SYNCROTECH
Equipamiento médico + Simulación

Catálogo de Productos **SYNCROTECH**

SYNCROTECH
Equipamiento médico + Simulación

Catálogo de productos

Gaumard
Simulators for Health Care Education
VER PRODUCTOS

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Gaumard®
Simulators for Health Care Education

Gaumard®
Simulators for Health Care Education



Simulators for Health Care Education

2024 Product Catalog

International Edition

About Us

Our mission

At Gaumard®, our mission is to empower healthcare with innovative training solutions, accelerating progress toward safer patient care and improved outcomes for all. We develop state-of-the-art patient simulators, task trainers, learning modules, and mixed reality solutions. These are designed to facilitate safe and effective training opportunities for healthcare students and professionals across nearly all clinical specialties.

A world leader in healthcare simulation

Gaumard designs, manufactures, and markets industry-leading simulation-based healthcare training solutions for hospitals, universities, emergency medical services, and military services worldwide. Gaumard products are sold in over 70 countries through a network of direct sales and authorized distributors.

Over 75 years of simulation experience

With over 75 years of healthcare simulation experience, Gaumard continues to deliver on its commitment to providing clients with innovative solutions, world-class service, and exceptional value.

Our History



1946



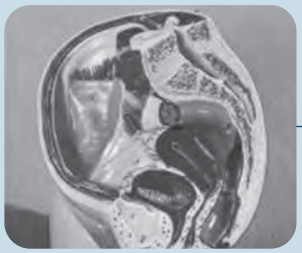
A synthetic human skeleton

1949



Transparent Obstetric Phantom

1955



Anatomic teaching models

1960



Rescue breathing and cardiac massage simulator

1970



Female nursing simulator with dilating pupils

1975



Family of GYN simulators

1990



ZOE® Gynecologic simulator

1995



Code Blue® III family of computer interactive simulators

2000



NOELLE® Maternal and neonatal childbirth simulator

2003



Premie Blue™ Newborn

2004



Beginning of "tetherless" simulation with HAL® S3000

2006



NOELLE® S575 Tetherless maternal and childbirth simulator

2007



Newborn HAL® Tetherless simulator

2008



PEDI® HAL® One-year-old

2010



SUSIE® S2000 Tetherless simulator for nursing and emergency care

2011



HAL® S3201 Advanced multipurpose patient simulator

2014



VICTORIA® S2200 Advanced labor & delivery patient simulator

2017



Super TORY® S2220 Advanced newborn patient simulator

2018



Pediatric HAL® S2225 and Gaumard Ultrasound™

2019



Obstetric MR™ Mixed reality training system

2023



HAL® S5301 Advanced interdisciplinary patient simulator

2024



SUSIE® S2400 Comprehensive Patient Care Simulator

Scan this QR Code to learn more about Gaumard's history on our website.

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Speak to a Sales Manager











HAL® S5301

Meet the world's most advanced interdisciplinary patient simulator

From emergency care to ICU and med-surg training, HAL is designed to fulfill educational objectives across clinical disciplines and blur the lines between simulation and real life. Lifelike motor movement, next-gen simulated physiology, UNI® 3, and many more industry-first capabilities launch the next leap in simulation.

Discover HAL S5301's features and specifications on **page 47.**

Scan this QR Code to view HAL S5301's features and specifications on our website.


RN




RN


RN




RN

SUSIE® S2400

Comprehensive Patient Care Simulator

SUSIE® S2400 is a powerful and versatile training solution specifically designed to streamline high-quality simulation across nursing, allied health, and medicine. Featuring advanced clinical features and the new UNI® 3 control software, SUSIE S2400 enables immersive procedural and cenariodriven exercises using a single platform. This helps simplify your workflow and broaden your program's reach.

Discover SUSIE S2400's features and specifications on **page 163.**

Scan this QR Code to view SUSIE S2400's features and specifications on our website.











VICTORIA® S2200

Maternal and Neonatal Birthing Simulator

Meet the most advanced labor & delivery simulation solution in the world. VICTORIA provides healthcare students and professionals with true-to-life clinical experiences to facilitate learning and help them develop the skills needed to provide safe and effective care for early pregnancy complications, high-risk deliveries, postpartum emergencies, and nongravid scenarios in general nursing care.

Discover VICTORIA S2200's features and specifications on **page 1.**

Scan this QR Code to view VICTORIA S2200's features and specifications on our website.












74
95
NO O2 SUPPLY

Pediatric HAL® S2225

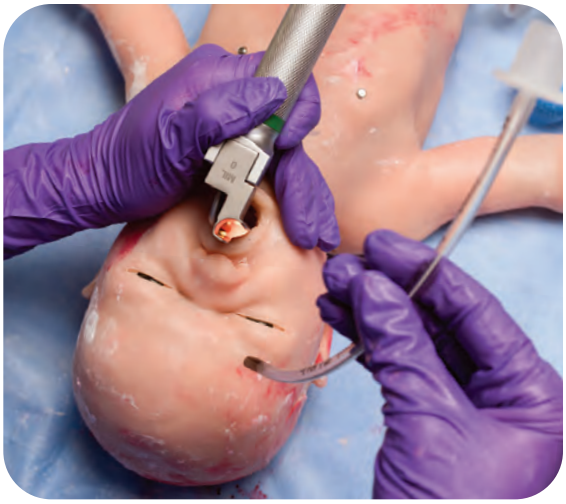
Advanced Pediatric Patient Simulator

Meet Pediatric HAL®, the world's most advanced pediatric patient simulator and the first capable of simulating lifelike emotions through dynamic facial expressions, movement, and speech.

Discover Pediatric HAL S2225's features and specifications on **page 87.**

Scan this QR Code to view Pediatric HAL S2225's features and specifications on our website.













Super TORY® S2220

Wireless and Tetherless Neonate Simulator

Super TORY® has advanced features such as active limb motion, true ventilator support, and real-time monitoring designed to simulate complex pathologies and respond to interventions with unparalleled realism. Super TORY can be used in various clinical settings, making it the go-to choice for healthcare simulation training. Experience the next level of simulation training with Super TORY®.

Discover Super TORY S2220's features and specifications on **page 113.**

Scan this QR Code to view Super TORY S2220's features and specifications on our website.











Premie HAL® S2209

30-Week Premature Infant Patient Simulator

Premie HAL® S2209 is the ultimate preterm patient simulator for training residents and healthcare professionals in preterm airway management, resuscitation, and intensive care. With lifelike physiologic and anatomic features and advanced capabilities, it provides unparalleled realism and practical experiences. Step into the forefront of healthcare simulation training with Premie HAL.

Discover Premie HAL S2209's features and specifications on **page 135.**

Scan this QR Code to view Premie HAL S2209's features and specifications on our website.



Scan to browse
Obstetric simulators

VICTORIA® S2200

Maternal and Neonatal Birthing Simulator

VICTORIA® delivers exceptional training through a truly immersive experience

From early pregnancy complications, high-risk deliveries, and postpartum emergencies to non-gravid scenarios, VICTORIA simulates a full range of obstetrical events to facilitate teamwork and deepen critical thinking skills in learners of all levels. More than a childbirth simulator, VICTORIA is a complete simulation solution developed from decades of obstetrical experience. It is a comprehensive package of tools and support designed to help improve patient safety in women's health through education and training.



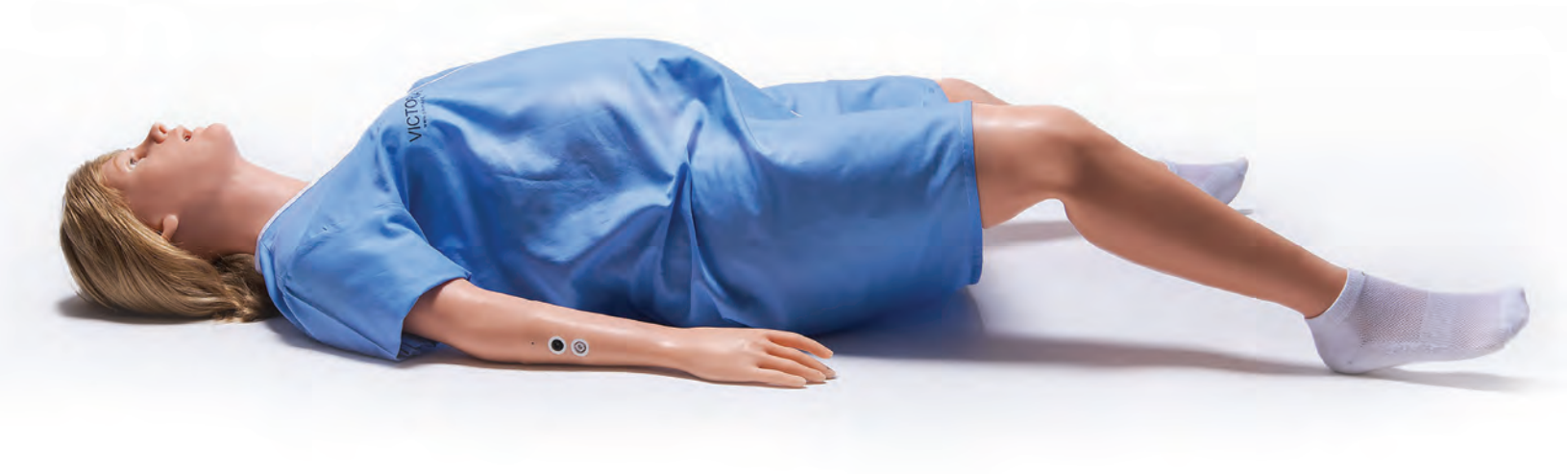




More than just realistic, VICTORIA is remarkably lifelike and anatomically accurate

VICTORIA redefines physical fidelity with accurate anatomical proportions that facilitate learning without compromising clinical technique. The smooth, full-body skin provides a look and feel designed to immerse learners in the simulation.

- Wireless and tetherless; up to 10hrs. of battery life
- New interactive eyes: automatic visual object tracking and lifelike eye movements
- Fully programmable airway, breathing, and physiological circulation parameters
- True-to-life shoulder dystocia, breech, and C-section deliveries
- Births lifelike, full-term baby featuring programmable vitals for APGAR scoring
- Integrated array of sensors track the participants' performance in real-time
- Automatic recognition of 50+ virtual medications
- Supports real monitoring equipment: EKG, capnography, defib., NIBP, TOCO, and pulse oximeters
- Includes Microsoft® Surface Pro tablet PC and Virtual Patient/CTG Monitor
- Includes new VICTORIA® Labor & Delivery Simulation Learning Experiences™ scenario package
- Video training library covering setup and operation
- Converts into a non-pregnant patient for general nursing and gynecology training



A breakthrough in patient-provider simulation training

VICTORIA's new interactive eyes are more than unique. They are game-changing. VICTORIA can track objects visually and present signs of stress, stroke, head trauma, drug use, and many other diseases and conditions.

Streaming audio lets you act as the voice of the patient and engage participants in realistic dialogue to rehearse patient-provider interactions much more effectively.

- Accommodation test: automatic horizontal tracking and manual vertical tracking
- Strabismus: exotropia and esotropia
- Nystagmus: eyeball twitching
- Blepharospasm: eyelid twitching
- Ptosis: eyelid droop
- Realistic idle eye movement
- Independent pupillary light reflex
- Mydriasis: blown pupil
- Anisocoria: unequal pupil sizes
- Consensual pupillary light reflex







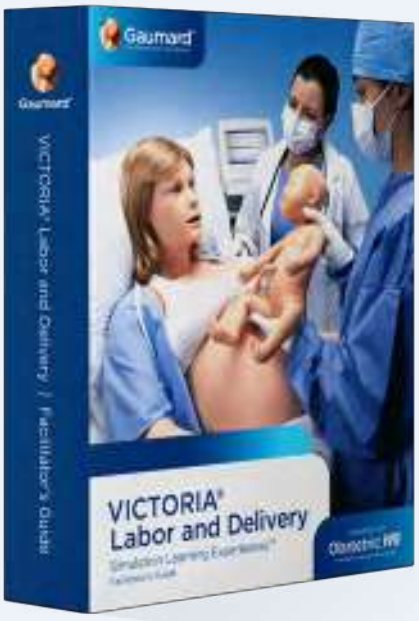




Transition into the real world using real tools and monitoring devices.

VICTORIA supports the widest range of real patient monitoring equipment of any childbirth simulator, allowing participants to train using the tools they will use in real situations.

- Fetal Monitor
- ECG Monitor
- Defibrillator
- Pulse Oximeter
- Capnograph
- NIBP Monitor



Includes Labor & Delivery Simulation Learning Experiences™ scenario package

The VICTORIA Labor & Delivery Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize the participants learning through outcome-focused simulated clinical patient encounters.

The package includes nine SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

- Amniotic Fluid Embolism
- Breech Vaginal Delivery
- Magnesium Toxicity
- Normal Vaginal Delivery
- Placental Abruption
- Postpartum Hemorrhage
- Preeclampsia
- Prolapsed Cord
- Shoulder Dystocia

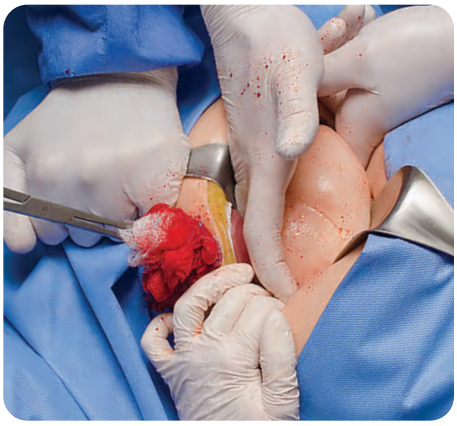
To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

The gold standard in OB emergency management and care education

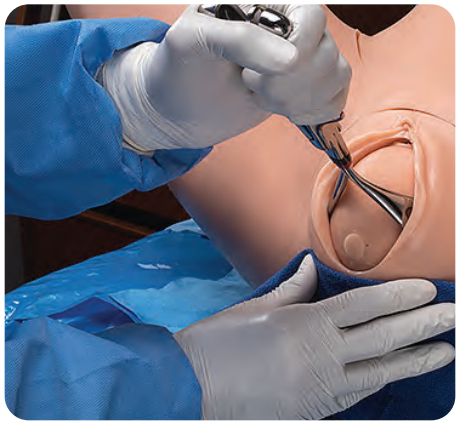
VICTORIA simulates shoulder dystocia, breech, and C-section deliveries with a level of fidelity that truly suspends disbelief. Participants can immerse themselves deeper and faster as they engage in problem-solving and collaborative teamwork. What's more, VICTORIA captures participants' performance through an array of hidden sensors to ensure no learning opportunities are missed during debriefing.

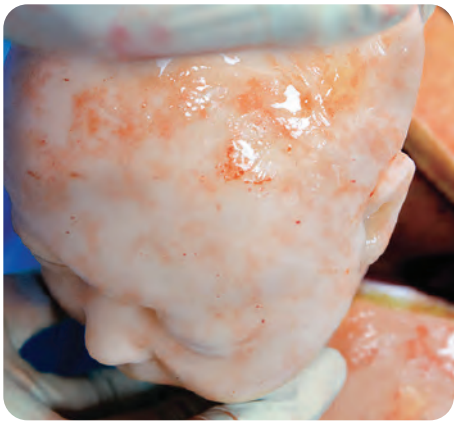












Shoulder dystocia

VICTORIA can present tell-tale signs of a shoulder dystocia complication, including the fetal head emerging and retracting (turtle sign), a decrease in the fetal heart rate as seen on the fetal monitor, and delayed external rotation.

- Realistic retraction of the fetal head against the perineum
- Turtle signs synchronize with contractions and the fetal heart rate shown on the fetal monitor
- Suprapubic pressure detection and logging

Breech deliveries

Simulate a realistic breech birth to prepare care providers for low-frequency, high-risk vaginal deliveries. The neonate's smooth skin and articulated limbs support the use of real instruments and advanced maneuvers.

- Simulate an obstruction at any point during labor with precise repeatability
- Practice obstetrical maneuvers including Rubin, Woods Screw, arm sweeps, Lovset, or Zavanelli
- Hip joint sensors detect and log maternal leg angles

C-section deliveries

Use real surgical instruments for cutting and suturing the abdominal and uterine walls. The replaceable abdominal insert is multi-layered to simulate real skin and bleeds when cut.

- Forceps indication, application, and traction
- Vacuum cup application, suctioning, and traction
- Advanced delivery management techniques: Pinard, Mauriceau, Ritgen, Lovset

Newborn assessment and transitional care

VICTORIA births a full-term baby of realistic size and weight, designed to provide participants with the most realistic visual and tactile experience possible. What's more, VICTORIA's newborn has measurable vitals, which allow participants to perform a health assessment and determine if additional care is needed.



- Lifelike full-term baby of realistic size and weight
- Smooth full-body skin with seamless joints
- Internal sensors record rotation of the fetal head and pull force in real-time
- Anatomical landmarks include palpable fontanelles and sutures



- Full-body endoskeleton provides postural support, range of motion, and resistance
- Articulated spine, shoulder, elbow, hip, and knee joints
- Multiple heart sound types and programmable heart rate
- Multiple respiratory sounds and programmable respiratory rates



- Crying with adjustable volume levels
- Programmable central cyanosis
- Visible head movement (active robotics)
- Programmable conditions for 1-minute APGAR assessment

Hands-on postpartum hemorrhage management

VICTORIA features programmable bleeding that may be reduced through fundal massage, medication, or even the insertion and inflation of a real balloon tamponade device.

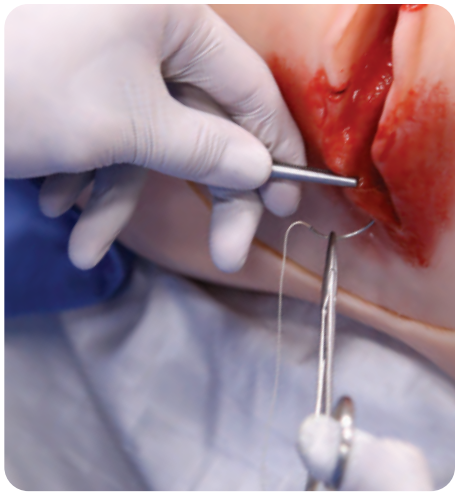
Postpartum hemorrhage

- Postpartum abdomen with hemorrhaging uterus and 1-liter reservoir facilitates the transition between delivery and postpartum simulations
- Lifelike palpable fundus with programmable uterine contraction and shrinking
- Programmable uterine hemorrhage flow control
- Tactile realism during fundal massaging

Episiotomy repair

- VICTORIA includes three replaceable episiotomy modules that allow for multiple surgical repairs using real surgical instruments.
- Midline episiotomy with periurethral tears
- Mediolateral episiotomy with tears to the labia minora
- Multi-layer fourth-degree episiotomy with hemorrhaging vaginal sidewall tears and cervical lacerations





Manage the full simulation experience from one intuitive interface

The UNI® 3 simulator control software puts all the best simulation tools at your fingertips. UNI 3 helps you run realistic scenarios with less effort, automate tasks to make operation easier, and capture more useful participant data for richer debriefing. Best of all, UNI 3 comes preinstalled in the powerful and lightweight Microsoft Surface Pro tablet PC, allowing you to work conveniently anywhere training takes place.



Features

General
- Tetherless and wireless; fully responsive during transport
- Wireless control at distances up to 300 ft.[1]
- Internal rechargeable battery provides up to 10 hrs. of tetherless operation[2]
- Smooth and supple full-body skin with seamless articulating joints
- Lifelike joint articulation: neck, shoulder, elbow, wrist, hip, knee, and ankle
- Internal high-capacity fluid reservoirs
- (9) Labor & Delivery Simulation Learning Experiences
- NOELLE® Fetus-Newborn wireless link capability
- Includes touchscreen tablet PC preloaded with UNI
- Includes touchscreen virtual patient monitor and CTG

Neurological
- Programmable blinking rate, pupil response, and bilateral and unilateral eye movement
- Interactive eyes can follow a moving object
- Seizures with selectable intensity levels
- Wireless streaming voice: be the voice of VICTORIA and listen to participants' responses via a wireless headset
- Record and playback vocal responses in any language

Airway
- Head tilt/chin lift/jaw thrust
- Oral or nasal intubation
- Difficult airway: laryngospasm, tongue edema, and pharyngeal swelling
- Airway intubation depth detection, logging, and reporting
- Esophageal intubation
- Selectable upper airway sounds are synchronized with breathing patterns
- Supports BVM and mechanical ventilation

Breathing
- Spontaneous breathing; selectable respiratory patterns and lung sounds
- Programmable respiratory rates and inspiratory/expiratory ratios
- Realistic chest rise during assisted ventilation
- Ventilation performance, real-time monitoring, reporting, and logging
- Right mainstem intubation detection with automatic unilateral chest rise
- Real CO_2 exhalation

Cardiac
- Real-time CPR feedback
- Effective compressions generate palpable pulses and ECG artifacts
- Select from an extensive library of preprogrammed heart rhythms with dysrhythmia options
- Real-time 4-lead electrocardiogram monitoring using real ECG devices
- Defibrillation, cardioversion, and pacing using real energy
- Realistic heart sounds
- Programmable heart rate synchronized with ECG and pulses
- Virtual 12-lead dynamic ECG rhythms

Circulation
- Bilateral palpable carotid, radial, and brachial pulses are synchronized with heart rate and blood pressure
- Monitor oxygen saturation using real oximeters
- Measure blood pressure using a real manual or automatic blood pressure cuff
- Bilateral venous access
- Drug recognition detects simulated medication type, dose, and rate injected into the lower right arm
- SubQ and intramuscular injection sites for placement exercises

Obstetrics
- Maternal-fetal physiologic link
- Supports Leopold Maneuvers and external cephalic version
- Supports fetal monitoring using real devices
- Precision Delivery System: computer-controlled fetal descent and cardinal movements
- Programmable normal, breech, shoulder dystocia, instrument-assisted, and C-section deliveries
- Software-activated self-lubricating birth canal
- Realistic placenta with detachable fragments and umbilical cord
- Epidural placement and needle detection; palpable anatomical landmarks and skin layers
- Intrapartum bleeding
- Force sensor reports traction and torsion applied to the fetus in real-time
- McRoberts maneuver, suprapubic pressure, Zavanelli, Woods Screw, and "hands and knees" position detection
- Births full-term neonate of realistic size and weight
- Active neonate: programmable heart and respiratory sounds, crying, cyanosis, and movement
- Replaceable episiotomy inserts support suturing
- Multi-layer fourth-degree episiotomy with hemorrhaging vaginal sidewall tears and cervical lacerations
- Programmable uterine firmness and hemorrhaging supports sutures and balloon tamponade
- Programmable hemorrhage flow control

Gastrointestinal
- Selectable bowel sounds
- Internal fluid bladder with urethra for Foley catheterization exercises
- Rectum with suppository placement sensor

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

VICTORIA® S2200

S2200.PK

Patented; other patents pending

- VICTORIA S2200
- Active birthing baby
- UNI 3 Tablet PC with rugged bump case
- UNI 3 Simulator Control Software with Lifetime License
- Gaumard Vitals Patient Monitor
- (9) Labor & Delivery Simulation Learning Experiences
- Integrated virtual drug recognition
- 20 Programmable drug recognition syringes
- Streaming voice headset
- RF communications module
- Bluetooth communications module
- USB wireless router
- Mother and baby battery chargers
- User guide
- Palpation abdominal cover
- Contraction abdominal cover
- C-section abdominal cover
- Postpartum abdominal cover
- C-section baby
- Accessories
- One-Year Limited Warranty
- Extended warranty plans available



Super TORY® S2220

S2220.PK

Super TORY - Wireless and Tetherless Neonatal Patient Simulator package. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.



Deep Vein Thrombosis Leg

S2200.101L

Replaceable DVT left leg including edema, erythema, and palpable cord-like venous segments on the anterior and lateral leg. Includes a preprogrammed drug library of anticoagulation regimens. Supports compression stocking. Skin tones available at no extra charge.



Care in Motion™ Mobile

CIM.PK

Mobile Video-Assisted Debriefing system. Package includes: Care In Motion Tablet PC. 3 Battery-powered HD wireless cameras. 3 Adjustable camera grips. Transport case. One-Year Limited Warranty. Extended service plans available. Patented; other patents pending.

Nursing and Gynecologic Pack

S2200.234

- Convert VICTORIA to a non-gravid patient for med-surg and GYN scenarios.
- "Head-to-toe" clinical assessments
- Inspection of the vulva and vagina
- Vaginal speculum examination permitting visual recognition of normal and abnormal cervices
- Bimanual pelvic examination allows palpation of the uterus and IUD insertion and removal
- Tubal occlusion, minilaparotomy, laparoscopy
- Uterine manipulation
- Suppository placement
- Auscultation of bowel sounds

Package contents

- Abdominal cover simulating non-pregnant patient
- 10 general and high-risk patient scenarios
- Scenario-based Training Guide
- Anteverted uterus
- Retroverted uterus
- Transparent anteverted uterus for IUD placement
- 5 normal cervices with patent os
- 6 non-patent cervices, including 1 normal parous and 5 abnormal cervices
- Removable perineum with integral urethra, vagina, and rectum
- Interchangeable normal tubal fimbriae and ovaries for the anteverted and retroverted uteri
- Simulated round and ovarian ligaments

Modified PHILIPS® defibrillation cables

30080373D

Modified LIFEPAK® defibrillation cables

30080375D

Modified ZOLL® defibrillation cables

30080374D

CO_2 Exhalation regulator

S2200.078

Real and measurable $EtCO_2$.
10 programmable levels of CO_2 output.



Obstetric MR™

Mixed Reality Training System for VICTORIA® S2200

Scan to browse
Obstetric simulators



Introducing Obstetric MR™ The future of labor and delivery simulation is here

Obstetric MR™ is a next-generation mixed reality training solution for VICTORIA® S2200 designed to help learners bridge the gap between theory and practice faster than ever before. Using the latest technology in holographic visualization, Obstetric MR brings digital learning content into the physical simulation exercise, allowing participants to link knowledge and skill through an entirely new hands-on training experience. The future of labor and delivery simulation is here.

Bridging the gap between theory and practice

By synchronizing holograms with the physical world, Obstetric MR allows learners to see inside VICTORIA and observe the dynamic physiology underlying difficult deliveries to promote deeper learning. Wireless connectivity supports up to six participants, each observing their unique vantage point.





Seamless and powerful scenario integration

Obstetric MR adds a new layer of learning to normal vaginal birth, shoulder dystocia, and breech scenarios. It integrates seamlessly with VICTORIA's new Simulation Learning Experiences childbirth scenarios as well as your custom scenarios and on-the-fly operation.

Observe clinical intervention in real time

Obstetric MR, VICTORIA's internal network of sensors, and the powerful UNI® 3 control software work together to provide learners with real-time visual feedback. Learners can study the rotation of the pelvis and the fetal shoulder during McRoberts and suprapubic pressure maneuvers as they perform them. It is an entirely new way to observe and understand clinical cause and effect through hands-on practice.



The control you need in one place

Run a scenario, change the Obstetric MR learning mode for all participants, send private messages, and much more right from the UNI 3 software. Obstetric MR controls are integrated into UNI 3, making operation intuitive and simple.

The anatomy lab reimagined in mixed reality

Obstetric MR features four holographic childbirth demonstrations: normal vaginal delivery, shoulder dystocia, breech, and nuchal cord. Each experience features key learning points learners can study at their own pace. Unlike video and static physical models, holograms can be viewed from any angle, scaled to a life-size, or scaled down on a desk.

Enhanced debriefing tools. More opportunities for learning

Record the learner's point-of-view for playback and debriefing, stream the live feed onto a large screen for the rest of the class to see, or record an educator's demonstration for remote learning. HoloLens 2 features built-in HD cameras that allow you to leverage audio/video recording in multiple ways to maximize training.

Meet your patient for today's exercise

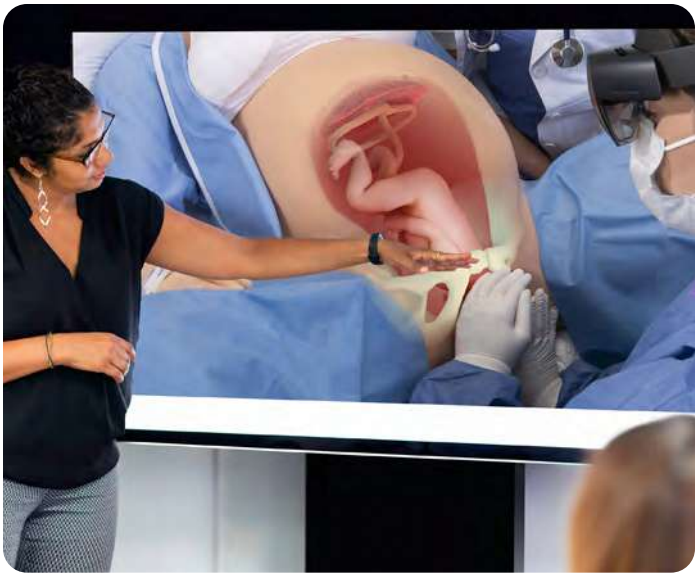
Obstetric MR's Tour Mode is designed to help learners and staff familiarize themselves with VICTORIA's anatomical and physiological features before the start of a scenario. Tour Mode is simple to use and can be set up anywhere.

Upgrade your VICTORIA® S2200 with Obstetric MR, today

Obstetric MR was developed from the ground up for HoloLens 2 and works with all VICTORIA models.







Obstetric MR™

30011690A

Package includes HoloLens 2 Mixed Reality Headset, Obstetric MR™ application, and participant license





Scan to browse
Obstetric simulators

NOELLE® S575.100

Advanced Maternal and Neonatal Birthing Simulator

NOELLE®—the most trusted high-fidelity childbirth simulator in the world

At the click of a button, NOELLE can simulate antepartum complications, routine and high-risk deliveries, and postpartum emergencies essential in competency-based training and team-building exercises. Learn why educators worldwide recognize NOELLE as an integral part of their simulation-based training program — whether in a sim lab, in-situ, or mobile unit.





Includes Labor & Delivery Simulation Learning Experiences™ scenario package

The NOELLE Labor & Delivery Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes nine SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Amniotic Fluid Embolism
- Breech Vaginal Delivery
- Magnesium Toxicity
- Normal Vaginal Delivery
- Placental Abruption
- Postpartum Hemorrhage
- Preeclampsia
- Prolapsed Cord
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Realistic fetal palpation

Realistic amniotic sac inside palpation abdominal cover creates a natural and realistic feel when practicing palpation exercises.



Automated precision delivery system

With the click of a button, NOELLE's automatic delivery system moves the fetus throughout the labor stages for repeatable, lifelike births. Built-in sensors track participant interaction and give you real-time performance feedback.



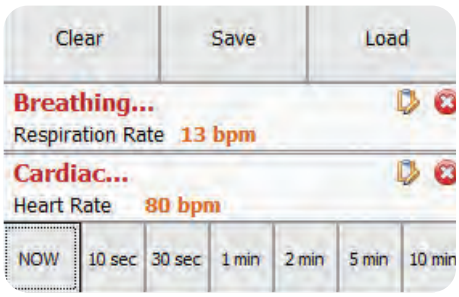
Dystocia management

Simulate an obstructed labor, including a lifelike shoulder dystocia complication. Practice management techniques and maneuvers such as McRoberts, Woods Screw, "hands and knees," and much more.



Placenta

Simulate cord and placenta complications and distress. Placenta features detachable fragments.



Scenario library

Includes a library of preprogrammed scenarios and a facilitator's guidebook.



Postpartum activity

Perform fundal massage, practice episiotomy repair, and insert and inflate a Bakri balloon.



Wireless and tetherless

NOELLE functions fully while tetherless, allowing you to transport her like a real patient easily.



Patient assessment

Programmable lifelike blinking, pupil reaction, convulsions, chest rise, and much more.



Precision repeatability

Simulate repeatable deliveries for competency-based training. Track skill improvement in critical situations.



Real-time feedback

Monitor and log pull force applied to fetus, contractions, and vital signs. Signals alert when excessive force is used.



Use real devices

Use real equipment such as an O_2sat monitor, BP cuff, defibrillators, or external cardiac pacemakers.



Vertex delivery

The motor automatically controls descent and rotation.



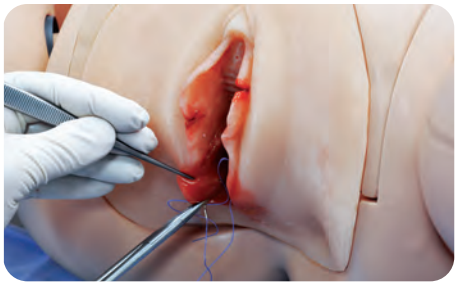
Epidural procedures

Palable anatomical landmarks and needle placement detection.



Pelvic landmarks

Anatomic landmarks include bilateral ischial spines, coccyx, and pubic symphysis.



Episiotomy repair

Inserts simulate human tissue for practicing suture skills.

NOELLE delivery neonates

NOELLE includes two delivery neonates designed to simulate lifelike cephalic and breech deliveries. Participants can palpate suture lines and fontanelles. Manipulate the jointed arms and legs while managing any potential umbilical cord or placenta complication.



Cephalic delivery baby

The cephalic delivery baby has audible heart sounds before, during, and after delivery. Monitoring technology reports pull-force applied by the participant in real-time.

Breech delivery baby

Prepare your participants for low-frequency deliveries. Simulate multiple breech positions to train for C-section and vaginal delivery management techniques.



Shoulder dystocia

Lifelike shoulder dystocia presents fetal head retraction "turtle signs."



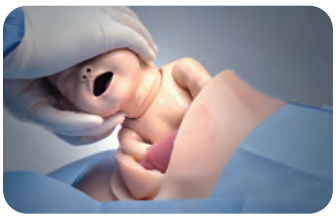
Assisted delivery

Practice assisted vacuum extraction and forceps deliveries.



Breech delivery

Practice vaginal breech deliveries and free the legs using Pinard maneuver.



C-section delivery

Multi-layer abdominal wall features subcutaneous tissue, fascia, muscle, and peritoneum.

Advanced neonatal resuscitation training solutions

Expand your labor and delivery simulation training to include essential neonatal resuscitation scenarios. Gaumard's wireless neonates allow participants to master critical neonatal care skills that can help save lives. Select a wireless NOELLE and Neonate bundle package and save.



NOELLE® with Newborn TORY® package

S575.100.PK

Newborn TORY S2210 is a realistic, full-term, wireless and tetherless newborn patient simulator designed for practicing assessment, stabilization, resuscitation, transport, and hand-off protocols.



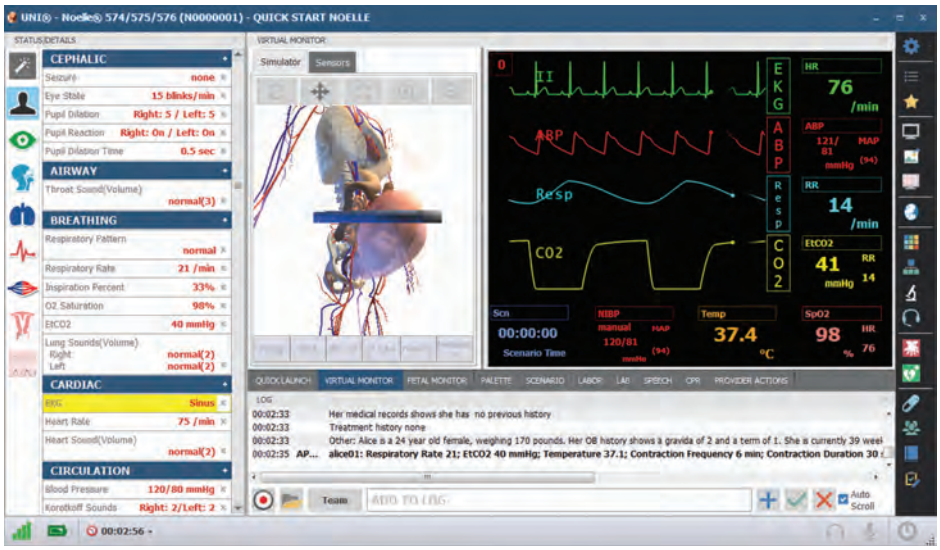
NOELLE® with Premie HAL® package

S576.100.PK

Premie HAL S2209 is a lifelike, wireless and tetherless, 30-week premature patient simulator designed for participants of all levels to rehearse preterm airway management, resuscitation, stabilization, transport, and intensive care.

Powerful yet intuitive

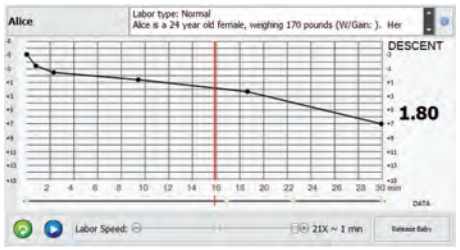
Our intuitive and powerful software offers ease of use and the flexibility required by the most demanding users. Basic view provides windows for the 3D model of the simulator, completely configurable vital signs monitor, activities log, perinatal monitor, and labor curve.





Real-time CPR feedback

Monitor CPR quality metrics in real-time, including rate and compression depth, no-flow time, and excessive ventilation.



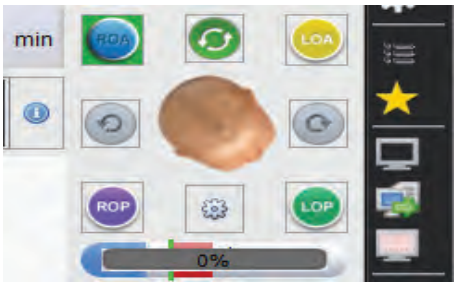
Labor control and descent curve

Program labor variables such as labor duration, delivery position, contraction response, and much more.



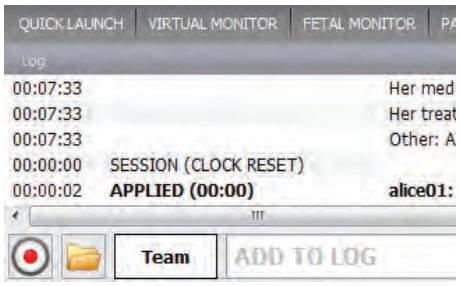
Perinatal monitor

Easy instructor access to the dynamic perinatal monitor right from the tablet PC.



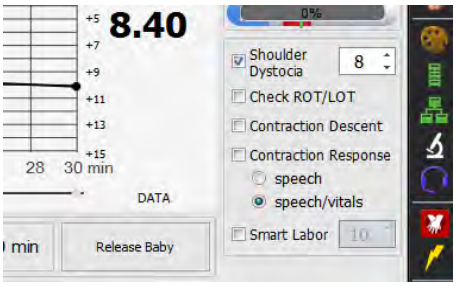
Cardinal movements

Precise control over both fetal translation and rotation.



Events log

Changes in condition and care provided are time-stamped and logged.



Shoulder dystocia

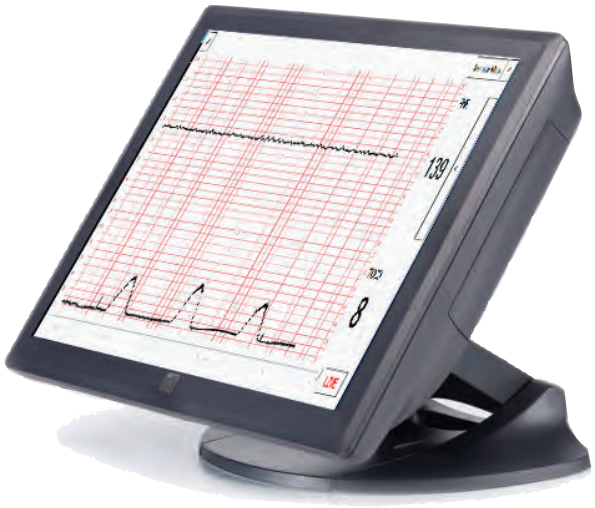
Simulate a shoulder dystocia complication at the click of a button.

Scan to browse Obstetric simulators



Includes interactive patient and fetal monitor

The Gaumard Vitals™ maternal and fetal monitor displays real-time vital signs information. With onscreen file sharing capability, participants have access to simulated lab reports and medical images that enhance realism during simulation. Train participants to interpret vital signs information in order to identify and manage critical situations.



Gaumard Vitals™ Virtual patient monitor

- Touchscreen patient monitor all-in-one PC.
- Display up to 12 parameters including HR, ABP, CVP, PAWP, NIRP, CCO, SpO_2, SvO_2, RR, $EtCO_2$ temperature, and time
- Customize each trace independently; users can set alarms and timescales
- Share images such as x-rays, CT scans, ultrasounds, lab results, and even multimedia presentations as the scenario progresses
- Interactive perinatal monitor with programmable fetal heart rate, variability, accelerations, decelerations, uterine contractions, frequency, and intensity
- Trace history w/ print out capability

Interactive perinatal monitor

The perinatal monitor lets the participants track:

» Baseline fetal heart rate
» Fetal heart rate variability
» Accelerations
» Decelerations
» EFM and FSE heart tones
» Uterine contractions, frequency, and intensity
» Trace history w/ print out capability
» All fetal vital signs are fully programmable

Features

NOELLE features
- Weight 70 lbs. / 32kg, height 69 in / 175 cm
- Realistic neck, shoulder, elbow, hip, knee, and ankle articulation
- Supports birthing on stirrups, foot paddles, and Gaskin position
- Wireless and tetherless
- Internal rechargeable battery provides up to 3 hrs. of tetherless operation
- Pneumatic and fluid reservoirs are housed inside the body
- NOELLE Fetus-Newborn wireless link capability

Labor and Delivery
- Automatic and fully programmable birthing mechanism simulates descent and cardinal movements
- Precise labor scenario repeatability for competency-based training and assessment
- 9 Labor and Delivery SLEs
- Facilitator's Guidebook
- Delivery warp factor: simulate lengthy labor scenarios as fast as two minutes
- Easily create and share your own scenarios
- Change maternal, fetal, or delivery conditions on-the-fly
- ROA, LOA, LOP, or ROP positions simulate OA or OP deliveries
- Palpation abdominal cover features fetus in an amniotic sac for realistic Leopold and version exercises
- Practice epidural procedures on a spinal cord insert with skin layer, subcutaneous layer, connective tissue, and lumbar vertebrae
- Epidural placement detection
- Monitor traction applied to the fetal head and body
- Anatomic landmarks include bilateral ischial spines, coccyx, and pubic bone
- Realistic birth canal with dilating cervix
- Fetus rotates, dips, and rises during delivery
- Palpable contractions
- Programmable intrapartum bleeding
- Simulate placenta previa, retained placenta, and retrained fragments complications
- Simulate cord complications including nuchal cord, cord prolapse, true knots
- Replaceable cord supports clamping and cutting
- Shoulder dystocia: realistic retraction of the fetal head against the perineum
- Turtle signs are synchronized with contractions and fetal heart rate shown on the fetal monitor
- Strong hip joints allow for McRoberts maneuvers
- Programmable dystocia so that each student receives exactly the same scenario
- Supports Woods Screw, arm sweeps, Lovset, and more
- Breech delivery: articulating hip and knee joints allow realistic frank, complete, and footling breech delivery simulations
- Supports forceps and vacuum-assisted delivery using real instruments
- C-section deliveries: supports abdominal incision using real surgical instruments.
- Abdominal skin features subcutaneous, fascia, rectus muscle, and peritoneum
- Palpable fundus with programmable uterine contractions
- Internal 900mL hemorrhage reservoir
- Uterine bleeding: manage uterine hemorrhage using medications or a balloon tamponade
- Episiotomy repair inserts simulate human tissue that can be sutured closed repeatedly
- Vertex and breech fetus included
- Head features fontanelles and sutures
- Head flexes as it moves through the birth canal

Neurological
- Programmable blinking, dilation, and eye response to light
- Programmable duration and intensity of seizures
- Prerecorded responses
- Create and store vocal responses in any language
- Wireless streaming voice

Airway
- Program tongue edema and pharyngeal swelling
- Multiple upper airway sounds synchronized with breathing
- Nasal or oral intubation
- Sensors detect depth of intubation
- Supports bag-valve-mask ventilation
- Supports conventional airway adjuncts
- Endotracheal intubation using conventional ETTs

Breathing
- Automatic chest rise is synchronized with respiratory patterns
- Independent left or right lung sounds synchronized with breathing
- Ventilations are measured and logged
- Simulated spontaneous breathing
- Variable respiratory rates and inspiratory/expiratory ratios
- Automatic, spontaneous chest rise
- Normal and abnormal breath sounds
- Anterior auscultation sites

Circulation
- Real-time CPR feedback – Monitor rate and compression depth, no-flow time, ventilation rate, and excessive ventilation
- Normal and abnormal heart sounds
- Heart sounds synchronized with ECG
- ECGs are generated in real-time with physiologic variation
- Measure blood pressure by palpation or auscultation using real instruments
- Oxygen saturation detected using real monitors
- Pulse sites synchronized with BP and heart rate
- IV access
- Optional virtual drug recognition system
- ECG monitoring using real devices
- Defibrillate, cardiovert, and pace using real devices and live energy
- Bilateral carotid, radial, and brachial pulses synchronized with ECG
- Pulses vary with blood pressure and are continuous and synchronized with the ECG even during a paced rhythm

Gaumard Vitals Monitor
- Touchscreen all-in-one PC
- Display up to 12 parameters
- Customize each trace independently; users can set alarms and timescales
- Realistic uterine contraction and FHR waveforms
- EFM and FSE heart tones
- Trace history w/ print out capability
- Customizable layout

NOELLE® Package Contents
- NOELLE Tetherless Patient Simulator
- Simulator Control PC preloaded with UNI® (Microsoft® Surface Pro Tablet PC)
- Labor and Delivery Simulation Learning Experiences™ scenario package
- Virtual Patient Monitor PC preloaded with Gaumard Vitals™ Software
- Accessories
- RF Communications Module
- Bluetooth communications module
- Battery charger
- Soft carrying case
- User Guide
- One-Year Limited Warranty

Newborn TORY® S2210 features

- Age: 40-week term newborn
- Weight 6 lbs. / 2.7kg
- Length 21.75 in / 55.25 cm
- Smooth and supple full-body skin
- Realistic joint articulation
- Wireless and tetherless
- Internal rechargeable battery provides up to 4 hrs. of tetherless operation
- Programmable bilateral or unilateral arm movement: reduced and limp

Airway

- Head tilt, chin lift, jaw thrust
- Neck hyperextension detection
- Intubation depth detection and logging
- Intubatable airway
- Crying/grunting sounds

Breathing

- Automatic, spontaneous breathing
- Programmable respiratory rates, patterns, and I:E ratios
- Visible chest rise with PPV
- Unilateral chest rise with mainstem intubation
- Ventilations are measured and logged
- Normal and abnormal lung sounds
- Real CO_2 exhalation (option: S2210.078)

Circulatory

- Comprehensive ECG rhythm library
- ECG monitoring using real devices
- Real-time CPR feedback
- Effective chest compressions generate palpable pulses and ECG activity
- Healthy and abnormal heart sounds
- Virtual pacing and defibrillation
- Visible central cyanosis with programmable intensity
- Fontanelle, brachial, and umbilical pulses
- Measure BP using real BP cuff
- Audible Korotkoff sounds
- Virtual pre- and post-ductal SPO_2
- Supports IV cannulation: hand, umbilical catheterization (UVC/UAC), lower left leg
- IO access and infusion at right tibia

Other

- Interchangeable female and male genitalia
- Urinary catheterization
- Selectable bowel sounds
- Post-cord detachment navel
- Seizures/Convulsions
- Temperature sensor detection

Premie HAL® S2209 features

- Gestational age: 30-week preterm neonate
- Weight: 2.9 lb. (1.32 kg)
- Length: 15.71 inches (39.9 cm)
- Smooth and supple full-body skin
- Tetherless and wireless; fully responsive during transport
- Internal rechargeable battery

Airway

- Lifelike and anatomically accurate oral cavity and airway
- Supports NG and OG tube placement
- Intubatable airway
- Upper airway sounds

Breathing

- Automatic, spontaneous breathing
- Programmable respiratory rates, patterns, and I:E ratios
- Normal and abnormal lung sounds
- Compliant lungs
- Visible chest rise with PPV
- Real-time PPV feedback via UNI® control interface
- Programmable unilateral chest rise simulates pneumothorax

Circulation

- Central cyanosis with variable discoloration
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring using real devices
- Normal and abnormal heart sounds with adjustable rates
- Real-time CPR feedback
- Spontaneous pulses: fontanelle, brachial, umbilicus, femoral
- Pulse strength is blood pressure-dependent
- Supports IV cannulation: hand, umbilical catheterization (UVC/UAC), dorsum of foot
- Intraosseous access at right tibia
- Supports continuous infusion
- Temperature sensor placement detection

Newborn TORY® S2210 Package Contents

- Newborn TORY
- Microsoft® Surface Tablet PC
- UNI® Control software license
- Neonatal SLE™ scenario package
- Battery charger/power supply
- Accessories
- User guide
- Carrying case
- One-Year Limited Warranty

Premie HAL® S2209 Package Contents

- Premie HAL S2209
- Microsoft® Surface Tablet PC
- UNI® Control software license
- Premie SLE™ scenario package
- Battery charger and power supply
- Accessories
- User guide
- Carrying case
- One-Year Limited Warranty

NOELLE® with Newborn TORY® Package

S575.100.PK

NOELLE patient simulator package, Newborn TORY S2210 patient simulator package, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

NOELLE® with Premie HAL® S2209 Package

S576.100.PK

NOELLE patient simulator package, Premie HAL S2209 patient simulator package, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

NOELLE®

S574.100.PK

NOELLE patient simulator package and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending



Care in Motion™ Mobile

CIM.PK

Mobile Video-Assisted Debriefing system. Package includes: Care in Motion Tablet PC. 3 Battery-powered HD wireless cameras. 3 Adjustable camera grips. Transport case. One-Year Limited Warranty. Extended service plans available. Patented; other patents pending.

Scan to browse Obstetric simulators



Scan to browse
Obstetric simulators

NOELLE® S554.100

Childbirth and Neonatal Resuscitation Patient Simulator

A comprehensive obstetric care and neonatal resuscitation simulation solution

The NOELLE® with Newborn Package is a value-packed, turnkey solution designed to help students and staff develop the skills to manage antepartum complications, routine and high-risk deliveries, and postpartum emergency scenarios, as well as neonatal resuscitation and stabilization.





Shoulder dystocia

Lifelike shoulder dystocia presents fetal head retraction; “turtle signs.”



Breech delivery

Practice vaginal breech deliveries and free the legs using Pinard maneuver.



Assisted delivery

Practice assisted deliveries with vacuum extraction or forceps.



Resuscitation neonate

Full-term intubatable newborn with pulses and cyanosis.



Gaumard Vitals™ patient monitor

Communicates wirelessly with the laptop. Displays up to 8 values including HR, ABP, RR, CO_2, SpO_2, temperature, NIBP, and time.



NOELLE and newborn real-time CPR feedback

Monitor and assess CPR quality in real-time. Export CPR training reports to complement CPR certification or to determine if additional training is required.



Includes Labor & Delivery Simulation Learning Experiences™ scenario package

The NOELLE Labor & Delivery Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes nine SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

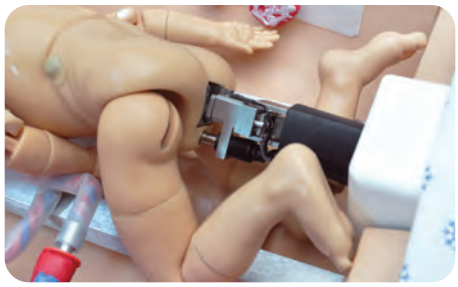
- Amniotic Fluid Embolism
- Breech Vaginal Delivery
- Magnesium Toxicity
- Normal Vaginal Delivery
- Placental Abruption
- Postpartum Hemorrhage
- Preeclampsia
- Prolapsed Cord
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



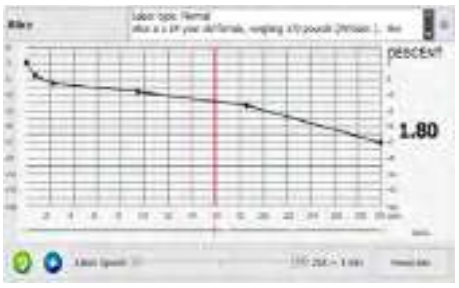
Virtual perinatal monitor

Easy instructor access to the dynamic perinatal monitor right from the tablet PC.



Precise scenario repeatability

Simulate repeatable deliveries for competency-based training and track skill improvement in critical situations.



Customizable labor

Control labor variables such as labor duration, delivery position, contraction response, and much more.



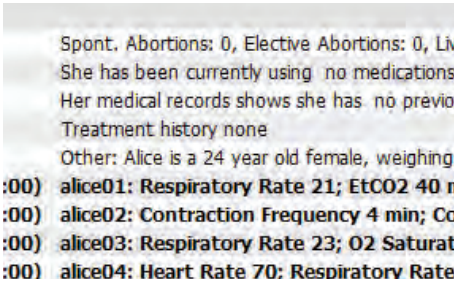
Placenta

Simulate cord and placenta complications and distress. Placenta features detachable fragments.



Postpartum activity

Program PPH, perform a fundal massage, practice episiotomy repair, and insert and inflate a balloon tamponade device.



Real-time feedback

Changes in condition and care provided are time-stamped and logged.

Features

NOELLE® features

- Full-size NOELLE maternal and neonatal birthing simulator with eclampsia and hemorrhage capabilities
- Small footprint and mobile platform allows training on L&D and postpartum units
- Build team and technical competencies
- Preprogrammed speech
- Real-time CPR feedback
- Includes maternal vital signs, fetal heart tones, and TOCO virtual monitor
- Fetal heart tones and neonatal vital signs monitor
- Simulation Learning Experiences™ scenario package
- Facilitator's Guidebook
- Set up and run OB simulations for normal labor and birth, variations on normal, shoulder dystocia, breech presentation, preeclampsia, cord prolapse, uterine rupture, peripartum hemorrhage, anaphylactoid syndrome of pregnancy, and preterm labor and birth
- Intubatable airway with chest rise
- IV arms for meds/fluids
- Removable stomach cover
- Programmable eclampsia w/seizures
- Precision delivery system
- Force and fetal shoulder position measured and graphed in real-time
- Programmable postpartum hemorrhage
- Birthing fetus with placentas and umbilical cords
- Bilateral radial pulses
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

Resuscitation neonate

- Full-term intubatable newborn with cyanosis and pulses
- Chest compressions/ventilations are measured and logged
- Realistic heart and lung sounds
- Realistic crying

UNI® laptop

- Preloaded with UNI simulator control software
- Use preprogrammed scenarios or run "on-the-fly"
- Create your own scenarios - add/edit
- Real-time CPR feedback
- Changes in condition and care provided are time-stamped and logged
- Generate and share diagnostic lab results
- File sharing through vital signs monitor

Gaumard Vitals™ virtual patient monitor

- Touchscreen All-in-One PC preloaded with Gaumard Vitals
- Display up to 8 vital parameters including HR, ABP, RR, CO_2, SpO_2, temperature, NIBP, and time
- Select up to 5 dynamic waveforms including ECG II, ABP, respiration, CO_2, and pulse oximetry
- Monitors maternal and neonatal vital signs
- Perinatal monitor with programmable uterine activity and fetal heart rate

NOELLE® S554.100

S554.100.PK

NOELLE S554.100 patient simulator, UNI laptop, Simulator Control Software with Lifetime License, wired communications module, Bluetooth communications module, resuscitation neonate, Gaumard Vitals patient monitor, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.



Care in Motion™ Mobile

CIM.PK

Mobile Video-Assisted Debriefing system. Package includes: Care in Motion Tablet PC. 3 Battery-powered HD wireless cameras. 3 Adjustable camera grips. Transport case. One-Year Limited Warranty. Extended service plans available. Patented; other patents pending.

Scan to browse Obstetric simulators

Scan to browse
Obstetric simulators



NOELLE® S550.100.250

Childbirth and Neonatal Resuscitation Patient Simulator

Improving maternal safety through simulation-based training

NOELLE® offers you an effective training solution for preparing students and professionals for the routine and emergency labor and delivery scenarios seen in the real world. By facilitating the rehearsal of true-to-life scenarios in a safe environment, NOELLE allows participants to improve assessment, management, and teamwork skills.

Complete, ready-to-use, and an exceptional value

The NOELLE S550.250 training package is designed to make setup, implementation, and operation simple and easy. It includes everything you need to train, such as the NOELLE automatic birthing simulator, a resuscitation neonate, two OMNI® 2 control tablets, a virtual patient monitor, and a training guidebook.





OMNI® 2 wireless tablet

Touchscreen controls, feedback, and debriefing.



Automatic delivery

Repeatable birthing scenarios with 1-touch operation.



Gaumard Vitals™ monitor

Assessment, management, and documentation.



Neonatal resuscitation

Evaluate CPR quality in real-time.

Immersive childbirth simulation

NOELLE® allows multidisciplinary teams to rehearse low-frequency, high-risk vaginal deliveries to improve technical skills, communication, and confidence.

Automatic delivery

NOELLE's automatic delivery system makes it easy to run realistic and repeatable delivery scenarios to support competency-based training. With OMNI 2, you can play, pause, and reset the delivery with just one touch.

- Automatic retraction of the fetal head during shoulder dystocia
- Obstetrical maneuvers: Suprapubic pressure, McRoberts, Zavanelli, and more
- Automatically simulates fetal distress visible on a fetal monitor





Includes Labor & Delivery Simulation Learning Experiences™ scenario package

The NOELLE Labor & Delivery Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants' learning through outcome-focused simulated clinical patient encounters. The package includes nine SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

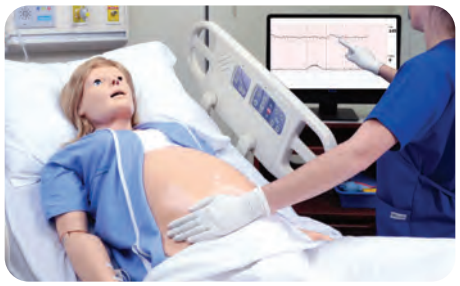
- Amniotic Fluid Embolism
- Breech Vaginal Delivery
- Magnesium Toxicity
- Normal Vaginal Delivery
- Placental Abruption
- Postpartum Hemorrhage
- Preeclampsia
- Prolapsed Cord
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Delivery mechanism

Repeatable fetal presentation and rotation.



Fetal monitoring

Virtual CTG (TOCO) with dynamic FHR/UA tracing.



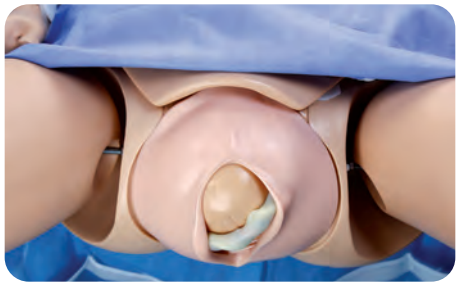
Placenta and cord

Simulate placenta previa or retained fragments.



Instrument assisted

Supports real vacuum devices and forceps.



Cord management

Resolve nuchal cord, cord prolapse, and true knots.



Breech delivery

Simulate frank, complete, footling breech, and more.

Neonatal resuscitation training with PEDI® Blue S320.100.250

NOELLE includes a standalone full-term neonate designed to help providers train airway management and resuscitation skills effectively.

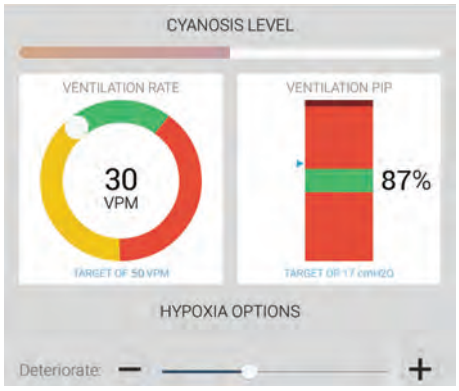
- Oral or nasal intubation
- Realistic chest rise with BVM ventilation
- Real-time CPR monitoring
- Effective ventilation returns visible cyanosis to healthy skin color
- Umbilical arterial/venous access and palpable pulse
- Available with IV sites for meds administration





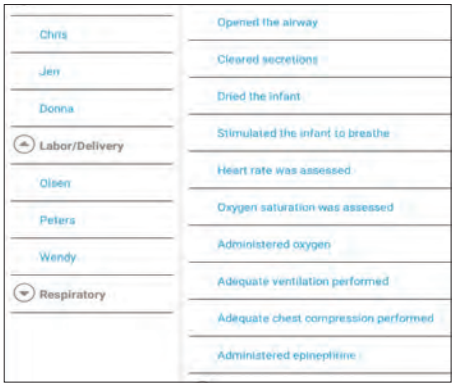
Airway management

Supports nasal/oral intubation and fluid suctioning.



Respiratory distress model

Simulate respiratory distress and automate physiologic responses.



Algorithm checklist

Track algorithm objectives for effective debriefing.

Postpartum emergencies

Use a hands-on approach when training how to identify and manage PPH.

- Fundal massage prep and technique
- Adjustable uterine muscle tone
- Blood loss estimation: Refillable 1000 mL blood reservoir.
- Intrauterine balloon placement





Intrauterine balloon

Supports placement of intrauterine balloon.



External blood reservoir

Easy refilling and post-exercise cleaning.



Episiotomy repair

Train episiotomy repair using real instruments.



OMNI® 2 wireless control interface included

The OMNI 2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing



Interactive Gaumard Vitals™ patient and fetal monitor

The Gaumard Vitals maternal and fetal monitor displays vital signs information in real-time. Train participants to interpret vital signs to identify and manage critical situations.

Features

NOELLE® S550.100.250

- Full-body NOELLE patient simulator
- OMNI 2 tablet
- Wireless OMNI 2 connectivity
- Nasal/oral endotracheal intubation with real medical devices
- Visible chest rise with bag valve mask ventilation
- Supports multiple birthing positions
- Realistic birth canal featuring dilating cervix and palpable pelvic landmarks
- Automatic birthing system: cardinal movements, vertex, breech, dystocia, and instrument-assisted
- Articulating birthing baby with palpable sutures and fontanelle
- Real-time CPR feedback - Ventilation and chest compressions are measured and logged
- IV training arm for bolus/ infusion training
- Carotid, brachial, and radial pulse (squeeze bulb)
- Leopold maneuvers
- Programmable fetal heart rate
- Placenta with removable fragments and umbilical cord
- Postpartum uterus with patent cervix and adjustable uterine tone (squeeze bulb)
- Postpartum hemorrhage with 1-liter reservoir
- Two vulvae for postpartum suture trainers
- Labor and Delivery Simulation Learning Experience™ Facilitator's Guide
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

PEDI® Blue Newborn

- Full-term neonate with articulated joints
- Wireless OMNI 2 connectivity
- OMNI 2 tablet
- Nasal/oral intubation
- Nasogastric tube placement
- Programmable central and peripheral cyanosis
- Real-time CPR feedback - Ventilation and chest compressions are measured and logged
- Visible chest rise with bag valve mask ventilation
- IV training arm, intraosseous infusion, palpable pulses (squeeze bulb)
- Catheterizable umbilical cord with palpable pulse

OMNI® 2 controller

- Program over 35 vital sign parameters including HR, ECG, RR, BP, O_2sat, $EtCO_2$, pulses, and more
- Virtual patient monitor wireless link
- Comprehensive ECG library
- Real-time CPR feedback
- Delivery controls: pause, resume, descent speed, reset
- Shoulder dystocia controls
- Fetal monitor controls
- Fetal heart rate baseline, variability, and accel/decel
- Contraction frequency, duration, intensity, and resting tone
- Coupling, variability, spontaneous changes
- Neonatal respiratory distress modeling

Gaumard Vitals™

- Touchscreen interface
- Customizable layout can mimic standard patient monitors
- Customizable high/low alarms
- Displays numerical parameters and waveforms including HR, ECG, RR, BP, O_2sat, $EtCO_2$
- FHR and TOCO strip
- EFM and FSE heart tones
- Trace history and print capability



NOELLE® S550.100.250 and PEDI® Blue Newborn Package

S550.100.250.PK

NOELLE patient simulator with OMNI 2, PEDI Blue Newborn S320.100.250 package, Labor and Delivery Simulation Learning Experiences scenario package, Gaumard Vitals patient monitor, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.



NOELLE® S550.250 and Neonate Trainer Package

S550.250.PK

NOELLE patient simulator with OMNI 2, neonate airway trainer, Labor and Delivery Simulation Learning Experiences scenario package, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.



NOELLE® S551.250 Package

S551.250.PK

NOELLE patient simulator with OMNI 2, Labor and Delivery Simulation Learning Experiences scenario package, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.



Palpation abdomen

S550.250.009.R2

Lifelike abdomen featuring neonate inside an amniotic sac for training Leopold and version exercises.



C-section abdomen

S550.250.007.R2

Abdomen featuring soft skin insert for training cesarean deliveries using real surgical instruments.



Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Customizable patient monitor displays patient vital signs and fetal monitoring in real-time.

Scan to browse Obstetric simulators

NOELLE® S550.100 with PEDI® Blue Newborn Package

The NOELLE S550.100 Maternal and Newborn Care Patient Simulator Package is a comprehensive teaching system that combines the best features of our advanced childbirth simulators to provide a complete birthing simulation experience before, during, and after delivery.

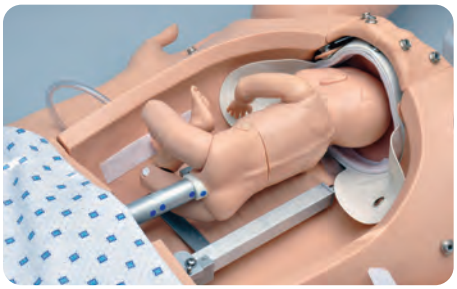
NOELLE® S550.100 features

- Full-size articulating female
- Intubatable airway with chest rise
- Real-time CPR feedback
- IV arm for meds/fluids
- Removable stomach cover
- Practice Leopold Maneuvers
- Multiple fetal heart sounds
- Automatic birthing system
- Measure head descent and cervical dilation
- Multiple placenta locations
- Replaceable dilating cervices
- Practice postpartum suturing on vulval inserts
- One articulating birthing baby with placenta
- New postpartum hemorrhage and palpation module



NOELLE® S550.100 package contents

- NOELLE Full-body maternal birthing simulator
- Automatic birthing system
- Articulating birthing fetus
- PEDI Blue Neonate S320.100
- (1) Maternal and (1) Neonate OMNI® Controller
- OMNI Code Blue® pack: CPR Link software, CPR Link connection cable
- Accessories
- Power supply 100-240 VAC
- Carrying bags
- User guide



Automatic fetal descent and rotation



Simulate postpartum hemorrhaging and train fundal massage



Practice airway management and CPR with real-time feedback



Monitor CPR feedback in real-time with OMNI Code Blue pack



Simulate postpartum hemorrhaging and train fundal massage



Placenta features detachable fragments

NOELLE® S550.100 and PEDI® Blue Newborn Package

S550.100.PK

NOELLE patient simulator with OMNI, PEDI Blue Newborn S320.100 package, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.

NOELLE® S550 and Neonate Trainer Package

S550.PK

NOELLE patient simulator with OMNI, resuscitation neonate, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.

NOELLE® S551

S551.PK

NOELLE patient simulator with OMNI and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.

NOELLE® S550 Series birth canal

30080979A
30080980A
30080981A

One lifelike birth canal. One adapter sleeve.

NOELLE® S550 Series dilating cervices pack

S550.100.935

Replacement cervix. Set of two.

Scan to browse Obstetric simulators

NOELLE® Birthing Torso with OMNI® 2

The NOELLE S552.250 is perfect for high-volume exercises designed to help learners improve psychomotor skills and confidence.

Features

- Full-size upper and lower torso
- Automatic birthing system that rotates baby as it moves through the birth canal
- Manage vertex, breech, dystocia, and instrument-assisted deliveries
- Removable abdominal cover
- Soft and flexible cervix and birth canal
- One articulating birthing baby with umbilical cord and placenta
- Practice postpartum suturing on vulval inserts
- Practice Leopold Maneuvers
- OMNI® 2 Virtual Patient Monitor Support

NOELLE® S552.250 Birthing Torso with OMNI® 2

S552.250.PK

NOELLE S552.250 childbirth skills trainer, OMNI 2 controller, user guide, and carrying bag. Skin tones available at no extra charge. Patents 6,503,087 and 7,114,954; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Customizable patient monitor displays patient vital signs and fetal monitoring in real-time.





Play, pause, and reset the delivery with just one touch



Repeatable fetal presentation, rotation, and descent



Practice shoulder dystocia delivery techniques



Simulate cord prolapse, nuchal cord, placenta previa, and more

NOELLE® Maternal Birthing Torso

A space-saving simulator for those programs dedicated to the management of complications in pregnancy and childbirth.

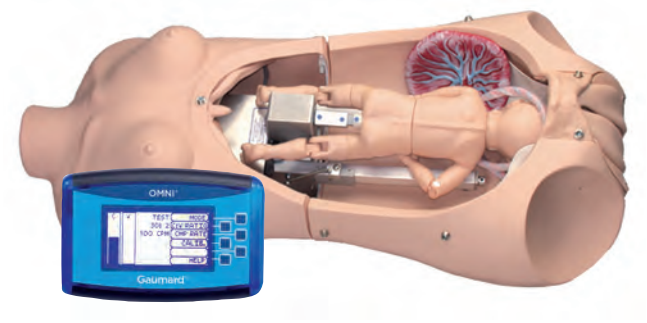
Features

- Full-size upper and lower torso
- Automatic birthing system that rotates baby as it moves through the birth canal
- Manage vertex, breech, dystocia, and instrument-assisted deliveries
- Removable abdominal cover
- One articulating birthing baby with umbilical cord and placenta
- Measure head descent and cervical dilation
- Multiple placenta positions
- Replaceable dilating cervices
- Practice postpartum suturing on vulval inserts
- Practice Leopold Maneuvers

NOELLE® S552 with OMNI®

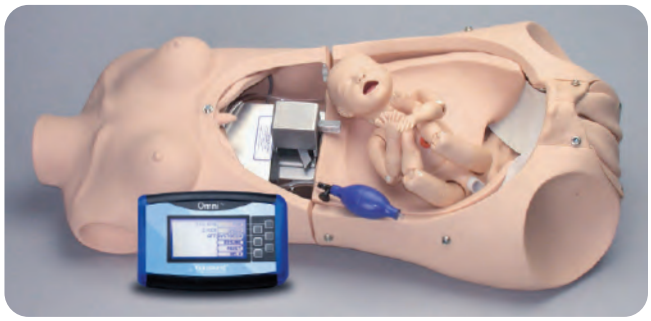
S552.PK

NOELLE S552 childbirth skills trainer, OMNI controller, accessories, user guide, and carrying bag. Skin tones available at no extra charge. Patents 6,503,087 and 7,114,954; other patents pending.





Neonate features realistic joint articulation



Soft cushion enables fetal baby to be placed into position for practice of Leopold Maneuvers



Practice Leopold Maneuvers and listen to fetal heart sounds

Scan to browse Obstetric simulators

Super OB SUSIE® S500.300

Childbirth Training Torso

- Anatomically accurate pelvic landmarks
- Includes full-term neonate featuring palpable landmarks and articulating limbs
- Lifelike cephalic, breech, shoulder dystocia, operative, and C-section deliveries
- Leopold, version, PPH management, episiotomy repair, and more



Scan to browse
Obstetric simulators

Hands-on obstetric skills training

The Super OB SUSIE® is a realistic childbirth torso designed to aid educators in teaching labor and delivery management skills to learners of all levels.

- Pelvic examination
- Urinary catheterization
- Cephalic and breech delivery
- Operative vaginal delivery
- Shoulder dystocia management
- Umbilical cord management
- Placenta delivery
- Rectal medications



Realistic anatomy

The anatomically accurate pelvis and term neonate allow learners to develop clinical skills transferable to scenario-based exercises.

- Adult-sized lower torso with hip-joint articulation
- Uniform skin with realistic elasticity and soft feel
- Pelvic landmarks include ischial spines and coccyx
- Full-term neonate with articulated limbs (18.5 in, 6 lb)
- Neonate landmarks include fontanelle and sutures

Customizable and adaptable

Super OB SUSIE's modular design allows you to add new functionalities to meet specific training needs. Choose from a list of optional packages.

- PPH management
- Episiotomy repair
- Delivery Assist Mechanism

Routine delivery competencies

- Vaginal examination
- Fetal presentation
- Cardinal movements
- Delivery maneuvers
- Cord management
- Placenta delivery



Palpable pelvic landmarks and dilating cervix



Illustrate descent, rotation, and expulsion



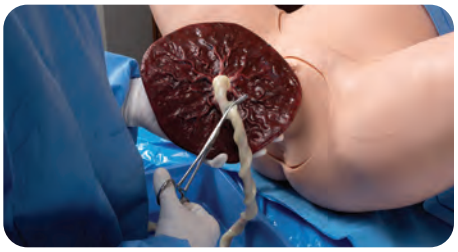
Removable abdomen offers an internal view of the birth

Cord and placenta management

- Nuchal cord
- Cord prolapse
- True knots
- Clamp and cut
- Retained placental fragments



Umbilical cord clamping and cutting



Placenta delivery and examination



Obstetric Emergencies

Super OB SUSIE® can illustrate realistic shoulder dystocia situations to train advanced delivery maneuvers, teamwork, and communication.

- McRoberts maneuver
- Suprapubic pressure
- Rubin
- Woods Screw
- Arm sweeps

Articulated joints provide realistic resistance

Breech and operative delivery

The neonate's smooth skin and articulated limbs support the use of real instruments and advanced maneuvers.



Breech maneuvers: Pinard, Mauriceau, Ritgen, Lovset



Forcep indication, application, and traction



Vacuum cup application, suctioning, and traction

PPH management package

- Practice/master postpartum care and emergency management skills with the optional PPH package.
- Fundal and bimanual massage
- Uterine tamponade placement
- Urinary catheterization
- Suppository administration



Soft abdomen and adjustable uterine tone for massage training



Cervix and uterus allow for tamponade placement and hemorrhage control

Super OB SUSIE® Childbirth Training Torso

S500.300.PK

The OB SUSIE Childbirth Torso includes everything to get started in one easy-to-use package.



Torso Features

- Adult-sized lower torso: diaphragm to upper legs
- Smooth and supple skin
- Removable pregnant abdominal cover
- Modular cervix and birth canal
- Bony landmarks, including ischial spines and coccyx
- Lifelike placenta with detachable umbilical cord
- Patent urethra with bladder access
- Integrated urine bladder (400 mL)
- Integrated blood reservoir
- Articulating hip joints
- Patent rectum

Neonate Features

- Full-term size and weight (18.5 in, 6 lb.)
- Soft, full-body skin
- Nasal and oral cavities
- Palpable fontanelle and sutures
- Articulated limb joints
- Detachable umbilical cord

Package Contents

- Super OB SUSIE Torso
- Pregnant abdomen
- Full-term neonate
- Placenta
- (2) Umbilical Cord
- (2) Umbilical Stumps
- (2) Cervices
- (2) Birth Canals
- Mineral Oil
- Talcum Powder
- Urine fill kit

PPH Management Package

S500.300.117

The PPH Management Package enables the training of postpartum care and emergency management skills.





Features

- Realistic post-delivery perineum
- Uterine tamponade placement
- Adjustable uterine tone
- Urinary bladder catheterization
- Suppository administration

Package Contents

- PPH Perineum
- Boggy Uterus
- PPH Cervix
- Blood concentrate
- Blood fill kit

Delivery Assist Mechanism

S500.300.929

The Delivery Assist Mechanism manual lever makes controlling descent and rotation virtually effortless.





Features

- Controlled descent
- Fetal rotation control
- Hold during descent

Package Contents

- Birthing mechanism
- Rear panel
- Fasteners set

Postpartum Episiotomy Suture Trainer

30081194A

The episiotomy repair trainers simulate human tissue and support the use of real sutures and instruments.





Features

- Realistic soft skin
- Supports real sutures
- Durable, self-healing skin

Package Contents

- Mediolateral left episiotomy perineum
- Midline episiotomy perineum

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Scan to browse
Obstetric simulators



OBSTETRIC BIRTHING TORSOS

Childbirth and Postpartum Care Management

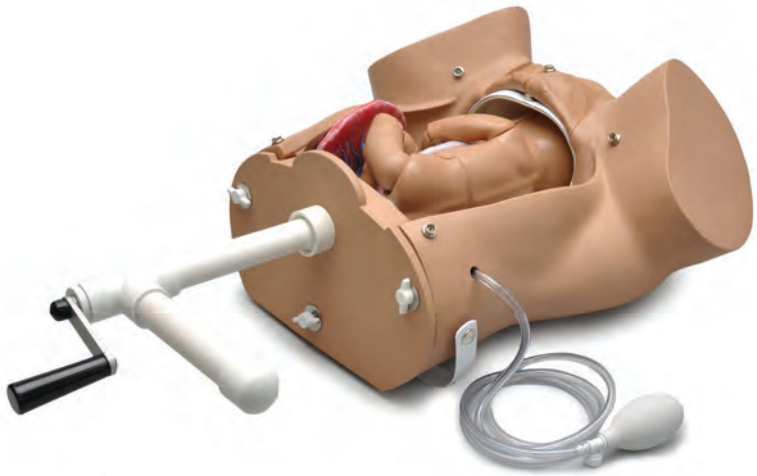
Advanced OB SUSIE® S500.200

S500.200.PK



OB SUSIE® S500.100

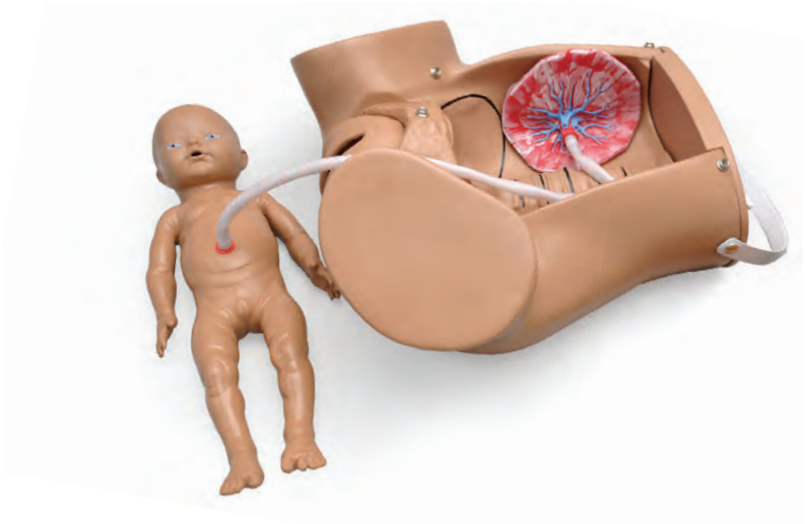
S500.100.PK



S500 Original Childbirth Skills Trainer

S500.PK

Original SIMA Models®



Advanced OB SUSIE® - a proven versatile and durable simulator with years of service throughout the world.

Features

- Lightweight birthing torso available in light, medium, or dark skin colors
- Audible maternal heart sounds from 0 to 200 bpm
- Audible newborn heart sounds from 0 to 200 bpm
- Audible newborn crying, grunting, and stridor
- Vertex or breech deliveries
- Vacuum augmentation or forceps-assisted deliveries
- Replaceable vulval inserts and highly distensible cervices
- Two removable abdominal covers: one transparent and one opaque
- Fetus with elevating pillow for practicing Leopold maneuvers

Advanced OB SUSIE® S500.200

S500.200.PK

Advanced OB SUSIE Birthing Torso, flesh tone abdominal cover, clear abdominal cover, male and female birthing babies with attached umbilical cords, accessories, and user guide.





Breech delivery
Practice vaginal breech deliveries and free the legs using Pinard maneuver.



Fetal palpation
Palpating fetus through transparent or opaque abdominal cover.



Vacuum delivery
Vacuum-assisted or forceps deliveries with or without abdominal cover.



Delivery of placenta
Position placenta to simulate placenta previa. Placenta also has detachable fragments.



Place clamps, cut umbilicus
Includes four umbilical cords and two umbilical clips for clamp placement and cutting exercises.



Postpartum bleeding
Use blood concentrate to simulate postpartum bleeding.



Catheterization
Use conventional urinary catheter to reduce the size of the bladder.



Uterine massage
Uterine massage decreases the size of the outer uterus, allowing the student to feel the small, firm internal uterus.



Full-term newborn
Full-term newborn with stocking cap, umbilicus pulses, and accepts umbilical catheter.



Fetal heart tones
Pinard or conventional stethoscope can be used to hear fetal heart sounds, which are adjustable from 0 to 220 bpm.



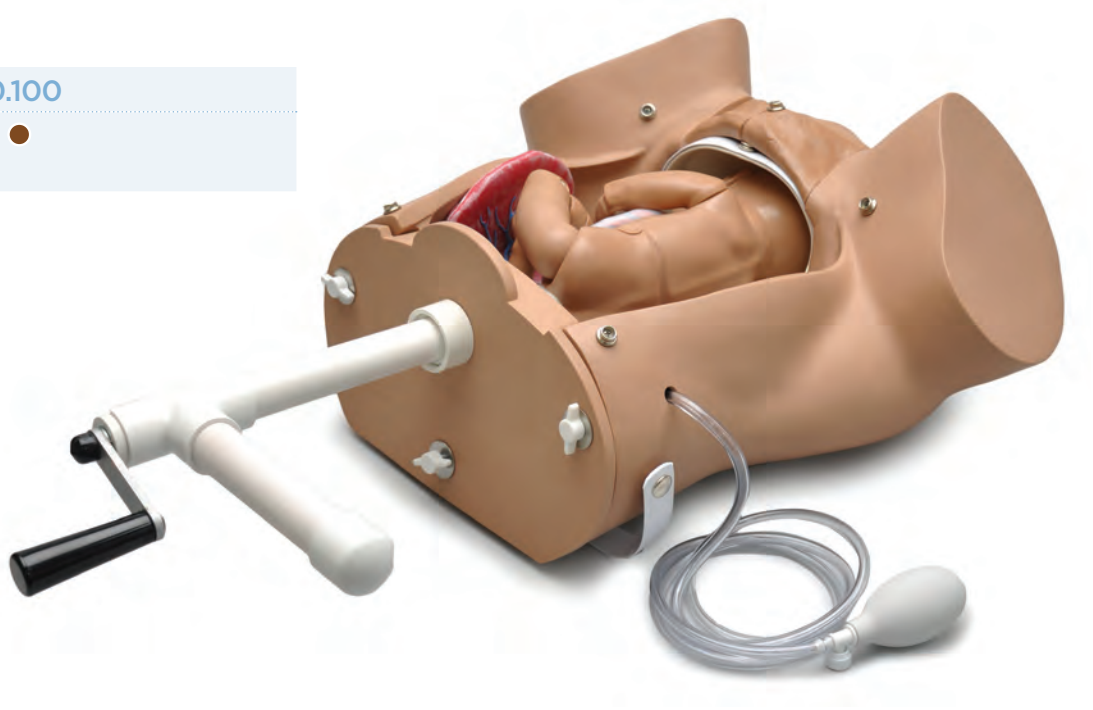
Heart rate, crying, & airway sounds
Select fetal heart rate, maternal HR, newborn crying, grunting, or stridor sounds.

Scan to browse Obstetric simulators

OB SUSIE® S500.100

S500.100.PK

Patent 6,503,087



Features

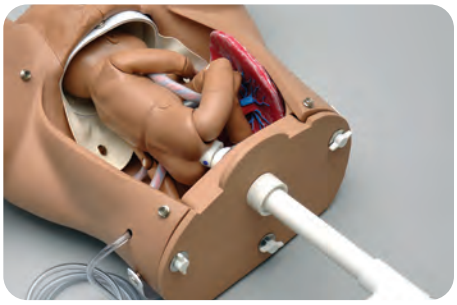
- Portable
- Simulate cephalic and breech deliveries
- Leopold maneuvers
- Cord prolapse and placenta previa
- Practice fundal massage
- Demonstrate internal rotation, expulsion, and external rotation
- Practice intrauterine manipulation to convert breech or transverse to vertex delivery
- Practice fundal massage to firm a “boggy” uterus
- Modules feature medial episiotomy with tears in the labia minora, mediolateral tears, and standard mediolateral episiotomy

Package includes

- One fetus for “version” exercises
- One padded stomach cover
- Accessories
- Instructions
- Carrying bag





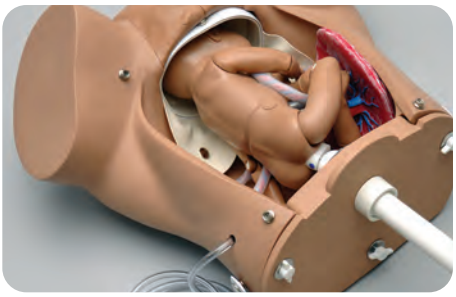


Palpation for Leopold maneuvers

- Place fetus in vertex, transverse, or breech position
- Lower cushion raises fetus for palpation
- Soft stomach cover facilitates palpation or fetal manipulation



Palpation module for Leopold maneuvers



Articulating fetus with palpable fontanelles, spine, shoulders, elbows, and knees

Normal vaginal delivery

- Birth from ROA or LOP positions
- Demonstrate rotation / expulsion
- Cervix dilates as labor progresses
- Position placenta to simulate placenta previa
- Practice reduction of nuchal cord



Extensible dilating cervix permits students to conduct vaginal exams and record results



Downward movement to deliver the anterior shoulder

Breech and vacuum delivery

- Place fetus on birthing mechanism in normal or breech position
- Teach Pinard “leg flip” during breech
- Pause normal delivery to create the need for the vacuum augmentation



Instrument-assisted delivery



Breech delivery

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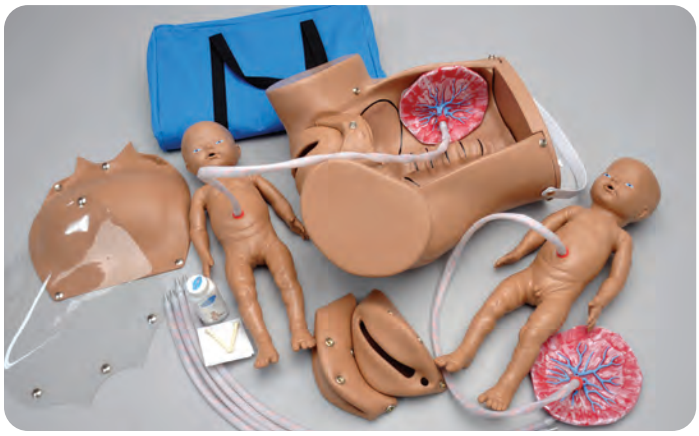
S500 Original Childbirth Simulator

S500.PK

A SIMA Models® Original

This versatile childbirth simulator allows educators to guide students through various normal and abnormal labor and delivery scenarios. It may be used to demonstrate the following obstetric procedures:

- Normal vaginal delivery
- Complete, frank, and footling breech birth
- C-section delivery
- Ritgen maneuver
- Episiotomy
- Vertex presentation
- Intrauterine manipulation
- Vertex/vertex, vertex/breech, breech/vertex, or breech/breech presentation in multiple births
- Prolapse of umbilical cord
- Demonstration of placenta previa: total, partial, and marginal
- Normal delivery of umbilical cord and placenta
- Palpation of fetal fontanelles



Package includes

- Removable diaphragm end plate for manual positioning of fetal baby
- Removable stomach cover for positioning fetus
- Life-size pelvic cavity with major anatomic landmarks
- One baby boy and one baby girl, each with umbilical cord and placenta
- Anatomically accurate backbone and fontanelles on fetal baby/babies
- One skin tone stomach cover
- Accessories
- User guide
- Soft carrying bag

Palpation Module For Leopold Maneuvers

S500.3

- One-piece fetal baby with palpable fontanelles, spine, shoulders, elbows, and knees
- Fetal baby may be placed in normal, breech, or transverse position
- Fetal baby cradled between two “cushions”
- Each cushion may be inflated independently of the other. Inflation of the lower cushion raises the fetus to the desired position, while inflation of the upper cushion creates a firm abdomen, like in the ninth month of pregnancy





SUSIE® Articulating Newborn For Leopold Maneuvers

S500.5.PK

- Newborn simulator with realistic mouth, nostrils, palpable fontanels, spine, shoulders, buttocks, elbows, and knees.
- Elevation cushion can raise and lower the position of the fetus to increase the ease of palpations. Module fits in S500.
- Soft carrying bag



Labor Delivery Module

S500.4

- Six labor stations selected to represent conditions of the cervix and vagina prior to labor, during labor, and at birth in a primigravid woman
- Stations may be placed in birth canal of the S500
- Stations illustrated: STA -5 prior to onset of labor, STA -4 cervix partially effaced, STA -3 cervices fully effaced
- STA 0 fetal head at plane of ischial spine, STA +2 cervix nearing full dilation
- STA +5 crowning of fetal head



Postpartum Suturing Trainer

S500.6

- Soft vinyl enables use of standard needle holder with “00” or “000” chromic sutures
- Three modules feature medial episiotomy with tears in the labia minora, mediolateral episiotomy with periurethral tears, and a standard mediolateral episiotomy



Birthing Mechanism (three-piece)

S500.10.PK

- Birthing fetus
- Birthing mechanism advances and rotates the fetus through the birth canal
- Simulate crowning of fetal head
- Fetal rotation enables shoulder presentation
- Removable cervices automatically dilate as labor progresses
- Removable end-plate for insertion of birthing mechanism
- Manipulation of the vulva to pass the forehead, nose, and ears
- Soft carrying bag
- User guide

Scan to browse Obstetric simulators



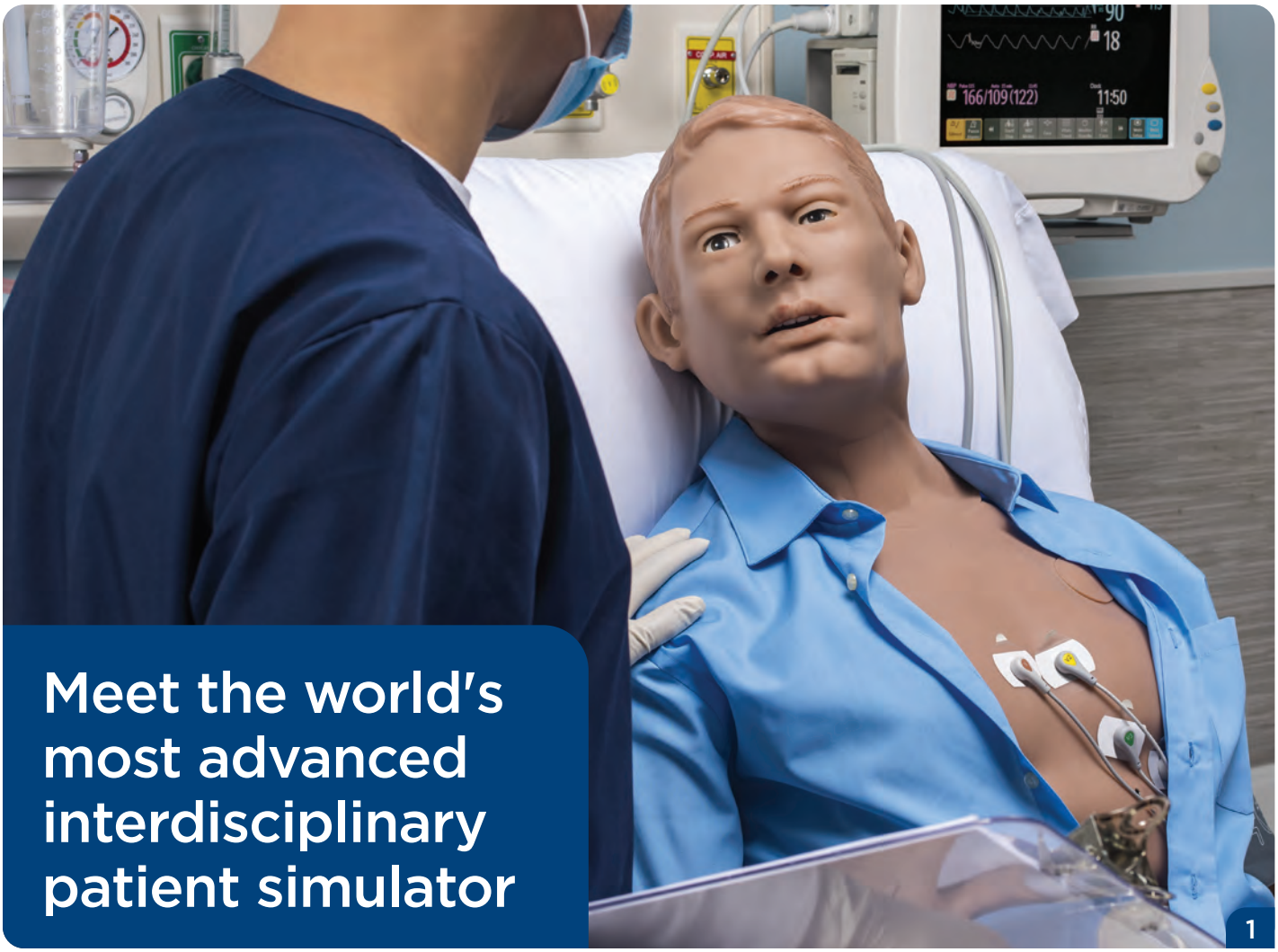


HAL® S5301

Interdisciplinary and Immersive

From emergency care to ICU and med-surg training, HAL is designed to fulfill educational objectives across clinical disciplines and blur the lines between simulation and real life. Lifelike motor movement, next-gen simulated physiology, UNI® 3, and many more industry-first capabilities launch the next leap in simulation.

Scan to browse Emergency and ALS simulators



Meet the world's most advanced interdisciplinary patient simulator

1





A new standard in patient care simulation

HAL S5301 is the all-new flagship of the HAL brand, trusted by simulation programs worldwide for its innovation, ease of use, and reliability. The S5301 sets the standard for the future of patient simulation, building upon the design philosophy established with the original HAL launched nearly two decades ago. Join us as we chart HAL's course into the future.

Introducing a new level of fidelity in neurological emergency simulation

HAL introduces the latest innovations in robotics to simulate lifelike symptoms of a neurological emergency and enables team-based training through patient assessment and treatment without interruption. New features like facial droop and arm motor control reproduce the progression of a stroke, helping teams train in time-dependent clinical skills and teamwork.

1. Verbal and non-verbal communication

HAL S5301 combines streaming audio, facial expressions, and realistic movement to make interacting with providers more natural, helping them to develop an understanding of non-verbal communication cues.

2. Active motor function

Right arm motor reflex: shake hand, squeeze hand, raise arm, withdrawal response, and abnormal posturing. Head and eyes turn toward the provider speaking.

3. Abnormal eye movements

Consensual and nonconsensual pupillary response to light stimuli. Abnormal eye movements include strabismus, ptosis, and more.

4. Dynamic facial expressions

Lifelike facial droop and smiling, pained, quizzical, and scared facial expressions. Dynamic emotional states automatically express non-verbal cues including worry, anxiety, and lethargy.

5. Lifelike sensory response

Active pain response to pressure-sensitive sites: bilateral supraorbital notch, trapezius pinch (left shoulder), sternal rub, and right middle finger nailbed.









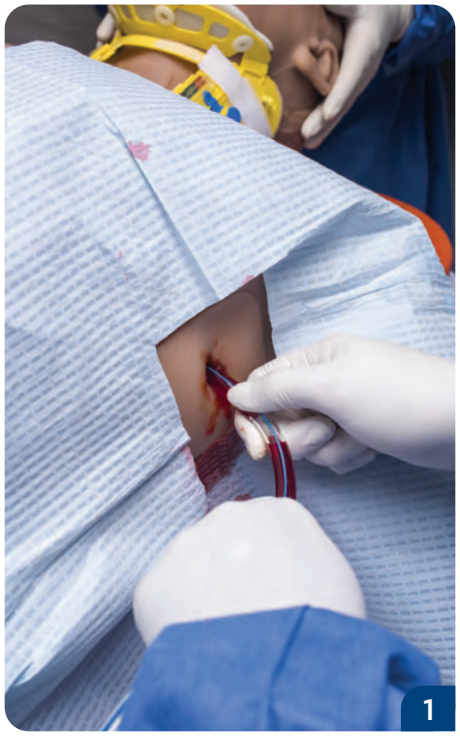
Hospital trauma team training made immersive

With new ultra-high fidelity anatomy and physiology, HAL supports advanced trauma care algorithms and essential surgical interventions using real tools and clinical techniques. Skin, bony landmarks, and internal tissue provide realistic tactile feedback to maximize the development of transferable skills. Internal sensors provide real-time feedback on provider interventions while automatically recording event data for debriefing.



1. Chest tube thoracostomy

Realistic left hemo/pneumothorax site supports palpation, incision, chest tube insertion, tube placement detection, bleeding, and suturing.



2. Surgical airway management

Anatomically accurate oral cavity and airway. Perform tracheotomy, cricothyrotomy, and retrograde intubation.



3. Abdominal bleeding wound

Penetrating abdominal wound responds to pressure and packing. Features internal, auto-refilling blood reservoir with 1.2-liter capacity.



4. Intraosseous access

Supports tibia and humeral intraosseous access and continuous infusion.

5. Real-time CPR performance feedback

Real-time quality feedback and reporting: Time to CPR, compression depth/rate, compression interruptions, ventilation rate, excessive ventilation, smart CPR coach.

6. Trauma arm and leg

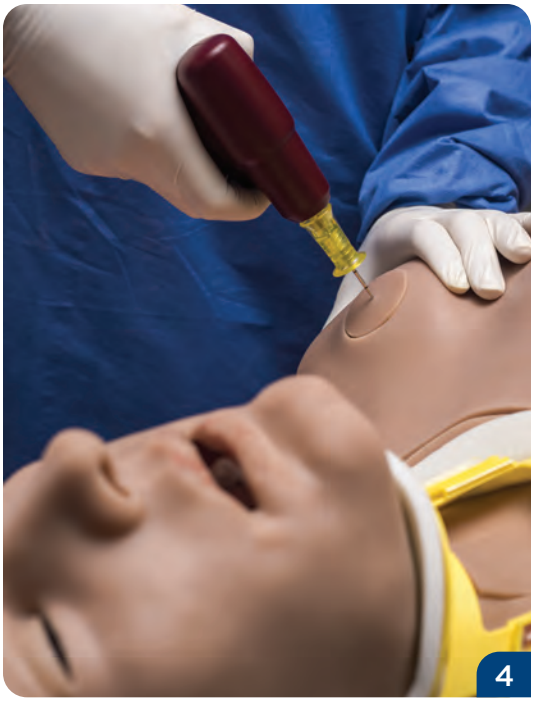
Optional trauma arm and trauma leg accessories feature bleeding wound and tourniquet placement detection.

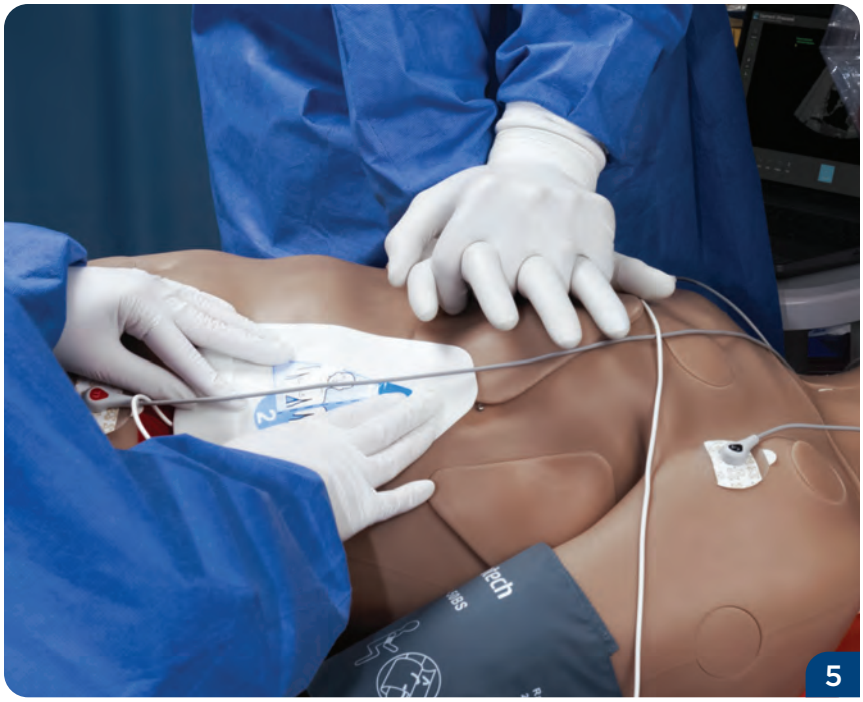
True-to-life imaging with Gaumard Ultrasound™

Facilitate ultrasound training through full-scale immersive emergency and trauma scenarios. Gaumard Ultrasound simulates the function and feel of a real portable ultrasound machine. Transducer range-of-motion is natural. Imaging is dynamic and lifelike, allowing students and professionals to refine imaging skills in team-based simulation.

The new HAL Emergency POCUS/eFAST module offers you a library of emergency ultrasound case imaging covering a wide variety of trauma presentations.











Scan to browse Emergency and ALS simulators



The new gold standard for critical care in-situ simulation training

HAL S5301 revolutionizes critical care simulation training through powerful physiologic features and software. HAL helps participants improve skills and confidence by enabling learning experiences in real environments and using actual patient monitoring devices and mechanical ventilators.







Next-generation lung physiology and mechanical ventilator support

HAL S5301 features our latest advanced dynamic lung system design, capable of responding to mechanical ventilation with greater physiological accuracy. HAL interfaces with real mechanical ventilators like a real patient and supports standard ventilator modes, including AC, CMV, SIMV, and PSV, as well as PEEP and weaning strategies. The patented internal lung design means no manual calibration, proprietary adapters, or expensive and stationary external converters.



1. Real patient monitoring

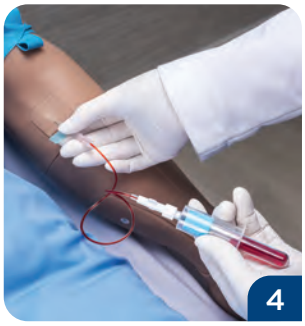
Monitor vitals using real equipment: RR, 12-lead ECG, IBP, BP, SpO_2, TOF, and $EtCO_2$.

2. High-quality auscultation

New, high-quality library of lung, heart, and bowel sounds. Anatomically accurate auscultation fields.

3. Intra-arterial blood pressure monitoring

Radial arterial access site permits catheterization, flashback, sampling, and IBP monitoring; interfaces with real adjuncts, sensors, and devices.



4. Intravenous access

Features bilateral IV access sites, an antecubital vein blood draw site, and automatic virtual drug recognition on the lower left arm.



5. Blood glucose testing

Perform finger-stick glucose testing on the left index finger.



6. Train-of-Four monitoring

Supports Train-of-Four monitoring using real devices.

Urinary catheterization

Features internal 0.7-liter urine reservoir with variable urine/blood output.

Scan to browse Emergency and ALS simulators

Introducing the all-new UNI® 3

UNI 3 is our most powerful and intuitive patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you navigate even the most complex scenarios with ease.



Built new from the ground up

UNI 3 is built on a new, modern software platform, improving performance and stability with a refreshed yet familiar design.

New controls and tools

User account management stores personalized settings, scenario builder features visual guides to aid planning, and new diagnostics tools ensure HAL is always operating optimally.

Feedback for debriefing

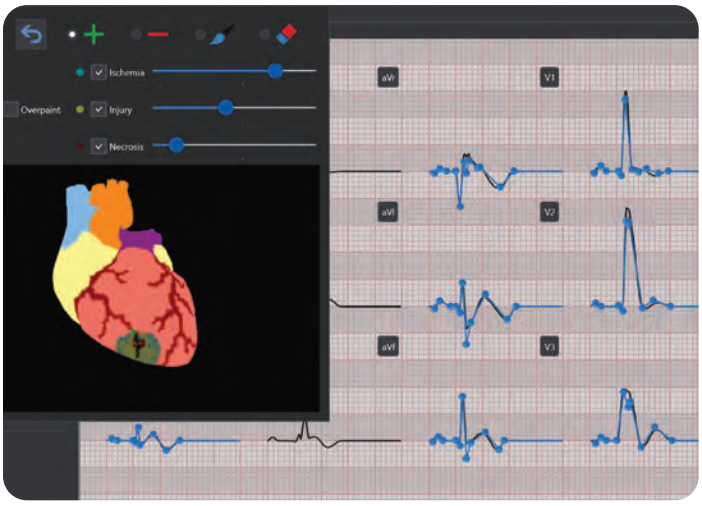
UNI 3 interfaces with sensors in HAL to provide you with more detailed real-time performance and event data to aid assessment and debriefing.



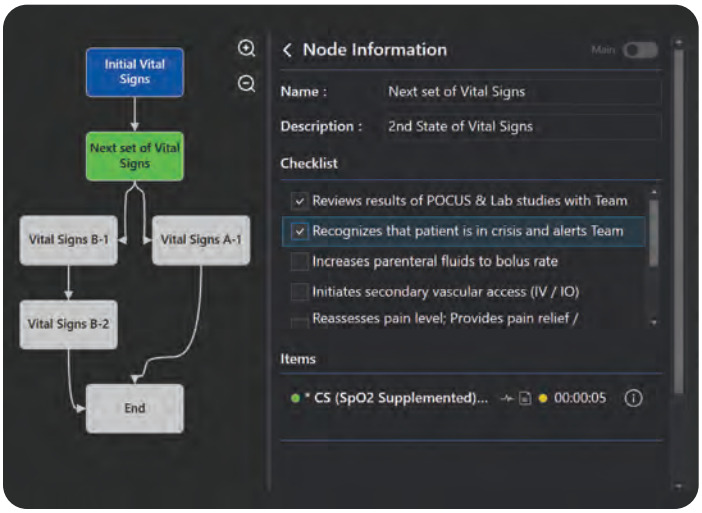
Ready for training with the HAL® S5301 Simulation Learning Experiences™ package

The HAL S5301 Simulation Learning Experiences (SLE) package provides you with a library of ready-to-use, evidence-based scenarios designed to help ease the facilitator's workload, increase realism, and standardize training.

The package includes accompanying UNI® 3 preprogrammed scenarios that automatically manage the patient's vitals and a Facilitator's Guide with comprehensive information for planning, setting up, and facilitating each SLE.







Myocardial infarction designer

Simulate a myocardial infarction with the easy-to-use 3D heart model and monitor the resulting changes using a real 12-lead ECG device or design your own rhythm using the point-by-point PQRST wave editor.

Motor controls

Use the on-the-fly controls to simulate natural motor responses, including facial expressions and eye, neck, and arm movements.

Scenario designer

Create scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Deliver training experiences reflective of diverse populations

HAL S5301 makes it possible to deliver simulation experiences that more accurately reflect the diversity of the real world to promote bias-free patient care. Choose from three models at no additional charge.



Light



Medium



Dark

Feature Highlights

General
- Height 5’ 9” / 175 cm[1]
- Wireless and tetherless[2,3]
- Microsoft Surface Pro preloaded with UNI® 3 Unified Simulator Control Software
- HAL S5301 Simulation Learning Experiences™ scenario package
- Bluetooth, Gaumard RF, and wired connectivity[4]
- Compatible with Gaumard Ultrasound™
- Compatible with Care in Motion™
- Available in light, medium, or dark skin tones at no extra charge[5]

Neurological
- Active eye movement and object tracking
- Wireless streaming voice[6]
- Active neck movement and mouth movement
- Active facial expressions; left facial droop, right facial droop, pained, quizzical, scared, smiling
- Active emotional states: normal, worried, anxious
- Right arm motor reflex: shake hand, squeeze hand, raise arm, withdrawal response, and abnormal posturing (decorticate/ decerebrate)
- Stroke clinical presentations: facial droop, weakness in the right arm, abnormal posturing, and pain response
- Pressure sensitive sites: bilateral supraorbital notch, trapezius pinch (left shoulder), sternal rub, and right middle finger nailbed
- Train-of-Four monitoring using real devices
- Partial tonic-clonic and non-tonic-clonic seizures
- Sweating (diaphoresis) and tears

Airway
- Airway management: ETT, SGA, OPA, NPA[7]
- Tongue edema, laryngospasms, and pharyngeal swelling
- Tracheotomy, cricothyrotomy, and retrograde intubation

Breathing
- Spontaneous breathing
- Four anterior and posterior lung auscultation fields; new lung sound library
- Supports standard mechanical ventilators, modes of ventilation, weaning/liberation protocols; no calibration, proprietary adapters, or external converter adjuncts required
- Variable lung unit compliance, variable, bilateral and unilateral bronchi resistance, inspiratory effort and rate, respiratory drive, real CO_2 exhalation, auto-PEEP
- Left hemo/pneumothorax
- Needle thoracentesis
- Presents capnography waveforms on real devices, including “shark fin” waveform

Cardiac
- Aortic, pulmonic, tricuspid, and mitral auscultation fields and new heart sound library
- Monitor vitals with real devices: 4-lead ECG, 12-lead ECG, pulse oximeter, NIBP/IBP monitor, capnograph
- ECG-derived respiratory monitoring
- UNI® 3D Myocardial Infarction Model
- UNI® 12-lead ECG waveform designer
- Defibrillation and pacing with live energy
- Anterior/lateral and anterior/posterior defibrillator pad placement
- Real-time CPR quality feedback
- Bilateral palpable pulses: carotid, brachial, radial, femoral, popliteal, pedal
- Circumoral skin coloration
- Bilateral IV access sites
- Radial arterial access site supports catheterization, flashback, sampling, and IBP monitoring
- Antecubital vein blood draw site on left arm
- Automatic virtual drug recognition at lower left arm
- Fingerstick glucose testing on the left index finger
- Tibia and humeral intraosseous access and infusion
- Capillary refill time testing at right middle finger

Genitourinary
- Male urinary catheterization with fluid return
- Computer-controlled urinary output rate and urine and/or blood mixture
- Internal, auto-refilling 0.7-liter urine reservoir

Gastrointestinal
- Four bowel auscultation fields and new bowel sound library
- Gastric distention

Trauma
- Internal, auto-refilling 1.2-liter blood reservoir
- Abdominal bleeding wound responds to pressure and packing
- Optional trauma arm and trauma leg accessories feature bleeding wound and tourniquet placement detection

1. Patient simulator approximate physical dimensions: height 5’ 9” / 175 cm, weight 135lbs / 61kg. 2. Maximum wireless range will vary depending on environmental factors and conditions. 3. Battery life estimates are dependent on active features and settings; results may vary. 4. Some audio features are not available in long-range RF wireless mode. 5. Skin tone selection is available at the time of order only. 6. Streaming voice wireless range is dependent on environmental factors and conditions, including Gaumard RF link strength and interference. 7. Dry exercises only; fluid insertion into the nasal and oral cavity is not supported. 8. Warranty coverage, service, product installation, and training may not be available in all areas or countries. See authorized distributor for details. Product design is subject to change without notice. All trademarks and/or copyright materials are the property of their respective owners. Patented; other patents pending.

Browse the full list of HAL S5301 features at www.gaumard.com/HAL-S5301



HAL® S5301 - Advanced Interdisciplinary Patient Simulator Package (Intl.)

S5301-I.PK

HAL S5301 patient simulator, Microsoft Surface Pro tablet preloaded with UNI 3.0, RF communications module, Wi-Fi router, HAL S5301 Simulated Learning Experiences™ Scenario Package, Facilitator's Guide, abdominal wound insert, patient simulator accessories, Two-Year Limited Warranty[8].

Gaumard Ultrasound™ System

30081159A

Package includes Gaumard Ultrasound laptop, transducer, Gaumard Ultrasound software license, and transport case.

HAL® S5301 Emergency Ultrasound POCUS/eFAST Pathologies Module

30081347B

HAL S5301 Emergency Ultrasound POCUS/eFAST Module software license for Gaumard Ultrasound.

Traumatic Right Arm Amputation

30011856A

Lower right arm with traumatic amputation and pressure-sensitive bleeding site.

Traumatic Left Leg Amputation

30011859A

Lower left leg with traumatic amputation and pressure-sensitive bleeding site.

Gaumard Vitals™ Bedside Virtual Monitor

30081435A

Bedside, customizable virtual patient monitor. Package includes preconfigured all-in-one PC and one Gaumard Vitals patient simulator license.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable, customizable virtual patient monitor. Package includes preconfigured tablet PC and one Gaumard Vitals patient simulator license.

Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, and transport case. One-Year Limited Warranty.

Scan to browse Emergency and ALS simulators



HAL® S3201

Advanced Multipurpose Patient Simulator

- Programmable airway and lung compliance
- Myocardial infarction modeling
- Simulated drug recognition
- Real monitoring: mechanical ventilators, 12-lead ECG, AED, oximeters, capnometers, and auto-BP
- Wireless and tetherless mobility
- Includes HAL Simulation Learning Experiences™ scenario package

Streamline your training with the one patient simulator that can do it all. Meet the versatile HAL® S3201

HAL S3201 is our most advanced adult multipurpose patient simulator specifically designed to simulate lifelike cases across a broad range of clinical areas including pre-hospital, ED, OR, ICU, PACU, med-surge, and more.



Versatile and capable

HAL's array of features can simulate a near-infinite number of clinical presentations and responses. HAL also supports the use of real patient monitors and sensors for in situ training.



Wireless and tetherless design

HAL is self-contained, quiet, and fully operational on battery power. HAL's tetherless and wireless design eliminates complicated setups and allows for realistic patient hand-off exercises and realistic in situ simulation.



Powerful and intuitive software

UNI 3 lets you manage HAL's vitals, track participant actions, and export event data for debriefing from one interface. The UNI 3 interface is shared across all Gaumard PC-controlled patient simulators.





A complete solution

HAL S3201 is delivered fully equipped and ready for use. The package includes the powerful UNI® 3 tablet PC, Gaumard Vitals™, the HAL Simulation Learning Experiences scenario package, and accessories.



Proven design history

Since 2004, our industry-leading HAL series design and wireless technology have been proven effective and reliable by our users. The HAL S3201 is the evolution of the HAL S3000, which underwent independent testing by the US Army Aeromedical Research Laboratory.



Skin tone options available at no extra charge



Train using real patient monitors and sensors

HAL® supports a broad range of real patient monitors and sensors. This unique capability allows participants to practice setting up and operating equipment just as they would in real situations.

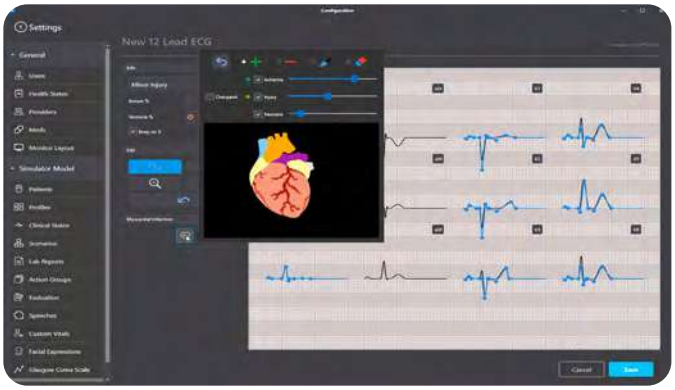
- ECG/EKG monitors
- Oximeters
- Capnographs
- Defibrillators
- NIBP monitors



Patented, dynamic airway resistance and lung compliance respiratory system

Train participants on ventilator management and patient care using a real mechanical ventilator. HAL's respiratory controls let you adjust lung compliance, airway resistance, gasping, real $EtCO_2$, and O_2sat to simulate an infinite number of respiratory conditions.

- Supports standard modes of pressure-controlled and volume-cycled mechanical ventilation
- Presents true-to-life waveforms and values on ventilator screen
- 10 programmable levels of lung compliance (from 15 to 50 cmH_2O)
- 10 programmable levels of airway resistance
- Holds PEEP from 5 to 20 cmH_2O
- Exhales real and measurable CO_2
- Supports on-the-fly changes to airway and lung parameters while connected to the ventilator
- Connect ventilator to HAL using standard patient circuits like a real patient. No calibration, proprietary adapters, or converter boxes required.



12-lead ECG editor with 3D myocardial infarction generator

Train ECG interpretation and MI management using real native 12-lead equipment. Select rhythms from the built-in library design your own using the point-by-point PQRST wave editor or create an occlusion on the 3D heart model to auto-generate injury, ischemia, and necrosis.



Recognition of 50+ virtual drugs

Train medication administration and management to improve patient safety. The drug recognition sensors integrated into the right arm vasculature detect the medication type, concentration, and dose administered.

Train general and specialized practitioners across the continuum of patient care



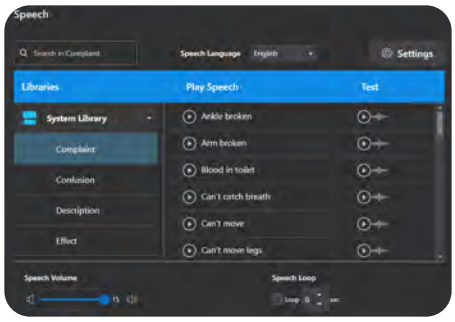
Reactive eyes, seizures

HAL has blinking eyes with photosensitive pupils. Control dilation, reactivity, and blink rate to simulate injury and state of consciousness.



Advanced airway management

Visible tongue edema, pharyngeal swelling, and laryngospasm. Perform an emergency cricothyrotomy or tracheotomy.



Wireless streaming voice

Be the voice of HAL and hear caregiver responses. Create and store vocal responses or select from 80+ pre-recorded phrases.



Real-time CPR feedback and real $EtCO_2$

Built-in ventilation and chest compression sensors capture CPR quality metrics. Measure $EtCO_2$ using a real capnometer to monitor effectiveness.



Defibrillate, cardiovert, & pace

Monitor, capture, pace, and cardiovert using a real defibrillator, electrodes, and real energy. Alternatively, save money on replacement pads by connecting the defibrillator directly to HAL using our optional hands-free training cables.



Auscultation

Present normal and abnormal airway sounds, heart sounds, anterior and posterior lung sounds, and bowel sounds.



Includes the HAL® Simulation Learning Experiences™ scenario package

The HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Acute Anterolateral Myocardial Infarction
- Acute Sepsis Related To Diabetic Ulcer
- Atrial Fibrillation
- COPD Exacerbation
- Diabetic Ketoacidosis
- Opioid Overdose
- Pulmonary Embolism
- Sepsis Related To Pneumonia
- Severe Sepsis
- Supraventricular Tachycardia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included premade Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Provider evaluation

Evaluate providers directly from UNI 3.
Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.

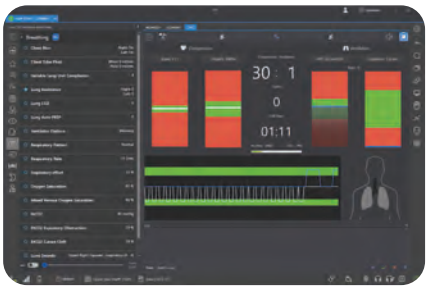
Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.



Real-Time CPR Feedback

Monitor and assess CPR performance in real-time, simulate perfusion dependent on effectiveness, and export performance reports for debriefing.



3D Myocardial infarction

Train to improve MI diagnosis, management, and prognosis. Simply point-and-click on the 3D heart to create an occlusion to auto-generate MI's visible on a real 12-lead ECG reading.



Includes Gaumard Vitals™ patient monitor

- Includes Gaumard Vitals bedside patient monitor
- Customize each trace independently.
- Users can set alarms and time scales.
- Display up to 12 numeric values, including HR, ABP, CVP, PAWP, NIBP, CCO, SpO_2, SvO_2, RR, $EtCO_2$, temperature, and time.
- Select up to 12 dynamic waveforms, including ECG Lead I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, AVP, CVP, PAWP, pulse, CCO, SvO_2, respiration, capnography.
- Share images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses.

Features

General
- Tetherless and wireless; fully responsive during transport[1]
- Fully operational on internal battery power for up to 6 hours[2]
- Supports common patient positions including Fowler's, supine, and sitting

Airway
- Programmable airway: tongue edema, laryngospasm, and pharyngeal swelling
- Multiple upper airway sounds synchronized with breathing
- Right mainstem intubation
- Sensors detect depth of intubation
- Placement of conventional airway adjuncts
- Endotracheal intubation
- Retrograde intubation
- View vocal cords with Sellick maneuver
- Realistic surgical trachea allows tracheostomy or needle cricothyrotomy

Breathing
- Control rate and depth of respiration and observe chest rise
- Select independent lung sounds: upper right, front and back; upper left, front and back; lower right, front and back; lower left, front and back
- Chest rise and lung sounds are synchronized with selectable breathing patterns
- CO_2 on exhalation (4 levels) using replaceable cartridge mounted inside the simulator
- Supports mechanical ventilation using real devices and adjuncts
- Bilateral chest rise and fall
- Unilateral chest rise simulates pneumothorax
- Anterior and posterior auscultation sites
- Bilateral needle decompression at second intercostal
- Dynamic airway resistance and lung compliance/resistance
  - » Ten levels of static compliance, 15-50 ml/cm H_2O
  - » Ten levels of airway resistance
  - » Holds PEEP from 5 to 20cm H_2O
  - » Exhales real and measurable CO_2
  - » Change airway and lung settings on the fly
  - » Receive real-time feedback from a real mechanical ventilator
  - » Capable of triggering the ventilator's assist modes for a breath
  - » Compliance and resistance can be varied while connected to the ventilator

Cardiac
- ECGs are generated in real-time with physiologic variations never repeating textbook patterns
- Heart sounds may be auscultated and are synchronized with ECG
- Real-time CPR feedback sensors; chest compressions are measured and logged
- 12-lead ECG with integrated MI model

Circulation
- Measure blood pressure by palpation or auscultation
- Use real BP cuff rather than a "virtual" cuff to measure blood pressure
- Korotkoff sounds audible between systolic and diastolic pressures
- Oxygen saturation detected using real monitors
- Pulse sites synchronized with BP and heart rate
- Bilateral IV arms with fill/drain sites
- SubQ and IM injection sites
- Intraosseous access at tibia
- ECG monitoring using real devices
- Defibrillate, cardiovert, and pace using real devices
- Multiple heart sounds, rates, and intensities
- ECG rhythms are generated in real-time
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses synchronized with ECG
- Pulses vary with blood pressure and are continuous and synchronized with the ECG even during a paced rhythm

Drug recognition system
- Drug recognition detects simulated medication type, dose, and rate injected into the lower right arm
- Includes a preprogrammed library of simulated medications
- Supplied with 20 tagged syringes
- Add new medications using the UNI 3 software editor

Neurological
- Eyes
  - » Normal, miosis (constricted), and mydriasis (blown) pupil states
  - » Independent left/right pupil states simulate consensual and nonconsensual response
- Select pupillary response to light

Speech
- Wireless streaming audio
- Create and store vocal responses in any language

Other
- Central cyanosis
- Fill bladder and perform Foley catheterization
- Insert feeding tubes
- Auscultate bowel sounds

Articulation and movement
- Realistic joint articulation
- Supports supine, prone, recumbent, and sitting positions
- Seizure/convulsions

HAL® S3201

S3201.PK

HAL S3201, Tablet PC, UNI® 3 License, Gaumard Vitals Bedside patient monitor, SLE scenario package, RF communications module, Bluetooth communications module, battery charger, accessories, carrying case, user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Trauma limbs

Amputated leg - **S3201.004**

Amputated arm - **S3201.005**

Wound kits

Emergency - **WK100**

Burn - **WK105**

Trauma - **WK110**

Casualty - **WK120**

Modified defib cables

Philips® - **30080373D**

Physio LIFEPAK® - **30080375D**

Zoll® - **30080374D**

Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 Battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

1. Maximum wireless range will vary depending on environmental factors and conditions. 2. Battery life estimates dependent on active features and settings; results may vary.

HAL® S3000

Wireless and Tetherless Prehospital and Nursing Patient Simulator

- Programmable airway, breathing, and circulation
- Real-time CPR feedback
- Advanced surgical airway
- Real ECG monitoring and defibrillation
- Wireless and tetherless mobility



Scan to browse Emergency and ALS simulators

From point-of-injury to hospital care, HAL® takes training to the next level

HAL® is an excellent solution for prehospital and nursing care training. Use HAL to train individual and team skills at the point-of-injury, during transport, and in the hospital, in both real and simulated environments. HAL is completely self-contained and wireless, making it easy to transport and set up.



Real-time CPR monitoring and feedback, quality metrics, and smart coaching. Real $EtCO_2$ capability.



Train oral or nasal intubation: ETTs, SGAs, or via tracheostomy or needle cricothyrotomy.



IV access for bolus and infusion exercises.



Blood pressure can be measured using our realistic BP cuff via palpation or auscultation.



Bilateral carotid, radial, brachial, femoral, and pedal pulses operate continuously. Pulse strengths vary with HAL's blood pressure, and pulses are synchronized with the ECG.



Includes wireless tablet PC and UNI® 3 simulator control software.

Mastering cardiac care with HAL

HAL empowers learners to train in managing cardiac conditions using real tools and medical devices. Conductive skin regions support real-time ECG monitoring, pacing, cardioversion, and defibrillation using authentic equipment.



Attach real electrodes and view HAL's ECG generated in real-time. 4-lead ECG sites are included; 12-lead ECG option shown.



Here, pacing therapy converts HAL's profound bradycardia into paced ventricular rhythm. HAL can be paced anteriorly at the defibrillation sites.



Includes the HAL® Simulation Learning Experiences™ package

The HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Acute Anterolateral Myocardial Infarction
- Acute Sepsis Related To Diabetic Ulcer
- Atrial Fibrillation
- COPD Exacerbation
- Diabetic Ketoacidosis
- Opioid Overdose
- Pulmonary Embolism
- Sepsis Related To Pneumonia
- Severe Sepsis
- Supraventricular Tachycardia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

12-lead EKG designer

Design your own rhythm using the point-by-point PQRST wave editor or generate a simulated myocardial infarction using the interactive 3D heart model.

Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.

User management

Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.

Features

General
- Wireless and tetherless; fully responsive even while being transported[1]
- Internal rechargeable battery provides up to 6 hrs. of tetherless operation[2]

Neurologic
- Active Eyes: programmable blink rate, pupil size, and pupil reaction
- Severe or mild seizures
- Preprogrammed speech responses
- Wireless streaming voice; be the voice of HAL® and listen to replies

Airway
- Oral or nasal intubation: ETTs and SGAs
- Programmable difficult airway: laryngospasm, pharyngeal swelling, tongue edema
- Sensors detect depth of intubation
- Surgical airway: tracheostomy or needle cricothyrotomy
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds

Breathing
- Control rate and depth of respiration and observe spontaneous breathing
- Ventilation is measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left, right, upper, and lower lung sounds
- Visible chest rise during BVM ventilation
- Tension pneumothorax and bilateral needle decompression sites
- Bilateral chest tube sites at 5th intercostal space
- Oxygen saturation detected using real monitors
- Real CO_2 exhalation (optional)[3]

Cardiac/circulation
- Normal and abnormal heart sounds, rates, and intensities
- ECG monitoring using real devices
- 4-lead ECG sites are standard; 12-lead ECG option is available.
- Real-time CPR feedback: chest compressions are measured and logged
- Bilateral IV sites
- Intraosseous access at tibia
- Measurable blood pressure with audible Korotkoff sounds
- Visible cyanosis
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses

Other
- Bowel sounds in four quadrants
- Male urinary catheterization with fluid return

HAL® S3000

S3000.PK

HAL S3000 Adult Patient Simulator, Microsoft Surface Pro, UNI® 3 license, SLE scenario package, RF communications module, Bluetooth communications module, battery charger, accessories, user manual. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

CO_2 Exhalation[3]

S3000.078

Real CO_2 exhalation. 10 programmable levels of CO_2 output. Option only available at time of initial purchase.

12-Lead ECG

S3000.120

Train ECG interpretation and MI management using your real native 12-lead equipment. Select rhythms from the built-in library or design your own using the point-by-point PQRST wave editor. Train to improve MI diagnosis, management, and prognosis. Simply point-and-click on the 3D heart to generate an MI visible on a real 12-lead ECG reading.

Defib-pacing snap sites[3]

S3000.125

Option only available at time of initial purchase.



Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

1. Maximum wireless range will vary depending on environmental factors and conditions.
2. Battery life estimates are dependent on active features and settings; results may vary.
3. Option available only at the time of order.



Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.

Trauma limbs

Amputated leg **- S3000.004**

Amputated arm **- S3000.005**

Wound kits

Emergency **- WK100**

Burn **- WK105**

Trauma **- WK110**

Casualty **- WK120**



Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

Scan to browse Emergency and ALS simulators

HAL® S1000

Advanced Life Support and Emergency Care Wireless Patient Simulator

- Intubatable and programmable airway
- Defibrillate, cardiovert, and pace using real equipment
- Needle decompression and chest tube
- Real-time CPR feedback, monitoring, and smart trainer
- Includes HAL® Simulation Learning Experiences™ scenario package
- Wireless and tetherless; fully functional in transport



Scan to browse Emergency and ALS simulators

Simply the best-valued patient simulator for ALS and emergency response training

HAL S1000 is a wireless, computer-controlled, full-body patient simulator explicitly developed for immersive emergency response and advanced life support simulation-based training. HAL allows participants to practice hands-on using real equipment and in real environments to improve knowledge, skills, and teamwork.





Perform chest compression and ventilation

Compress the chest hard and fast; feel the realistic recoil after each compression.



Pulse sites synchronize with BP and heart rate

Carotid, femoral, and radial pulses operate continuously and are synchronized with the ECG.



Intubatable and programmable airway

Use ETTs and SGAs. Program tongue edema and laryngospasm.



Defibrillate, cardiovert, & pace using real equipment

Defibrillate, cardiovert, and pace using real EMS equipment and see HAL's ECG on your real devices.



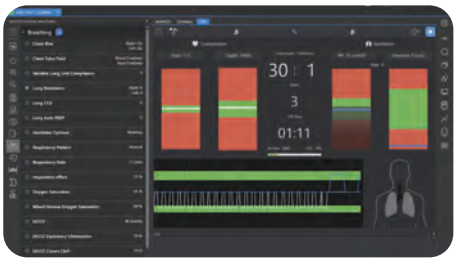
Includes laptop PC

HAL includes the powerful UNI® 3 control interface. Change conditions such as heart rate and blood pressure immediately or specify smooth transitions.



Wireless and tetherless

HAL is completely self-contained, wireless, and fully operational on battery for up to 5 hours.



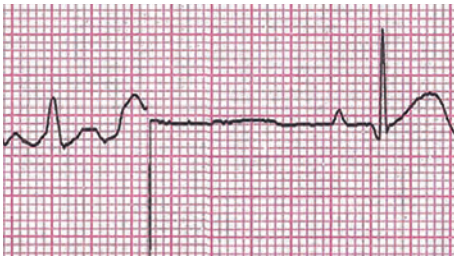
Real-time CPR feedback

Monitor compression depth and rate, ventilations, “no-flow” time, and number of cycles. Export performance reports for debriefing.



Bilateral IV arms

Bilateral IV training arms can be used for bolus or intravenous infusions.



View dynamic ECG

View dynamic ECG on a real ECG monitor. AED shown converting HAL’s ventricular fibrillation.



Spontaneous chest rise and realistic heart and lung sounds

Program variable respiratory patterns and heart and lung sounds.



Needle decompression and chest tube

HAL supports bilateral needle decompression and chest tube placement.



Surgical trachea

Realistic surgical trachea allows tracheotomy or needle cricothyrotomy.

CPR quality and performance feedback

- Time to CPR
- Compression Depth/Rate
- Chest Recoil
- Compression Interruptions
- Ventilation Rate
- Excessive Ventilation
- Time to defibrillation

The wireless tablet option is ideal for training CPR with visual and audio feedback.







Includes the HAL® Simulation Learning Experiences™ package

The HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs complete with a facilitator’s guidebook for planning, setting up, and facilitating each learning experience:

- Acute Anterolateral Myocardial Infarction
- Acute Sepsis Related To Diabetic Ulcer
- Atrial Fibrillation
- COPD Exacerbation
- Diabetic Ketoacidosis
- Opioid Overdose
- Pulmonary Embolism
- Sepsis Related To Pneumonia
- Severe Sepsis
- Supraventricular Tachycardia

To learn more about Gaumard’s Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Features

- Tetherless and wireless; fully responsive during transport[1]
- Fully operational on internal battery power for up to 5 hours[2]
- Supports common patient positions including Fowler's, supine, and sitting
- Wireless streaming voice; be the voice of HAL
- Includes the HAL Simulation Learning Experiences scenario package
- Normal, miosis (constricted), and mydriasis (blown) pupil state
- Independent left/right pupil states simulate consensual and nonconsensual response
- UNI 3 laptop PC included
- Supports tracheal intubation using standard ETTs and supraglottic airway devices
- Program tongue edema or laryngospasm
- Use an ET tube or SGA
- Sensors detect depth of intubation
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds synchronized with breathing
- Realistic surgical trachea allows tracheotomy or needle cricothyrotomy
- Control rate and depth of respiration and observe chest rise
- Ventilations measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left and right lung sounds
- Chest rise and lung sounds are synchronized with selectable breathing patterns
- Supports assisted ventilation, including BVM
- Unilateral chest rise simulates tension pneumothorax
- Multiple lung and breath sounds with volume control
- Multiple heart sounds, rates, and intensities
- Chest compressions are measured and logged
- Blood pressure can be taken on left arm using a modified cuff, palpation, or auscultation
- Bilateral needle decompression at second intercostal
- Bilateral carotid and femoral pulses, plus the left radial pulse, operate continuously
- Bilateral lower arm IV access
- Intraosseous access at right tibia
- Pulse strengths vary with HAL's blood pressure, and pulses are synchronized with the ECG
- Detects placement of oxygen saturation sensor on index finger
- HAL has conductive skin regions so you can apply real electrodes and AED pads
- Defibrillate, cardiovert, and pace using real EMS equipment and see HAL's ECG on your AED
- Program HAL's response to defibrillation
- View dynamic ECG in your real ECG monitor
- Links with optional audio-visual system that integrates the event log with feeds from camera and the simulated patient monitor for comprehensive debriefing
- Programmable bowel sounds
- Programmable central cyanosis

1. Maximum wireless range will vary depending on environmental factors and conditions.
2. Battery life estimates are dependent on active features and settings; results may vary.
3. Option available only at the time of order

HAL® S1000

S1000.M2.PK

HAL S1000 Adult Patient Simulator, Laptop PC, RF communications module, Bluetooth communications module, UNI® 3 license, SLE scenario package, accessories, user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

UNI® 3 Tablet PC Upgrade

S1000.215

Upgrade HAL's control laptop to a lightweight tablet PC for increased mobility. Package includes: Microsoft Surface Pro, stylus pen, and rugged protective case. Option only available at time of initial purchase.

CO_2 Exhalation[3]

S1000.078

Real CO_2 exhalation. 10 programmable levels of CO_2 output. Option only available at time of initial purchase.

Urinary Catheterization[3]

S1000.070

Internal bladder and catheterizable male genitalia. Option only available at time of initial purchase.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.



Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 Battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

Scan to browse Emergency and ALS simulators

Code Blue® III Series

Advanced Patient Simulators



Scan to browse Emergency and ALS simulators

Our Code Blue® III ALS training simulators allow you to teach high-performance, quality CPR by providing you with real-time feedback on the CPR metrics that make a difference.

Code Blue® III Adult



Code Blue® III Adult with OMNI® 2

S300.100.250.PK





Code Blue® III Adult with UNI® Tablet PC

S300.100.215.PK

Skin tone options available at no extra charge

Code Blue® III Five Year



Code Blue® III Five Year with OMNI® 2

S300.105.250.PK





Code Blue® III Five Year with UNI® Tablet PC

S300.105.215.PK

Skin tone options available at no extra charge

Code Blue® III Newborn



Code Blue® III Newborn with OMNI® 2

S300.110.250.PK





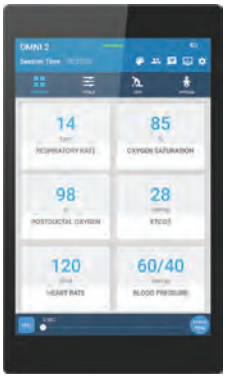
Code Blue® III Newborn with UNI® Tablet PC

S300.110.215.PK

Skin tone options available at no extra charge

Code Blue® III Adult

Code Blue III Adult now offers even more value. Thanks to its wireless design, you can easily facilitate realistic and immersive emergency simulation scenarios in situ, in transport, or in the lab without interruption.



OMNI® 2 wireless control interface included

OMNI 2 is an easy-to-use wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing

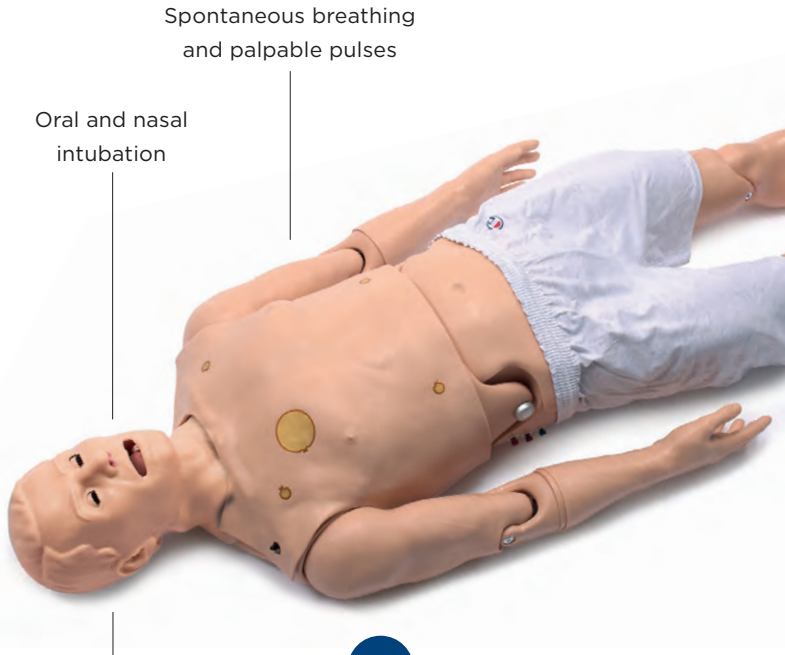


OMNI® 2 real-time CPR feedback

Monitor CPR quality metrics in real-time

- » Time to CPR
- » Compression Depth/Rate
- » Chest Recoil
- » Compression Interruptions
- » Ventilation Rate
- » Excessive Ventilation

- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing





CPR feedback interface elements are optimized for coaching and self-paced learning



Realistic airway with tongue, visible vocal cords, and trachea supports oral and nasal intubation



Color and vital signs respond to hypoxic events and interventions



Connect real electrodes to the conductive skin sites and monitor ECG using real medical equipment

Virtual patient monitor support

Add the optional Gaumard Vitals™ virtual patient monitor to enhance realism and exercise a broader range of clinical skills.

- Simulate 20+ dynamic numerical parameters and waveforms
- Customizable layout can be configured to simulate the look and feel of a variety of real patient monitors
- Programmable high/low alarms
- Built-in virtual defibrillator
- Touchscreen-enabled controls
- Links wirelessly to the patient simulator's control interface



Virtual patient monitor sold separately. Product model may vary from the one shown.

Code Blue® III Adult Features

- Wireless and tetherless design; fully operational in transit
- Built-in rechargeable battery
- Available with an OMNI® 2 or UNI® control tablet
- Realistic airway with tongue, visible vocal cords, trachea, and esophagus
- Supports oral and nasal intubation using standard devices
- Head-tilt, chin-lift, and jaw-thrust
- Supports bag-valve-mask ventilation
- Sensors detect and log endotracheal tube placement in the airway
- Visible gastric distention with esophageal intubation or excessive ventilation
- Variable cyanosis intensities simulate hypoxic events and effective interventions
- Audible vocal responses and sounds include complaints, replies, gagging, coughing, gasping, and more
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Automatic breathing with variable respiratory patterns, including agonal breathing and gasping
- Built-in compressor allows for the continuous operation of chest rise and pulses
- Bilateral lung expansion with realistic chest rise during assisted ventilation
- Unilateral chest rise with right mainstem intubation
- Bilateral lung sounds include wheezing, crackles, and squeaks
- Ventilations and chest compressions are measured and logged in real-time
- Intravenous access on the right arm
- Intraosseous access at right tibia
- Conductive skin regions allow for ECG monitoring using real equipment
- Cardiac rhythms are synchronized with ECG, selectable heart sounds, and palpable pulses
- Defibrillate, pace, and cardiovert using real energy and devices
- Palpable carotid, brachial, radial, and femoral pulses
- BP auscultation in left arm
- Auscultate Korotkoff sounds between systolic/diastolic pressures
- Detects oximeter sensor placement on the left index finger
- Includes internal battery and charger

Code Blue® III Adult with OMNI® 2

S300.100.250.PK

CBIII Adult patient simulator, OMNI 2 tablet, OMNI Link, filling kits, battery charger, accessories, user guide, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Code Blue® III Adult with UNI®

S300.100.215.PK

CBIII Adult Patient Simulator, UNI tablet PC, filling kits, battery charger, accessories, and user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.



Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.

Modified defib cables

Philips® **- 30080373D**

Physio LIFEPAK® **- 30080375D**

Zoll® **- 30080374D**

Transport case

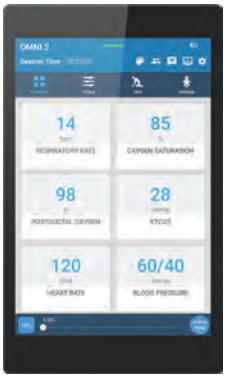
S300.100.060

Soft transport case with wheels for Code Blue III adult patient simulator.

Scan to browse Emergency and ALS simulators

Code Blue® III Pediatric

Code Blue III Pediatric features a wireless design to support immersive emergency simulation scenarios in situ, in transport, or in the lab.



OMNI® 2 wireless control interface included

OMNI 2 is an easy-to-use wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing

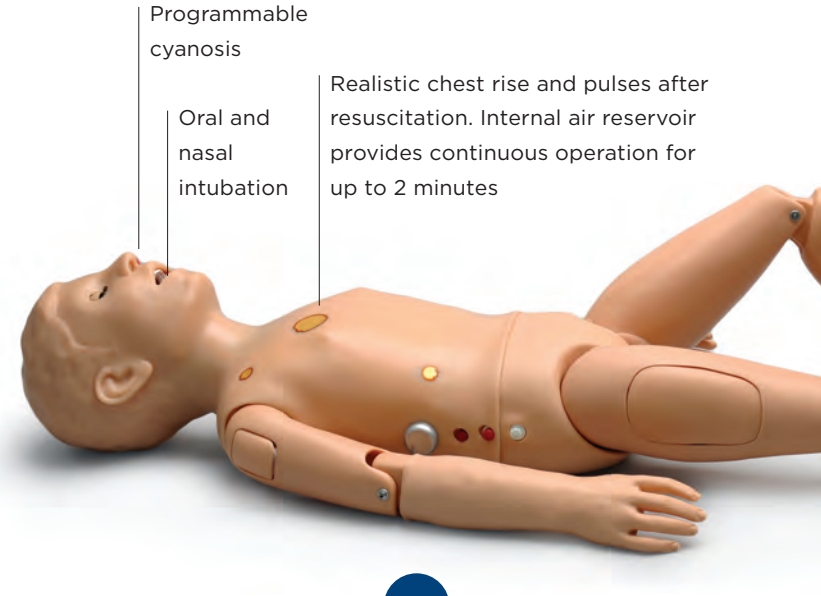


OMNI® 2 real-time CPR feedback

Monitor CPR quality metrics in real-time

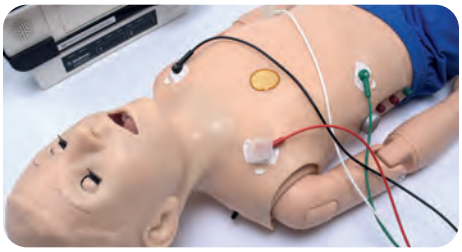
- » Time to CPR
- » Compression Depth/Rate
- » Chest Recoil
- » Compression Interruptions
- » Ventilation Rate
- » Excessive Ventilation

- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing





CPR feedback interface elements are optimized for coaching and self-paced learning



Connect real electrodes to the conductive skin sites and monitor ECG using real medical equipment



Conductive skin sites permit defibrillation, cardioversion, and pacing using live energy



Color and vital signs respond to hypoxic events and interventions (central cyanosis)

Virtual patient monitor support

Add the optional Gaumard Vitals™ virtual patient monitor to enhance realism and exercise a broader range of clinical skills.

- Simulate 20+ dynamic numerical parameters and waveforms
- Customizable layout can be configured to simulate the look and feel of a variety of real patient monitors
- Programmable high/low alarms
- Built-in virtual defibrillator
- Touchscreen-enabled controls
- Links wirelessly to the patient simulator's control interface



Virtual patient monitor sold separately. Product model may vary from the one shown.

Code Blue® III Pediatric Features

- Wireless communication
- Built-in rechargeable battery
- Available with an OMNI 2 or UNI® control tablet
- Vocal responses and sounds include complaints, replies, gagging, coughing, gasping, and more
- Realistic airway with tongue, visible vocal cords, and trachea
- Supports oral and nasal intubation using an endotracheal tube and other standard medical devices
- Sensors detect depth of intubation
- Unilateral chest rise with right mainstem intubation
- (CPR) Chest compression and ventilation performance sensors
- Realistic chest cavity and recoil
- Chest compressions generate palpable pulses
- Bilateral lung expansion and realistic chest rise during bag-valve-mask (BVM) ventilation
- Visible gastric distension with excessive ventilation
- Refillable internal air reservoir provides spontaneous (automatic) chest rise and pulses after resuscitation for up to two minutes
- Defibrillate, cardiovert, and pace using real devices and adjuncts
- Connect real electrodes to the conductive skin sites and monitor ECG using real medical equipment
- Palpable carotid, brachial, radial, and femoral pulses
- Auscultate heart and lung sounds
- Programmable central cyanosis simulates hypoxic events and effective interventions
- Measurable blood pressure with audible Korotkoff sounds
- Oximeter sensor placement detection on the left index finger
- Intraosseous access at right tibia
- IV access for medication infusion
- Intramuscular injection sites in deltoids and quadriceps for placement exercises

Code Blue® III Pediatric with OMNI® 2

S300.105.250.PK

CBIII Pediatric patient simulator, OMNI 2 tablet, OMNI Link, filling kits, battery charger, accessories, user guide, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Code Blue® III Pediatric with UNI®

S300.105.215.PK

CBIII Pediatric Patient Simulator, UNI tablet PC, filling kits, battery charger, accessories, and user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.



Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.

Modified defib cables

Philips® **- 30080373D**

Physio LIFEPAK® **- 30080375D**

Zoll® **- 30080374D**

Transport case

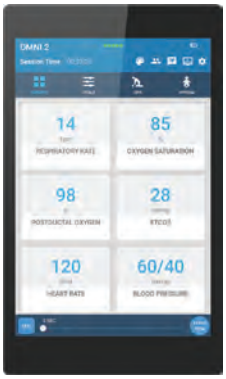
S300.105.060

Soft transport case with wheels for Code Blue III pediatric patient simulator.

Scan to browse Emergency and ALS simulators

Code Blue® III Newborn

Code Blue III Newborn offers the best value in neonatal resuscitation simulation-based learning.



OMNI® 2 wireless control interface included

OMNI 2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing



OMNI® 2 real-time CPR feedback

Monitor CPR quality metrics in real-time

- » Time to CPR
- » Compression Depth/Rate
- » Chest Recoil
- » Compression Interruptions
- » Ventilation Rate
- » Excessive Ventilation

- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing

Refillable internal air reservoir provides spontaneous (automatic) chest rise and pulses after resuscitation for up to 60 seconds

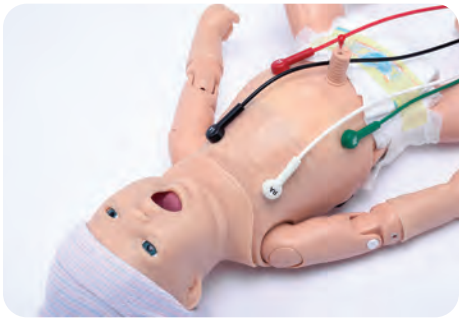
Intraosseous access

- Programmable cyanosis
- Oral and nasal intubation
- Audible crying and grunting





CPR feedback interface elements are optimized for coaching and self-paced learning



Connect real electrodes to the conductive skin sites and monitor ECG using real medical equipment



Color responds to hypoxic events and interventions (healthy, mild cyanosis, severe cyanosis)



Chest compression and ventilation sensors track and log provider CPR performance

Virtual patient monitor support

Add the optional Gaumard Vitals™ virtual patient monitor to enhance realism and exercise a broader range of clinical skills.

- Simulate 20+ dynamic numerical parameters and waveforms
- Customizable layout can be configured to simulate the look and feel of a variety of real patient monitors
- Programmable high/low alarms
- Built-in virtual defibrillator
- Touchscreen-enabled controls
- Links wirelessly to the patient simulator's control interface



Virtual patient monitor sold separately. Product model may vary from the one shown.

Code Blue® III Newborn Features

- Wireless communication
- Built-in rechargeable battery
- Available with an OMNI® 2 or UNI® control tablet
- Programmable crying
- Realistic airway with tongue, visible vocal cords, and trachea
- Supports oral and nasal intubation using an endotracheal tube and other standard medical devices
- Sensors detect depth of intubation
- Unilateral chest rise with right mainstem intubation
- (CPR) Chest compression and ventilation performance sensors
- Realistic chest cavity and recoil
- Compressions generate palpable pulses
- Bilateral lung expansion and realistic chest rise during bag-valve-mask (BVM) ventilation
- Refillable internal air reservoir provides spontaneous (automatic) chest rise and pulses after resuscitation for up to 60 seconds
- Connect real electrodes to the conductive skin sites and monitor ECG using real medical equipment
- Palpable umbilical, brachial, and radial pulse
- Programmable heart and lung sounds
- Programmable central cyanosis simulates hypoxic events and effective interventions
- Measurable blood pressure
- Intraosseous access at right tibia
- Umbilical catheterization
- IV access for medication infusion

Code Blue® III Newborn with OMNI® 2

S300.110.250.PK

CBIII Newborn patient simulator, OMNI 2 tablet, OMNI Link, filling kits, battery charger, accessories, user guide, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Code Blue® III Newborn with UNI®

S300.110.215.PK

CBIII Newborn Patient Simulator, UNI tablet PC, filling kits, battery charger, accessories, and user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.



Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.

Transport case

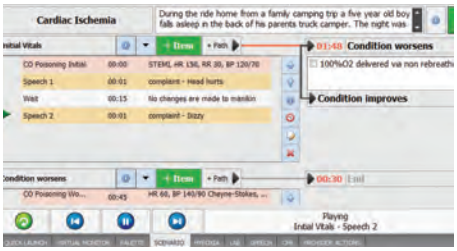
S300.110.060

Soft transport case with wheels for Code Blue® III newborn patient simulator.

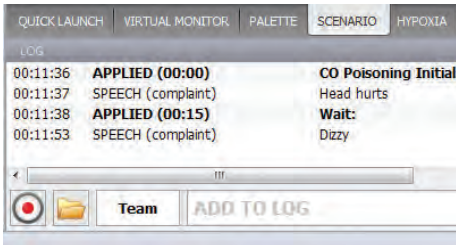
Scan to browse Emergency and ALS simulators

Code Blue® III UNI® Unified Simulator Control Software Upgrade

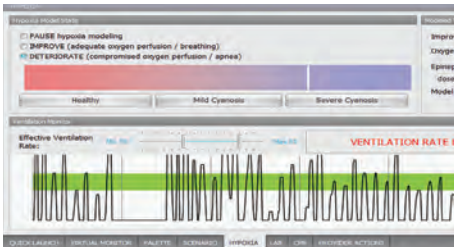
- Includes a library of preprogrammed scenarios
- Easy to use on-the-fly controls and scenario builder
- Real-time CPR quality and performance information
- Lab report generator
- Track care provider actions
- Generate event logs and performance reports for debriefing and archiving



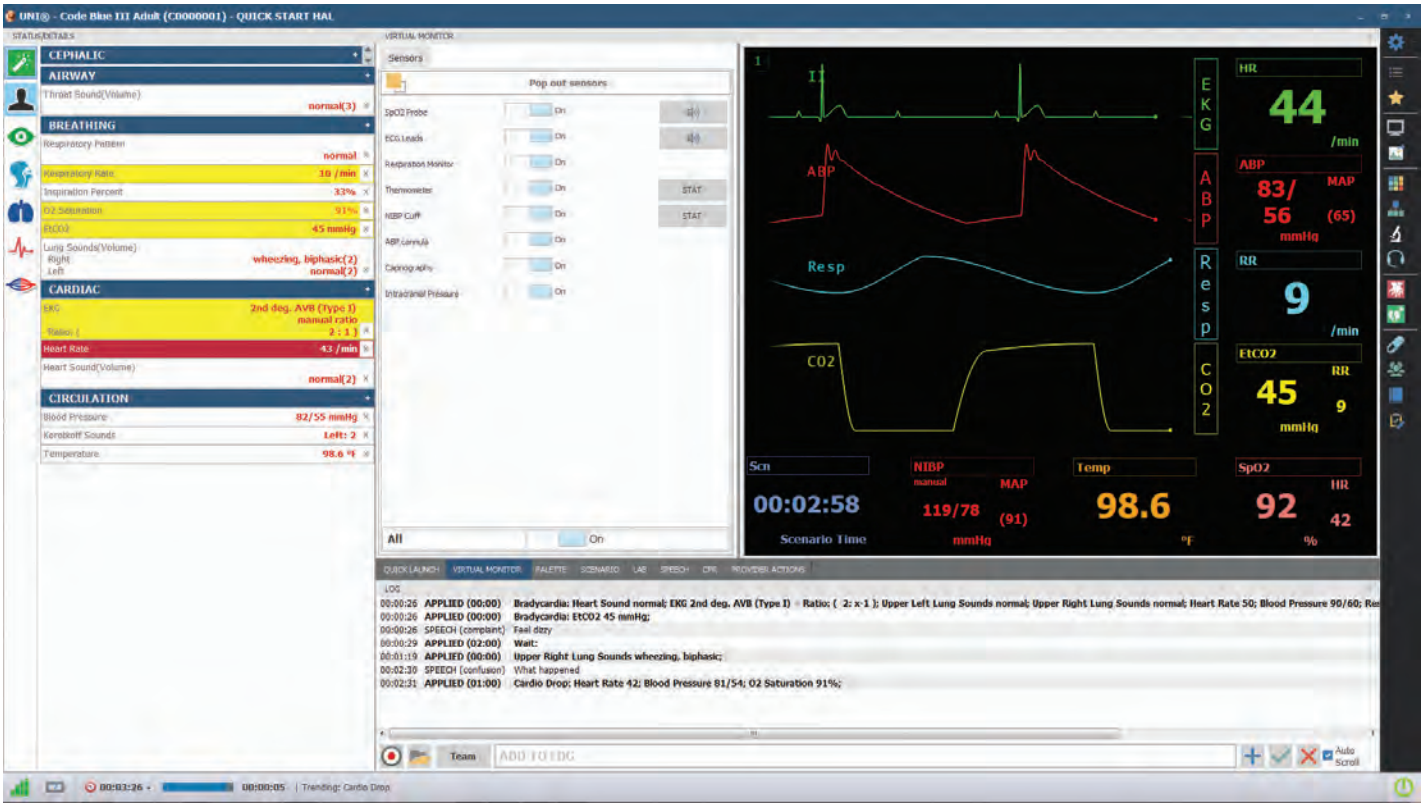
Link “Palette” items to build a linear or branching scenario



Changes in condition and care are time-stamped and logged



Hypoxia model responds to care provider actions



UNI features easy-to-use controls, logging tools, and a built-in patient vital signs monitor view.

Scan to browse Emergency and ALS simulators

Features	Adult S300.100.250	Pediatric S300.105.250	Newborn S300.110.250
Airway sounds and vocal responses	•	•	•
Supports bag-valve-mask ventilation	•	•	•
Visible vocal cords	•	•	•
Head-tilt, chin-lift, jaw-thrust	•	•	•
Oral/Nasal intubation (ET)	•	•	•
Preprogrammed speech responses	•	•	Audible cry
Bilateral lung expansion with bag-valve ventilation	•	•	•
Unilateral chest rise with right mainstem intubation	•	•	•
Bilateral lung sounds	•	•	•
Programmable chest rise and fall	•	•	•
Built-in air compressor for continuous breathing	•	–	–
Spontaneous breathing and pulses with internal air reservoir	–	•	•
Intraosseous access at right tibia	•	•	•
IV training arm	•	•	•
Umbilical catheterization	–	–	•
Oximeter sensor placement detection	•	•	–
Multiple palpable pulses	•	•	•
Palpable umbilical pulse	–	–	•
Blood pressure auscultation	•	•	•
Korotkoff sounds	•	•	•
Visible cyanosis	•	•	•
(CPR) chest compression and ventilation performance sensors	•	•	•
Chest compressions generate palpable pulses	•	•	•
Defibrillate and pace using real medical devices	•	•	–
Heart and lung sounds	•	•	•
4-lead ECG using real medical equipment	•	•	•
Palpable landmarks including ribs and xiphoid process	•	•	•
Articulated neck, jaw, arms, and legs	•	•	•
Oral suctioning	•	•	–
Gastric distension with excessive BVM	•	•	–
Wireless communication[1]	•	•	•
Built-in rechargeable battery[2]	•	•	•
Defibrillate to snap sites	•	•	–
UNI® Unified simulator control software[3]	o	o	o
Gaumard Vitals™ - Bedside Virtual Patient Monitor	o	o	o
Gaumard Vitals™ - Mobile Virtual Patient Monitor	o	o	o
Transport Case	o	o	o

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

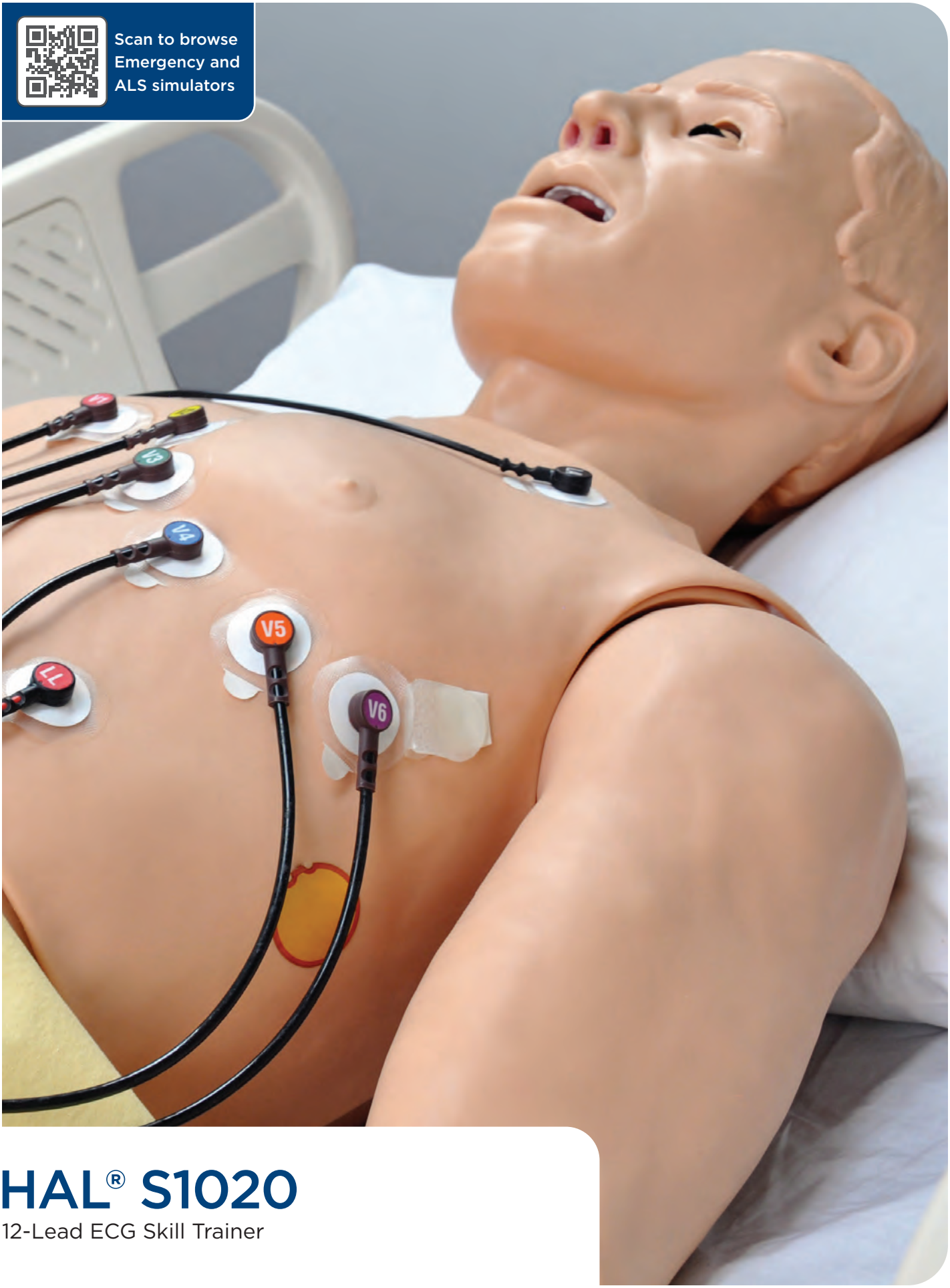
3. Option available only at the time of order

Skin tone options available at no extra charge

• Standard

o Optional Add-On/Accessory

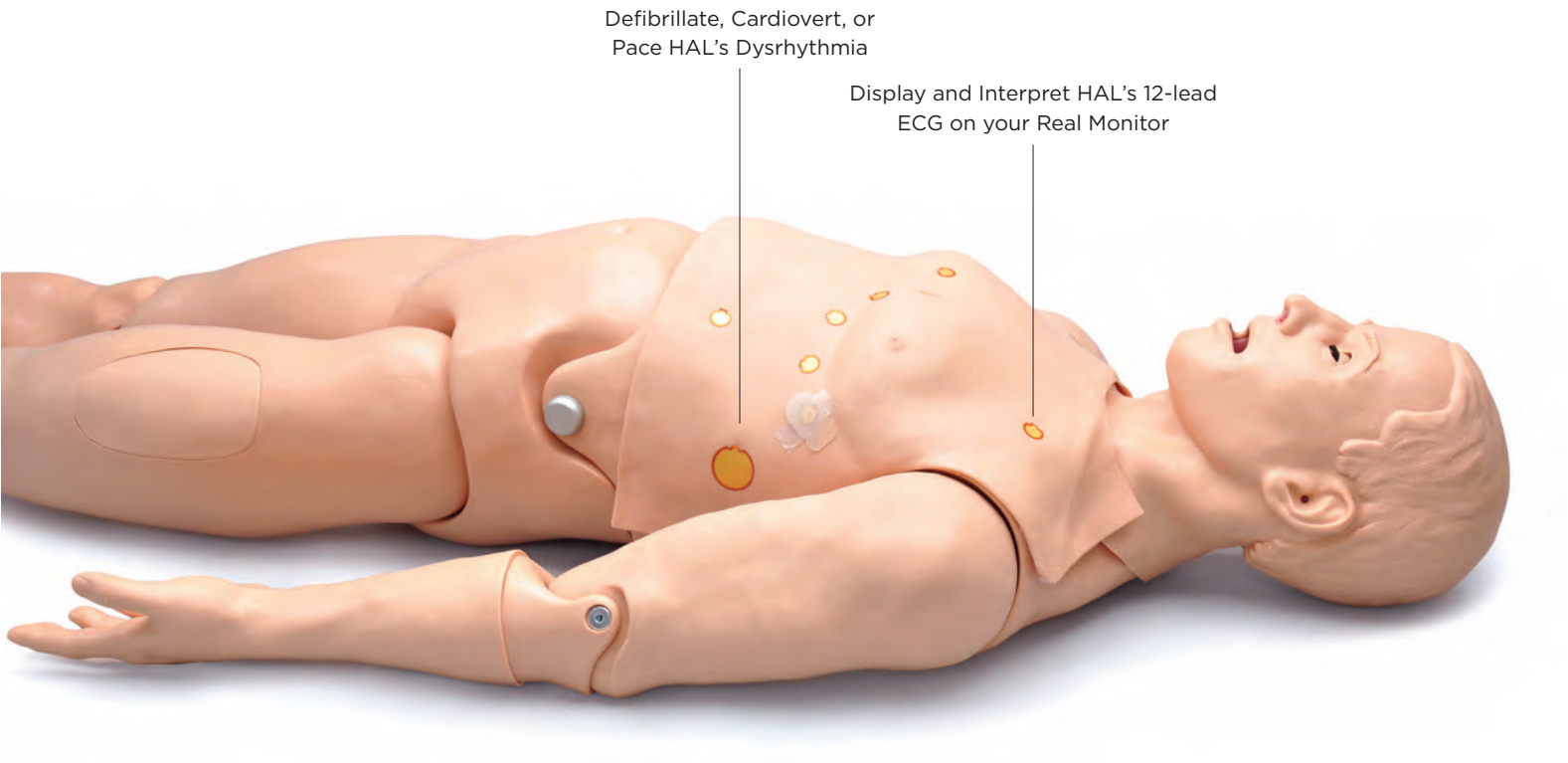
Scan to browse Emergency and ALS simulators

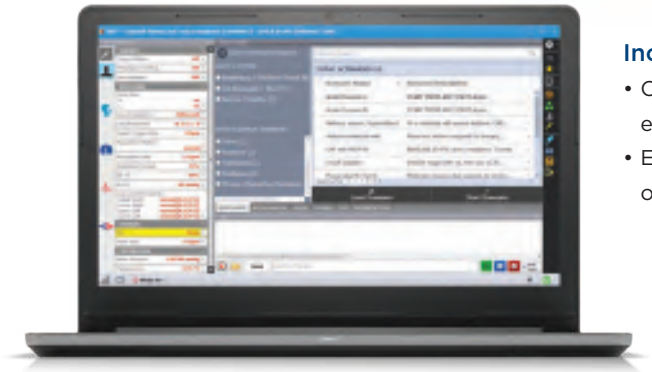


HAL® S1020

12-Lead ECG Skill Trainer

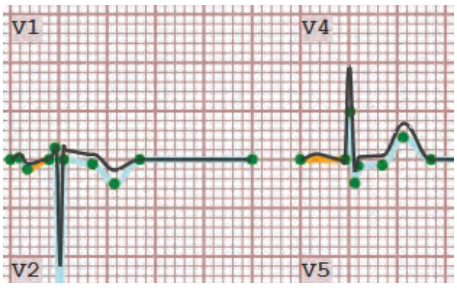
12-lead ECG simulator with integrated myocardial infarction model





Includes UNI control laptop

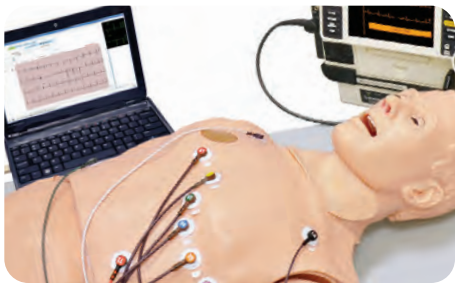
- Create and modify waveforms even on a "point-by-point" basis
- ECG library features thousands of cardiac rhythms



Specify additional 12-lead ECGs using our editing feature



Defibrillate, cardiovert, or pace HAL's dysrhythmia with a real AED



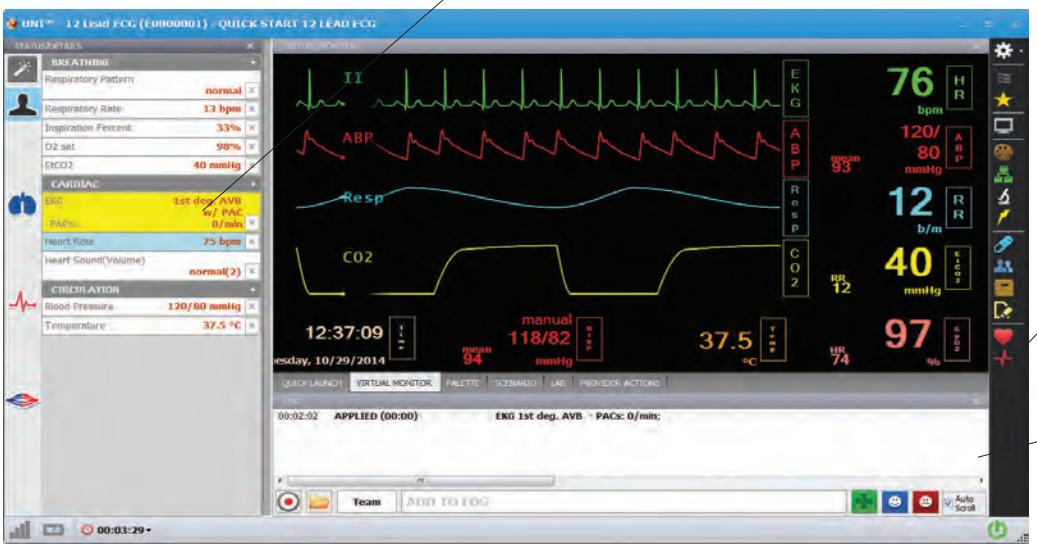
Use your real 12-lead ECG monitor

Status Window Shows HAL's Current Physiologic State

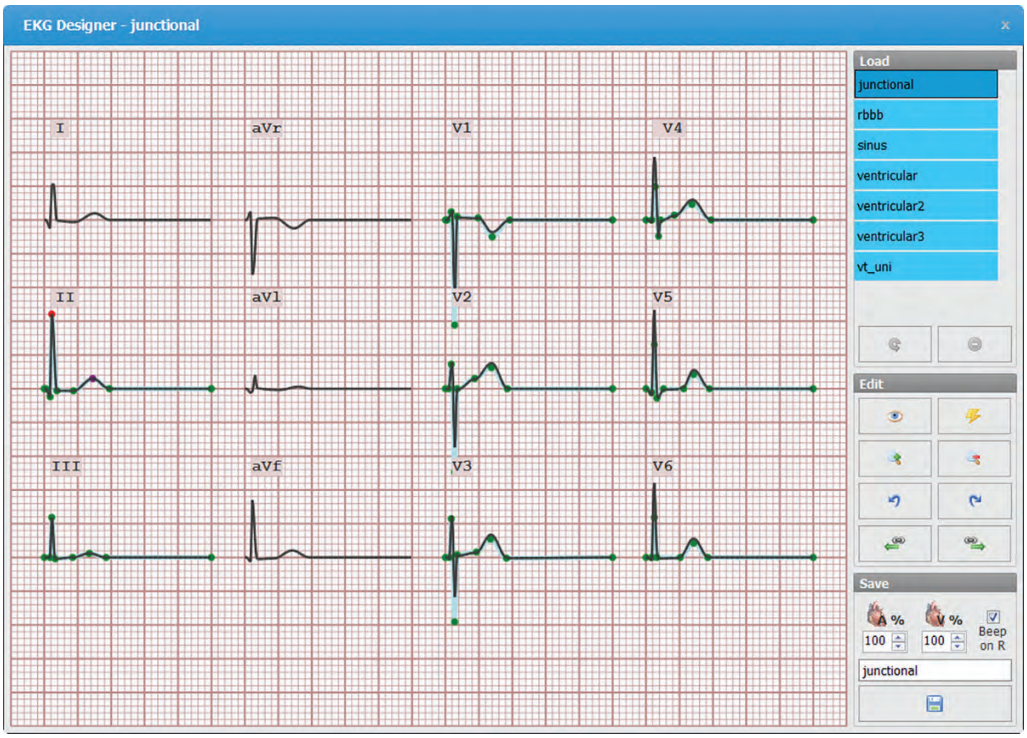
ECG Library Features Thousands of Cardiac Rhythms

Display and Interpret HAL's 12-Lead ECG

Automatic Event Log for Debriefing



S1020 User interface displaying two dynamic ECG waveforms and 12-lead strip



Rhythm editor allows you to create and modify waveforms even on a "point-by-point" basis. Editor is so accurate a real defibrillator will correctly interpret the resulting waveform

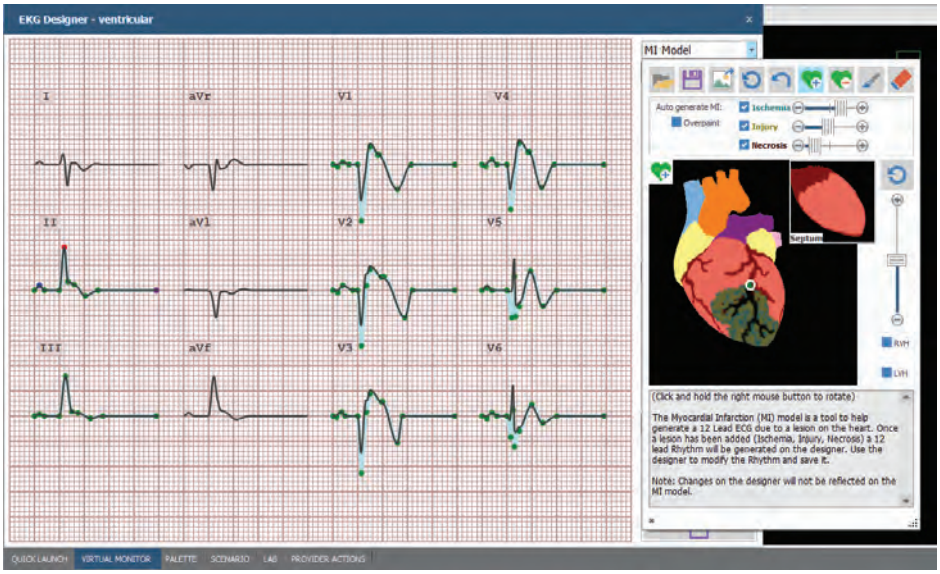
HAL® S1020

S1020

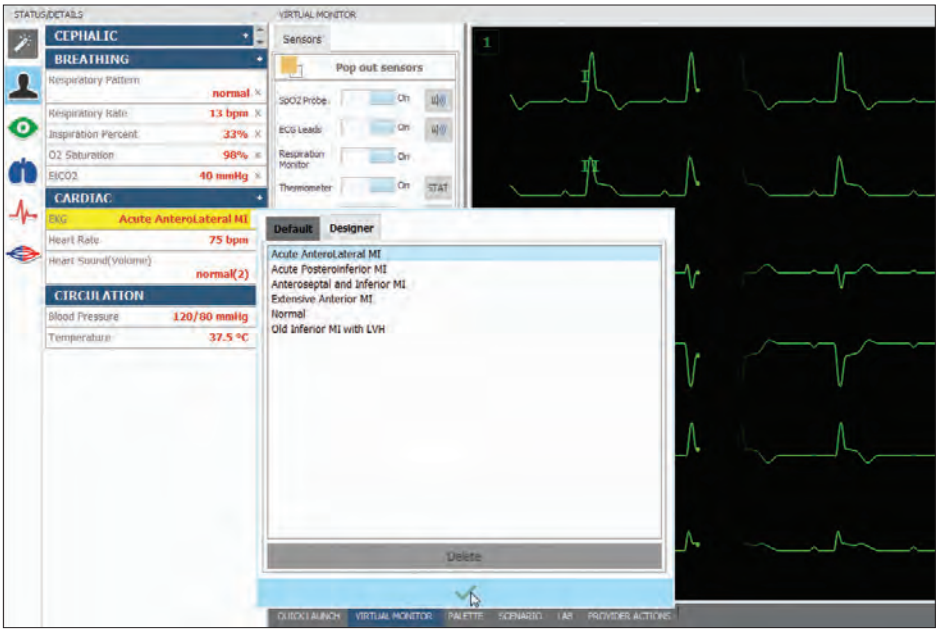
HAL S1020 patient simulator, UNI® Laptop PC, accessories, user guide, and One-Year Limited Warranty. Skin tones available at no extra charge.

Highlights

- Articulating adult HAL full-size body
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Available in different skin tones at no additional charge
- Use your real 12-lead ECG monitor
- Display and interpret HAL's 12-lead ECG
- Improve diagnostic abilities
- ECG library features thousands of cardiac rhythms
- Specify additional 12-lead ECGs using our editing feature
  - » Create and modify waveforms even on a "point-by-point" basis
  - » Editor is accurate; a real ECG monitor will correctly interpret resulting waveform
- Print 12-lead strips from your patient monitor; compare waveforms with those shown on the Details page of the User Interface
- Defibrillate, cardiovert, or pace HAL's dysrhythmia
- Use the integrated MI module to:
  - » Specify occlusions, ischemia, injury, necrosis
  - » Modify infarctions quickly and easily
  - » Resultant dynamic 12-lead ECG quickly generated
  - » Evaluate resultant dysrhythmia
  - » Assess the extent of HAL's cardiac damage



Use the integrated MI module to specify occlusions, ischemia, injury, and necrosis. Modify infarctions quickly and easily, evaluate resultant dysrhythmia, and assess the extent of HAL's cardiac damage



Easily apply preprogrammed and customized rhythms to HAL for participants to interpret and monitor using real equipment

Scan to browse Emergency and ALS simulators

Scan to browse Pediatrics and Newborn Care simulators



Pediatric HAL® S2225

Advanced Pediatric Patient Simulator

- Interactive eyes and active facial expressions
- Dynamic lung compliance with true ventilator support
- Real patient monitor support: SpO_2, EKG, capnography, NIBP, live pacing, and defibrillation
- Surgical airway, needle decompression, and chest tube
- Wireless and tetherless

Meet Pediatric HAL®, the world's most advanced pediatric patient simulator and the first capable of simulating lifelike emotions through dynamic facial expressions, movement, and speech

HAL is designed to help providers of all levels develop the specialized skills needed to effectively communicate, diagnose, and treat young patients in nearly all clinical areas. Introducing lifelike facial expressions and emotions—a revolutionary new level of interaction and richer patient-provider communication.

Through scenario-based learning, HAL can help participants assess verbal and non-verbal cues to build patient-provider communication skills and empathy.

HAL also simulates a variety of common emotional states to better approximate behavior. Simply set HAL's emotional state to lethargic, for example, and the eyelids will droop automatically, head movement will slow, and yawning will occur periodically.

What's more, the powerful UNI® 3 software lets you create your new facial expressions and emotions to expand the scope of the learning experiences. The UNI 3 library includes the following presets to get you started:

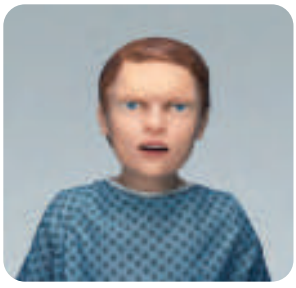
- Anger
- Transient pain
- Ongoing pain
- Amazed
- Quizzical
- Worried
- Anxious
- Crying
- Yawning
- Lethargic



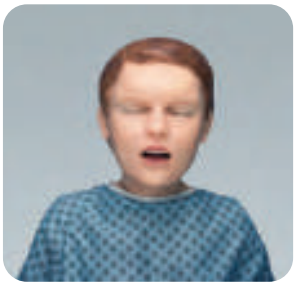
HAL automatically turns head and eyes toward the approaching subject



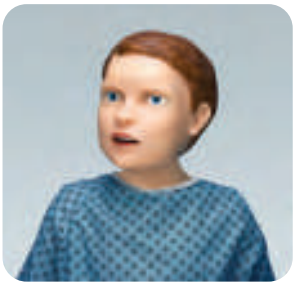
Ongoing pain

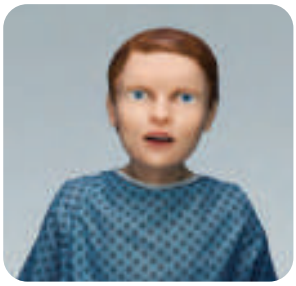


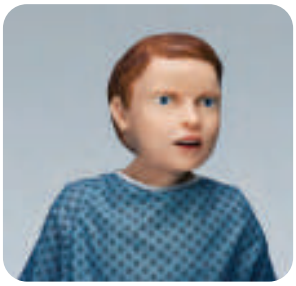
Transient pain



Crying







Horizontal head movement (Active robotics)



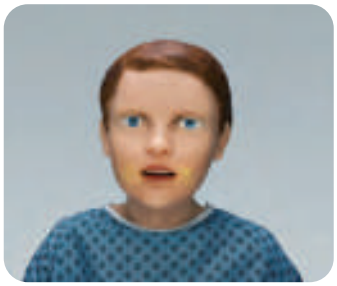
Truly comprehensive pediatric patient assessment exercises

Interactive eyes and color-changing skin allow Pediatric HAL to illustrate signs of varying emotional states, trauma, and many other neurological diseases and conditions.

- Accommodation test: automatic horizontal tracking and manual vertical tracking
- Strabismus: exotropia and esotropia
- Nystagmus: eyeball twitching
- Blepharospasm: eyelid twitching
- Ptosis: eyelid droop
- Realistic idle eye movement
- Independent pupillary light reflex
- Mydriasis: blown pupil
- Anisocoria: unequal pupil sizes
- Programmable blinking rate
- Consensual and nonconsensual pupillary light reflex
- Mild and severe seizures



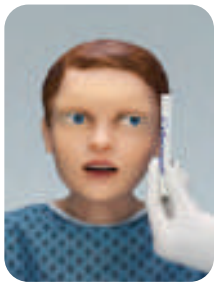
Pallor



Jaundice



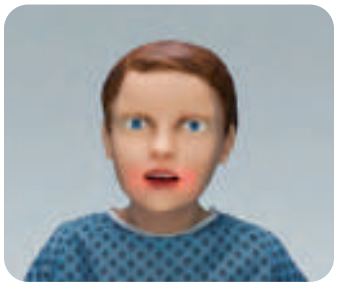




Automatic object tracking



Cyanosis



Redness





- High-fidelity heart, lung, and bowel sounds
- Independent normal/abnormal heart sounds at aortic, pulmonic, and mitral sites
- Anterior and posterior lung sounds
- Spontaneous breathing and selectable normal and abnormal respiratory patterns
- Programmable unilateral chest rise and fall

Practice using real patient monitors, equipment, and sensors

Pediatric HAL supports a broad range of real patient monitors and sensors. This unique capability allows participants to practice setting up and operating equipment just as they would in real situations.

- ECG/EKG monitors
- ECG-derived respiration monitoring support
- Oximeters
- Capnographs
- Defibrillators
- NIBP monitors
- Glucose meters



Real glucose testing via fingerstick





Real-time SpO_2 monitoring





- Palpable pulses: bilateral carotid, brachial, radial, femoral, and pedal
- Bilateral IV access supports sampling and continuous infusion
- Capillary refill time testing
- Blood pressure-dependent pulses
- Urethral catheterization with programmable flow



The next generation in pediatric advanced life support simulation

Thanks to its ultra-high fidelity anatomical and physiological features, Pediatric HAL supports the practice of advanced-level algorithms using real tools and clinically accurate techniques.

- Wireless and tetherless; fully functional during transport
- Anatomically accurate oral cavity and airway
- Surgical airway
- Laryngospasm and tongue edema
- Visible chest rise following guideline-recommended flow, PIP, and PEEP values
- SpO_2 and $EtCO_2$ monitoring
- Anterior/posterior defibrillation
- Real-time CPR feedback and reporting
  - » Compression depth, rate, and interruption duration
  - » Ventilation rate and duration
  - » Smart CPR voice coach
  - » Performance report summary



Tracheal intubation detection



Supraglottic airway device support



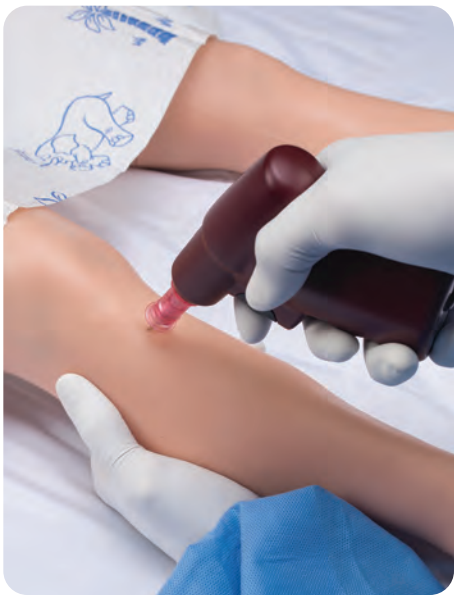
Anterior/posterior defibrillation



Realistic chest recoil



Defibrillation, cardioversion, and pacing using real devices and live energy



Intraosseous infusion

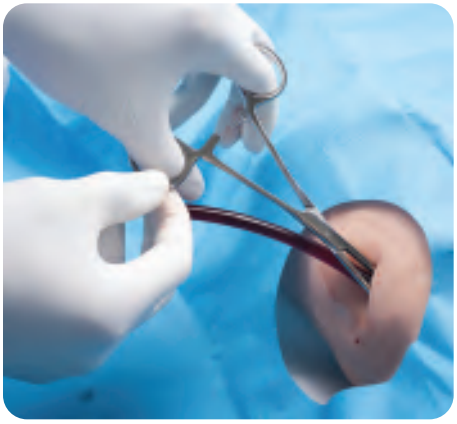


Left-midaxillary hemothorax site

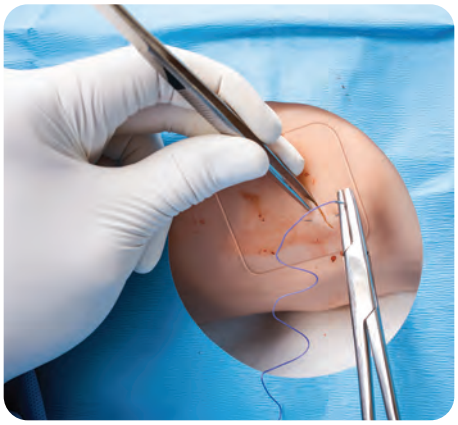
Immersive skills training in emergency intervention and management

Pediatric HAL features surgical sites for needle decompression and chest tube insertion exercises using real instruments.

- Palpable and anatomically accurate bony landmarks
- Realistic skin supports cutting and suturing
- Chest tube site bleeds when cut and releases fluid upon tube insertion
- Tactile pleural "pop"
- Audible hiss during needle decompression
- Needle and chest tube insertion detection and logging



Chest tube insertion



Cutting and suturing



Audible air release "hiss"



- Palpable cricoid cartilage and cricothyroid membrane
- Permits tracheostomy, cricothyrotomy, and retrograde intubation using real instruments
- Supports positive pressure ventilation via surgical airway
- Programmable difficult airway: laryngospasm and tongue edema

True mechanical ventilation support for advanced respiratory care simulation

Pediatric HAL responds to mechanical ventilation support using real equipment just like an actual patient and can simulate the course of respiratory disease through treatment, weaning, and rehabilitation with the highest degree of physiological accuracy. The patented dynamic lung system in Pediatric HAL requires no manual calibration, external intermediary adapters, or setup boxes. Simply connect HAL to the ventilator and tap the UNI 3 controls to change lung functionality on the fly.

- Modes supported include: ACV, SIMV, CPAP, PCV, PSV
- Programmable respiratory patterns
- Supports therapeutic levels of PEEP
- Programmable airway and lung function
- Dynamic lung compliance
- Bilateral bronchi resistance
- Respiratory effort triggers ventilator during weaning
- No manual calibration, external intermediary adapters, or setup boxes required



Scan to browse Pediatrics and Newborn Care simulators



Includes the Pediatric HAL® Simulation Learning Experiences™ scenario package

The Pediatric HAL Simulation Learning Experiences (SLEs) package provides you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

1. Acute Lymphocytic Leukemia (ALL)
2. Appendicitis
3. Post-Op Cardiac Transplant
4. Potential Organophosphate Poisoning
5. Respiratory Syncytial Virus (RSV)
6. Sepsis In A Six-Year-Old
7. Seizure Management
8. Status Asthmaticus
9. Trauma Related To Child Abuse
10. Four-Year-Old With Trauma

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Provider evaluation

Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.



Patient profiles

Create simulated patients with detailed active and past medical histories.

User management

Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results

Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.

Features

General
- Height: 44 inches
- Tetherless and wireless; fully responsive during transport[1]
- The internal rechargeable battery provides hours of tetherless operation[2]
- Smooth and supple full-body skin with seamless trunk and limb joints
- Realistic joint articulation: neck, shoulder, elbow, hip, and knee
- Palpable bony landmarks
- Forearm pronation and supination
- Supports common patient positions including Fowler's, supine, and sitting
- Male/female patient conversion
- Tablet PC preloaded with UNI 3 included
- Includes 10 preprogrammed SLEs and facilitator's guidebook

Neurological
- Active robotics simulate lifelike facial expressions including:
  - » Anger
  - » Transient pain
  - » Ongoing pain
  - » Amazement
  - » Quizzical
  - » Crying
  - » Yawning
- Preprogrammed emotional states automatically express associated verbal and non-verbal cues without manual input
  - » Worried
  - » Anxious
  - » Lethargic
  - » Distracted
- Create custom facial expressions via UNI 3 interface
- Programmable jaw movement, bilateral or unilateral brow movement, and horizontal neck rotation
- Automatically turns head and eyes towards the approaching subject
- Stiff neck (torticollis)
- Interactive eyes: eyes can automatically follow a moving object
- Programmable blinking rate, pupil response, and bilateral and unilateral eye movement
- Independent, active pupillary light reflex
- Abnormal eye and eyelid movements: cross-eyed, nystagmus, eyelid twitching, eyelid droop
- Programmable crying/ tears release real fluid
- Wireless streaming voice: be the voice of HAL and listen to participants respond in real-time
- Real-time voice modulation effects
- Automatic jaw movement synchronized with speech
- Seizures with selectable intensity levels
- 50+ prerecorded speech responses

Airway
- Anatomically accurate oral cavity and airway
- Supports nasotracheal/orotracheal intubation with standard instruments, including endotracheal tubes and supraglottic airway devices
- Tracheal intubation detection
- Head-tilt, chin-lift, jaw-thrust
- Supports esophageal intubation
- NG/OG tube placement
- Supports bag-valve-mask ventilation
- Realistic surgical trachea permits tracheostomy, cricothyrotomy, and retrograde intubation
- Programmable difficult airway: laryngospasm and tongue edema
- Selectable normal and abnormal upper airway sounds

Breathing
- Spontaneous breathing and selectable normal and abnormal respiratory patterns
- Variable respiratory rates and inspiratory/expiratory ratios
- Programmable unilateral chest rise and fall
- Automatic unilateral chest rise with right mainstem intubation
- Real CO_2 exhalation: supports $etCO_2$ monitoring using real sensors and monitoring devices
- Selectable normal and abnormal sounds: upper right, front and back; upper left, front and back; lower right, back; and lower left, back
- Real mechanical ventilation support
  - » AC, SIMV, CPAP, PCV, PSV, and more
  - » Supports therapeutic levels of PEEP
  - » Programmable variable lung compliance
  - » Variable bronchi resistance
  - » Programmable respiratory efforts for weaning/liberation
- Real-time ventilation feedback
- Visible chest rise during PPV ventilation
- Chest tube insertion: left midaxillary hemothorax site features palpable bony landmarks, realistic skin for cutting and suturing, tactile pleural pop, and fluid drain
- Needle decompression site features realistic tactile feedback and audible hiss
- Needle decompression and chest tube insertion detection and logging

Cardiac
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Independent normal/abnormal heart sounds at aortic, pulmonic, and mitral sites
- Supports ECG monitoring using real devices
- Supports ECG-derived respiration monitoring (EDR)
- Real-time CPR monitoring and feedback
  - » Time to CPR
  - » Compression depth/rate
  - » Compression interruptions
  - » Ventilation rate
  - » Excessive ventilation
  - » Smart CPR voice coach
- Effective chest compressions generate palpable carotid pulses
- Defibrillate, cardiovert, and pace using real devices and energy
- Anterior/posterior defibrillation sites
- Supports double sequential external defibrillation (DSED)

Circulatory
- Visible cyanosis, redness, pallor, and jaundice
- Supports capillary refill time testing above the right knee; test detection and logging
- Palpable pulses: bilateral carotid, brachial, radial, femoral, and pedal
- Blood pressure-dependent pulses
- Supports blood pressure monitoring using a real NIBP cuff and monitor
- SpO_2 monitoring using real devices

Vascular Access
- Bilateral forearm IV access supports sampling and continuous infusion
- Intraosseous infusion site at right proximal tibia
- Real glucose test readings via fingerstick

Gastrointestinal
- Patent esophagus
- Gastric distension during excessive PPV
- Bowel sounds in four quadrants
- Interchangeable male/female genitalia
- Supports urinary catheterization with fluid return
- Programmable active urinary elimination

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

Pediatric HAL® S2225

S2225.PK

- Pediatric HAL S2225
- Tablet PC preloaded with UNI 3
- UNI 3 Software with Lifetime License
- Pediatric HAL Simulation Learning Experiences scenario package
- RF module
- Battery charger
- Accessories
- Rolling transport case
- User guide
- One-Year Limited Warranty
- 2, 3, & 5-year service plans available
- Patent; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Bedside, customizable virtual patient monitor simulates 20+ dynamic numerical parameters and waveforms. Preconfigured on an all-in-one PC.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable, customizable virtual patient monitor simulates 20+ dynamic numerical parameters and waveforms. Preconfigured on a portable tablet PC.

Care in Motion™ Mobile Video-assisted debriefing system

CIM.PK

- Care in Motion Tablet PC
- 3 Battery-powered HD wireless cameras
- 3 Adjustable camera grips
- Transport case
- One-Year Limited Warranty
- Extended service plans available



Gaumard Ultrasound™ Emergency ultrasound simulation training made immersive

Gaumard Ultrasound is a high-fidelity, portable ultrasound simulator specifically designed to immerse learners in realistic scenario-based exercises and aid the development of clinical skills transferable to the real world.

True-to-life ultrasound imaging

Gaumard Ultrasound simulates the function, look, and feel of a real, portable ultrasound machine. Transducer range of motion is natural, and imaging is true to life.

Unmatched scenario realism

Together with Pediatric HAL® S2225, Gaumard Ultrasound offers learners simulation experiences never before possible. Go beyond the skills lab and prepare learners for the real world through immersive, simulated patient encounters.

Comprehensive scenario content

The new Pediatric Emergency POCUS/eFAST module provides you with the scenario content to simplify curriculum integration and optimize training opportunities for participants of all levels.

Gaumard Ultrasound™ System

30081159A

Package includes Gaumard Ultrasound laptop, transducer, Gaumard Ultrasound software license, and transport case.

Pediatric Emergency Ultrasound POCUS/eFAST Scenario Module

30081204A

Pediatric HAL® S2225 Emergency Ultrasound POCUS/eFAST Scenario Module for Gaumard Ultrasound™. Package includes: (14) ultrasound cases, (6) Simulation Learning Experiences (SLE) scenarios, and a SLE Facilitator's Guidebook.

Ultrasound case list:

1. Healthy
2. Left Pneumothorax
3. Left Hemothorax
4. Right Pneumothorax
5. Right Hemothorax
6. Splenic Hematoma
7. Splenic Rupture with Blood in Rectovesical Pouch
8. Liver Laceration
9. Pericardial Effusion
10. Pneumoperitoneum
11. Appendicitis
12. Bladder Rupture
13. Left Hemo-pneumothorax
14. Right Hemo-pneumothorax

Scan to browse Pediatrics and Newborn Care simulators



Pediatric HAL® S3005

Five-Year-Old Pediatric Simulator

- Simulation Made Easy®
- Tetherless with wireless communications
- Fully responsive, even during transport
- On-the-fly or scenario-based control
- Includes Pediatric HAL® Simulation Learning Experiences™ scenario package

Deliver high-quality pediatric simulation-based training with Pediatric HAL®

From nursing to emergency care, Pediatric HAL allows you to train teamwork and patient care skills through hands-on exercises. Pediatric HAL is wireless and tetherless and remains fully functional while being moved from place to place.



Realistic airway

Supports oral and nasal endotracheal intubation and features a tracheostomy site for care exercises.



Airway and breathing

Programmable chest rise and respiratory patterns.



Real-time CPR feedback

Realistic chest recoil, visible chest rise with PPV, and variable central cyanosis.



Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones.



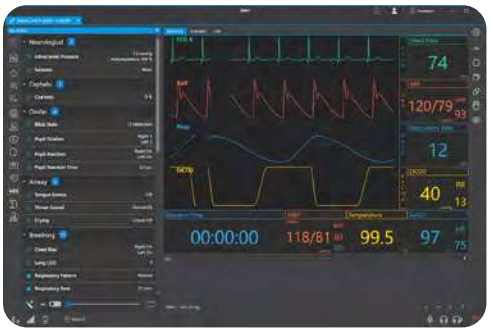
Supports real monitors

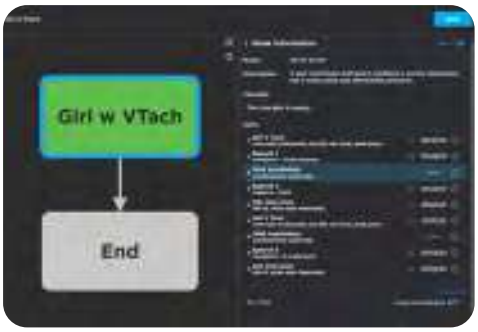
Monitor BP and ECG. Pace and defibrillate using live energy. Detects placement of real pulse oximeter.



IV Access

Supports bolus, infusion, and sampling.





Elevate your training with the all-new UNI® 3

Unified control platform
UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls
Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer
Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Real-time CPR feedback
Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Provider evaluation
Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log
Automated event tracking ensures important events are always captured so you can focus on the action.

Patient profiles
Create simulated patients with detailed active and past medical histories.

User management
Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results
Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

Preconfigured and ready
UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training
Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.



Includes the Pediatric HAL® Simulation Learning Experiences™ scenario package

The Pediatric HAL Simulation Learning Experiences (SLEs) package provides you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

1. Acute Lymphocytic Leukemia
2. Appendicitis
3. Post-Op Cardiac Transplant
4. Potential Organophosphate Poisoning
5. Respiratory Syncytial Virus (RSV)
6. Sepsis in a Six-Year-Old
7. Seizure Management
8. Status Asthmaticus
9. Trauma Related to Child Abuse
10. Five-Year-Old with Trauma

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Features

General
- Simulation Learning Experiences™ scenario package
- Physical size of a five-year-old child
- Tetherless and wireless; fully responsive during transport[1]
- Supports common patient positions including Fowler's, supine, and sitting
- Internal rechargeable battery provides up to 3 hours of tetherless operation[2]
- Available in light, medium, or dark skin tones at no extra charge
- Programmable blinking rate
- Independent, active pupillary light reflex
- Seizures with selectable intensities

Airway
- Wireless streaming voice option
- 50+ prerecorded speech responses
- Anatomically accurate oral cavity and airway
- Programmable normal and abnormal airway sounds synchronized with respiration
- Programmable crying included with streaming voice option
- Oral and nasal endotracheal intubation
- Supports NG/OG tube placement (dry exercises only)
- Programmable tongue edema
- Tracheostomy care site; tracheal suctioning (dry exercises only)
- Tracheal intubation depth detection and logging

Breathing
- Visible chest rise with positive pressure ventilation
- Ventilations are measured and logged in real-time
- Spontaneous breathing with selectable respiratory patterns
- Programmable respiratory rate and inspiratory: expiratory ratio
- Programmable unilateral chest rise and fall
- Real CO_2 exhalation option[3]
- Selectable normal and abnormal lung sounds
- Bilateral anterior lung sounds
- Posterior lung sounds
- Unilateral chest rise with right mainstem intubation

Circulation
- Real-time CPR performance monitoring and training
- Chest compressions generate palpable pulses
- Programmable heart rate and healthy and abnormal heart sounds
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring with real devices
- Defibrillation, cardioversion, and pacing using real devices and live energy
- Anterior/posterior defibrillation sites available as an option[3]
- Central cyanosis with variable intensities
- Detects placement of real pulse oximetry devices
- Bilateral palpable: pulses carotid, brachial, radial, and femoral
- Blood pressure can be measured with BP cuff via auscultation and palpation
- Realistic Korotkoff sounds
- Bilateral IV access: bolus, infusion, and sampling
- Intraosseous access proximal in the tibia

Other
- Gastric distension with excessive BVM ventilation or esophageal intubation
- Selectable normal and abnormal bowel sounds
- Urinary catheterization with fluid return
- Interchangeable female and male genitalia

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

3. Option available only at the time of order.

Pediatric HAL® S3005

S3005.PK

S3005 Pediatric HAL, tablet PC with UNI® 3 software, SLE courseware package, RF communications module, Bluetooth communications module, battery charger, accessories, carrying case, user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Wireless streaming audio[3]

S3005.300

Add pre-recorded crying or be the voice of Pediatric HAL and increase realism during simulated patient-provider interactions.

CO_2 exhalation regulator

S3005.078

Real and measurable $EtCO_2$ with 10 programmable levels of CO_2 output.

Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

Pediatric HAL® S3004

One-Year-Old Pediatric Simulator

- Simulation Made Easy®
- Tetherless with wireless communication
- Fully responsive even while being carried
- Comprehensive performance feedback
- Includes Pediatric HAL Simulation Learning Experiences™ scenario package



Scan to browse Pediatrics and Newborn Care simulators

Meet Pediatric HAL®, a toddler-sized high-fidelity simulator

Pediatric HAL is a high-fidelity toddler patient simulator specifically designed to meet the needs of pediatric care training programs. Pediatric HAL can help your team improve teamwork and patient care through scenario-based training.



Wireless and tetherless

Transitions between physiologic states in response to commands from a wireless tablet PC.



Active eyes

HAL has blinking eyes with photosensitive pupils. Dilation, reactivity, and blink rate can be controlled by the instructor.



Defibrillate, cardiovert, and pace

HAL's electrically conductive skin sites allow the use of real equipment to monitor ECG, pace, cardiovert, and defibrillate with live energy.



Airway and breathing

Improved airway allows better visualization of vocal cords and easy intubation.



Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones.

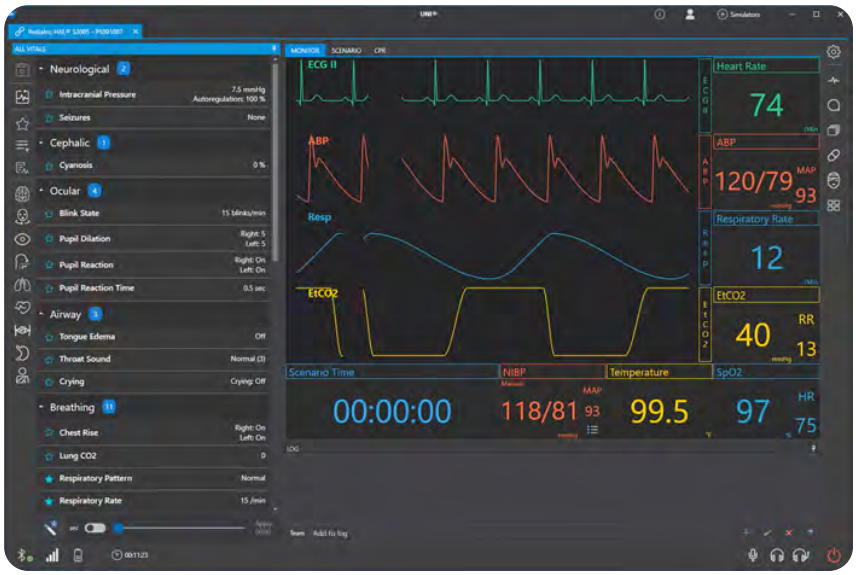


Cyanosis

Color and vital signs respond to hypoxic events and interventions.

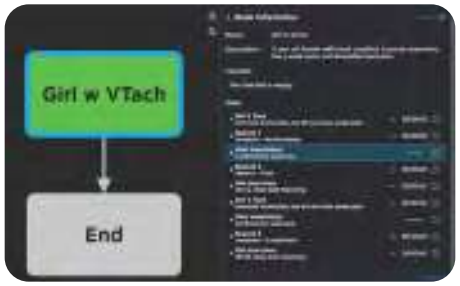
Elevate your training with the all-new UNI® 3

- Adjust vitals on-the-fly or automate changes using the included scenarios
- UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate your different Gaumard models
- Create your own custom scenarios tailored to your learning objectives
- Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports
- Automated event tracking ensures important events are always captured so you can focus on the action
- UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator

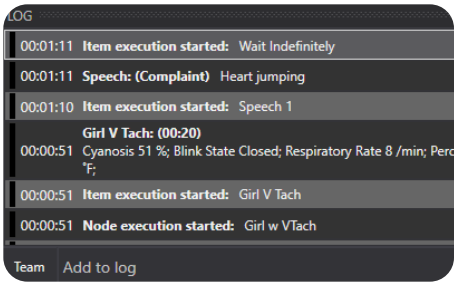




Hypoxic model responds to care provider actions



Scenarios link physiologic states



Track the actions of up to six care providers



Includes the Pediatric HAL® Simulation Learning Experiences™ scenario package

The Pediatric HAL Simulation Learning Experiences (SLEs) package provides you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

1. Appendicitis
2. Acute Lymphocytic Leukemia
3. Organophosphate Poisoning
4. Post-Op Cardiac Transplant
5. Respiratory Syncytial Virus (RSV)
6. Seizure Management
7. Sepsis
8. Status Asthmaticus
9. Trauma
10. Trauma Related to Child Abuse

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Features

General
- Physical size of a one-year-old child
- Supports common patient positions including Fowler's, supine, and sitting
- Joint range of motion
- Tetherless and wireless; fully responsive during transport[1]
- Internal rechargeable battery provides up to 3 hours of tetherless operation[2]
- Available in light, medium, or dark skin tones at no extra charge
- Programmable blinking rate
- Active pupillary light reflex
- Seizures with selectable intensities

Airway
- Wireless streaming voice option
- 50+ prerecorded speech responses
- Anatomically accurate oral cavity and airway
- Airway sounds
- Programmable crying included with streaming voice option
- Oral and nasal endotracheal intubation
- Supports NG/OG tube placement (dry exercises only)
- Tongue edema
- Tracheostomy care site; tracheal suctioning (dry exercises only)
- Tracheal intubation depth detection and logging

Breathing
- Visible chest rise with positive pressure ventilation
- Ventilations are measured and logged in real-time
- Spontaneous breathing with selectable respiratory patterns
- Programmable respiratory rate and inspiratory: expiratory ratio
- Programmable unilateral chest rise and fall
- Real CO_2 exhalation option[3]
- Selectable normal and abnormal lung sounds
- Bilateral anterior lung sounds
- Unilateral chest rise with right mainstem intubation

Circulation
- Real-time CPR performance monitoring and training
- Chest compressions generate palpable pulses
- Programmable normal and abnormal heart sounds synchronized with ECG
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring with real devices
- Defibrillation, cardioversion, and pacing using real devices and live energy
- Central cyanosis with variable intensities
- Detects placement of real pulse oximetry devices
- Palpable bilateral pulses (automatic): carotid, brachial, radial, and femoral pulses
- BP measurement by auscultation using a sphygmomanometer
- Realistic Korotkoff sounds
- Bilateral IV access: bolus, infusion, and sampling
- Intraosseous access in the proximal tibia

Other
- Selectable normal and abnormal bowel sounds
- Urinary catheterization with fluid return
- Interchangeable female and male genitalia

1. Maximum wireless range will vary depending on environmental factors and conditions.
2. Battery life estimates are dependent on active features and settings; results may vary.
3. Option available only at the time of order.

Pediatric HAL® S3004

S3004.PK

S3004 Pediatric HAL, tablet PC with UNI® 3 software, SLE scenario package, RF communications module, Bluetooth communications module, battery charger, accessories, carrying case, user guide. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Wireless streaming audio[3]

S3004.300

Add pre-recorded crying or be the voice of Pediatric HAL and increase realism during simulated patient-provider interactions.

CO_2 exhalation regulator[3]

S3004.078

Real and measurable $EtCO_2$ with 10 programmable levels of CO_2 output.

Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

Scan to browse Pediatrics and Newborn Care simulators

Scan to browse Pediatrics and Newborn Care simulators



PEDIATRIC 5 YEAR

Nursing Care and ALS

PEDI® simulators include an airway, an injection training arm, an intraosseous injection leg, and appropriate arterial/venous simulation. These manikins are another must for a well-equipped training program.

A perfect combination of nursing and emergency features

The MIKE® and MICHELLE® five-year-old is a sophisticated pediatric simulator for training in standard and advanced clinical procedures.

Five-Year-Old Multipurpose Patient with OMNI® 2

S157.250.PK

Five-Year-Old Multipurpose Patient

S157.PK

MIKE® & MICHELLE® Five Year PEDI® with OMNI® 2

S155.250.PK

MIKE® & MICHELLE® 5 Year PEDI®

S155.PK

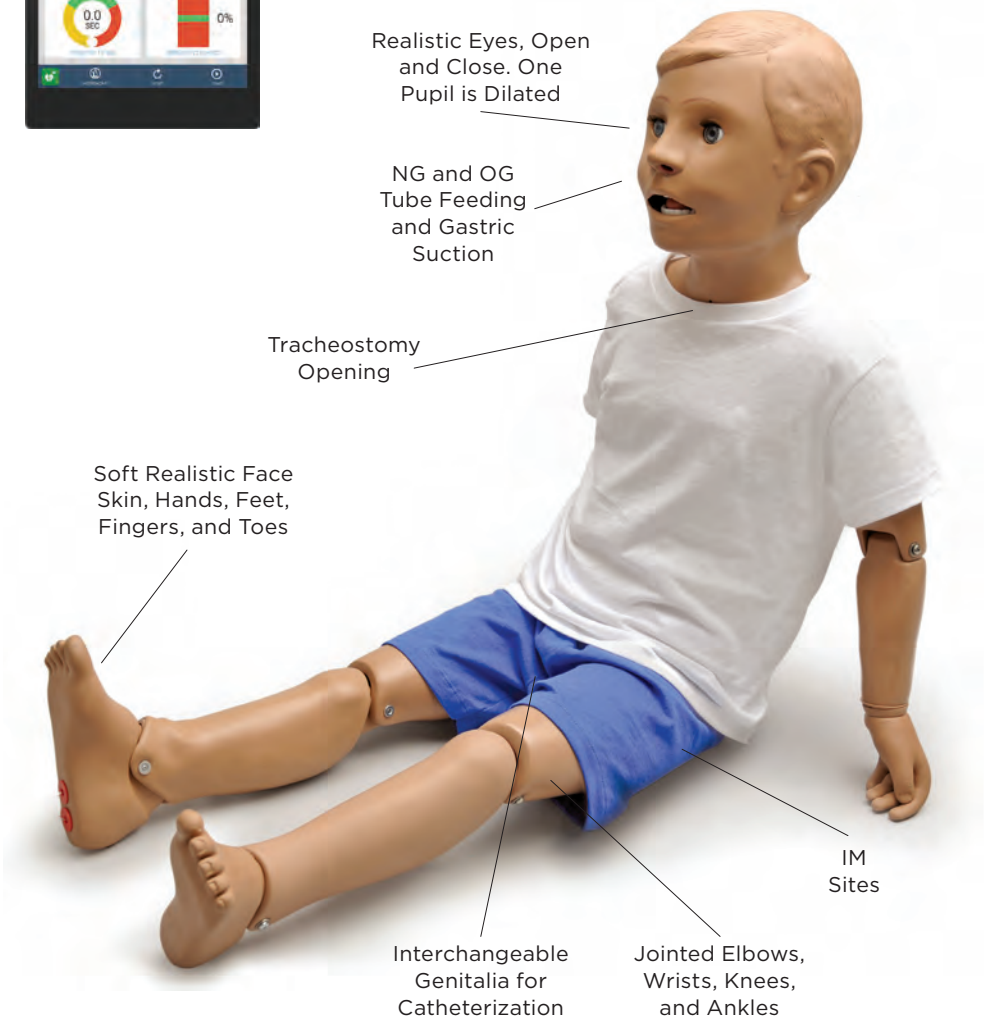
MIKE® & MICHELLE® Basic

S150.PK



OMNI® 2 Real-time CPR feedback

- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing





Fully articulating

Articulating head, neck, and jaw permits head-tilt/chin-lift, jaw-thrust, and neck extension into the “sniffing” position.



Intubatable airway

Anatomically accurate airway with cricoid cartilage permitting intubation, suctioning, and the Sellick maneuver.



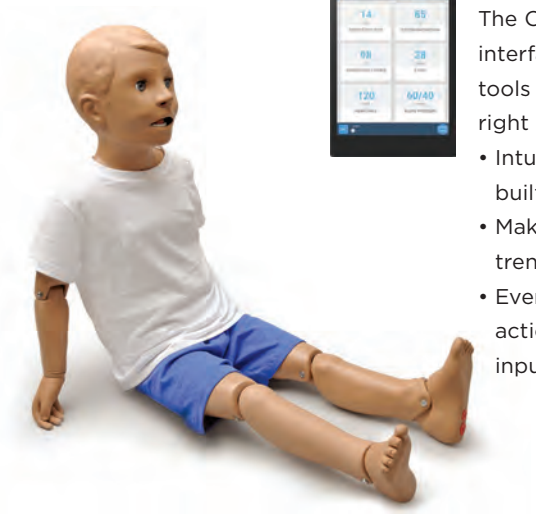
Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones. Allows infusion of fluids, blood, and/or drugs directly into the bone marrow of the tibia.

Features	S157.250	S157	S155.250	S155	S150
Full-body patient with soft, lifelike face skin and molded hair	●	●	●	●	●
Eyes can be closed or opened manually: realistic eye sockets	●	●	●	●	●
Head-tilt/Chin-lift	●	●	●	●	●
Endotracheal intubation	●	●	●	●	-
Oral/Nasal nasogastric intubation	●	●	●	●	●
Tongue, teeth, and realistic airway	●	●	●	●	-
Intraosseous infusion	●	●	●	●	○
IV training arm	●	●	●	●	○
Femoral vein	●	●	●	●	-
Manual palpable pulses	●	●	●	●	-
Carotid, femoral, brachial	●	●	●	●	-
Stomas for ileostomy, colostomy, and suprapubic exercises	●	●	-	-	○
Interchangeable genitalia	●	●	-	-	●
Male and female catheterization	●	●	-	-	●
BVM with realistic chest rise	●	●	●	●	-
CPR anatomical landmarks	●	●	●	●	-
Chest compressions and ventilations are measured and logged	●	○	●	○	-
Tracheostomy care	●	●	-	-	●
Lavage/gavage	●	●	●	●	○
G-tube placement	●	●	-	-	○
Enema administration	●	●	-	-	●
Placement of rectal suppositories	●	●	-	-	-
Intramuscular injection sites	●	●	●	●	●
Simulated ear canal	●	●	●	●	●
Practice gastric suctioning exercises	●	●	●	●	●
Articulating head, jaw, arm, and legs	●	●	●	●	●
Detachable at waist for easy storage	●	●	●	●	●
Carrying bag and user guide	●	●	●	●	●


Skin tone options available at no extra charge

● Standard ○ Optional Add-On/Accessory





OMNI® 2 wireless control interface

The OMNI 2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, changes in vital signs, and input notes to support debriefing



OMNI® 2 Real-time CPR feedback

- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing

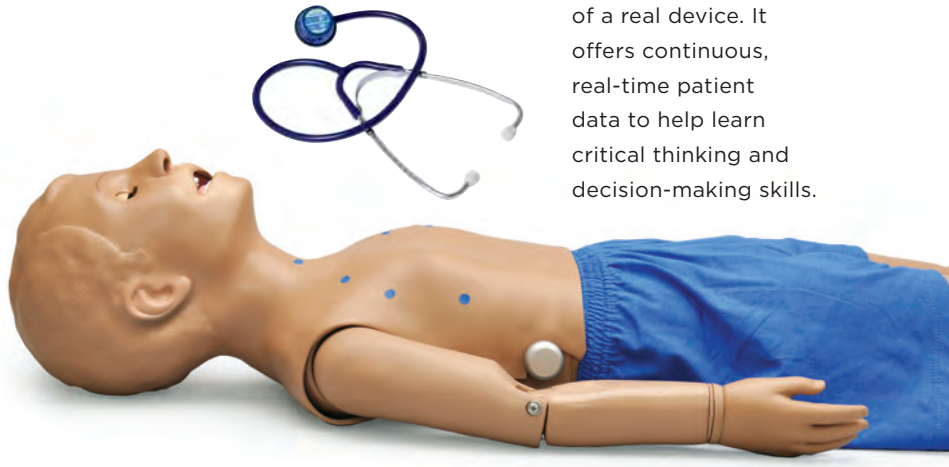


OMNI® virtual patient monitor support

The Gaumard® virtual patient monitor for OMNI 2 simulates the look and function of a real device. It offers continuous, real-time patient data to help learn critical thinking and decision-making skills.

Heart and lung sounds kit with smart stethoscope upgrade

- Convenient torso overlay with sensor network hidden beneath the skin
- Hear the appropriate heart and lung sounds as the stethoscope bell is moved across the front & back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope so a classroom can hear what the student hears



Models, Options, and Accessories

Model	S157.250.PK	S157.PK	S155.250.PK	S155.PK	S150.PK
Options					
OMNI® interface with real-time CPR feedback	OMNI® 2 Included	OMNI® 1 S157.184	OMNI® 2 Included	OMNI® 1 S155.184	-
Subclavian access	-		-		S150.707
IV training Arm	Included		Included		S150.803R.IV
IO Leg	Included		Included		S150.702
External Stoma Sites	Included		Included		S150.703
Chest decompression and drainage	-		-		S150.711
Heart and Lung Sounds Kit	S157.848		S155.848		S150.848

Skin tone options available at no extra charge

PEDIATRIC 1 YEAR

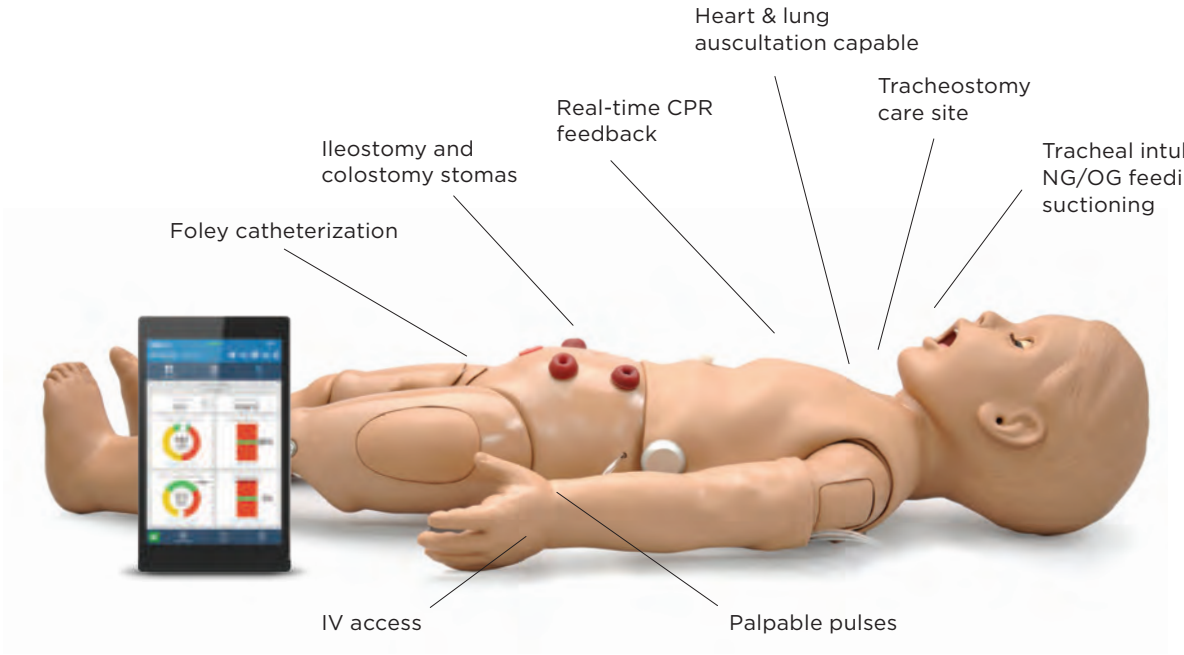
Nursing Care and ALS



Scan to browse Pediatrics and Newborn Care simulators

Toddler nursing and emergency care simulation made easy

The MIKE® and MICHELLE® simulators are perfect for nursing and emergency care skills training. Practice basic and advanced skills, including catheterization, tracheostomy care, intubation, IV therapy, and more.



One Year Multipurpose Patient

One Year Patient Simulator with OMNI® 2

S117.250.PK

One Year Patient Simulator

S117.PK

One Year PEDI® Simulator

Pediatric Care Simulator with OMNI® 2

S115.250.PK

Pediatric Care Simulator

S115.PK

Pediatric Care Simulator

S110.PK



Features	S117.250 S117	S115.250 S115	S110
Full-body patient with soft, lifelike face skin and molded hair	●	●	●
Eyes can be closed or opened manually; realistic eye sockets	●	●	●
Head-tilt/Chin-lift	●	●	●
Oral/Nasal endotracheal intubation	●	●	–
Oral/Nasal nasogastric intubation	●	●	●
Tongue and teeth	●	●	–
Intraosseous infusion	●	●	o
IV training arm	●	●	o
Femoral vein	●	●	–
Manual palpable pulses	●	●	–
Radial	●	o	–
Femoral and brachial	●	●	–
Popliteal	●	–	–
Stomas for ileostomy, colostomy, and suprapubic exercises	●	–	o
Interchangeable genitalia	●	–	●
Male and female catheterization	●	–	●
BVM with realistic chest rise	●	●	–
CPR anatomical landmarks	●	●	–
Tracheostomy care	●	–	●
Lavage/gavage	●	●	●
G-tube placement	●	–	●
Enema administration	●	–	●
Placement of rectal suppositories	●	–	–
Intramuscular injection sites	●	●	●
Simulated ear canal	●	●	●
Practice gastric suctioning exercises	●	●	●
Articulating head, arms, and legs	●	●	●
Realistic hands, feet, fingers, toes	●	●	●
Soft carrying bag & user guide	●	●	●

Scan to browse Pediatrics and Newborn Care simulators

Skin tone options available at no extra charge

● Standard o Optional Add-On/Accessory

OMNI® 2 Wireless Control Interface



- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing

Heart and lung sounds kit with smart stethoscope upgrade

- Convenient torso overlay with sensor network hidden beneath the skin
- Hear the appropriate heart and lung sounds as the stethoscope bell is moved across the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope so a classroom can hear what the student hears



Pediatric One-Year-Old - S117

Models, Options, and Accessories

Model	S117.250.PK	S117.PK	S115.250.PK	S115.PK	S110.PK
Options and accessories					
Real-time CPR feedback interface	OMNI® 2 Included	OMNI® 1 S117.184	OMNI® 2 Included	OMNI® 1 S115.184	-
IV training arm	Included	Included	Included	Included	30031385B
IO leg	Included	Included	Included	Included	S110.702
External stoma sites	Included		-	-	S110.703
Chest decompression and drainage	S117.711		-	-	S110.711
Heart and Lung Sounds Kit	S117.848		S115.848		S110.848

Skin tone options available at no extra charge

Scan to browse Pediatrics and Newborn Care simulators



Super TORY® S2220

Wireless and Tetherless Neonate Simulator

- Active robotics: programmable movement of the limbs, mouth, and eyes
- Dynamic lung compliance with true ventilator support
- Supports real patient monitors and sensors
- Multiple vascular access sites for infusion and sampling
- Wireless and tetherless
- Includes Neonatal Care Simulation Learning Experiences™ scenarios

Active limb motion, true ventilator support, real monitoring, and mobile

These are just a few of the innovative new features that allow Super TORY® to simulate complex pathologies and respond to interventions with unparalleled realism.

- Full-term newborn: 8 lbs. 21 in.
- Wireless and tetherless*
- Crying and grunting
- Programmable movement
  - » Blinking rate, eyes opened/closed
  - » Mouth: gasping and clenching
  - » Arm, leg, and wrist flexion and extension
  - » Seizures: single limb, unilateral, or full-body movement
- Programmable dynamic lung compliance
- Heart and lung sounds
- Palpable pulses
- Includes 10 Simulation Learning Experiences™ scenarios



UNI® 3 Interface powered by Microsoft® Surface





Cyanosis, jaundice, pink, and pallor



Pulses: fontanel, brachial, umbilical, and femoral



Neonatal resuscitation and stabilization



Real mechanical ventilator and patient monitor support



Internal and external critical care transport

True-to-life neonatal resuscitation and stabilization scenarios

Super TORY® introduces a new level of anatomical and physiological fidelity that allows participants to rehearse advanced-level algorithms without compromising technique or clinical guidelines.

- Anatomically accurate oral cavity and airway
- Intubation depth and neck hyperextension/flexion detection
- Visible chest rise following guideline-recommended flow, PIP, and PEEP values
- SpO_2 and $EtCO_2$ monitoring using real sensors
- Real-time CPR feedback and reporting
  - » Compression depth, rate, and interruption duration
  - » Ventilation rate and duration
  - » Smart CPR voice coach
  - » Performance report summary
- Defibrillate, cardiovert, and pace using real devices and live energy
- Multiple vascular access sites







Anatomically accurate airway



Hand and scalp IV, tibial IO



Continuous UAC/UVC infusion



Pre- and post-ductal SpO_2

Train handoffs and transport in real environments

Transport, handoffs, NICU evac drills, and more. Super TORY remains fully functional in transit thanks to its extra-long battery life and proven wireless technology.

- Wireless control
- Internal rechargeable battery provides up to 8 hrs. of tetherless operation*



*Battery life estimates dependent on active features and settings; results may vary.

Scan to browse Pediatrics and Newborn Care simulators

A leap in NICU simulation, true ventilator support, and much more

The breakthrough respiratory system design in Super TORY® accurately responds to mechanical ventilation support like a real newborn while making it possible to adjust pulmonary function on the fly. Simply tap the UNI® controls to decrease lung compliance and see the change from uniform chest rise, visible with as little as 15 cmH_2O, to the high recoil associated with stiff lungs. These advanced features allow Super TORY to simulate the course of respiratory disease through treatment, weaning, and rehabilitation with the highest degree of physiological accuracy.

- Modes supported include: ACV, SIMV, CPAP, PCV, PSV, NIPPV
- Programmable respiratory patterns, retractions, "see-saw" breathing, and abdominal distension
- Supports therapeutic levels of PEEP
- Programmable airway and lung function
- Dynamic lung compliance
  - » Bilateral bronchi resistance
  - » Respiratory effort triggers ventilator during weaning



Sunken, bulging, and normal



Capillary refill time testing



Programmable retractions, "see-saw" breathing



Bilateral pneumothorax sites

Train using real patient monitors and sensors

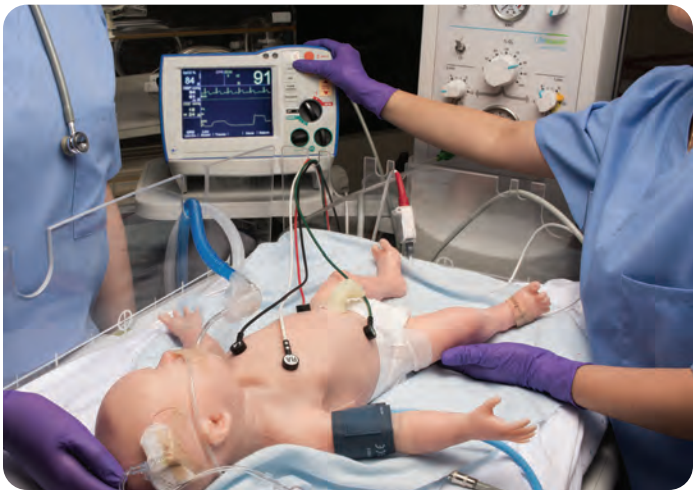
Super TORY was developed for in-situ training. Real patient monitoring support allows participants to set up and operate real equipment, interpret real-time data, and follow protocols just as they would in real situations.

- ECG monitoring
- ECG-derived respiration monitoring
- Pre- and post-ductal SpO_2 monitoring
- Oscillometric NIBP
- Live pacing and defibrillation
- Capnography



Bilateral midaxillary surgical sites for needle decompression and chest tube insertion exercises

- Palpable bony landmarks
- Realistic skin supports cutting and suturing
- Sites bleed when cut and release fluid upon tube insertion
- Tactile pleural "pop"



Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Provider evaluation

Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.



Patient profiles

Create simulated patients with detailed active and past medical histories.

User management

Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results

Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.



Includes the Super TORY® scenario package

The Super TORY Neonatal Care Simulation Learning Experiences (SLEs) scenario package provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Acute Respiratory Distress Syndrome
- Bronchopulmonary Dysplasia with Pulmonary Hypertension
- Diaphragmatic Hernia
- Drug-Exposed Infant/Neonatal Abstinence Syndrome
- Early-Onset Sepsis
- Hyperbilirubinemia
- Late-Onset Sepsis
- Nuchal Cord
- Pneumonia
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Features

General
- Age: Full-term newborn
- Weight: 8 lbs., Length: 21 in.
- Tetherless and wireless, fully responsive during transport[1]
- Internal rechargeable battery provides up to 8 hrs. of tetherless operation[2]
- Smooth and supple full-body skin with seamless trunk and limb joints
- Programmable movements: blinking, mouth opening and closing, arm and leg flexion and extension
- Realistic joint articulation: neck, shoulder, elbow, hip, and knee
- Forearm pronation and supination
- Lifelike umbilicus and post cord detachment navel
- Palpable bony landmarks
- Near-silent operation
- VICTORIA® Fetus-Newborn wireless link capability
- Tablet PC preloaded with UNI® included
- Mouth movement
- Blinking eyes
- Seizures/convulsions
- Programmable muscle tone: active, reduced, and limp

Airway
- Anatomically accurate oral cavity and airway
- Nasotracheal/orotracheal intubation (ETT, laryngeal airway)
- Head-tilt, chin-lift, jaw-thrust
- Supports esophageal intubation
- NG/OG tube placement
- Bag-valve-mask ventilation support
- Neck hyperextension and flexion airway obstruction with event capture and logging
- Intubation depth detection and software event log

Breathing
- Programmable spontaneous breathing
- Variable respiratory rates and inspiratory: expiratory ratios
- Programmable unilateral chest rise and fall
- Lung sounds synchronized with respiratory rate
- Programmable retractions, "see-saw" breathing
- Mechanical ventilation support
  - » A/C, SIMV, CPAP, PCV, PSV, NIPPV
  - » Supports PEEP (up to 20 cmH_2O)
  - » Dynamic airway and lung controls
  - » Variable lung compliance
  - » Bilateral bronchi resistance
- Programmable respiratory efforts for weaning/liberation
- Unilateral chest rise with right mainstem intubation (automatic detection and logging)
- Real-time ventilation feedback
- Bilateral midaxillary pneumothorax sites support needle decompression and chest tube insertion
- Pneumothorax sites feature palpable bony landmarks, realistic skin for cutting and suturing, bleeding, tactile pleural pop, and fluid drain
- Visible chest rise during bag-valve-mask ventilation
- Supports $EtCO_2$ monitoring using real sensors and monitoring devices

Cardiac
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring using real devices
- Supports ECG-derived respiration monitoring (EDR)
- Real-time CPR quality feedback and reporting:
  - » Time to CPR, compression depth/rate, compression, interruptions, ventilation rate, smart CPR voice coach
- Defibrillate, cardiovert, and pace using real devices and energy
- Effective chest compressions generate palpable femoral pulses and ECG activity
- Healthy and abnormal heart sounds
- Supports virtual pacing and defibrillation

Circulatory
- Visible cyanosis, jaundice, paleness, and redness with variable intensities
- Supports manual capillary refill time assessment on the left foot (Automatic detection and logging)
- Programmable fontanel: depressed, normal, and bulging
- Palpable pulses: brachial, femoral, and umbilical
- Pulse palpation event detection and logging
- Blood pressure-dependent pulses
- Supports blood pressure monitoring using a real NIBP cuff
- Audible Korotkoff sounds
- Pre-ductal and post-ductal SpO_2 monitoring using real devices

Vascular Access
- IV cannulation: bolus, infusion, and sampling
- Hand, scalp, and umbilicus
- Umbilical catheterization (UVC/UAC): continuous infusion and sampling
- Bilateral IO tibial infusion

Gastrointestinal
- Diaphragmatic hernia
- Programmable abdominal distension
- Urinary catheterization with return
- Normal and abnormal bowel sounds

Super TORY® S2220

S2220.PK

Super TORY, tablet PC preloaded with UNI® 3 license, Neonatal SLE scenario package, RF module, battery charger, accessories, carrying case, user guide, and One-Year Limited Warranty (extended warranty plans available). Patented; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Care in Motion™ Mobile Video-assisted debriefing system

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, and One-Year Limited Warranty (extended warranty plans available).

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

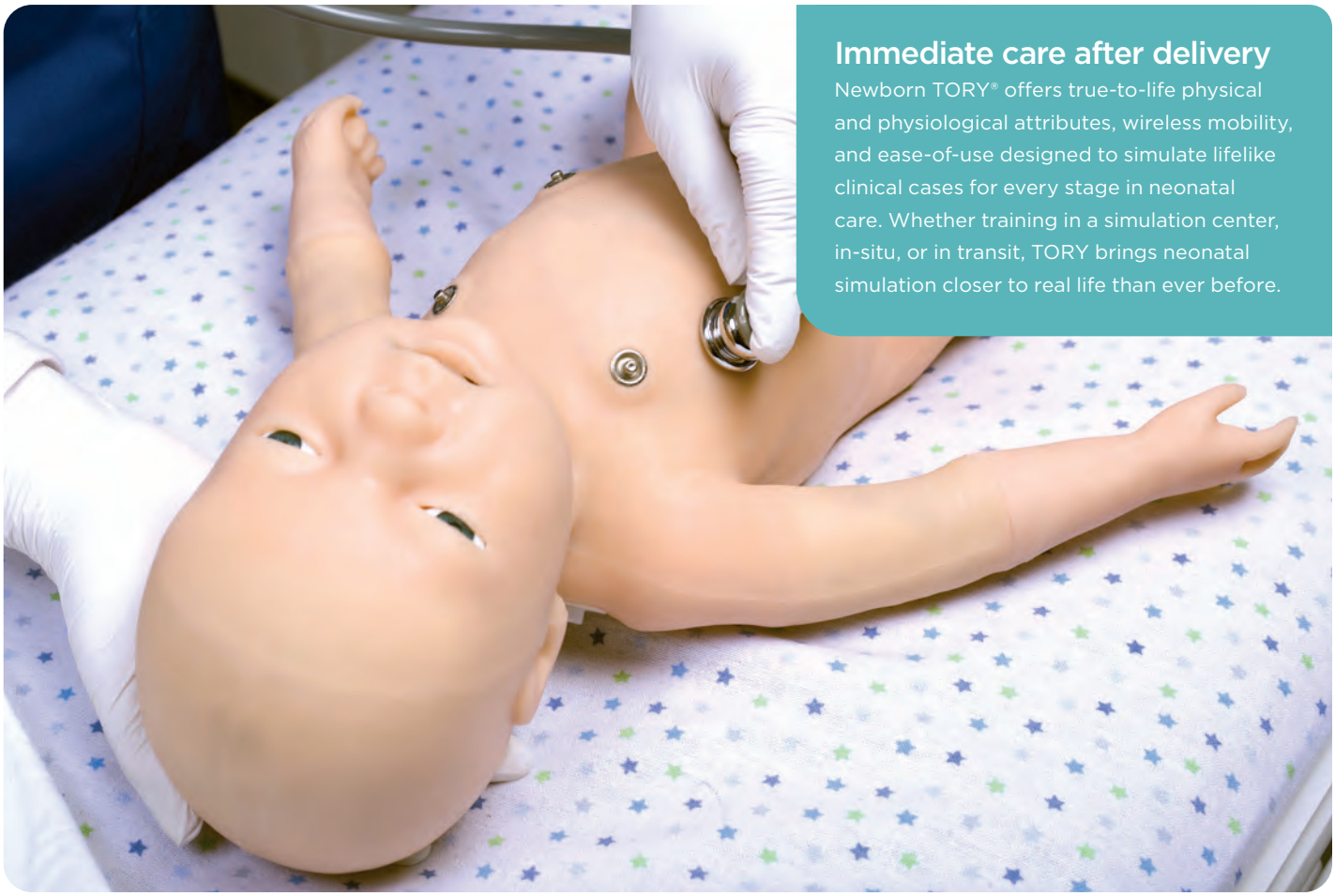
Newborn TORY® S2210

Wireless and Tetherless Neonate Simulator

- Lifelike appearance and physiology
- Real-time CPR feedback, monitoring, and training
- Fully responsive even while being carried
- Easy-to-use neonatal care training solution
- Simulate clinical cases in any setting
- Includes Neonatal Care Simulation Learning Experiences™ scenario package



Scan to browse Pediatrics and Newborn Care simulators



Immediate care after delivery

Newborn TORY® offers true-to-life physical and physiological attributes, wireless mobility, and ease-of-use designed to simulate lifelike clinical cases for every stage in neonatal care. Whether training in a simulation center, in-situ, or in transit, TORY brings neonatal simulation closer to real life than ever before.

Appearance, anatomy, and physiology

Newborn TORY looks and feels like a real term newborn with its soft and supple skin, lifelike vitals, and realistic articulation. The perfect combination of features for APGAR evaluation and physical examination scenarios.



6 lbs. / 2.7kg 20.75 in / 52.7cm



Full range of motion



Active arm movement:
limp, active, seizures



Cyanosis, crying, grunting



Fontanelle, brachial, umbilical pulses



Heart, lung, and bowel sounds

Mother-newborn physiologic link

When paired with VICTORIA®, the "Mother-Newborn Link" wirelessly transfers the fetus's condition at the moment of birth to TORY.

This exclusive feature lets operators accurately simulate the transition from intrauterine to extrauterine life with just one click while allowing participants to train continuity of care skills essential to improving response time and teamwork.



Comprehensive cardiopulmonary physiology with feedback

TORY's heart and lung sounds, chest rise, $EtCO_2$, and oxygen saturation readings allow participants to practice recognizing and managing varying degrees of distress. Additionally, built-in ventilation and chest compression sensors accurately simulate realistic physiological responses to intervention without input from the operator. TORY's powerful software handles complex physiology so you can focus on the providers' actions.



Real CO_2 Exhalation

TORY exhales real and measurable CO_2 and can thus simulate a broad range of cardiopulmonary responses. Now, participants can train to interpret and manage abnormal levels of $EtCO_2$ using a real capnometer to improve response time and reduce risk in live situations. TORY's CO_2 exhalation system is small and portable, allowing continuous monitoring during transport.

$EtCO_2$ training benefits

- Improve recognition and diagnosis of life-threatening conditions related to abnormal $EtCO_2$ including respiratory distress, apnea, cardiac arrest, and shock
- Improve recognition and management of hypo- and hyperventilation using breath-to-breath ventilation data
- Train to confirm endotracheal intubation with every procedure
- Train to recognize inadvertent extubation or "false negative endotracheal intubation" due to compromised pulmonary blood flow
- Improve management of full arrest by learning to monitor perfusion during compressions in real-time and identifying the return of spontaneous circulation (ROSC)

Real-time CPR quality feedback and smart trainer

The CPR feedback interactive monitor and smart trainer allow educators to evaluate the effectiveness of ventilations and compressions in real-time. It also features verbal coaching cues and a comprehensive performance report for better training and better outcomes.



Care and monitoring using real devices

With TORY, learners can use real devices to monitor heart rate, respiration, and $EtCO_2$. Train device operation and interpretation to improve patient safety. TORY also features multiple IV access sites to engage the learners' cognitive, technical, and psychomotor skills.

Handoff and transport. Wireless, tetherless, and battery-powered

TORY is fully functional while on battery power for up to 4 hours. There are no distracting controller wires or tethered external compressors. Our proven wireless and tetherless technology lets you easily simulate transitional care scenarios to improve inter and intra-disciplinary teamwork and communication.



Microsoft® Surface Pro tablet and UNI® 3 Simulator Control Software are included.



Supports real patient monitors and sensors.



Umbilical catheterization



ECG monitoring

Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Provider evaluation

Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.



Patient profiles

Create simulated patients with detailed active and past medical histories.

User management

Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results

Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.



Includes TORY Neonatal Care Simulation Learning Experiences™ Scenario Package

The TORY Neonatal Care Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants learning through outcome-focused simulated clinical patient encounters.

The package includes 8 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Acute Respiratory Distress Syndrome
- Bronchopulmonary Dysplasia with Pulmonary Hypertension
- Drug-Exposed Infant/Neonatal Abstinence Syndrome
- Early-Onset Sepsis
- Late-Onset Sepsis
- Nuchal Cord
- Pneumonia
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Features

Appearance and anatomy
- Age: 40-week term newborn
- Weight 6 lbs. / 2.7kg
- Length 20.75 in / 52.7cm
- Smooth and supple full-body skin
- Seamless trunk and limb joints
- Realistic joint articulation: neck, shoulder, elbow, hip, and knee
- Forearm pronation and supination
- Lifelike umbilicus
- Palpable landmarks, including ribs and xiphoid process

Tetherless and wireless connectivity
- Tetherless and fully responsive even while being transported[1]
- Internal rechargeable battery provides up to 4 hrs. of tetherless operation[2]
- Pneumatic and fluid reservoirs are housed inside the body
- VICTORIA®/NOELLE® Fetus-Newborn wireless link capability

Airway
- Head-tilt, chin-lift, jaw-thrust
- Realistic orotracheal and nasotracheal airway and visible vocal cords
- Bag-valve-mask ventilation
- Neck hyperextension and airway obstruction with event capture and logging
- Intubation depth detection and logging
- Programmable crying/grunting sounds
- Endotracheal intubation

Breathing
- Spontaneous breathing
- Variable respiratory rates and inspiratory/expiratory ratios
- Visible chest rise with bag valve mask ventilation
- Unilateral chest rise with right mainstem intubation
- Lung ventilations are measured and logged
- Programmable unilateral chest rise and fall
- Unilateral lung sounds synchronized with respiratory rate
- Real end-tidal EtCO dependent on cardiac output (Requires option: S2210.078)

Cardiac
- Comprehensive ECG rhythm library
- ECG monitoring using real devices
- Real-time CPR feedback performance monitor and trainer
- Effective chest compressions generate palpable pulses and ECG activity
- Healthy and abnormal heart sounds
- Virtual pacing and defibrillation

Circulatory
- Visible central cyanosis with programmable intensity
- Fontanelle, brachial, and umbilical pulses
- Blood pressure-dependent pulses
- Blood pressure measurement using real modified BP cuff
- Audible Korotkoff sounds
- Pre-ductal and post-ductal O_2 saturation values simulated on patient monitor
- Arterial/venous umbilical catheterization

Vascular access
- Bilateral IV arms
- IV access on the lower left leg
- Umbilical vein and arteries support catheterization and infusion
- Intraosseous access and infusion at right tibia
- Bilateral anterolateral thigh intramuscular injection sites

Digestive
- Interchangeable female and male genitalia
- Urinary catheterization
- Selectable bowel sounds

Other
- Navel insert post cord detachment
- Seizures/convulsions
- Programmable muscle tone: bilateral or unilateral arm movement, reduced and limp
- Temperature sensor placement detection

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

Newborn TORY® S2210

S2210.PK

TORY Tetherless Patient Simulator, UNI® 3 Tablet PC, Neonatal Care Simulation Learning Experiences scenario package, RF module, battery charger/power supply, accessories, soft carrying case, user guide, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

CO_2 Exhalation regulator

S2210.078

Real and measurable $EtCO_2$ with 10 programmable levels of CO_2 output.



Care in Motion™ Mobile Video Debriefing System

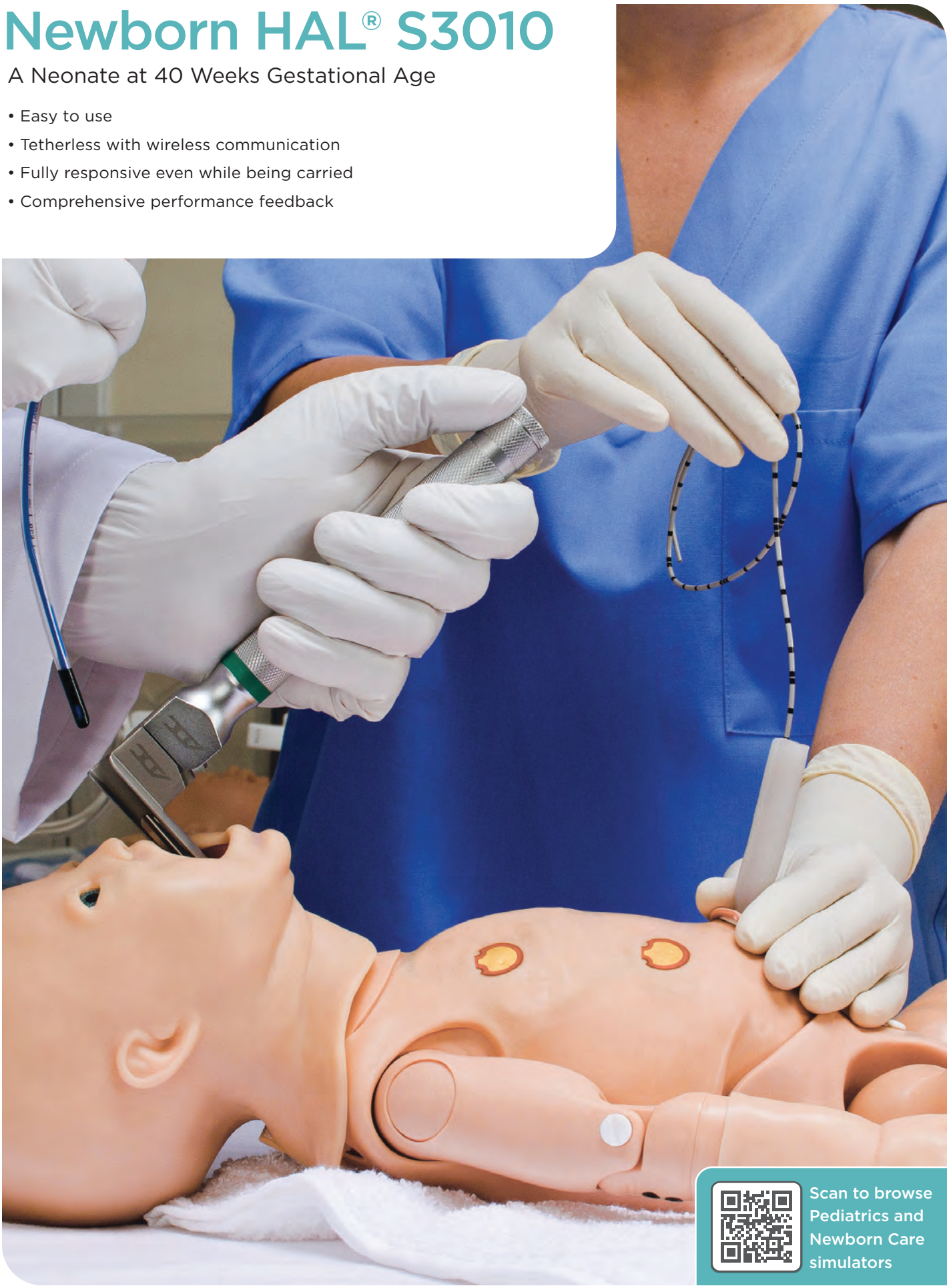
CIM.PK

Care In Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, and one-year limited warranty (extended warranty plans available).

Newborn HAL® S3010

A Neonate at 40 Weeks Gestational Age

- Easy to use
- Tetherless with wireless communication
- Fully responsive even while being carried
- Comprehensive performance feedback



Scan to browse Pediatrics and Newborn Care simulators

Meet Newborn HAL®, the original wireless and tetherless newborn patient simulator

Newborn HAL S3010 is a 40-week tetherless newborn featuring programmable spontaneous breathing, pulses, color, and responses to CPR like a real baby.



Wireless and Tetherless

Control Newborn HAL wirelessly while he smoothly transitions between physiologic states in response to commands from a wireless tablet PC.



Cyanosis

Color and vital signs respond to hypoxic events and interventions.



Realistic umbilicus

HAL's umbilicus can be catheterized and even has a pulse synchronized with programmed heart rate.



Bilateral IV arms

Newborn HAL has bilateral IV training arms that can be used for bolus or intravenous infusions and draining fluids.



Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones.

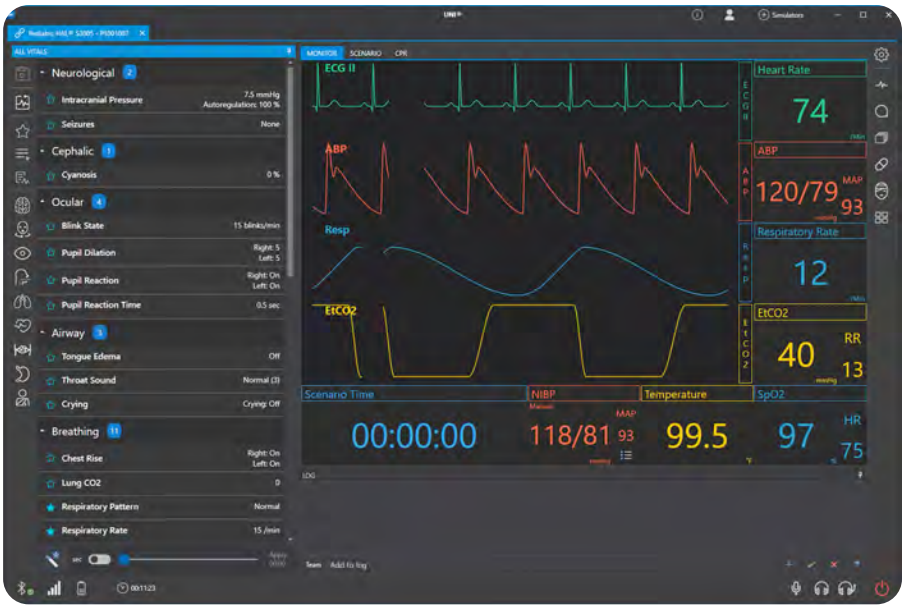


Monitor ECG using real electrodes

Newborn has conductive skin regions that allow the user to track cardiac rhythms with their own equipment just like with a human patient.

Elevate your training with the all-new UNI® 3

- Adjust vitals on-the-fly or automate changes using the included scenarios
- UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate your different Gaumard models
- Create your own custom scenarios tailored to your learning objectives
- Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports
- Automated event tracking ensures important events are always captured so you can focus on the action
- UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator



Includes Neonatal Care Simulation Learning Experiences™ scenario package

The Neonatal Care Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants learning through outcome-focused simulated clinical patient encounters. The package includes 8 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Acute Respiratory Distress Syndrome
- Bronchopulmonary Dysplasia with Pulmonary Hypertension
- Drug-Exposed Infant/Neonatal Abstinence Syndrome
- Early-Onset Sepsis
- Late-Onset Sepsis
- Nuchal Cord
- Pneumonia
- Shoulder Dystocia

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Optional Gaumard Vitals "all-in-one" touchscreen monitor.

Gaumard Vitals™ Virtual Patient Monitor

- Optional all-in-one touchscreen PC
- Customize each trace independently; users can set alarms and timescales
- Display up to 12 numeric values including HR, ABP, NIBP, CCO, SpO_2, SvO_2, RR, $EtCO_2$, temperature, and time
- Select up to 12 dynamic waveforms, including ECG Lead I, II, III, respiration, and capnography.
- Share images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses

Features

General
- Available in light, medium, and dark skin tones
- Wireless and tetherless; fully responsive even while being transported[1]
- Powered by an internal rechargeable battery or wall outlet
- Internal rechargeable battery provides up to 4 hrs. of tetherless operation[2]
- Use pre-programmed scenarios, modify them, or create your own quickly and easily

Airway
- Multiple upper airway sounds synchronized with breathing
- Nasal or oral intubation
- Right mainstem intubation
- Sensors detect depth of intubation
- Block right lung, left lung, or both lungs
- Head-tilt/Chin-lift
- Jaw thrust
- Accommodates simulated suction techniques
- Bag-Valve-Mask Ventilation
- Works with conventional airway adjuncts
- Retrograde intubation
- Sellick maneuver brings vocal cords into view

Breathing
- Control rate and depth of respiration and observe chest rise
- Automatic chest rise is synchronized with respiratory patterns
- Select independent left and right upper lung sounds
- Chest rise and lung sounds are synchronized with selectable breathing patterns
- Accommodates assisted ventilation, including BVM and mechanical support
- Ventilations are measured and logged
- Chest compressions generate palpable blood pressure waveform and ECG artifacts
- Detection and logging of ventilations and compressions
- Simulated spontaneous breathing
- Variable respiratory rates and inspiratory/expiratory ratios
- Bilateral chest rise and fall
- Unilateral chest rise simulates pneumothoraces
- Normal and abnormal breath sounds
- Programmable crying and grunting sounds

Circulation
- ECGs are generated in real-time with physiologic variations never repeating textbook patterns
- Heart sounds may be auscultated and are synchronized with ECG
- Central cyanosis
- Measure blood pressure by palpation or auscultation
- Use real modified BP cuff to measure blood pressure
- Korotkoff sounds audible between systolic and diastolic pressures
- Pulse sites synchronized with BP and heart rate
- Bilateral IV arms with fill/drain sites
- Realistic flashback
- SubQ and IM injection sites
- Intraosseous access at tibia
- Chest compressions are measured and logged
- ECG monitoring using real devices; apply real electrodes to conductive skin regions
- Multiple heart sounds, rates, and intensities
- ECG rhythms are generated in real-time
- Heart sounds synchronized with ECG
- Dynamic 12-lead ECG display with optional vital signs monitor
- Fontanelle, umbilical, and bilateral brachial pulses synchronized with ECG

Other
- Articulation and movement
- Seizure/convulsions
- Muscle tone active, right arm only, left arm only, reduced and limp
- Color and vital signs respond to hypoxic events and interventions
- Fill bladder and perform Foley catheterization
- Interchangeable genitalia
- Umbilical catheterization
- Umbilicus with two arteries and one vein. Even practice cutdowns
- Temperature probe placement
- Insert feeding tubes
- Auscultate bowel sounds

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

Newborn HAL® S3010

S3010.PK

Newborn HAL Tetherless Patient Simulator, control PC preloaded with UNI® 3, UNI 3 software with lifetime license, RF module, battery charger/power supply, accessories, soft carrying case, user guide, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.



Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care in Motion Tablet PC, 3 battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, and one-year limited warranty (extended warranty plans available).

Scan to browse Pediatrics and Newborn Care simulators

Newborn PEDI® S109

Newborn Skills Trainer

- Anatomically accurate oral cavity and airway
- Visible chest rise with assisted ventilation
- Realistic chest compression and recoil
- Fontanelle, umbilical, brachial, and femoral pulses
- IV cannulation, umbilical artery catheterization, and IO infusion



Scan to browse Pediatrics and Newborn Care simulators



Advanced neonatal skills training

With its anatomically accurate features and lifelike feel, Newborn PEDI® introduces a new level of realism to neonatal procedural skills training.

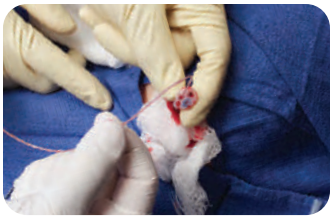
- Airway intubation
- Resuscitation
- IV cannulation
- Umbilical catheterization
- IO infusion
- Lumbar puncture
- Pulse palpation



Anatomically accurate epiglottis, glottis, and trachea



IV sites support bolus, infusion, and sampling



Umbilical access, sampling, and continuous infusion



Lumbar puncture needle insertion and sampling

Features

- Full-term neonate 8 lbs, 19.5 in
- Smooth full-body skin
- Articulated limb joints with full range of motion
- Detachable umbilical cord
- Palpable lumbar landmarks
- Flexible spine

Airway

- Anatomically accurate oral cavity and airway
- Oral and nasal endotracheal intubation
- Supraglottic airway insertion
- Sellick maneuver
- Positive pressure ventilation
- Suctioning

Breathing

- Visible chest rise with positive pressure ventilation
- Chest tube insertion (unilateral)

Cardiac

- Realistic chest compression and recoil
- Palpable pulses: fontanelle, umbilical, brachial, and femoral (manual)

Vascular Access

- IV cannulation: bolus, infusion, and sampling
  - » Hand
  - » Scalp
  - » Umbilicus
- Umbilical catheterization (UVC/UAC): access, continuous infusion, and sampling
- Heel stick with blood draw (bilateral)
- Lumbar puncture: catheterization, infusion, and sampling
- Anterolateral thigh intramuscular injection (unilateral)
- IO tibial infusion (bilateral)

Gastrointestinal

- Patent esophagus
- NG/OG intubation and feeding
- Gastric suctioning
- Stoma care: ileostomy, colostomy, suprapubic
- Urinary catheterization with return
- Interchangeable male and female genitalia

Newborn PEDI®

S109.PK

Newborn PEDI, genitalia, stomas, umbilical cords, chest tube sites, IO bones, heel stick sites, lubricant, IV filling kit, and user guide.

Newborn Multipurpose Patient

Newborn Multi. Patient with OMNI® 2

S107.250.PK

Newborn Multi. Patient

S107.PK



Newborn PEDI® Simulator

Newborn PEDI® with OMNI® 2

S105.250.PK

Newborn PEDI®

S105.PK



Susie Simon®

Newborn Advanced Care Simulator

S100.PK



PEDI® Blue Neonatal Simulator with Newborn HAL® Body

PEDI® Blue Neonate with OMNI® 2

S320.101.250.PK

PEDI® Blue Neonate with OMNI® 1

S320.101.PK



Premie Blue™ Simulator with Smartskin™ Technology

Premie Blue™ with OMNI® 2

S108.250.PK

Premie Blue™

S108.PK



Susie Simon® newborn advanced care simulator

- Soft and flexible face skin
- Self-molded hair
- Realistic eyes
- NG exercises to demonstrate tube feeding and gastric suction
- Simulated ear canal
- Soft arms and legs rotate within the torso body for lifelike feel and position
- Soft hands, feet, fingers, and toes
- Heel stick and finger prick technique
- Soft upper body skin over torso for "baby-like" feel
- Bathing and bandaging activity
- Interchangeable genitalia
- Urethral passage and bladder
- Male and female catheterization
- Enema administration
- Soft carrying bag
- User guide





Nasal intubation

NG exercises to demonstrate tube feeding and gastric suction.



Catheterization

Male and female catheterization. Removable internal tanks.

Susie Simon®

Newborn Advanced Care Simulator
S100.PK

Newborn Training Arm
S100.803R.IV

Newborn Intraosseous Option
S100.702

External Stoma Sites
S100.703

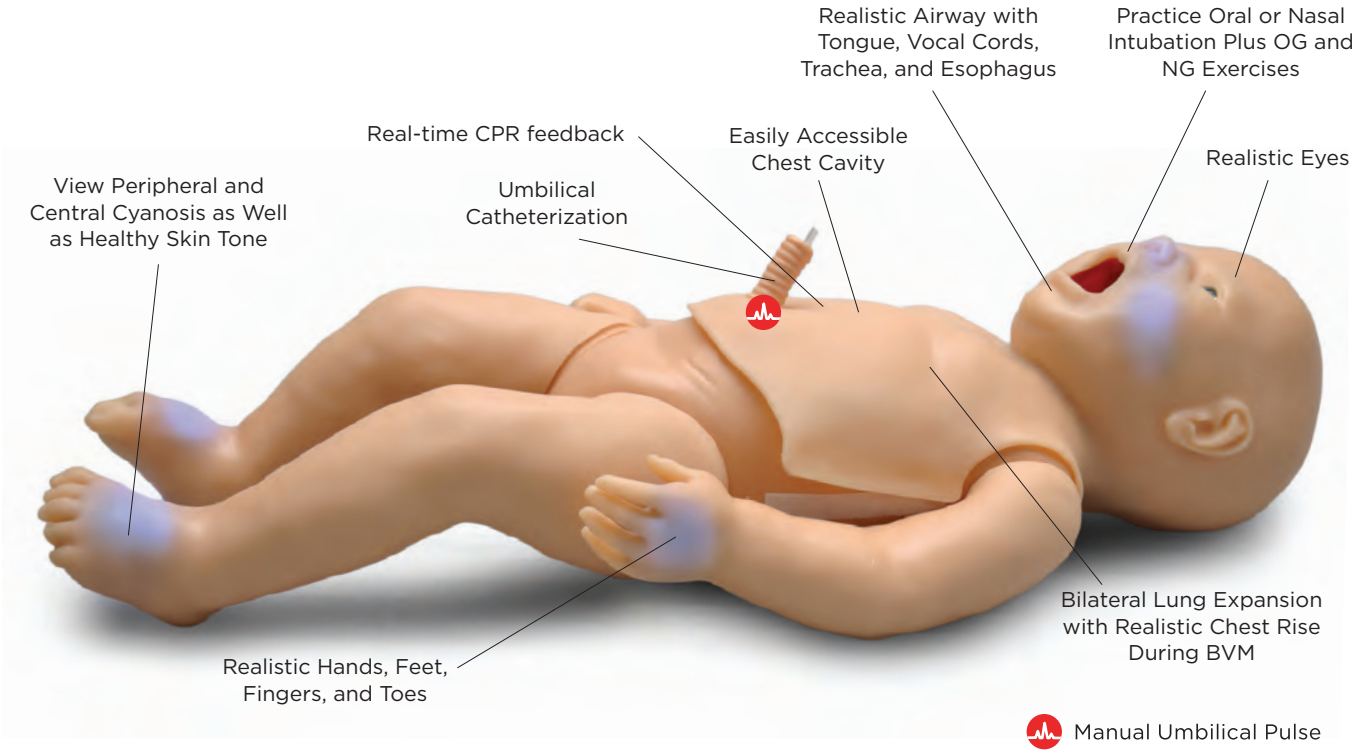
Umbilical Catheterization Site
S100.704

Temporal Venous Access Sites
S100.706

Scan to browse Pediatrics and Newborn Care simulators

PEDI® Blue Neonatal Simulators

A spectacular newborn simulator that changes color based upon an initial pre-selected condition and measures the effectiveness of airway ventilation and chest compression. In addition, the simulator has all the conventional features found in airway management trainers. Optional accessories include an intraosseous leg and an injection training arm.





Airway management

Realistic airway with tongue, vocal cords, trachea, and esophagus. Practice intubation using a Miller 1 blade and uncuffed ET tube.



Cyanosis

View peripheral and central cyanosis as well as healthy skin tone. Skin turns to healthy color with proper CPR.



CPR

Practice neonatal CPR using either the two-thumb “encircling” technique or the two-finger alternate compression method. Monitor compressions and ventilations with Omni® controller.

Features

- Full-size articulating neonate
- Realistic airway with tongue, vocal cords, trachea, and esophagus for airway management exercises
- Compression and ventilation sensors
- Oral or nasal intubation plus suctioning
- Crico prominence permits the Sellick maneuver
- Bilateral lung expansion with realistic chest rise
- Practice intubation
- View peripheral and central cyanosis as well as healthy skin tone
- Pulsatile element with use of hand-held squeeze bulb
- Simulate neonatal CPR with either two-thumb "encircling" technique or two-finger alternate compression method
- Practice delicate IO access with optional intraosseous leg
- Practice injection and intravenous techniques with optional training arm
- Includes CPR feedback interface, carrying bag, accessories, power supply, user guide, and One-Year Limited Warranty
- *S320.100 Patent 6,503,087*

PEDI® Blue with SmartSkin™ and OMNI® 2

S320.100.250.PK

PEDI® Blue with SmartSkin™ and OMNI® 1

S320.100.PK

PEDI® Blue with Newborn HAL® body and OMNI® 2

S320.101.250.PK

PEDI® Blue with Newborn HAL® body and OMNI® 1

S320.101.PK

IO Leg Option

S320.100.702R

IV Training Arm Option

S320.100.803R.IV



BVM with realistic chest rise

Bilateral lung expansion with realistic chest rise during BVM.



NG and OG exercises

Fluids may be introduced or suctioned via a nasogastric or orogastric tube into stomach reservoir.



OMNI® 2 Real-time CPR feedback

- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing



Umbilical catheterization

Practice umbilical catheterization by filling umbilical cord using syringe provided.



Umbilical pulses

Simulate pulsatile element with use of hand-held squeeze bulb.

Scan to browse Pediatrics and Newborn Care simulators

Scan to browse Pediatrics and Newborn Care simulators



Premie HAL® S2209

30-Week Premature Infant Patient Simulator

- Anatomically accurate oral cavity and airway
- Real-time CPR quality monitoring and feedback
- Automatic, spontaneous chest rise and palpable pulses
- IV cannulation, umbilical catheterization, IO infusion
- Wireless and tetherless; fully functional during transport
- Includes Premie Care Simulation Learning Experiences™ scenario package

Meet Premie HAL®

The Premie HAL S2209 is a lifelike, wireless and tetherless 30-week preterm patient simulator designed to facilitate the training of residents and healthcare professionals in the areas of preterm airway management, resuscitation, stabilization, transport, and intensive care.



Realistic chest recoil, visible chest rise with PPV, and variable central cyanosis

Real-time CPR quality feedback and performance reports

Real-time CPR sensors inside Premie HAL capture ventilation and compression quality metrics, allowing educators to identify and address gaps in performance with greater efficacy.

- Compression depth, rate, and interruption duration
- Ventilation rate and duration
- Smart CPR voice coach
- Performance report summary

The unique challenge of preterm airway management

Developed using the latest laser and 3D printing technology, Premie HAL presents participants with the most accurate airway anatomy available. High anatomical accuracy ensures participants can use standard airway intubation devices to develop technique and fine motor skills.



Supports IO infusions



IV access on dorsum of hands, dorsum of left foot, and umbilicus



Automatic, spontaneous breathing and bilateral palpable pulses



Anatomically accurate oral cavity and airway



Premie HAL® connected to a mechanical ventilator using a standard patient circuit.

Wireless and tetherless. Ready for transport, handoffs, and evac drill exercises

Premie HAL is fully functional in transit thanks to its extra-long battery life and proven wireless technology.



Real mechanical ventilation and feedback

Premie HAL features compliant lungs that produce realistic PV waveforms on real mechanical ventilators and other respiratory equipment. This allows participants to follow guideline-recommended settings and algorithms while developing skills more directly transferable to real situations.

Gaumard Vitals™ Virtual Patient Monitor

The optional Gaumard Vitals Patient Monitor simulates the functionality and look of a real patient monitor, allowing participants to practice data interpretation, documentation, and clinical decision-making skills.

A complete solution. Includes UNI® 3 tablet PC and Simulation Learning Experiences™ scenario package

Premie HAL includes the powerful UNI® 3 control interface and 5 outcome-focused scenarios accompanied by a printed guide for setting up, planning, and facilitating each learning experience.

- CPAP and OG Tube Placement
- Premie Early-Onset Sepsis
- Premie Resuscitation
- Respiratory Distress Syndrome
- Umbilical Catheterization



Features

General
- Gestational age: 30-week preterm neonate
- Weight: 2.9 lb. (1.32 kg)
- Length: 15.71 inches (39.9 cm)
- Smooth and supple full-body skin
- Tetherless and wireless; fully responsive during transport[1]
- Internal rechargeable battery provides hours of tetherless operation[2]
- UNI® Tablet PC included
- Includes 5 preprogrammed SLEs and Facilitator's Guidebook

Neurological
- Crying synchronized with breathing

Airway
- Lifelike and anatomically accurate oral cavity and airway
- Supports NG and OG tube placement
- Supports endotracheal intubation using standard adjuncts
- Selectable upper airway sounds synchronized with breathing

Breathing
- Automatic, spontaneous breathing
- Programmable respiratory rates and I:E ratios
- Preprogrammed respiratory patterns and grunting
- Selectable normal and abnormal lung sounds
- Compliant lungs present visible chest rise following guideline-recommended flow, PIP, and PEEP values
- Supports standard positive pressure ventilation devices including bag-valve-mask, resuscitators, mechanical ventilators, CPAP, and more
- Real-time PPV ventilation feedback via UNI control interface
- Programmable unilateral chest rise simulates pneumothorax

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

Circulation
- Central cyanosis with variable discoloration
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring using real devices
- Normal and abnormal heart sounds synchronized with ECG
- Real-time CPR quality feedback and reporting
  - » Time to CPR
  - » Compression depth/rate
  - » Compression interruptions
  - » Ventilation rate
  - » Excessive ventilation
  - » Smart CPR voice coach
  - » CPR performance report
- Automatic and palpable pulses
  - » Fontanelle
  - » Brachial
  - » Umbilicus
  - » Femoral
- Pulse strength is blood pressure-dependent
- Supports IV cannulation: bolus, infusion, and sampling
  - » Dorsum of hand (bilateral)
  - » Umbilical catheterization (UVC/UAC)
  - » Dorsum of foot
- Intraosseous access at right tibia supports continuous infusion
- Temperature sensor placement detection
- Supports virtual pacing and defibrillation via Gaumard Vitals™ Virtual Patient Monitor

UNI® 3 Simulator control interface
- Supports operation on-the-fly or by way of programmable scenarios
- Virtual patient monitor view
- Scenario designer
- Preprogrammed and editable scenario library
- CPR quality monitor and trainer
- Hypoxia model
- Lab report designer
- Questionnaire form designer
- Time-stamped event logging and provider actions tracking

Premie HAL® S2209

S2209.PK

Premie HAL S2209, UNI® 3 Tablet PC, Simulation Learning Experiences scenario package, battery charger, accessories, carrying case, user guide, and One-Year Limited Warranty. Extended service plans available. Patent; other patents pending.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Care in Motion™ Mobile Video-assisted debriefing system

CIM.PK



- Care in Motion Tablet PC
- 3 Battery-powered HD wireless cameras
- 3 Adjustable camera grips
- Transport case
- One-Year Limited Warranty
- Extended service plans available

Scan to browse Pediatrics and Newborn Care simulators

Scan to browse Pediatrics and Newborn Care simulators



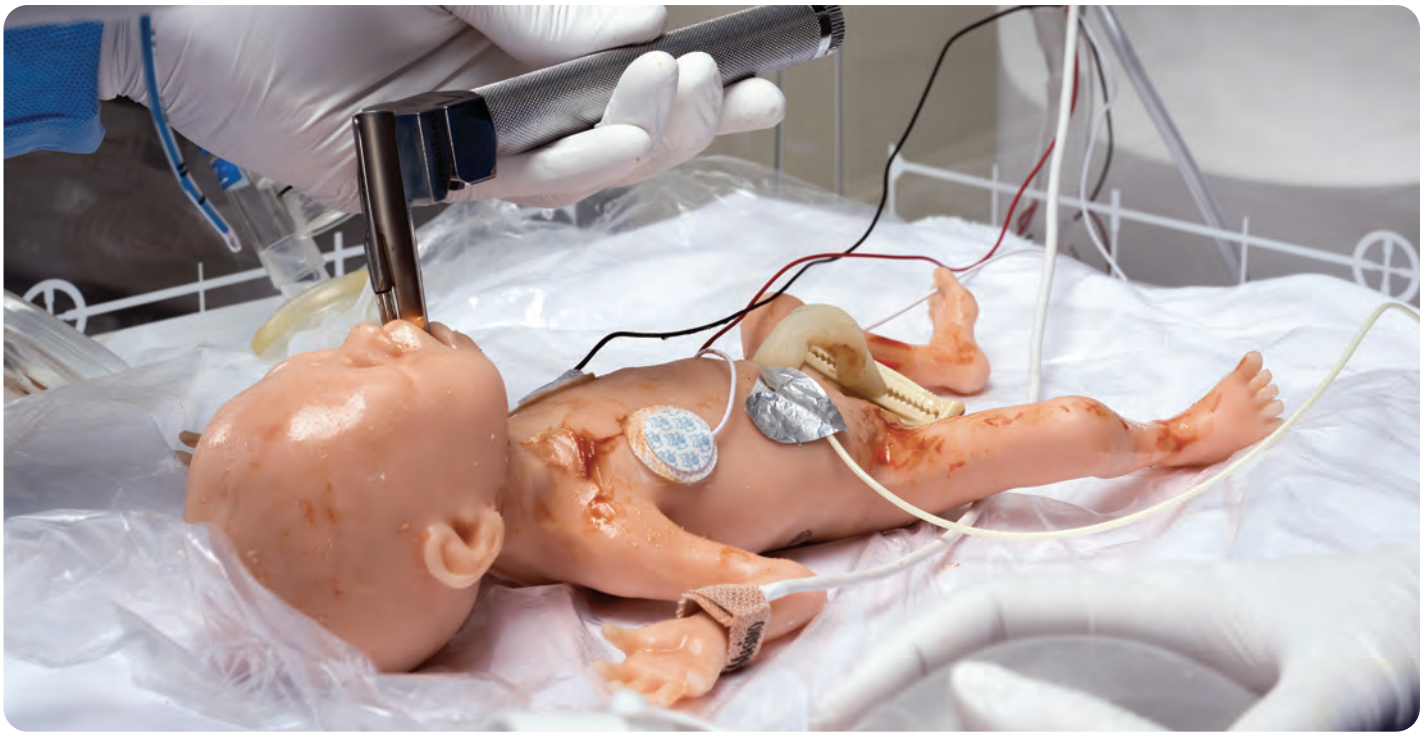
Premie HAL® S108.100

24-Week Preterm Newborn Skills Trainer

- Anatomically accurate oral cavity and airway
- Visible chest rise with assisted ventilation
- Realistic chest compression and recoil
- Fontanelle, umbilical, brachial, and femoral pulses
- IV cannulation, umbilical artery, and catheterization

Critical thinking and skills training through enriched experiences.

The Premie HAL® S108.100 is a lifelike, 24-week preterm patient simulator designed to facilitate the training of healthcare professionals in the areas of airway management, respiratory support, and resuscitation.





Suctioning



Bag ventilation



Active resuscitation

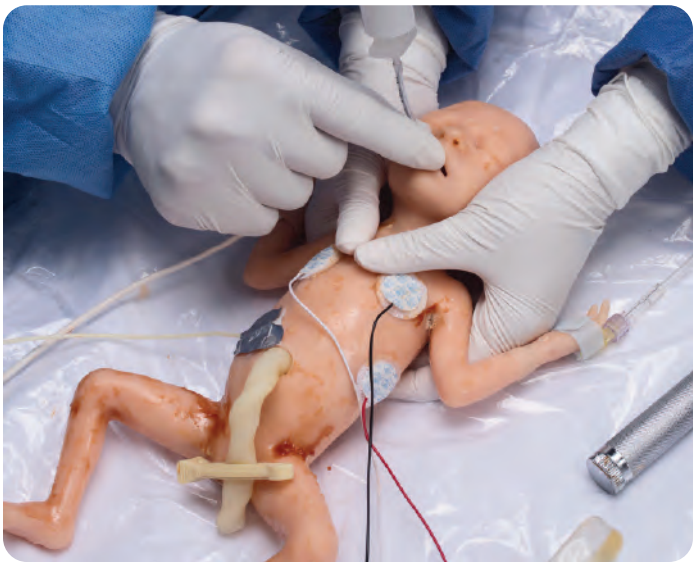


Positive pressure ventilation

Realistic Preterm Stabilization and Resuscitation Exercises

Premie HAL S108.100 has a lifelike, anatomically accurate oral cavity and airway, which allows participants to rehearse stabilization and resuscitation for preterm infants.

- Airway landmarks including: tongue, epiglottis, and vocal cords
- Realistic chest recoil during CPR
- Manual pulses: brachial, femoral, umbilical, and fontanelle
- Vascular access via hand, scalp, and umbilicus
- Supports:
  - » UVC/UAC sampling and infusion
  - » PICC line placement





True-to-Life Respiratory Support Training

Premie HAL S108.100 has realistic lungs that respond to respiratory support like a real premature infant. This allows care providers to practice advanced neonatal respiratory care in situ and interpret actual PV waveforms.

- True-to-life lung compliance
- Visible chest rise following recommended flow, PIP, and PEEP values
- Supports standard positive pressure ventilation devices
  - » BVM
  - » CPAP
  - » Mechanical ventilators

Premie HAL®

S108.100.PK

Premie HAL, accessories, canvas carrying bag, user guide, and One-Year Limited Warranty. Skin tones available at no extra charge.

Features

- Age: 24-week preterm neonate
- Length 12.5” (31.75cm)
- Weight 1.3lbs (.59 kg)

Airway

- Lifelike, anatomically accurate oral cavity and airway
- Lifelike gums and appropriately sized tongue
- Endotracheal intubation
- Sellick maneuver
- Nose and oral cavity suction

Breathing

- True-to-life lung compliance
- Visible chest rise following recommended flow, PIP, and PEEP values
- Supports standard positive pressure ventilation devices including BVM, CPAP, and mechanical ventilators

Cardiac

- Pulses (manual)
  - » Brachial
  - » Femoral
  - » Umbilical
  - » Fontanelle
- Realistic chest recoil during CPR

Vascular access

- IV cannulation
  - » Hand
  - » Scalp
- UVC/UAC infusion and sampling
- PICC line placement
- Navel insert

Gastrointestinal

- Gastric distension
- Patent esophagus
- NG/OG intubation
- Gastric suctioning and feeding

Enhancing skills training through critical thinking

The new Gaumard Virtual Instruments® Patient Monitor Skills Trainer is designed to help you easily incorporate vital sign interpretation and documentation into any scenario. Display 15+ vital sign parameters and provide participants with a data-rich simulation experience to enhance critical thinking and clinical decision-making.





OMNI® 2 controller

- Lightweight OMNI 2 touchscreen interface
- Wireless control at distances of up to 30 feet away*
- Control over 35+ vital sign parameters including HR, ECG, RR, BP, SpO_2, $EtCO_2$, and much more
- Update vital sign values on-the-fly
- Trend vital sign improvements and deteriorations over time
- Comprehensive ECG library with 25+ preprogrammed rhythms
- Evaluate simulation participants individually or as a group
- Easily document provider actions with the built-in checklist
- Save, email, and print event logs with trend graphs for data-rich debriefing
- Includes 5 premature infant scenarios:
  - » CPAP and OG tube placement
  - » Infant Resuscitation
  - » Preemie early-onset sepsis
  - » Respiratory distress syndrome
  - » Umbilical catheterization

*Maximum wireless range will vary depending on environmental factors and conditions.

Gaumard Vitals™ patient monitor skills trainer

- Customizable screen layout mimics standard patient monitors
- Display 15+ parameters including HR, ABP, SpO_2, RR, $EtCO_2$, temperature, time, and more
- Includes 5 patient interfaces: adult, pediatric, full-term newborn, premature infant, and fetal monitor
- Customizable vital sign parameter alarms
- Display up to 8 numeric parameters and 5 real-time waveforms
- Built-in virtual defibrillator and pacer
- Electronic Fetal Monitor screen displays information in real-time
- Audible heart tones simulate fetal heart tones or fetal scalp electrode
- Review up to 2 hours of recorded fetal tracings
- Save/print fetal tracings for debriefing

Gaumard Vitals™ Bedside Patient Monitor Skills Trainer

S600.1.PK

All-in-One Touchscreen PC, OMNI 2 Tablet, Virtual Patient™ Activation Code for OMNI 2, accessories.

Gaumard Vitals™ Portable Patient Monitor Skills Trainer

S600.2.PK

Microsoft Tablet PC, OMNI 2 Tablet, Virtual Patient Activation Code for OMNI 2, accessories.

Scan to browse Pediatrics and Newborn Care simulators

Premie Blue™ Neonatal Simulators

Premie Blue depicts a 28-week premature infant and includes an injection arm and intraosseous leg. Students can intubate as well as perform BVM and CPR. Premie Blue changes color based upon an initial pre-selected condition and measures the effectiveness of airway ventilation and chest compression.



OMNI® 2 Virtual Patient Monitor Support

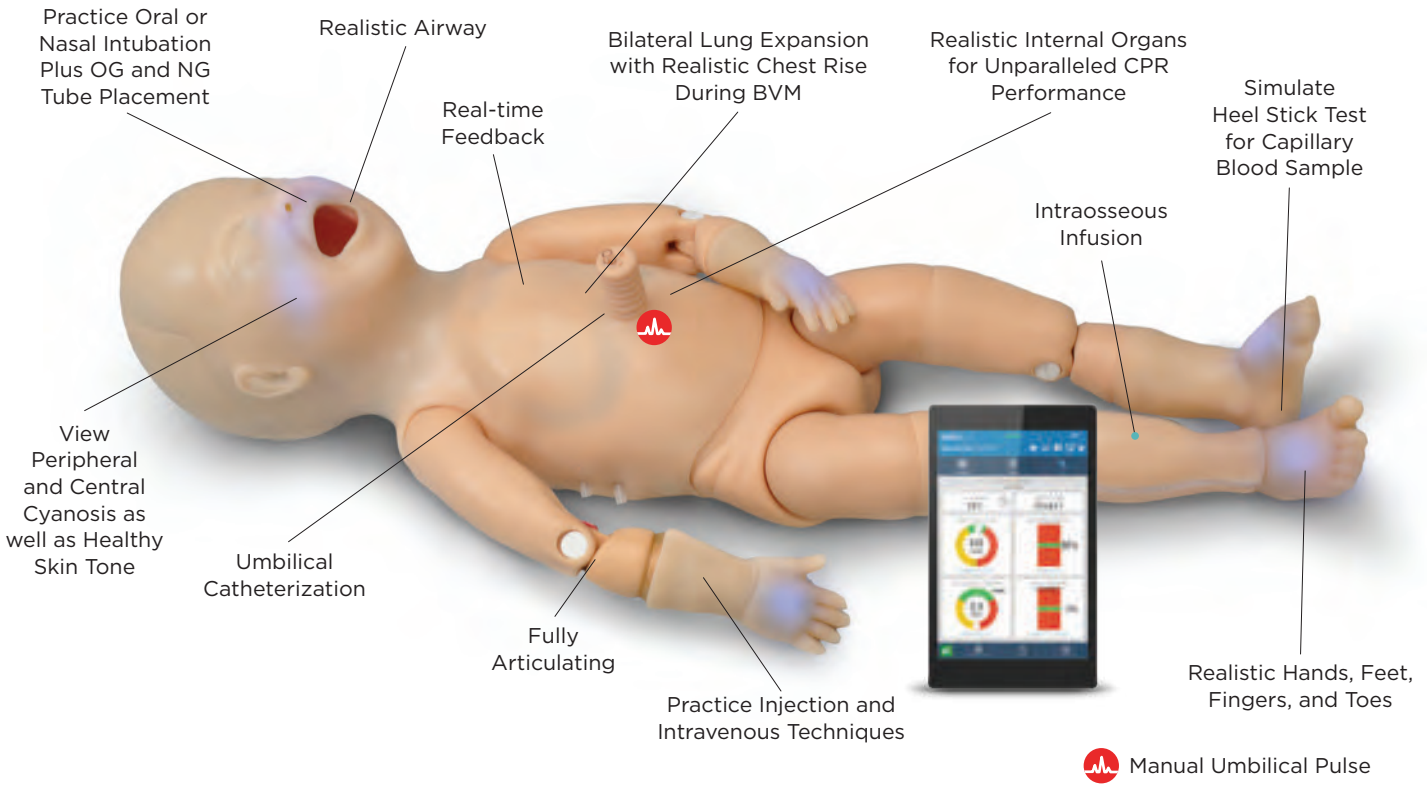
The new Gaumard® virtual patient monitor for OMNI® 2 looks and functions like a real monitor. It offers continuous, real-time patient data to help learn critical thinking and decision-making skills.

Premie Blue™ with OMNI® 2

S108.250.PK

Premie Blue™ with OMNI® 1

S108.PK





Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones. Allows infusion of fluids, blood, and/or drugs directly into the tibia's bone marrow.



Intravenous access

IV access in the lower right arm can be used for bolus or intravenous infusion and draining fluids.



Cyanosis

View peripheral and central cyanosis as well as healthy skin tone. Skin turns a healthy color with proper CPR.

Features	S108.PK Premie	S107.PK Newborn	S105.PK Newborn	S320.100.PK Newborn	S320.200.PK Newborn
Head tilt	●	●	●	●	●
Programmable cyanosis	●	–	–	●	●
Oral/Nasal endotracheal intubation	●	●	●	●	●
Oral/Nasal nasogastric intubation	●	●	●	●	●
Intraosseous infusion	●	●	●	○	●
IV training arm	●	●	●	○	●
Femoral vein	–	●	●	–	●
Manual palpable pulses	●	●	●	○	●
Radial	–	●	●	○	●
Femoral	–	●	●	○	●
Brachial	–	●	●	○	●
Posterior tibia	–	●	●	○	●
Umbilical	●	●	●	●	●
Stomas for Ileostomy, colostomy, and suprapubic exercises	–	●	–	–	–
Interchangeable genitalia	–	●	–	–	–
Male and female catheterization	–	●	–	–	–
BVM with realistic chest rise	●	●	●	●	●
CPR anatomical landmarks and realistic internal organs	●	●	●	●	●
Chest compressions and ventilations are measured and logged	●	○	○	●	●
Lavage/gavage	–	●	●	●	●
Umbilical cord catheterization	●	●	●	●	●
G-tube placement	–	●	–	–	–
Enema administration	–	●	–	–	–
Intramuscular injection sites	–	–	●	–	–
Practice suctioning exercises	●	●	●	●	●

Models, Options, and Accessories

Model	S108.250.PK	S108.PK	S107.250.PK	S107.PK	S105.250.PK	S105.PK	S320.100.250.PK	S320.100.PK
OMNI® Real-Time CPR feedback	OMNI® 2	OMNI® 1	OMNI® 2	OMNI® 1 S107.184	OMNI® 2	OMNI® 1 S105.184	OMNI® 2	OMNI® 1
IV Training	Included		Included		Included		S320.100.803R.IV	
I/O Access with Arm	Included		Included		Included		S320.100.702R	
Chest Decomp and drainage	-		-		S105.711		-	



Scan to browse Trauma Care simulators

Trauma HAL®
S3040.100 | S3040.50 | S3040.10

Rugged emergency simulators

- Durable and splash-proof
- Quadruple trauma limbs and bleeding wounds
- BleedSmart™ - Real-time blood loss monitoring
- Real-time CPR feedback effectiveness monitor and trainer
- Wireless and tetherless
- Includes Trauma HAL® Simulation Learning Experiences™ scenario package

The ultimate simulation solutions for emergency care training

The Trauma HAL® S3040.100, S3040.50, and S3040.10 models are specifically engineered to meet the training needs of first responders, EMS, and in-hospital emergency teams. Trauma HAL helps teams engage in true-to-life training exercises to improve emergency preparedness, response, communication, and patient care.

Point-of-injury



Transport



Emergency



Med-surg





Versatile

Our intuitive UNI® 3 software lets you easily manage HAL's vitals using on-the-fly controls and interactive scenarios.



A turnkey solution

HAL is fully equipped and ready for use. He includes a wireless control tablet, UNI 3, a virtual patient monitor, 10 SLEs, and a Facilitator's Guidebook for one great price.



Rugged design

Reinforced shoulder and hip limb joints specifically designed to support training exercises in real environments.



Proven design history

Trauma HAL S3040.100 features the latest iteration of the field-ready design initially developed for the HAL S3000, which underwent independent testing by the US Army Aeromedical Research Laboratory.

True-to-life anatomy and physiology

Trauma HAL features anatomically accurate landmarks, proportions, and a host of programmable vital signs to facilitate the development of skills transferable to real situations.

Train using real patient monitors and medical equipment

Monitor and provide care using native equipment. HAL supports real ECG monitors, capnometers, oximeters, BP cuffs, and defibrillators, just like a real patient.

Deliver effective wound care and trauma management training

BLEEDSMART™ technology simulates realistic bleeding consistent with heart rate and blood pressure. Axilla and groin wounds respond to applied pressure, packing, and wound dressing. Trauma limbs stop bleeding when a tourniquet is properly applied.

Train in situ with wireless and tetherless technology

HAL's tetherless and wireless design allows for point-of-injury care, transport, and patient handoff training. HAL is self-contained, quiet, and fully operational on battery power for up to 10 hours.







Independent aeromedical research laboratory tests conducted on comparable HAL® S3000 simulator

Test	Mil standard	Description	Comment
Vibration	810F Method 514.5	3 Axis Testing	Simulates Vibrations in Jet/UH-60/C-130
EMI	461E Methods CE101/102 and RE 102	Conducted and Radiated Emissions	To Assure that HAL® does not Interfere with Avionics
Aircraft Chamber	Use Test Aircraft	100dB Environment	Simulate High Noise Levels Inside Military Aircraft
High Temperature	810F Method 501.4	Up to 49° C / 120° F	
Low Temperature	810F Method 501.4	Down to 0° C / 32° F	
Humidity	810F Method 501.4	29.5° C / 85° F and 95% Humidity	Hot and Wet Conditions
Altitude + Emergency Decompression	810F Method 500.4	Altitude and Emergency Decompression Testing	Alt. to 18,000 ft. Decomp. at 45,000 ft./3 cycles
Explosive Atmosphere	810F Method 511.4	Verify Operation in Explosive Fuel-Air Atmosphere	
Flight Testing	Use Test Aircraft	Rotary and Fixed Wing	Take off/landing; Banking; Flight; Others

Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software ever. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

Provider evaluation

Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.

Patient profiles

Create simulated patients with detailed active and past medical histories.

User management

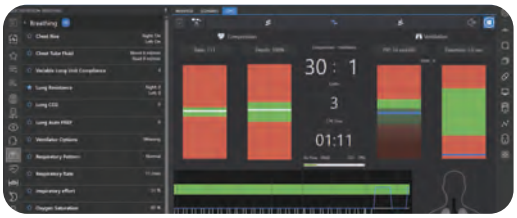
Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results

Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

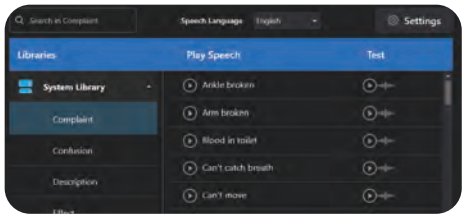
Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.



Real-time CPR feedback

Monitor and assess CPR performance in real-time, simulate perfusion dependent on effectiveness, and export performance reports for debriefing.



Wireless streaming voice

Be the voice of HAL and hear caregiver responses. Create and store vocal responses or select from 80+ pre-recorded phrases.

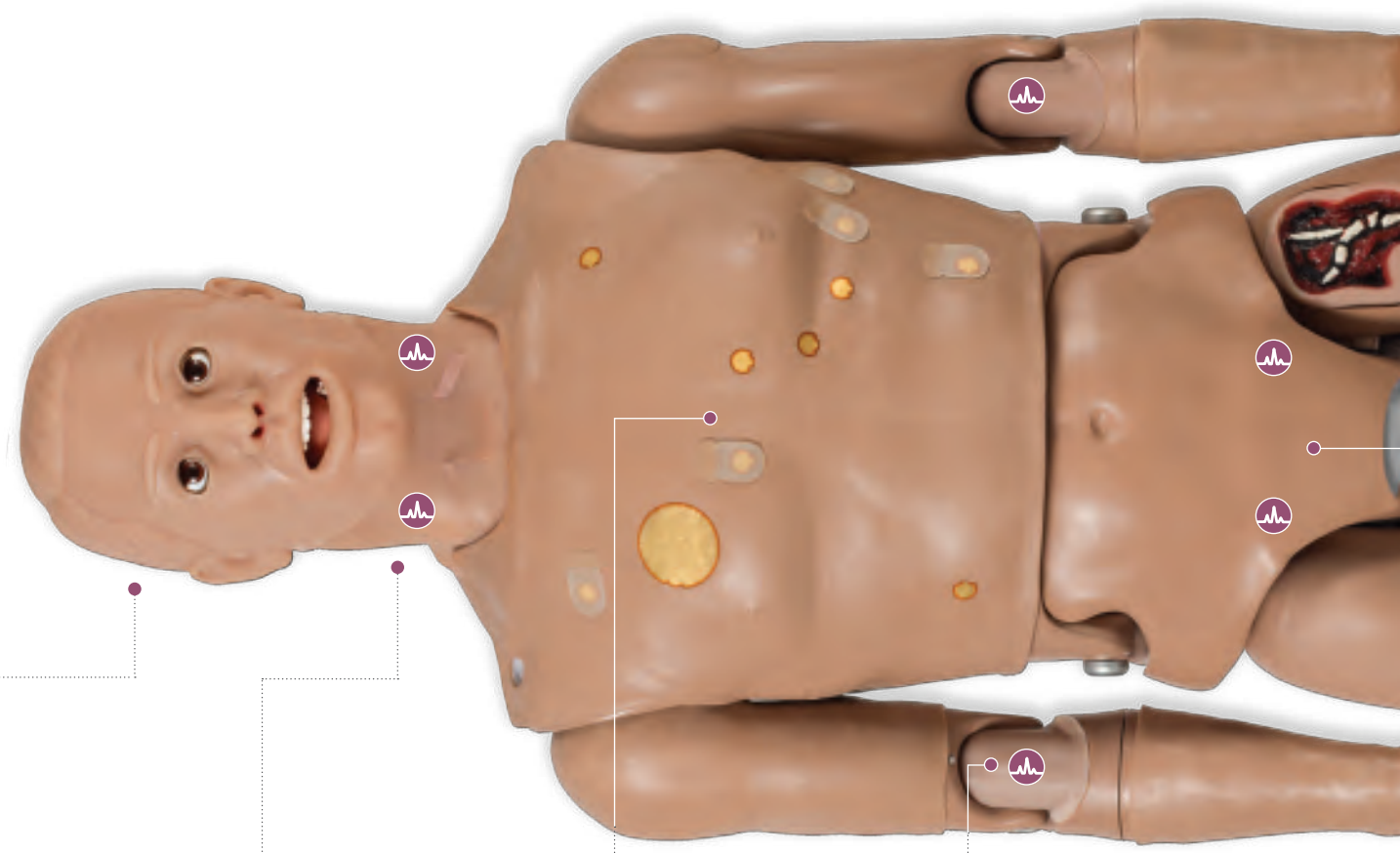


Includes the Trauma HAL® Simulation Learning Experiences™ scenario package

The Trauma HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Airway trauma secondary to an IED detonation
- Acute respiratory distress syndrome secondary to motor vehicle crash
- Blast injury in a civilian setting
- Potential concussion or hypovolemia
- Fall-related injuries
- Gunshot wound to the chest
- Gunshot wound to the leg
- Traumatic limb amputation secondary to motorcycle crash
- Traumatic limb amputation and possible traumatic brain injury
- Traumatic multiple limb amputations with possible traumatic brain injury

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Selected Highlights



- **Splash-proof and rugged**
  Fully functional during soap and water decon spray
- **Liquid suction**
  Supports gastric and airway suctioning techniques
- **Secretions**
  Ears, eyes, and mouth secretions
- **Wireless streaming audio**
  Be the voice of HAL and hear caregiver responses



- **Central Cyanosis**
  Programmable intensity of cyanosis
- **Active eyes**
  Normal, miosis (constricted), and mydriasis (blown) pupil states
- **Independent left/ right pupil states**
  Consensual and nonconsensual response
- **Difficult airway**
  Programmable tongue edema, laryngospasm, and pharyngeal swelling

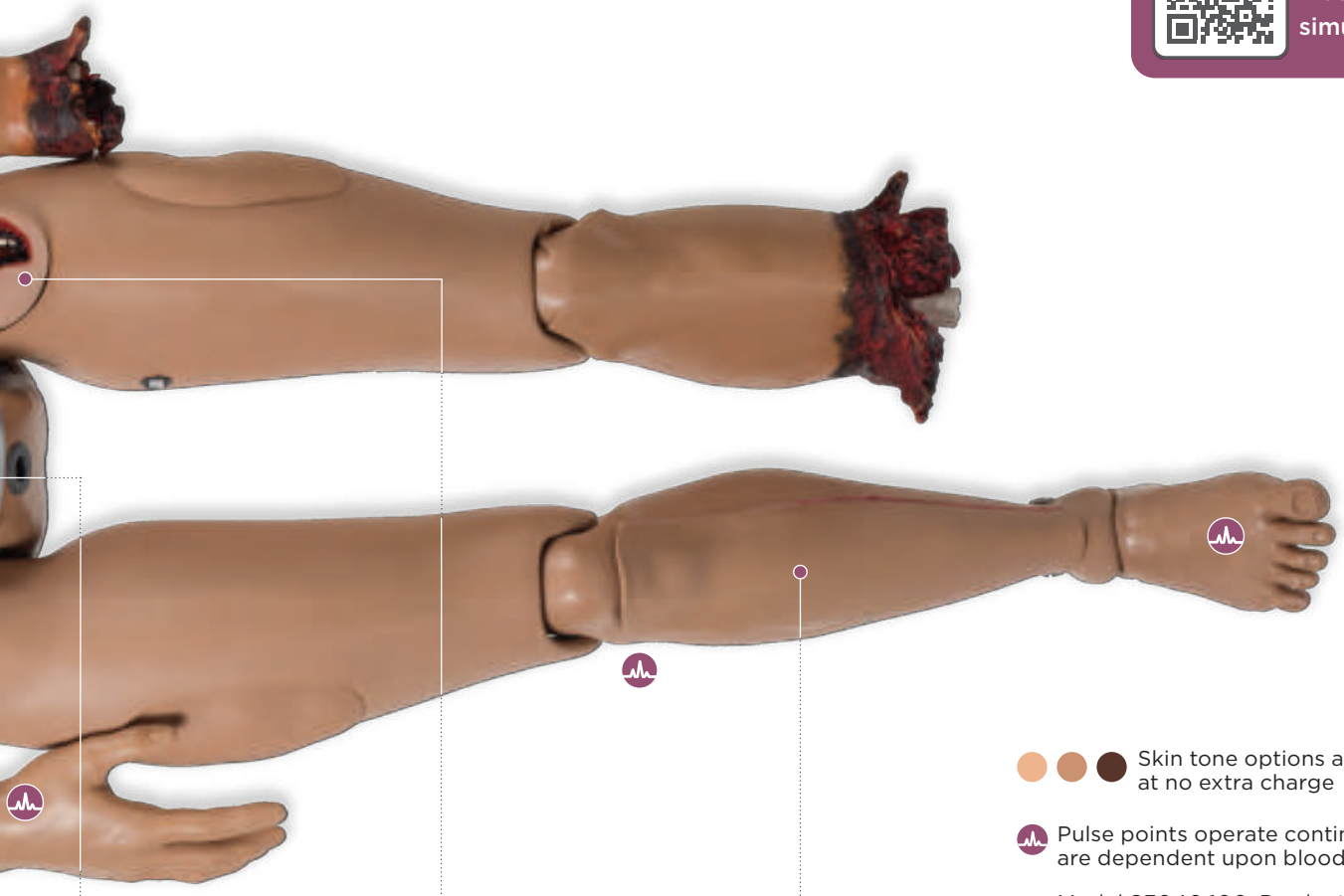


- **Chest tube insertion**
  Supports bilateral chest tube placement
- **Surgical airway**
  Cricothyrotomy, tracheotomy, and tracheal hook exercises
- **Needle decompression**
  Needle insertion detection and audible hiss



- **Compatible with real devices**
  - » Defib and pace using real equipment and live energy
  - » Pulse Oximetry
  - » 4-lead and optional 12-lead upgrade
- **Palpable pulses**
  Carotid, brachial, radial, femoral, popliteal, and pedal pulses
- **Vascular access**
  Sternal & Tibial IO, antecubital & peripheral IV

Scan to browse Trauma Care simulators



Skin tone options available at no extra charge

Pulse points operate continuously and are dependent upon blood pressure

Model S3040.100. Product shown with optional NIBP and 12-lead ECG upgrade.



- **Real-time CPR feedback**
  Monitor CPR quality in real-time
- **Male urinary catheterization**
- **Bowel sounds in four quadrants**



- **Interchangeable trauma limbs**
  Includes interchangeable healthy and trauma limbs
- **Axilla and groin wounds**
  Bleeding wound sites respond to applied pressure.
- **Pressure-sensitive femoral artery**
- **Blood pressure-dependent bleeding rate**



- **Tourniquet application**
  Blood pressure and heart rate dependent bleeding
- **Internal 1.5-liter blood reservoir**



- **Wireless**
  Fully operational on internal battery
- **Tetherless**
  All operating components and blood reservoirs stored inside the body
- **Reinforced limb joints**
  Rugged shoulder and hip joints allow dragging and carrying

	Features	Trauma HAL® S3040.100	Trauma HAL® S3040.50	Trauma HAL® S3040.10
General	Age	Adult	Adult	Adult
	Palpable landmarks including ribs and xiphoidal process	✔	✔	✔
	Ruggedized, articulating joints for dragging or carrying	✔	✔	✔
	Male genitalia	✔	-	-
	Water resistance	Spray	Spray	Spray
	Wireless and tetherless; all operating components are contained inside the patient simulator	✔	✔	✔
	Battery life*	10 hours*	10 hours*	10 hours*
	Available in light, medium, or dark skin tone at no extra charge	✔	✔	✔
Neurological	Eyes simulate normal, miosis (constricted), and mydriasis (blown) pupil state	✔	✔	✔
	Programmable blink rate and eye dilation	✔	-	-
	Programmable seizure/convulsion intensity	✔	-	-
	Eye, ear, and mouth secretions	✔	-	-
	Streaming voice	✔	Option	-
	Preprogrammed speech responses in multiple languages	✔	✔	✔
Airway	Realistic airway with teeth, tongue, epiglottis, and vocal cords	✔	✔	✔
	Articulating neck and jaw for head tilt/chin lift/jaw thrust	✔	✔	✔
	Programmable airway sounds	✔	✔	✔
	Airway complication: laryngospasms	✔	✔	-
	Tongue edema and pharyngeal swelling	✔	-	-
	Surgical airway	✔	✔	-
	Oral and nasal intubation	✔	✔	✔
	Tracheal suctioning (fluids)	✔	✔	✔
Respiratory	Spontaneous chest rise (automatic)	✔	✔	-
	Bilateral lung expansion with bag valve mask ventilation	✔	✔	✔
	Ventilations are measured and logged	✔	✔	✔
	Unilateral chest rise with right mainstem intubation	✔	✔	✔
	Programmable unilateral chest rise	✔	✔	-
	Needle decompression	✔	✔	-
	Anterior upper and lower lung sounds	✔	✔	-
	Bilateral chest drain	✔	✔	-
	Real CO_2 exhalation	Option	Option	-
Circulation	Central cyanosis	✔	-	-
	Bilateral intravenous training arm	✔	✔	-
	Oxygen saturation measurement with real instruments	✔	-	-
	Measurable BP using real automatic monitor	Option	-	-
	Measurable BP using real sphygmomanometer	✔	✔	-
	Korotkoff sounds	✔	✔	-
	Spontaneous pulses	✔	✔	✔
	- Bilateral carotid	✔	✔	✔
	- Bilateral brachial	Right only	-	-
	- Bilateral brachial cubital	✔	-	-
	- Bilateral radial	✔	✔	Right only
	- Bilateral femoral	✔	✔	✔
	- Bilateral popliteal	✔	-	-
	- Bilateral pedal	✔	✔	-
	- Femoral artery pressure sensor	✔	✔	✔
	- Intraosseous access at sternum	✔	-	-
	- Intraosseous access at right tibia	✔	✔	-
	- Bilateral intramuscular injection sites in quadriceps and deltoids	✔	✔	✔

*Battery life estimates dependent on active features and settings; results may vary.

✔ Standard feature

	Features	Trauma HAL® S3040.100	Trauma HAL® S3040.50	Trauma HAL® S3040.10
Cardiac	Chest compression depth and rate measured and logged	✔	✔	✔
	Effective compressions generate palpable pulses	✔	✔	✔
	Defibrillate and pace using real devices and live energy	✔	✔	✔
	Heart sounds	✔	✔	-
	12-lead ECG (MI model + ECG designer)	Option	Option	-
	4-lead ECG	✔	✔	-
Other	Urinary catheterization	✔	-	-
	Esophageal / gastric suctioning	✔	✔	✔
	Bowel sounds	✔	-	-
	Gastric distension with excessive BVM	✔	✔	✔
Trauma	Trauma limbs with bleeding	✔	✔	✔
	- Bilateral trauma arm	✔	Left only	Left only
	- Bilateral trauma leg	✔	Left only	Left only
	Pressure-sensitive axillary trauma wound	✔	-	-
	Pressure-sensitive groin trauma wound	✔	✔	✔
	Healthy lower arms and legs	✔	✔	✔
	Internal 1.5 Liter blood reservoir	✔	✔	✔
	Auto-filling blood reservoir	✔	✔	✔
	Pressure-sensitive bleeding gunshot trauma wound	Option	Option	Option
Control and accessories	Simulator control software license	✔ UNI® 3	✔ UNI® 3	✔ OMNI® 2
	Control interface	✔ Microsoft Surface Pro	✔ Microsoft Surface Pro	✔ Handheld Tablet
	Simulation Learning Experiences™ scenario package	✔	✔	✔
	Gaumard Vitals™ Portable patient monitor	Option	Option	Option
	Gaumard Vitals™ Bedside patient monitor	Option	Option	Option
	Rolling travel case	✔	✔	✔

Trauma HAL®

S3040.100.PK
S3040.50.PK
S3040.10.PK

12-Lead ECG

S3040.100.120
S3040.50.120

Use 12-lead monitoring to identify heart damage. Illustrate different presentations of myocardial infarctions that can be detected by a real ECG monitor. Includes an interactive model of the heart that allows you to create the occlusion point and customize the age of the infarction.

CO_2 Exhalation

S3040.100.078

Real CO_2 exhalation. 10 programmable levels of CO_2 output. Option only available at time of initial purchase.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Consumables

Surgical Trachea Inserts

13030005A

Set of five inserts

Trachea Skin Covers

13080366A

Set of ten covers.

Cricothyroid Membranes

11160225A

Set of ten membranes.

IO Sternal Access Inserts

S3040.100.121

Blood Concentrate

GU.080

4 oz bottle (makes 1 gallon).

Scan to browse Trauma Care simulators



WOUND KITS

Adult

- Designed for Gaumard patient simulators
- Specially formulated silicone offers lifelike look and feel
- Tough, resilient, and reusable
- Ready for use and easy to apply; no makeup or paint required
- Light, medium, or dark skin tone kits available at no extra charge
- Carrying Case included

Adult Emergency Wound Kit

WK100

- 11 wound types
- 18 total wounds

The Emergency Wound Kit assists in training exercises simulating community disasters like bus accidents or building explosions. Practice the proper care, management, and transportation of the injured.





Small skin incision and skin abrasion



Skin incision (cut) medium size



Large skin abrasion



Compound bone fracture



Knife wound and medium skin abrasion



Deep wound in thigh



Contusion to the head with inflammation



Boneless laceration



Thigh suture

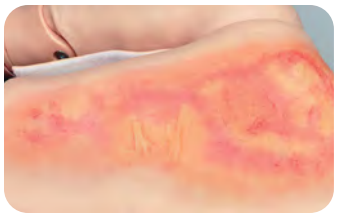
Adult Burn Wound Kit

WK105

- 5 wound types
- 10 total wounds

These wounds simulate multiple burn injury types, allowing students to assess the burn type and prepare a treatment plan. Instructors can evaluate the performance of burn management.

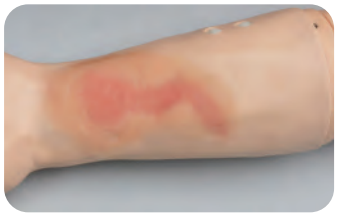




Burn on back



Burn on hand



Burn on forearm



Burn on face



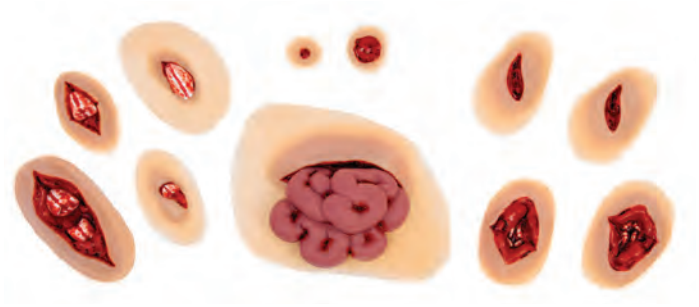
Burn on chest

Adult Trauma Wound Kit

WK110

- 8 wound types
- 10 total wounds

These trauma wounds will assist in training exercises for the military, first responders, and anyone providing treatment to victims of disasters and war. Detailed sculpting and painting create realism for the medics training to respond to these events.





Open humerus fracture



Round gunshot wound



Large caliber wound entry and exit



Open radius/ulna fracture



Open femur fracture



Object embedded in thigh



Abdominal/protruding intestine



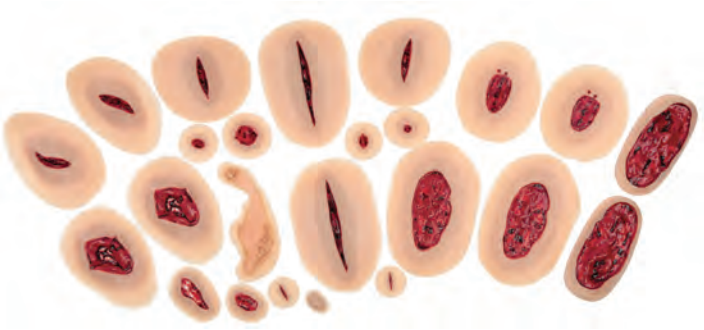
Open tibia fracture

Adult Casualty Wound Kit

WK120

- 14 wound types
- 23 total wounds

This kit contains everything necessary to stage incredibly realistic casualty scenarios. This 23-piece kit has burns, lacerations, compound fractures, gunshot wounds, incisions, abrasions, and more.





Small skin incision & skin abrasion



Left side boneless laceration



Knife wound and medium skin abrasion



Burn on face



Skin incision (cut) medium size



Large caliber wound entry & exit



Object embedded in thigh



Round gunshot wound



Object in thigh and large skin abrasion



Compound bone fracture



Contusion to the head with inflammation



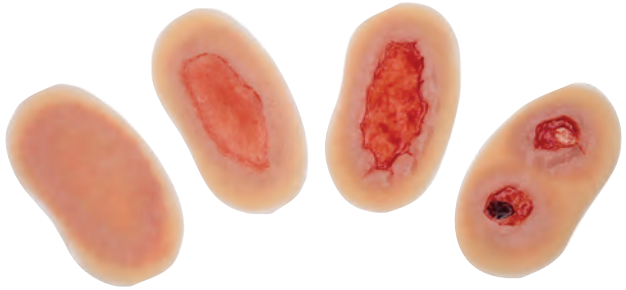
Deep wound in thigh

Decubitus Ulcer Wound Kit

WK145

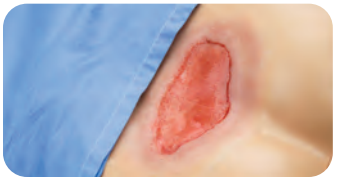
- 4 wound types

The decubitus ulcer wound kit includes Stage 1 through Stage 4 decubitus ulcers, allowing students to assess the severity of the wound and formulate a treatment plan.

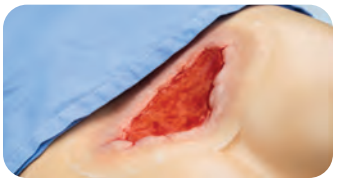




Stage 1 decubitus ulcer



Stage 2 decubitus ulcer



Stage 3 decubitus ulcer



Stage 4 decubitus ulcer



WOUND KITS

Pediatrics

- Designed for Gaumard patient simulators
- Specially formulated silicone offers lifelike look and feel
- Tough, resilient, and reusable
- Ready for use and easy to apply; no makeup or paint required
- Light, medium, or dark skin tone kits available at no extra charge
- Carrying Case included

Scan to browse Trauma Care simulators

Features

- Sized to fit Gaumard five-year-old pediatric simulators
- Specially formulated silicone provides realism not seen in vinyl casualty kits
- Tough and resilient
- Specify light, medium, or dark skin tone kit at no extra charge
- Four kits available
- Includes carrying case
- Perfect for S3005 and Code Blue® III 5 Yr. Old S300.105

Pediatric Incident Wound Kit

WK125

- 11 wound types
- 15 total wounds



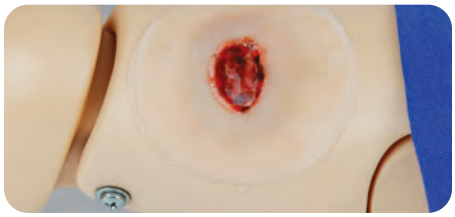
These wounds simulate the most common injury types encountered in pediatric care, including bites, stings, abrasions, contusions, punctures, and incisions, allowing the realistic practice of proper care management.



Femoral abrasion



Bee sting



General abrasion



Shoulder abrasion



Skin rash



General incision



Head contusion



Puncture wound



Snake bite



Human bite



Canine bite

Pediatric Burn Wound Kit

WK130

- 12 wound types
- 12 total wounds

These wounds simulate 1st, 2nd, and 3rd degree burns to the face, hand, and chest. Students can assess the burns to prepare a treatment plan, while instructors can evaluate the performance of burn management.





Facial burn 1st degree



Facial burn 2nd degree



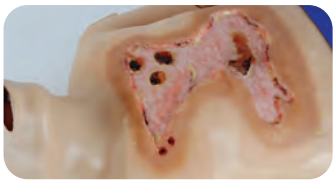
Facial burn 3rd degree



Chest burn 1st degree



Chest burn 2nd degree



Chest burn 3rd degree



Hand burn 1st degree



Hand burn 2nd degree



Hand burn 3rd degree



Neck burn 1st degree



Neck burn 2nd degree



Neck burn 3rd degree

Pediatric Trauma Wound Kit

WK135

- 9 wound types
- 9 total wounds

These wounds assist in training anyone providing treatment to victims of falls, traffic accidents, and other disasters. The detailed wounds create realism for the training of medics.





Upper limb road rash



Radial compound fracture



Tibia compound fracture



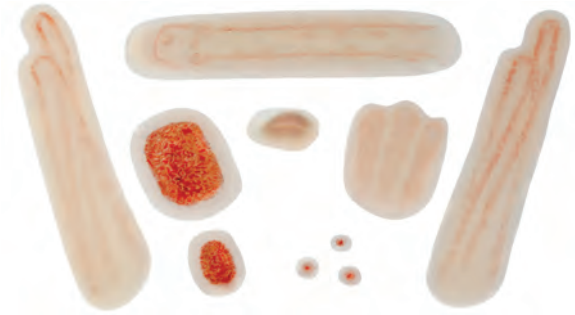
Femur compound fracture

Pediatric Physical Abuse Wound Kit

WK140

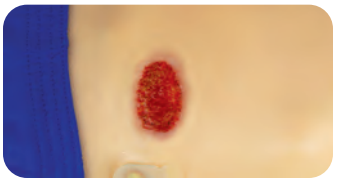
- 7 wound types
- 10 total wounds

These wounds train practitioners to identify and evaluate suspected child abuse and neglect victims. Wounds can be placed in multiple locations on the body to help providers assess non-accidental trauma.





Infected wound - large



Infected wound - small



Belt pattern bruise



Cord pattern bruises



Open hand slap



Cigarette burns



Eye hematoma

Wound Bonding Kit

WK115

Adheres adult, pediatric, and newborn wounds

The Skin Tite™ silicone adhesive/appliance builder is used to attach the overlay wounds to parts of the existing simulator. This bonding agent is a skin-safe silicone that adheres to the skin and perfectly conforms to all contours. Wounds and appliances will not come off until they are peeled off.



Scan to browse Trauma Care simulators

WOUND KITS

Newborns

- Designed for Gaumard newborn patient simulators
- Specially formulated silicone offers lifelike look and feel
- Tough, resilient, and reusable
- Ready for use and easy to apply; no makeup required
- Light, medium, or dark skin tone kits available at no extra charge
- Carrying case included



Scan to browse Trauma Care simulators

Newborn Incident Kit

WK150

- 6 wound types
- 7 total wounds

These wounds simulate the most common injury types for newborns, including bites, stings, scratches, and bumps, allowing the realistic practice of proper care management and continuing observation.


Scalp Hematoma


Laceration


Laceration Scar


Human Bite


Scratches


Mosquito Bite

Newborn Burn Kit

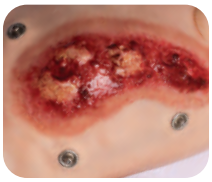
WK155

- 6 wound types
- 8 total wounds

These wounds simulate 1st, 2nd, and 3rd degree burns to the face, abdomen, arms, legs, and back. Students can assess the burns to prepare treatment plans while instructors evaluate burn management and continuing care.


1st-degree burn torso


2nd-degree burn torso


3rd-degree burn torso


1st-degree burn arm


2nd-degree burn arm


3rd-degree burn arm

Newborn Skin/Rash Kit

WK160

- 5 wound types
- 7 total wounds

This kit simulates common skin conditions, including bumps, rashes, patches, and scales. Instructors can evaluate the student's procedural discovery and care of harmless and/or alarming conditions.


Chicken Pox (Front)


Chicken Pox (Back)


Salmon Patch


Diaper Rash (Front)


Diaper Rash (Back)


Seborrheic Dermatitis / Cradle Cap

Newborn Trauma/Abuse Kit

WK165

- 4 wound types
- 7 total wounds

These wounds help students practice how to identify and evaluate suspected child abuse and neglect victims. Wounds can be placed in multiple locations on the body and help assess accidental and non-accidental trauma.


Cephalohematoma


Cigarette Burn


Fingerprint Bruise


Depressed Skull Fracture



SUSIE® S2400

Comprehensive Patient Care Simulator

Scan to browse Adult Nursing Care simulators

Meet SUSIE® S2400—your all-in-one simulation solution for comprehensive patient care training

SUSIE® S2400 is a powerful and versatile training solution specifically designed to streamline high-quality simulation across nursing, allied health, and medicine. Featuring advanced clinical features and the new UNI® 3 control software, SUSIE S2400 enables immersive procedural and scenario-driven exercises using a single platform. This helps simplify your workflow and broaden your program's reach.

Choose from three skin tones at no extra charge.

Light Medium Dark





NG/OG feeding

Practice feeding, medication administration, and lavage/gavage using real fluid



Heart and lung auscultation

High-quality normal and abnormal airway, heart, lung, and bowel sounds



Tracheostomy care

Suction, clean, and dress. Add optional accessory to perform a surgical airway



Ready for interdisciplinary training with the SUSIE® S2400 Simulation Learning Experiences™ scenario package

UNI 3 makes it easy to manage vitals, run scenarios, and track performance for debriefing. The library of ready-made scenarios provides you with evidence-based scenarios that help reduce your workload, increase realism, and standardize training.

1. Alcohol Withdrawal Syndrome
2. Acute Work-Related Airflow Obstruction
3. Bacterial Meningitis
4. Central Line Maintenance
5. Gastrostomy Tube Maintenance
6. Postoperative Adult with Acute Asthma
7. Postoperative Colostomy Care & Maintenance
8. Diabetic Ketoacidosis
9. Difficult Airway
10. Fluid Electrolyte Imbalance
11. Opioid Overdose Postoperatively
12. Suspected Insulin Overdose

Clinical skills development through hands-on training

With its broad set of procedural skill capabilities, SUSIE 2400 enables participants to build confidence and improve proficiency.



Gastrostomy, colostomy, ileostomy

Verify G-tube placement and patency. Administer feeds, meds, and stoma care



Medication administration

Virtual drug recognition, bilateral IV access, IM, and Sub-Q



Breast examination

Includes 7 lifelike breasts with various pathologies for true-to-life inspection, palpation, and identification



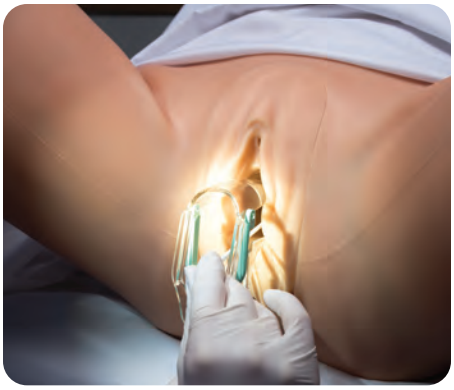
Central venous catheter care

Simulated central venous line insert supports dressing, flushing, fluid/medication administration, and large-volume central line infusion



Resuscitation training

CPR quality sensors provide real-time performance feedback. Monitor, capture, and cardiovert using a real defibrillator, electrodes, and real energy



Gynecological examination

Includes interchangeable normal, pregnant, and pathological uteri and cervices. Perform Pap, sounding, and IUD procedures



Urinary catheterization

Realistic genitalia with internal bladder and fluid return. Practice rectal suppository and enema administration



Use real equipment

ECG, automatic BP, pulse oximeters, glucometers, and defibrillators with real energy

Features

General
- Full-body adult female patient simulator
- SUSIE® S2400 Nursing Simulation Learning Experiences™ scenario package
- Arm, hip, and leg joint articulation
- Patient positions: supine, lateral, Fowler's, dorsal recumbent, lithotomy, and prone
- UNI® 3 unified simulator control software
- Tetherless and wireless; Bluetooth, Gaumard RF, and wired connectivity[1]
- Internal rechargeable battery[2]
- Available in light, medium, and dark skin tones at no additional charge[3]

Neurological
- Blinking and pupillary reaction
- Wireless streaming voice[4]
- Multi-language phrase library
- Programmable seizures

Airway
- Tracheal intubation
- Endotracheal intubation detection
- Tongue edema, laryngospasm, and pharyngeal swelling
- Tracheostomy stoma
- Tracheotomy and cricothyrotomy surgical module option
- Normal and abnormal airway sounds
- Right mainstem intubation

Breathing
- Nasal cannula placement
- Spontaneous breathing with selectable normal and abnormal patterns
- Bilateral and unilateral chest rise
- Four anterior and posterior lung auscultation fields
- New, high-quality lung sound library
- Ventilations are measured and logged
- Real CO_2* exhalation (option)
- Compatible with LungSim™ virtual mechanical ventilator simulator

Cardiac
- New, high-quality heart sound library
- 4-lead monitoring with real devices
- Real-time CPR quality feedback reporting
- UNI® 3D Myocardial Infarction Module
- UNI® 12-lead ECG Designer
- Virtual 12-lead ECG print
- Monitor, capture, pace, and cardiovert using real defibrillators and live energy

Circulation
- Subclavian central line site: dressing, line care, and fluid/medication administration[5]
- Bilateral palpable pulses: carotid, brachial, radial, femoral, popliteal, and pedal pulses
- Bilateral oscillometric blood pressure monitoring with real devices
- Bilateral auscultatory blood pressure
- Pulse oximetry with real devices
- Programmable circumoral cyanosis
- Fingerstick glucose testing

Medication administration
- Bilateral forearm and hand IV access
- IV bolus, push, or high-volume infusion
- Quadriceps and buttocks IM site
- Sub-Q injection sites in the upper arm
- Automatic drug recognition detects virtual medications injected into the right anterior forearm

Gastrointestinal
- NG/OG feeding and medication
- Gastric lavage and gavage
- NG tube gastric placement detection
- Internal stomach reservoir
- Verify G-tube placement and patency. Administer feeds, medications, and stoma care
- Colostomy irrigation and stoma care
- Ileostomy stoma care
- Bowel sounds on four quadrants

Genitourinary
- Urinary catheterization with fluid return
- Interchangeable male genitalia option
- Rectal suppository and enema

Wound care
- Decubitus ulcers, ulcerated foot

Breast examination
- Breast exam inspection, palpation, and identification
  - » Right breasts: normal breast, breast with fibrocystic changes, breast with retracted nipple
  - » Left breasts: breast with discrete benign nodes, breast with benign mass, breast with giant sarcoma, breast with scirrhous carcinoma
- Standard and axillary arm positioning for clinical breast examination

Gynecological
- Gynecological examination and procedures: bimanual pelvic, speculum insertion, cervix visualization, Pap, douching, sounding, IUD management
- Uteri (anteverted, retroverted, IUD, 6-8, 10-12, 20-week pregnant), normal and abnormal cervix sets, pregnant cervix sets (6-8, 10-12 week)
- Uteri with external pathologies: size variations, positional changes, conditions (myomatous, salpingitis, ovarian cysts), and bicornuate form
- Uteri with internal pathologies: anteverted, polyposis, varied polyps, hyperplasia, myomatous, early to advanced carcinoma, fundus carcinoma, subseptate

SUSIE® S2400 (International)

S2400-I.PK

SUSIE® S2400, UNI® 3 Tablet PC, Gaumard RF module, SUSIE S2400 Simulation Learning Experience scenario package, Breast Examination Pack, GYN Pack, Uterine Pathologies Pack, accessories, user guide, roller case, and Two-Year Limited Warranty. Skin tones available at no extra charge.

Accessories

Male Genitalia

30081603A (L)
30081604A (M)
30081605A (D)

Male genitalia with interchangeable testes

CO_2 Exhalation Adapter

30080347A

External CO_2 adapter

Surgical Trachea Module

30081607A (L)
30081608A (M)
30081609A (D)

Surgical airway insert pack

Gaumard Vitals™ Virtual Monitor

30081003B Portable
30080154B Bedside

Defibrillation Adapter Cables

Philips **30081610A**
Zoll **30081611A**
Physio **30081612A**

1. Maximum wireless range will vary depending on environmental factors and conditions. 2. Battery life estimates dependent on active features and settings; results may vary. 3. Option only available at time of initial purchase. 4. Some audio features are not available in long-range RF wireless mode. 5. Compatible with Gaumard central venous catheter insert only.



SUSIE® S2000 | S1001 | S901

Clinical Nursing Patient Simulators

- Includes 10 Simulation Learning Experiences™ and Facilitator's Guide
- Wireless streaming audio
- Use real equipment: ECG, pacing, AED, BP cuff, SpO_2
- Auscultation, pulse palpation, and IV training
- NG tube feeding, stoma care, and GYN examination
- Wireless and tetherless
- Converts to geriatric patient with optional appearance accessory

Meet SUSIE®, our most complete and capable simulation-based nursing solution yet

SUSIE S2000 is an advanced, wireless and tetherless patient simulator and learning resource package designed to facilitate the delivery of effective and realistic simulation learning experiences to nursing learners of all levels. SUSIE includes everything you need for rapid integration into your nursing curricula in one easy-to-use package.



Patient Monitor Sold Separately

SUSIE® S2000 Nursing Simulation Learning Experiences™

The Gaumard Nursing SLEs provide a learning resource comprised of 10 outcome-focused scenarios designed to replicate clinical situations. Each SLE comes complete with a detailed facilitator guide for setting up, planning, and facilitating the learning experience.

Includes 10 interactive scenarios and a companion guide.

- Acetaminophen Overdose / Liver Failure
- Acute Myocardial Infarction - II
- Acute Respiratory Distress Syndrome Secondary to MVC II
- COPD Exacerbation II
- Diabetic Ketoacidosis
- Fluid and Electrolyte Imbalance II
- Heart Failure II
- Pneumonia II
- Potential Cervical Carcinoma
- Sepsis II

Each Nursing SLE includes the following key features:

- Purpose of the SLE
- Evidence-based rationale for the topic
- Learning objectives of the SLE
- Competencies addressed
- Psychomotor skills needed for successful participation
- Patient's medical history
- Supplies needed for the scenario
- Provider's Orders
- Prebriefing report to be given to students
- Scenario timeline with facilitator cues
- Scenario flowchart

Each Nursing SLE is mapped to the outcomes expected of graduates of nursing programs.

- NCLEX-RN® Test Blueprint
- BSN Essentials
- QSEN competencies
- IPEC core competencies

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Perfect for both skills training and clinical simulation

SUSIE's physical and physiological features allow learners to train practical skills using real techniques, medical tools, and devices. Additionally, SUSIE's breast and gynecological exam capabilities offer practice for learners in specialized nursing and medicine.



Physiologic responses include streaming audio conversations, seizures, eye dilation, reactivity, and blinking rate.



Normal and abnormal airway, heart, lung, and bowel sounds.



Practice tracheostomy care procedures, including insertion, cleaning, and replacing cannulas safely.



Bilateral IV access for bolus and/or infusion; deltoid and thigh IM sites support placement exercises.



Supports endotracheal intubation and NG/OG feeding. Enable difficult airway: tongue edema, pharyngeal swelling, and laryngospasm.



Blood pressure can be taken using BP cuff, palpation, or auscultation methods.



Real-time CPR feedback - Monitor CPR quality metrics, including compression rate and depth, no-flow time, and ventilation volume.



Use real equipment, including ECG monitors, BP cuffs, pulse oximeters, and defibrillators with live energy.



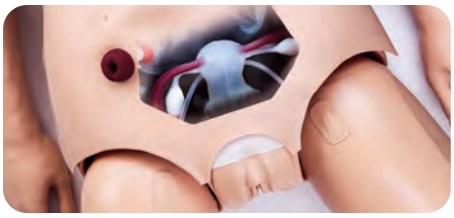
Quickly and easily convert SUSIE into a geriatric patient with the Geriatric Face Overlay accessory option.



Includes seven lifelike, interchangeable breasts to practice detecting and evaluating various pathologies.



Interchangeable male/female genitalia allows catheterization. Rectum supports enemas and removing intestinal fluids introduced via NG tube.



Interchangeable normal and abnormal uteri and cervices simulate various pathologies and stages in pregnancy.

Features

General
- Full-body adult patient
- Tetherless and wireless; fully responsive during transport[1]
- Realistic joint articulation
- Compatible with optional virtual patient monitor
- Internal rechargeable battery; up to 4hr battery life[2]
- Converts to male patient; includes male chest and genitalia

Neurological
- Active Eyes: programmable blink rate, pupil size, and pupil reaction
- Severe or mild seizures
- Preprogrammed speech responses in multiple languages
- Wireless streaming voice

Airway
- Oral or nasal endotracheal intubation/ suctioning
- Programmable difficult airway: Laryngospasm, pharyngeal swelling, tongue edema
- Sensors detect depth of intubation
- Tracheostomy care
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sound types

Breathing
- Control rate and depth of respiration and observe spontaneous breathing
- Ventilation is measured and logged
- Anterior and posterior lung sounds in all quadrants
- Visible chest rise during BVM ventilation

Cardiac/circulation
- Normal and abnormal heart sounds, rates, and intensities
- ECG monitoring using real devices
- Real-time CPR feedback sensors; chest compressions are measured and logged
- Monitor, capture, pace, and cardiovert using a real defibrillator and live energy
- Bilateral IV training arms and IM sites
- Measurable blood pressure and audible Korotkoff sounds
- Monitor oxygen saturation using your real native oximeter
- Visible cyanosis
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses
- Fingerstick bleeding
- Interchangeable ulcerated foot

Gastrointestinal
- NG/OG tube placement and feeding
- Bowel sounds
- Patent stoma sites support colostomy and ileostomy care
- Rectum supports enemas
- Male/female catheterization

Breast examination
- Supports breast examination techniques and identifying pathologies. BSE pack includes:
  - » Five interchangeable left breasts, which include fibrocystic changes, a benign tumor with stalk, a giant sarcoma, scirrhous carcinoma, and a retracted nipple
  - » Two right breast contains 8, 10, 16, and 20mm lumps for BSE

Gynecology examination
- Perform bimanual pelvic exam with interchangeable uteri
- Insert speculum and view interchangeable cervices
- Perform Pap/douching/sounding
- GYN package includes:
  - » Anteverted uterus
  - » Retroverted uterus
  - » IUD uterus (installed)
  - » 6-8 Week pregnant uterus
  - » 10-12 Week pregnant uterus
  - » 20 Week pregnant uterus
  - » 6-8 Week pregnant uterus with short ovarian ligaments
  - » Normal cervix (set of 5, 1 installed)
  - » Abnormal set of cervix (set of 6)
  - » 6-8 Week pregnant cervix (set of 3)
  - » 10-12 Week pregnant cervix (set of 3)

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

SUSIE® S2000

S2000.PK

SUSIE Tetherless Adult Patient Simulator, UNI® 3 Tablet PC, RF communications module, Bluetooth communications module, Nursing Simulation Learning Experience scenario package, GYN Pack and BSE Pack, accessories, user guide, roller case, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Geriatric Appearance Accessory

30081260A

Easily and quickly convert face and hair to an elderly patient for geriatric scenario-based simulations and skill training exercises. Package includes removable geriatric face skin and removable wig.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

External Pathologies Uterine Package

S2000.235

Includes various uteri simulating enlarged, small, moderate retroversion, myoma, left side salpingitis, severely anteverted-anteflexed, large ovarian cyst, medium ovarian cyst, and bicornate pathologies.

Internal Pathologies Uterine Package

S2000.236

Includes various uteri simulating normal anteverted, polyposis, varied polyps, hyperplasia, myoma, early carcinoma, advanced carcinoma, fundus carcinoma, and subseptate pathologies.

Scan to browse Adult Nursing Care simulators

Meet SUSIE® S1001 Innovative technology and a great value

SUSIE S1001 is realistic and completely wireless and tetherless. These great features enable you to deliver competency-building exercises in the skills lab and realistic clinical experiences in nearly all the environments where nursing care takes place.



Patient Monitor Sold Separately

SUSIE® S1001/S901 Nursing Simulation Learning Experiences™

The Gaumard Nursing SLEs offer you a comprehensive library of outcome-focused scenarios optimized for use with the SUSIE S1001 and S901 models. Each SLE comes complete with a detailed facilitator guide for setting up, planning, and facilitating the learning experience.

Includes 10 interactive scenarios and a companion guide.

- Acute Myocardial Infarction
- Acute Respiratory Distress Syndrome Secondary to Motor Vehicle Crash
- Asthma Attack
- Chronic Obstructive Pulmonary Disorder Exacerbation
- Fluid and Electrolyte Imbalance
- Heart Failure
- Hypoglycemia
- New-Onset Diabetes
- Pneumonia
- Sepsis

Each Nursing SLE includes the following key features:

- Purpose of the SLE
- Evidence-based rationale for the topic
- Learning objectives of the SLE
- Competencies addressed
- Psychomotor skills needed for successful participation
- Patient's medical history
- Supplies needed for the scenario
- Provider's orders
- Prebriefing report to be given to students
- Scenario timeline with facilitator cues
- Scenario flowchart

Each Nursing SLE is mapped to the outcomes expected of graduates of nursing programs.

- NCLEX-RN® Test Blueprint
- BSN Essentials
- QSEN competencies
- IPEC core competencies

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.



Supports nasogastric feeding and suctioning using real fluids



Use real equipment including ECG monitors, BP cuffs, pulse oximeters, and defibrillators with live energy.

Features

General
- Full-body adult patient
- Tetherless and wireless; fully responsive during transport[1]
- Realistic joint articulation
- Internal rechargeable battery; up to 4hr battery life[2]

Neurological
- Preprogrammed speech responses
- Wireless streaming voice
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Optional programmable blink rate[3]

Airway
- Oral or nasal endotracheal intubation/suctioning
- Laryngospasm, tongue edema
- Sensors detect depth of intubation
- Tracheostomy care
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sound types

Breathing
- Control rate and depth of respiration and observe spontaneous breathing
- Ventilation is measured and logged
- Anterior lung sounds
- Visible chest rise during BVM ventilation

Cardiac/circulation
- Normal and abnormal heart sounds, rates, and intensities
- ECG monitoring using real devices
- Real-time CPR feedback sensors; chest compressions are measured and logged
- Monitor, capture, pace, and cardiovert using a real defibrillator
- Bilateral IV training arms and IM sites
- Measurable blood pressure and audible Korotkoff sounds
- Oxygen saturation sensor placement detection
- Bilateral carotid, radial, femoral, and pedal pulses

Gastrointestinal
- NG/OG tube placement and feeding
- Programmable bowel sounds
- Patent stoma sites support colostomy and ileostomy care
- Rectum supports enemas
- Male/female urinary catheterization

Breast examination
- Supports breast examination

Gynecologic examination
- Perform bimanual pelvic exam with interchangeable uteri
- Insert speculum and view interchangeable cervices
- Perform Pap/douching/sounding
- GYN package includes:
  - » Anteverted uterus
  - » Retroverted uterus
  - » IUD uterus (installed)
  - » 6-8 Week pregnant uterus
  - » 10-12 Week pregnant uterus
  - » 20 Week pregnant uterus
  - » 6-8 Week pregnant uterus with short ovarian ligaments
  - » Normal cervix (set of 5, 1 installed)
  - » Abnormal set of cervix (set of 6)
  - » 6-8 Week pregnant cervix (set of 3)
  - » 10-12 Week pregnant cervix (set of 3)

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

3. Option available only at the time of order.

SUSIE® S1001

S1001.PK

SUSIE Tetherless Adult patient simulator, UNI® 3 Laptop PC, RF communications module, Bluetooth communications module, SUSIE® S1001/S901 Nursing Simulation Learning Experiences scenario package, GYN Pack, accessories, user guide, roller case, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

Geriatric Appearance Accessory

30081260A

Easily and quickly convert face and hair to an elderly patient for geriatric scenario-based simulations and skill training exercises. Package includes removable geriatric face skin and removable wig.

Breast Palpation Training Kit

S1001.057

Four interchangeable left breasts, including a benign tumor with stalk, a giant sarcoma, a scirrhous carcinoma, and an inverted nipple. One right breast contains 8, 10, 16, and 20 mm-sized lumps.

Male Chest Skin with ECG Patches

30011666B

Add the male chest skin and convert SUSIE into a male patient. Chest skin supports four-lead ECG monitoring on conductive patches using real heart monitors.

Male Chest Skin with ECG Snaps

30011669B

Add the male chest skin and convert SUSIE into a male patient. Chest skin supports four-lead ECG monitoring on conductive snaps using real heart monitors.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

Programmable Blinking Rate[3]

30120004A

Programmable blink rate.

Meet SUSIE® S901
A complete solution built for achieving outcome-focused success

The SUSIE S901 combines the best nursing patient simulator features with the latest evidence-based simulation methodology in one easy-to-use package. Now, with OMNI® 2, it's easier than ever to facilitate effective simulation learning experiences.

Scenario library included

Use the scenarios included or quickly and easily create your own.

Time-stamped event recording and reporting

The automated event tracking and interaction recorder ensures important events are always captured so you can focus on the action.

Real-time CPR feedback and Monitoring

Monitor and assess CPR performance in real-time and export CPR quality reports to measure the progress of multiple learners.



Patient Monitor Sold Separately

SUSIE® S1001/S901 Nursing Simulation Learning Experiences™

The Gaumard Nursing SLEs offer you a comprehensive library of outcome-focused scenarios optimized for use with the SUSIE S1001 and S901 models. Each SLE comes complete with a detailed facilitator guide for setting up, planning, and facilitating the learning experience.

Includes 10 interactive OMNI® 2 scenarios and a companion guide.

- Acute Myocardial Infarction
- Acute Respiratory Distress Syndrome Secondary to Motor Vehicle Crash
- Asthma Attack
- Chronic Obstructive Pulmonary Disorder Exacerbation
- Fluid and Electrolyte Imbalance
- Heart Failure
- Hypoglycemia
- New-onset Diabetes
- Pneumonia
- Sepsis

Each Nursing SLE includes the following key features:

- Purpose of the SLE
- Evidence-based rationale for the topic
- Learning objectives of the SLE
- Competencies addressed
- Psychomotor skills needed for successful participation
- Patient's medical history
- Supplies needed for the scenario
- Provider's orders
- Prebriefing report to be given to students
- Scenario timeline with facilitator cues
- Scenario flowchart

Each Nursing SLE is mapped to the outcomes expected of graduates of nursing programs.

- NCLEX-RN® Test Blueprint
- BSN Essentials
- QSEN competencies
- IPEC core competencies

To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

Simulate patient neurologic state with wireless streaming voice to speak as SUSIE and pupils that simulate normal, miosis (constricted), or mydriasis (blown) states



Features

General
- Full-body adult patient
- Tetherless and wireless; fully responsive during transport[1]
- Realistic joint articulation
- Compatible with optional virtual patient monitor
- Internal rechargeable battery; up to 4hr battery life[2]
- OMNI 2 ready

Neurological
- Preprogrammed speech responses
- Wireless streaming voice
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Optional programmable blink rate[3]

Airway
- Oral and nasal endotracheal intubation and suctioning
- Sensors detect depth of intubation
- Tracheostomy care
- Selectable airway sounds

Breathing
- Visible chest rise with BVM ventilation
- Ventilations are measured and logged
- Normal and abnormal lung sounds
- Optional spontaneous chest rise programmed to synchronize with airway/lung sounds[3]

Cardiac/circulation
- Normal and abnormal heart sounds, rates, and intensities
- Real-time CPR feedback: compressions and ventilations are measured and logged
- Monitor, capture, pace, and cardiovert using a real defibrillator
- Bilateral IV access
- Measurable blood pressure and audible Korotkoff sounds
- Bilateral (automatic) carotid, radial, femoral, and pedal pulses

Gastrointestinal
- NG/OG tube placement and feeding
- Programmable bowel sounds
- Patent stoma sites support colostomy and ileostomy care
- Rectum supports enemas
- Male/Female catheterization

GYN and breast exam
- Supports basic GYN exam; compatible with optional adv. GYN skills training kit
- Supports advanced breast examination; compatible with optional adv. skills training kit

SUSIE® S901

S901.PK

Tetherless Adult Patient Simulator, OMNI 2 Wireless Control Interface, SUSIE® S1001/S901 Nursing Simulation Learning Experiences scenario package, One-Year Limited Warranty. Extended warranty plans available.

Geriatric Appearance Accessory

30081260A

Easily and quickly convert face and hair to an elderly patient for geriatric scenario-based simulations and skill training exercises. Package includes removable geriatric face skin and removable wig.

Breast Palpation Training Kit

S901.057

Four interchangeable left breasts, including a benign tumor with stalk, a giant sarcoma, a scirrhous carcinoma, and an inverted nipple. One right breast contains 8, 10, 16, and 20 mm-sized lumps.

Programmable Blinking Eyes and Chest Rise[3]

30120001A

Programmable blink rate. Spontaneous chest rise programmed to synchronize with lung and airway sounds.

Standard GYN Package Kit

S901.056.R2

Anteverted uterus, retroverted uterus, IUD uterus, 6-to-8-week pregnant uterus, 6-to-8-week uterus with short ovarian ligaments, 10-to-12-week uterus, and 20-week uterus. Set of normal patent cervices. Set of abnormal cervices. 6-to-8-week and 0-to-12-week pregnant cervices.

Male Chest Skin with ECG Patches

30011666B

Add the male chest skin and convert SUSIE into a male patient. Chest skin supports four-lead ECG monitoring on conductive patches using real heart monitors.

Male Chest Skin with ECG Snaps

30011669B

Add the male chest skin and convert SUSIE into a male patient. Chest skin supports four-lead ECG monitoring on conductive snaps using real heart monitors.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

Simulator Transport Case

S901.060

Soft roller transport case.

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

3. Option available only at the time of order.

SUSIE® Series — Features Comparison

	Features	SUSIE® S2400	SUSIE® S2000	SUSIE® S1001	SUSIE® S901
General	Adult, full-body patient simulator	✔	✔	✔	✔
	Supports standard patient positions: supine, lateral, Fowler's, semi-Fowler's, and dorsal recumbent	✔	✔	✔	✔
	Male chest conversion	Option	✔	Option	Option
	Interchangeable geriatric appearance accessory with hair and face skin	-	Option	Option	Option
	Available in light, medium, or dark skin tones at no extra charge	✔[1]	✔[1]	✔[1]	✔[1]
	Tetherless; all operating components are contained inside the patient simulator	✔	✔	✔	✔
	Wireless communication; fully functional during transit	✔[2]	✔[2]	✔[2]	✔[2]
	Battery life	4 hours[3]	4 hours[3]	4 hours[3]	4 hours[3]
Neuro	Active eyes: programmable blink rate	✔	✔	Option[4]	Option[4]
	Reactive eyes: photosensitive pupils and variable dilation	✔	✔	-	-
	Normal, miosis (constricted), and mydriasis (blown) pupil states	✔	✔	Manual[4]	Manual[4]
	Wireless streaming voice: Be the voice of SUSIE and listen to responses in real time	✔	✔	✔	✔
	Prerecorded responses in multiple languages	✔	✔	✔	✔
	Seizures	✔	✔	-	-
Airway	Anatomically accurate oral cavity and airway	✔	✔	✔	✔
	Supports airway intubation with conventional airway adjuncts	✔	✔	✔	✔
	Tracheal intubation detection	✔	✔	✔	✔
	Tracheostomy care site suctioning, cleaning, and dressing	✔	✔	✔	✔
	Surgical airway supports tracheotomy and cricothyrotomy	Option	-	-	-
	Tongue edema and laryngospasm	✔	✔	✔	-
	Pharyngeal swelling	✔	✔	-	-
	Normal and abnormal airway sounds synchronized with breathing	✔	✔	✔	✔
Breathing	Programmable spontaneous chest rise with selectable respiratory patterns	✔	✔	✔	Option[4]
	Customizable respiratory rate and inspiratory/expiratory ratios	✔	✔	✔	Lung Sound Only
	Programmable unilateral chest rise and fall	✔	✔	✔	-
	Right mainstem intubation automatically presents unilateral chest rise	✔	✔	✔	✔
	Bilateral chest rise with positive pressure ventilation (BVM)	✔	✔	✔	✔
	Assisted ventilations are measured and logged in real-time	✔	✔	✔	✔
	Selectable normal and abnormal lung sounds	✔	✔	✔	✔
	Anterior auscultation lung fields	4 Quadrants	4 Quadrants	Upper L/R	Upper L/R
	Posterior auscultation lung fields	4 Quadrants	4 Quadrants	-	-
	Exhales real and measurable CO_2	Option	-	-	-
Cardiac	Heart auscultation field and selectable heart rate	✔	✔	✔	✔
	Comprehensive library of normal and abnormal heart sounds	✔	✔	✔	✔
	Real monitoring with 4-lead ECG devices	✔	✔	✔	✔
	Includes comprehensive library of ECG rhythms with customizable beat variations	✔	✔	✔	✔
	UNI® 3 3D Myocardial Infarction Module and ECG Designer: 12-lead waveform editor	✔	-	-	-
	Real-time CPR feedback, performance monitor, and trainer	✔	✔	✔	✔
	Chest compressions generate palpable pulses	✔	✔	✔	✔
	Monitor, capture, pace, and cardiovert using real defibrillators and live energy	✔	✔	✔	✔
	Supports virtual pacing and defibrillation	✔	✔	✔	✔
	Available with snap or patch-compatible ECG and defibrillation sites	✔	Option[1]	Option[1]	Option[1]

✔ Standard feature

	Features	SUSIE® S2400	SUSIE® S2000	SUSIE® S1001	SUSIE® S901
Circulation	Simulated subclavian central line supports dressing, flushing, and fluid/medication administration	✔	-	-	-
	Automatic, bilateral palpable pulses:	✔	✔	✔	✔
	- Carotid, radial, femoral, and pedal	✔	✔	✔	✔
	- Brachial, popliteal	✔	✔	-	-
	Measure blood pressure via automatic blood pressure cuff	✔	-	-	-
	Measure blood pressure via auscultatory method (sphygmomanometer)	✔	✔	✔	✔
	Monitor pulse oximetry with real devices	✔	✔	Sensor Detection	-
	Circumoral cyanosis with variable intensity	✔	✔	-	-
	Fingerstick blood draw	✔	✔	Option[1]	Option[1]
	Fingerstick glucose sampling compatible with real glucometer	✔	-	-	-
	Bilateral concealed intravenous access in forearm and hand	✔	✔	✔	✔
	Virtual drug recognition arm detects virtual medications injected into right anterior forearm	✔	Option[1]	-	-
	Supports intravenous bolus, push, or high-volume infusion	✔	✔	✔	✔
	Realistic arm skin with lifelike feel	✔	-	-	-
	Intramuscular injection sites: quadriceps, dorsogluteal, and deltoid	✔	✔	✔	✔
	Bilateral subcutaneous injection sites in upper arm	✔	-	-	-
Gastrointestinal	NG/OG insertion, feeding, and medication administration	✔	✔	✔	✔
	Esophageal intubation detection	✔	✔	✔	-
	Gastric lavage and gavage; internal gastric fluid reservoir	✔	Gavage Only	Gavage Only	Gavage Only
	Selectable normal and abnormal bowel sounds	4 Quadrants	4 Quadrants	✔	✔
	Verify G-tube placement and patency. Administer feeds, meds, and stoma care	✔	-	-	-
	Colostomy irrigation and stoma care	✔	✔	✔	✔
	Ileostomy stoma care	✔	✔	✔	✔
	Patent rectum for rectal suppository and enema administration	✔	✔	✔	✔
Genitourinary	Urinary catheterization with fluid return	✔	✔	✔	✔
	Female genitalia	✔	✔	✔	✔
	Interchangeable male genitalia	Option	✔	✔	✔
Women's Health	Breast exam inspection, palpation, and identification	✔	✔	✔	✔
	Five interchangeable breasts with normal and abnormal findings	✔	✔	Option	Option
	Supports arm-over-the-head position and lithotomy position	✔	-	-	-
	Gynecological examination: bimanual pelvic, speculum insertion, and cervix visualization	✔	✔	✔	✔
	Interchangeable 6-20 week pregnant uteri and cervices	✔	✔	✔	Option
	Normal and abnormal uteri with internal pathologies	✔	Option	Option	Option
	Normal and abnormal uteri with externally palpable pathologies	✔	Option	Option	Option
Wound Care	Decubitus ulcers	✔	✔	✔	✔
	Ulcerated foot	✔	✔	Option	Option
Control	Simulator control software license	UNI® 3	UNI® 3	UNI® 3	OMNI® 2
	Simulator control device	Microsoft Surface Pro	Microsoft Surface Pro	Laptop PC	Handheld Tablet
	Simulation Learning Experiences™ scenario package	✔	✔	✔	✔
	Gaumard Vitals™ Bedside patient monitor	Option	Option	Option	Option
	Gaumard Vitals™ Portable patient monitor	Option	Option	Option	Option
	Transport case	✔	✔	✔	Option

1. Option available only at the time of order. 2. Maximum wireless range will vary depending on environmental factors and conditions. 3. Battery life estimates dependent on active features and settings; results may vary. 4. Automatic blinking eyes and spontaneous chest rise/fall option is available at initial time of purchase only; option removes tri-state pupil feature.



Susie Simon®

Advanced Patient Care Simulators

Meet Susie Simon®. The original nursing patient simulator trusted by nursing programs around the world

Susie Simon is a proven solution for teaching basic and advanced nursing skills, including safe patient handling, auscultation, Foley catheterization, stoma care, IV therapy, and much more.

Susie Simon® with Ostomy

Susie Simon® with OMNI® 2

S201.250.PK

Susie Simon® Basic

S201.PK



Simple Simon®

Simple Simon®

S205.PK



Simple Susie®

Simple Susie®

S206.PK



Features	**S200** Susie Simon®	**S201** Susie Simon® with Ostomy	**S205** Simple Simon®	**S206** Simple Susie®
General Patient Care				
Bathing and bandaging activity	●	●	●	●
Full body	●	●	●	●
Interchangeable genitalia	●	●	-	-
Eyes open and close	●	●	●	●
Realistic eyes for ophthalmic exercises	●	●	●	●
Realistic urethral passage and bladder for catheterization exercises	●	●	-	-
Upper and lower dentures for oral hygiene	●	●	●	●
Soft, realistic face skin, hands, feet, fingers, and toes	●	●	●	●
Simulated ear canal for otic drops and irrigation	●	●	●	●
Colostomy and ileostomy stomas to practice irrigation	○	●	-	-
Gastrointestinal procedures and enema administration	●	●	-	-
Stylish wig for haircare exercises and surgical draping	●	●	-	●
Amputation stump	○	○	○	○
Set of two decubitus ulcers	○	○	○	○
Ulcerated foot	○	○	○	○
Articulating head, jaw, elbows, wrists, ankles, and knees	●	●	●	●
Injection Training				
IM injection sites in deltoids, quadriceps, and upper gluteal region	●	●	●	●
Advanced Multipurpose Intravenous Training Arm	○	○	○	○
Advanced Intravenous Training Arm	○	○	○	○
Arterial and Venous Training Arm	○	○	○	○
Heart and Lung Sounds				
Site-specific heart and lung sounds with Virtual Stethoscope	○	○	○	○
Airway				
Tracheotomy placement	●	●	●	●
Nasal and oral tube placement	●	●	-	-
NG and OG tube feeding and gastric suction	●	●	-	-
GYN Training				
Realistic vagina and cervix supports douching and Pap smear	●	●	-	●
Other				
Detachable and removable internal tanks	●	●	-	-
Bends and detaches at waist for easy storage	●	●	●	●
Latch provides secure seal between ostomies and internal tanks	-	●	-	-
Carrying bag	○	○	○	○
User guide	●	●	●	●

Skin tone options available at no extra charge

● Standard ○ Optional Add-On/Accessory



OMNI® 2 wireless control interface

The OMNI 2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, changes in vital signs, and input notes to support debriefing



OMNI® 2 BP skills trainer

The real-time blood pressure gauge view lets you see what the learner sees to help confirm the accuracy of readings. Easily adjust pulse rate and auscultatory gap with just a few taps.



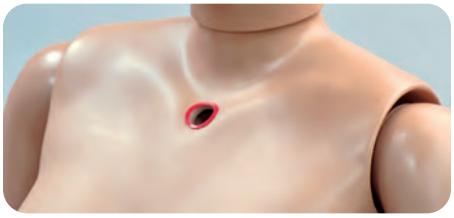
OMNI® virtual patient monitor support

The Gaumard® virtual patient monitor for OMNI 2 looks and functions like a real device. It offers continuous, real-time patient data to help learn critical thinking and decision-making skills.



Ostomy care

Sculpted stomas of a transverse colostomy, ileostomy, and suprapubic stoma.



Tracheotomy placement

Tracheotomy opening to practice placement of trach tube.



Lavage and gavage

Mouth and nose openings for gastric lavage and gavage.

Models, Options, and Accessories

Model	S200.250.PK	S200.PK	S201.250.PK	S201.PK	S205.PK	S206.PK
Upgrades						
Blood pressure training arm with OMNI® Interface	OMNI® 2 Included	OMNI® 1 S200.989L	OMNI® 2 Included	OMNI® 1 S201.989L	OMNI® 1 S205.989L	OMNI® 1 S206.989L
Advanced multipurpose IV training arm (S401.100 equivalent)	S200.803R.MIV		S201.803R.MIV		S205.803R.MIV	S206.803R.MIV
Multipurpose IV training arm (S401 equivalent)	S200.803R.IV		S201.803R.IV		S205.803R.IV	S206.803R.IV
Advanced arterial and venous training arm (S402.100 equivalent)	S200.803R.AIV.R2		S201.803R.AIV.R2		S205.803R.AIV.R2	S206.803R.AIV.R2
Carrying bag	S200.807		S201.807		S205.807	S206.807
Heart and lung sounds kit	S200.848		S201.848		S205.848	S206.848
Amputation stump	S200.910		S201.910		S205.910	S206.910
Set of two decubitus ulcers	S200.764		S201.764		S205.764	S206.764
Ulcerated foot	S200.765		S201.765		S205.765	S206.765

Skin tone options available at no extra charge

Surgical CHLOE™ S2101

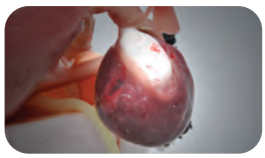
Full-Body Surgical Simulator

- Address surgical competencies
- Use real surgical instruments
- Perform laparotomy, laparoscopy, and vaginal procedures
- Wireless and tetherless; fully responsive in transit
- Includes scenarios created and tested in an academic OB/GYN environment

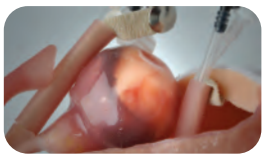


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Hysterectomy


Removal of endometrioma


Ruptured ectopic pregnancy


Removal of dermoid cyst


Incision and dissection

Address ACGME skills

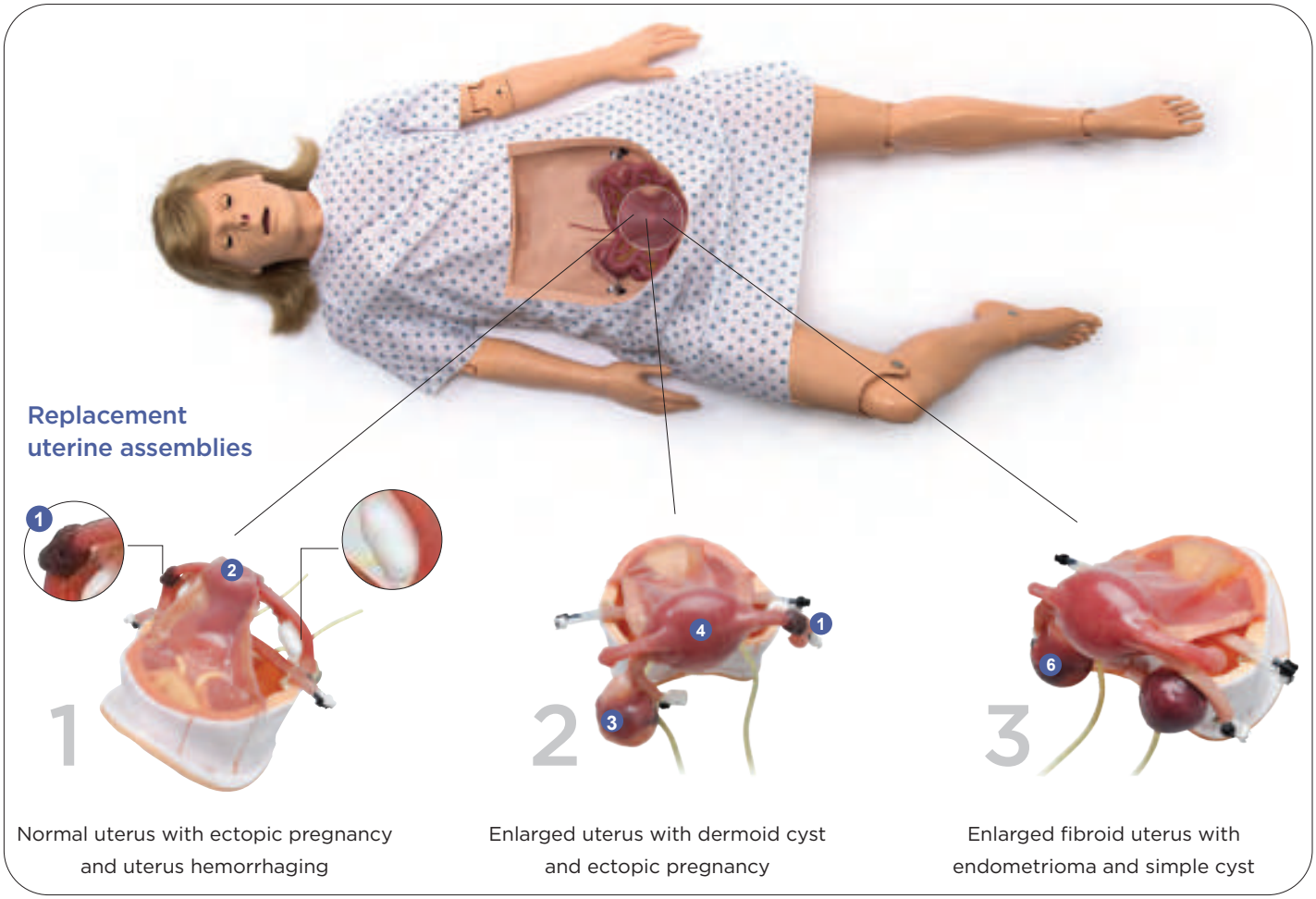
The simulator can address competencies in six areas: patient care, medical knowledge, practice-based knowledge and improvement, systems-based practice, communication, and professionalism.

Surgical scenarios

- Ruptured ectopic pregnancy
- Pelvic mass
- Septic abortion
- Bleeding disorder
- Post-op hemorrhage
- Patient safety (fire)
- Malignant hyperthermia
- Cardiac arrest
- Anaphylaxis
- Hypoxia
- Basic OR patient

Use real surgical instruments

With its lifelike abdominal inserts and uterine assemblies, procedures can be performed using real surgical instruments in a real surgical OR.



Normal uterus with ectopic pregnancy and uterus hemorrhaging

Enlarged uterus with dermoid cyst and ectopic pregnancy

Enlarged fibroid uterus with endometrioma and simple cyst

Unique pathologies

1. Ectopic pregnancy
2. Normal-size uterus with hemorrhaging
3. Dermoid cyst
4. Enlarged uterus
5. Endometrioma
6. Simple cyst
7. Enlarged uterus with embedded fibroids

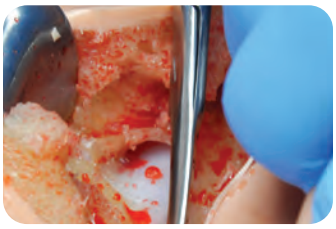
Common features

- Veins and arteries, including uterine and ovarian
- Bladder
- Ovaries
- Fallopian tubes
- Peritoneum
- Ureters
- Perineum with integrated vagina
- Ligaments, including round, uterosacral, infundibulopelvic, and cardinal



Comprehensive training

Scenarios can cover an entire procedure, from patient presentation to assessment, surgical management, and the recovery room.



Bleeds when cut

Abdominal inserts and uterine assemblies incorporate simulated blood for the realistic practice of hemostatic techniques.



Laparotomy, laparoscopy, & vaginal procedures

CHLOE™ allows caregivers to perform surgical interventions using all three procedures.



Replaceable uterine assemblies

Each assembly exhibits different complications and allows surgical teams to carry out a variety of procedures.



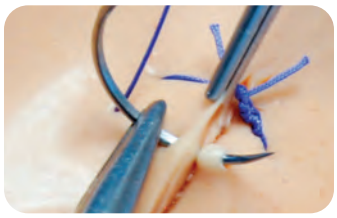
Assess individual & team competencies

Perform team-building scenarios to develop gynecologic surgical skills and patient safety.



Bowel insert

The simulated bowel can be moved aside for abdominal and laparoscopic procedures to provide access to the underlying uterine assembly.



Cut and suture like real tissue

For maximum realism, the multi-layer design represents the skin, subcutaneous, fascia, muscle, and peritoneum.



CPR + circulation

Monitor compression and ventilation performance in real time.



Tablet PC with UNI® software

Control the simulator wirelessly. Sensors track the actions of up to six participants. Changes in condition are time-stamped and logged.



Speech and streaming voice

Be the voice of CHLOE™ and hear caregiver responses. Create and store vocal responses or select from a pre-recorded vocal menu.



Surgical and general patient safety scenarios

Train and assess teams in managing complications such as hemorrhage, malignant hyperthermia, and patient safety.



All-in-one with virtual monitor software

Customize the display, alarms, and configurations of the virtual vital signs monitor to mimic the real monitors in your facility.

Scan to browse Adult Nursing Care simulators

Features

General
- Full-body adult patient simulator
- Built-in wireless connectivity with tablet PC[1]
- Powered by an internal rechargeable battery or wall outlet
- Up to four (4) hours of tetherless operation on internal, rechargeable battery power[2]

Neural responses
- Eyes open and close manually
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Wireless streaming audio & prerecorded responses

Airway
- Multiple upper airway sounds synchronized with breathing
- Head-tilt/Chin-lift
- Anatomically accurate airway
- Intubatable airway

Breathing
- Spontaneous breathing and chest rise generated by internal compressor
- Bilateral chest rise and fall
- Programmable rate and depth of respiration
- Variable respiratory rates and inspiratory-expiratory ratios
- Normal and abnormal independent lung sounds synchronized with respiratory pattern and rate
- Ventilations are detected, measured, and logged

Cardiac
- Monitor ECG with real equipment from four conductive skin regions
- Normal and abnormal heart sounds may be auscultated and are synchronized with ECG
- Compressions are automatically detected, measured, and logged

Circulation
- Measure blood pressure using real BP
- Korotkoff sounds audible between systolic and diastolic pressures
- Bilateral carotid, brachial, and radial pulses
- Oxygen saturation detected using real monitors
- Bilateral IV arms with fill/drain sites
- SubQ and IM injection sites
- Venous and arterial bleeding, including ovarian and uterine arteries and veins
- During application of scenarios, vital signs reflect physiologic changes that occur with hemorrhage

Surgical
- Laparoscopy abdominal wall includes eight access ports on the left, three on the right, and two midline
- Place laparoscopic trocars
- Laparotomy abdominal wall multi-layer insert design replicates the skin, subcutaneous fat, fascia, muscle, and peritoneum
- Use real instruments for incision, dissection, and suturing
- Can be used at least four (4) times
- Perform Pfannenstiel or vertical incision

Uterine assemblies
- Uterine assembly 1 - Normal-sized uterus with ectopic pregnancy and uterine hemorrhage. Simulates ruptured ectopic pregnancy with bleeding and severe vaginal bleeding from uterus.
- Uterine assembly 2 - Enlarged uterus with dermoid cyst and ectopic pregnancy. Simulates ruptured ectopic pregnancy with bleeding and realistic dermoid cyst.
- Uterine assembly 3 - Enlarged uterus with embedded fibroids. Simulates embedded and bleeding fibroids, simple cysts, and endometriomas.
- Procedures supported on all uterine assemblies include unilateral oophorectomy, conization of the cervix, chromopertubation, and hysteroscopy.
- All uterine assemblies include ovarian and uterine veins and arteries, bladder, ovaries, fallopian tubes, peritoneum, ureters, perineum with integrated vagina, and ligaments including round, uterosacral, infundibulopelvic, and cardinal.

UNI® control PC
- Use preprogrammed scenarios or run "on the fly"
- Changes in condition and care provided are time-stamped and logged
- Track actions of up to six care providers
- Generate and share diagnostic lab results
- Create your own scenarios - add/edit
- Change simulator's condition during the scenario

1. Maximum wireless range will vary depending on environmental factors and conditions.

2. Battery life estimates are dependent on active features and settings; results may vary.

Gaumard Vitals™ patient monitor
- Interactive virtual patient monitor displays vital signs in real-time
- Display up to 10 numeric parameters
- Display up to six dynamic waveforms
- Customizable layout mimics real patient monitors
- Program custom threshold alarms
- Share images such as ultrasounds, CT Scans, lab results, etc.

Surgical CHLOE™

S2101.PK

Surgical CHLOE Surgical Patient Simulator, UNI® Tablet PC, UNI license, scenario courseware, Gaumard Vitals™ patient monitor, RF communications module, Bluetooth communications module, battery charger, 4 abdominal wall inserts, 12 uterine assemblies (3 types), soft transport case, and One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

Abdominal wall insert

S2101.140

Bowel overlay

13120306A

Laparoscopy abdomen

S2101.142

Laparotomy abdomen

30011588C

Uterine assembly 1

S2101.143

Uterine assembly 2

S2101.144

Uterine assembly 3

S2101.145

Master basic and advanced nursing skills with Super CHLOE™

Super CHLOE is the perfect solution for advanced nursing skills training, including IV therapy, auscultation, ostomy care, catheterization, OBGYN care, and much more. Super CHLOE also features real-time CPR quality feedback and virtual patient monitor support designed to enhance learning and immersion.

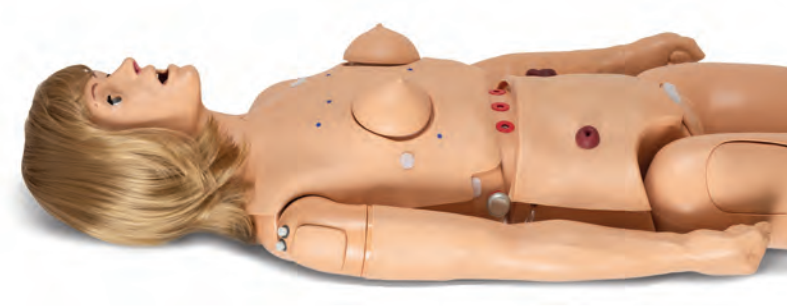
Super CHLOE™

Super CHLOE™ with OMNI® 2

S222.100.250.PK

Super CHLOE™ with OMNI® 1

S222.100.PK



Clinical CHLOE™ Advanced

Clinical CHLOE™ Adv. with OMNI® 2

S222.250.PK

Clinical CHLOE™ Adv. with OMNI® 1

S222.PK



Clinical CHLOE™ Original

Clinical CHLOE™ with OMNI® 2

S221.250.PK

Clinical CHLOE™ Basic

S221.PK



Skin tones available at no extra charge

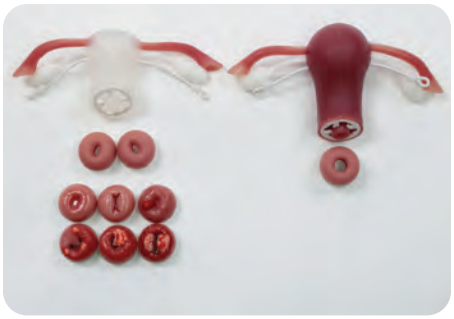
Light Medium Dark

Scan to browse Adult Nursing Care simulators



Breast palpation

Seven breast options for palpation and examination, including fibrocystic disease (chronic mastitis), benign growth, carcinoma and the “orange skin” effect, giant sarcoma, scirrhous carcinoma, and the lymphatic drainage system.



Gynecologic examination

Practice multiple examination exercises, including vaginal douching, Pap smear, visual recognition of normal and abnormal cervices, and more.



Catheterization

Permits male or female catheterization with soft silicone catheters.



OMNI® blood pressure arm

Adjustable systolic and diastolic pressures, auscultation gap, and pulse rate. Display and track blood pressure.



Injection & infusion

Injection arm for IV, IM, and SubQ exercises.



Heart & lung sounds

Sensor network is hidden beneath the skin. Hear the appropriate heart or lung sounds as the stethoscope bell moves across the torso's front and back.



Stoma care training

Transverse colostomy and ileostomy stomas support essential irrigation and cleaning training.



Real-time CPR feedback (OMNI® 2 only)

Monitor CPR quality metrics including compression rate and depth, no-flow time, and ventilation volume.



Optional geriatric accessory (S222 models only)

Quickly and easily convert into a geriatric patient with the option (S222 and S222.250 only).

Features	S222.100.250 S222.100	S222.250 S222	S221.250 S221
General Patient Care			
Bathing and bandaging activity	●	●	●
Full body	●	●	●
Normal, miosis (constricted), and mydriasis (blown) pupil states	●	●	-
Independent left/right pupil states simulate consensual and nonconsensual responses	●	●	-
Realistic urethral passage and bladder for catheterization exercises	●	●	●
Upper and lower dentures for oral hygiene	●	●	●
Soft, realistic face, skin, hands, feet, fingers, and toes	●	●	●
Simulated ear canal for otic drops and irrigation	●	●	●
Colostomy and ileostomy stomas to practice irrigation	●	●	●
Opening for gastrointestinal procedures	●	●	●
Enema administration capability	●	●	●
Stylish wig for hair care exercises and surgical draping	●	●	●
Amputation stump	○	○	○
Set of two decubitus ulcers	●	●	○
Ulcerated foot	●	○	○
Manual palpable pulses	●	●	-
Interchangeable male and female organs (Both Included)	●	●	●
Blood pressure arm with real-time feedback	●	○	○
Articulation			
Head and jaw	●	●	●
Elbows and wrists	-	●	●
Knees and ankles	●	●	●
Injection Training			
Intramuscular injection sites in arm, thighs, and buttock	●	●	●
Advanced training arm and hand for IV, IM, and Sub-Q techniques	●	●	○
Heart and Lung Sounds			
Site-specific heart and lung sounds with Virtual Stethoscope	●	○	○
Breast Palpation			
Interchangeable male and female breast inserts	●	●	●
Breast palpation capability with seven abnormal breasts	●	-	-
Breast palpation capability with one abnormal female left breast	-	●	●
CPR			
OMNI® real-time CPR feedback and reporting	●	●	-
Practice BVM with realistic chest rise	●	●	-
Realistic heart, lungs, ribs, stomach, and liver	●	●	-
Airway	●	●	●
Intubate / BVM	●	●	-
Tracheotomy placement	●	●	●
Tracheotomy intubation with resealable trachea	●	●	-
Trachea, bronchi, and lungs enable assessment of airway management skills	●	●	-
Tongue, epiglottis, vocal cords, and esophagus look and feel real	●	●	-
Nasal and oral tube placement	●	●	●
Nasal and oral intubation	●	●	-
NG and OG tube feeding and gastric suction	●	●	●

Skin tone options available at no extra charge

● Standard ○ Optional Add-On/Accessory

Features	S222.100.250 S222.100	S222.250 S222	S221.250 S221
GYN Training			
Bimanual pelvic examination	•	-	-
Palpation of normal and pregnant uteri	•	-	-
Vaginal examination including insertion of speculum	•	-	-
Visual recognition of normal and abnormal cervices	•	-	-
IUD insertion and placement	•	-	-
Uterine sounding	•	-	-
Vaginal douching and Pap smear exercises with realistic vagina and cervix	•	•	•
Other			
Detachable and removable internal tanks	•	•	•
Bends and detaches at waist for easy storage	•	•	•
User guide	•	•	•
Carrying bag	•	•	•
Neck brace	•	•	•

Models, Options, and Accessories

Model	S222.100.250.PK	S222.100.PK	S222.250.PK	S222.PK	S221.250.PK	S221.PK
Upgrades						
OMNI® CPR Feedback	OMNI® 2 Included	OMNI® 1 Included	OMNI® 2 Included	OMNI® 1 Included	-	-
GYN examination pack	Included	Included	-	-	-	-
Blood pressure training arm for OMNI®	Included	Included	S222.250.989L	S222.989L	OMNI® 2 Included	OMNI® 1 S221.989L
Advanced multipurpose IV training arm (S401.100 equivalent)	-		-		S221.803R.MIV	
Multipurpose IV training arm (S401 equivalent)	Included		Included		S221.803R.IV	
Advanced arterial and venous training arm (S401.100 equivalent)	S222.100.803R.AIV.R2		S222.803R.AIV.R2		S221.803R.AIV.R2	
Heart and lung sounds kit	Included		S222.848		S221.848	
Ulcerated foot	S222.100.765		S222.765		S221.765	

Skin tone options available at no extra charge

• Standard o Optional Add-On/Accessory

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Code Blue®

Nursing Care and CPR

- Real-time CPR feedback
- Optional intubatable or removable airway
- Variable palpable carotid pulse
- Eyes open and close; three pupil states
- Optional OMNI® 2 touchscreen interface



Code Blue® Multipurpose Care and CPR simulators provide the perfect combination of nursing care and BLS features

Code Blue® with Intubatable Airway

Code Blue® with OMNI® 2

S303.250.PK

Code Blue® with OMNI® 1

S303.PK



Code Blue® with Disposable Airway

Code Blue® with OMNI® 1

S304.PK





Disposable airway (S304 models)

Available with disposable airway for mouth-to-mouth resuscitation exercises.



BVM with realistic chest rise

Bilateral lung expansion with realistic chest rise during BVM.



Tracheotomy (S303 Models)

Pierce the resealable trachea and insert a tracheostomy tube with an attached positive pressure device to observe chest rise.



Real-time CPR

Monitor and log ventilations and chest compressions in real time. (OMNI® 2 shown)



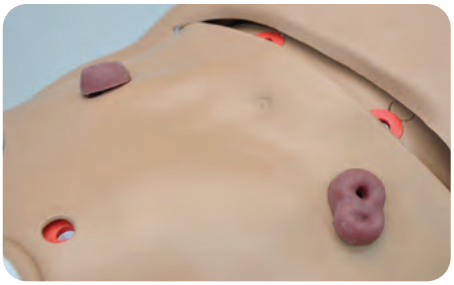
Injection and infusion

Advanced training arm and hand for IV, IM, and Sub-Q techniques.



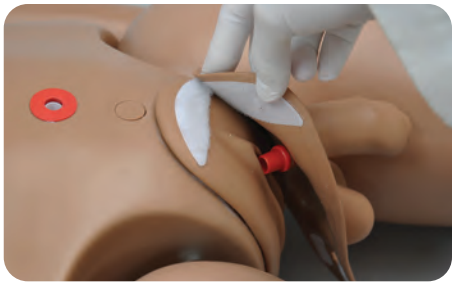
Airway management (303 Models)

Realistic airway with tongue, vocal cords, trachea, and esophagus.



Ostomy care

Sculpted stomas of a transverse colostomy, ileostomy, and suprapubic stoma.



Interchangeable genitalia

Interchangeable genitalia for female and male catheterization.



Lavage and gavage (S303 Models)

Mouth and nose openings for gastric lavage and gavage.

Features

General
- Soft, lifelike face skin
- Jointed elbows, wrists, knees, and ankles
- Bends at the waist like a human
- Converts to geriatric patient with optional appearance accessory
- Two decubitus ulcers depicting initial stage of ulceration and deeply infected stage
- Amputation stump
- Carrying bag

Neurological
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

Airway
- S303 Models only – Intubatable airway including teeth, tongue, epiglottis, and vocal cords
- S304 Models only - Removable disposable airway for mouth-to-mouth resuscitation (non-intubatable)



Cardiac/Circulation
- Bilateral carotid and right radial pulse
- Intravenous, intramuscular, and subcutaneous injection techniques (specify left or right)
- Bilateral IM sites in arms and legs
- IM injection site in buttock

Gastrointestinal
- S303 Models only - Intubatable nose, mouth, and esophagus for lavage and gavage exercises
- Enema administration
- Sculpted stomas for transverse colostomy, ileostomy, and suprapubic stoma, each connected to an internal removable tank

Genitourinary
- Interchangeable genitalia for male and female catheterization

GYN and breast exam
- Interchangeable male and female breasts (left female breast contains malignancy)
- Vaginal douching and Pap smear exercises with realistic vagina and cervix

OMNI® 2 Real-time CPR feedback
- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing

Code Blue®
With Intubatable Airway

Code Blue with OMNI® 2
S303.250.PK

Code Blue with OMNI® 1
S303.PK

Code Blue®
with Disposable Airway

Code Blue with OMNI® 1
S304.PK

Options, accessories, & consumables

Ulcerated foot
S303.765

Deltoid & abdominal incisions
30081511A

Buttock injection sites
30020441A

Package of 10 disposable airways
S304.841

Package of 100 disposable airways
S304.842

OMNI® Blood Pressure Arm
S303.250.989L
S303.989L
S304.989L

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Scan to browse Airway and Respiratory simulators



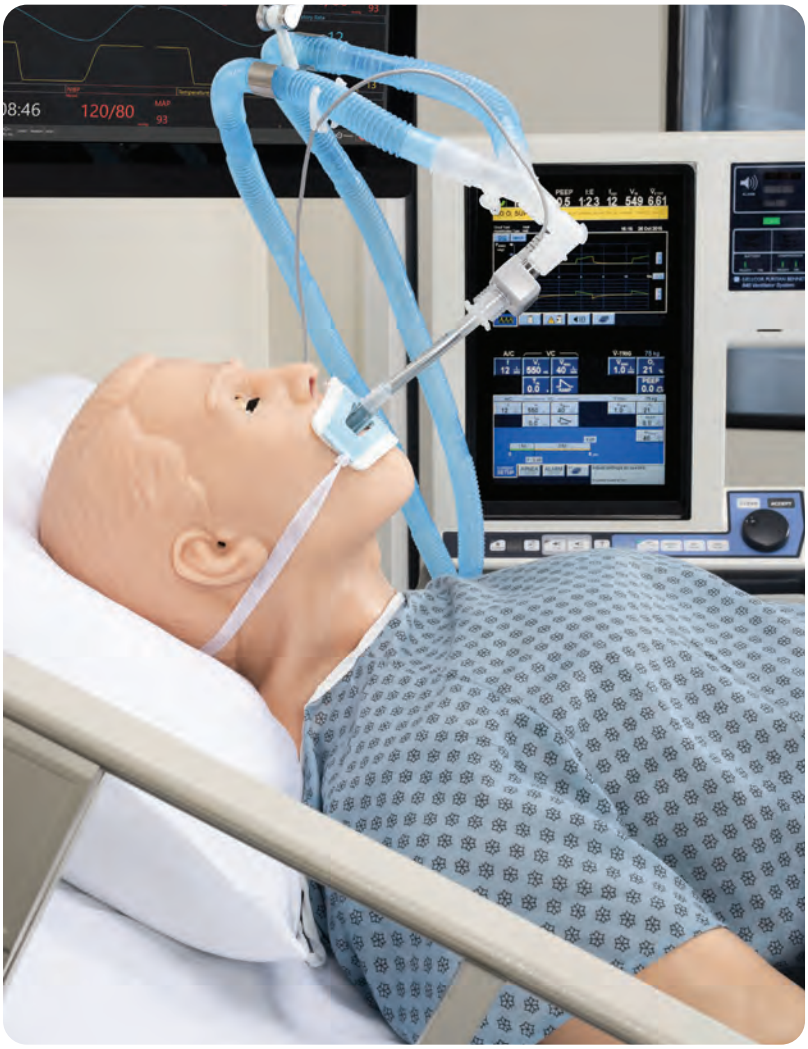
HAL® S1030

Airway and Mechanical Ventilation Management Skills Trainer

- Adult HAL full-size body
- Supports real mechanical ventilators and standard modes of ventilation
- Intubatable and programmable airway
- Programmable, dynamic lung compliance
- Independently control right and left side airway resistances

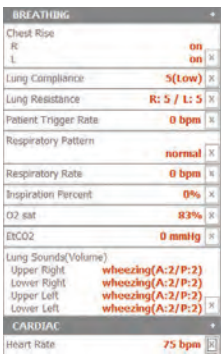
Meet HAL® S1030. Our most powerful airway and mechanical ventilation management skills trainer yet

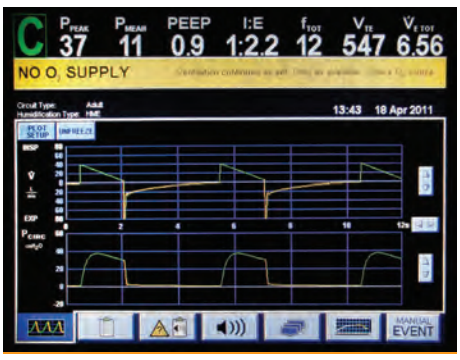
HAL S1030 is a computer-controlled, full-body patient simulator designed to aid students and professionals train airway and mechanical ventilation management skills through hands-on exercises using real equipment. HAL's patented respiratory system and powerful software work together to simulate true-to-life physiology unmatched by any other skills trainer in its class.



- Connect a ventilator to HAL using standard patient circuits like a real patient. No calibration, proprietary adapters, or converter boxes required.
- Supports standard modes of pressure-controlled and volume-cycled mechanical ventilation
- Presents true-to-life waveforms and values on ventilator screen
- 10 programmable levels of lung compliance (from 15 to 50 cmH_2O)
- 10 programmable levels of airway resistance
- Holds PEEP from 5 to 20 cmH_2O
- Real CO_2 exhalation
- Supports on-the-fly changes to airway and lung parameters while connected to the ventilator
- Anatomically accurate oral cavity and airway
- Supports standard endotracheal tubes and supraglottic devices
- Programmable tongue edema, pharyngeal swelling, and laryngospasm
- Patented, dynamic airway and lung compliance respiratory system

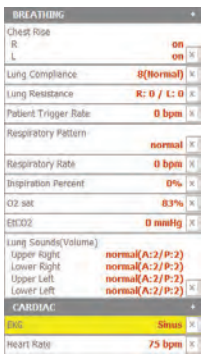
Side-by-side screen captures of HAL's respiratory settings and a real mechanical ventilator monitor screen.

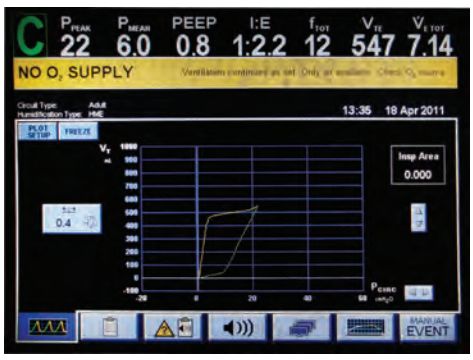




Moderate asthma

HAL lung compliance 5, left/right lung resistance 5



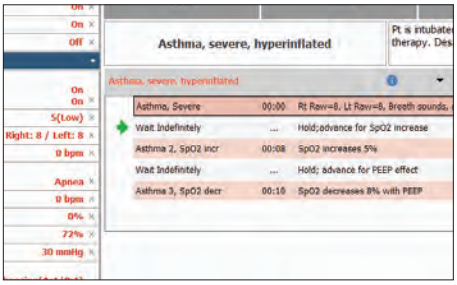


Normal compliance loop

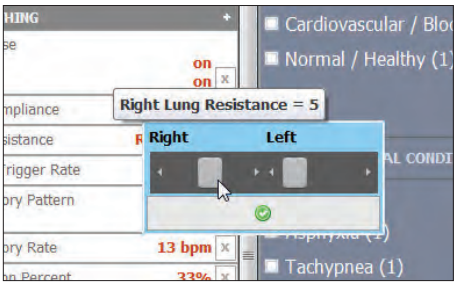
HAL lung compliance 7

Powered by UNI®. Patient simulator control software that is easy to use and powerful

UNI features easy-to-use physiological controls, task automation, real-time feedback, and data capture tools designed to help you facilitate training experiences that are immersive and effective.



UNI includes a library of preprogrammed pathologies, including asthma, chronic bronchitis, CHF, emphysema, pneumothorax, and more.



Change airway and lung function parameters on the fly and see real-time feedback on a mechanical ventilator.

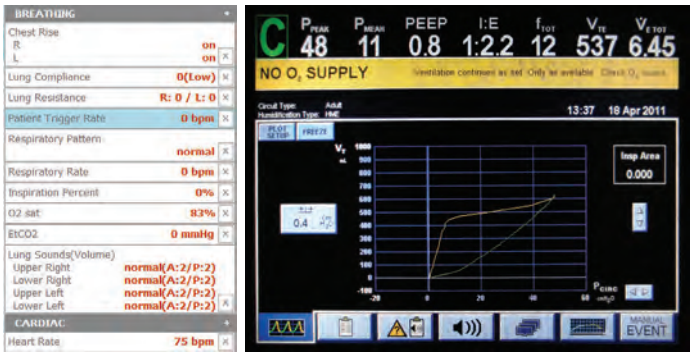


Add optional Gaumard Vitals™ virtual patient monitor for vital signs interpretation exercises.



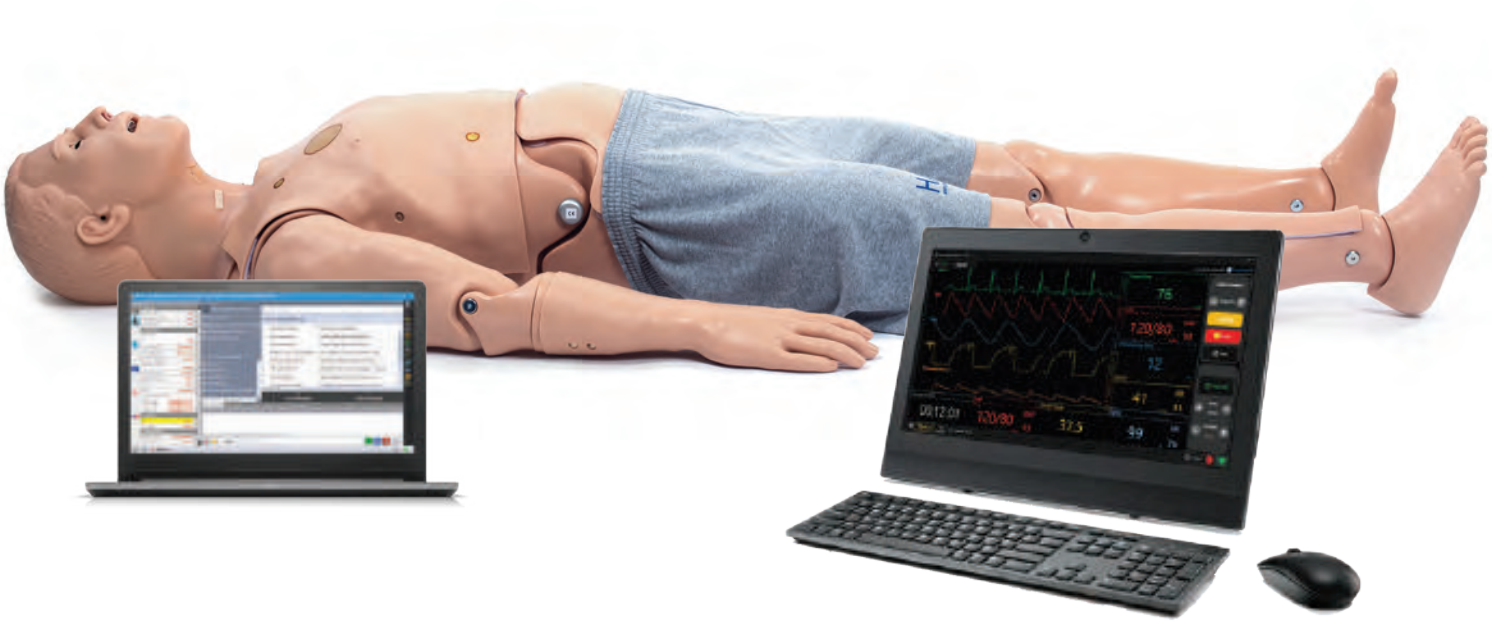
Severe fibrosis

HAL lung compliance 0



Low compliance UNI® controls

HAL lung compliance 0



Features

- Articulating adult HAL full-size body
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Available in different skin tones
- Use our scenarios, modify them, or create your own
- Supports endotracheal intubation using ETTs and SGAs
- Programmable lung compliance
- Independently control right and left side airway resistance
- Supports assisted ventilation at variable respiratory rates
- Simulate life-threatening auto-PEEP and tension pneumothorax
- Exhales real and measurable CO_2
- Assess CO_2 output with end-tidal detector or capnography
- Vary lung mechanics throughout your entire simulation exercise
- Receive real-time feedback from real mechanical ventilator
- BVM, intubate, or mechanically ventilate
- Program tongue edema, pharyngeal swelling, and laryngospasm
- Practice intubation and difficult airway management
- Ten levels of static compliance, 15-50 mL/cmH_2O
- Capable of holding therapeutic levels of PEEP
- Real CO_2 exhalation
- Specify inspiratory time and rate, inspiratory/expiratory ratio
- Change lung resistance/compliance "on-the-fly" and see results on a real ventilator, which are recorded on the laptop
- Preprogrammed airway and lung pathologies including:
  - » Asthma
  - » Chronic Bronchitis
  - » CHF
  - » Emphysema
  - » Pneumothorax
- Set inspiratory effort rate to trigger the ventilator
- Four anterior and four posterior lung sounds
- Use our preprogrammed pathologies or create your own
- Create scenarios using our proven, easy-to-use HAL software
- Connect our simulator to a real ventilator, which can be set by volume or pressure

HAL® S1030

S1030.PK

HAL full-body patient simulator, UNI® laptop PC, UNI® software license, communication module, accessories, user guide, and One-Year Limited Warranty.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Gaumard Vitals portable virtual monitor. One Gaumard Vitals patient simulator license.

Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual monitor. One Gaumard Vitals patient simulator license.

Scan to browse Airway and Respiratory simulators



Scan to browse Airway and Respiratory simulators

HAL® S315 SKILLS TRAINERS

Adult Airway, CPR, & Auscultation Skills Trainers

- Lifelike airway anatomy
- Rugged exterior and resilient chest recoil
- Real-time CPR feedback and reporting
- Automatic pulses and breathing with spontaneous chest rise (ROSC)
- Defibrillate with live energy using real AED

A family of skills trainers for adult airway management, CPR, and auscultation training

HAL® CPR+D Trainer with OMNI® 2

S315.600.250.PK



HAL® CPR+D Trainer

S315.500.M2.PK



HAL® Adult Multipurpose Airway and CPR Trainer

S315.400.M2.PK



HAL® Airway and CPR Trainer with H&L Sounds

S315.300.M2.250.PK

With OMNI® 2

S315.300.M2.PK



HAL® Adult Multipurpose Airway & CPR Trainer

S315.100.250.PK

With OMNI® 2

S315.100.M2.PK



HAL® Airway & CPR Trainer

S315.M2.250.PK

With OMNI® 2

S315.M2.PK

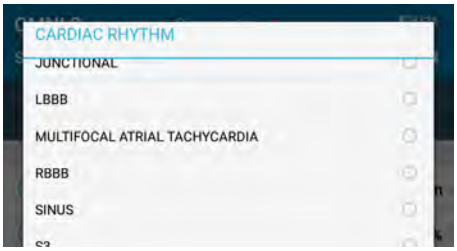


*Product shown with optional OMNI® 2

Meet HAL® S315.600. Easy-to-use, durable, and portable hands-on BLS training

Whether for outreach or professional development, HAL S315.600 is a great addition to every BLS algorithm training curriculum. Practice assessing breathing, performing quality CPR, delivering a shock, and recognizing the return of spontaneous circulation. HAL is the portable, all-in-one training solution for every basic life support training need.





Simulate shockable and non-shockable ECG with 20+ rhythms



Perform nasal and oral intubation with standard, real adjuncts



Visualize realistic chest rise with BVM ventilation



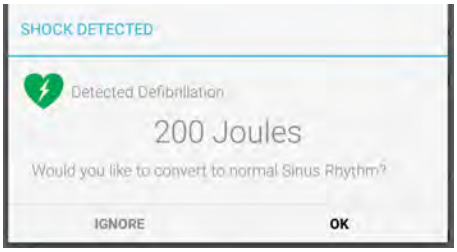
Identify proper chest rise and pulses without add-on items



Monitor and cardiovert rhythms using a real AED/defibrillator and live energy



Defibrillate directly on patches or pad-free posts numerous times



Receive immediate feedback on your actions and select the responses



Check for return of spontaneous circulation



Automatically detect and record events for easy debriefing

Features

Airway and breathing
- Spontaneous breathing (Automatic)
- Realistic tongue, vocal cords, and trachea
- Practice nasal and oral intubation
- Supports ETT, supraglottic airway devices, and more
- Illustrate head-tilt, chin-lift, and jaw-thrust
- Gastric distension with esophageal intubation and/or excessive ventilation
- Right mainstem intubation presents unilateral chest rise
- Visible chest rise with bag-valve-mask ventilation
- Ventilation detection sensors

Circulation
- Anatomically correct landmarks for proper CPR hand placement
- Realistic chest cavity resistance and recoil
- Chest compression depth sensor
- Real-time CPR feedback
- Effective chest compressions generate palpable carotid pulses
- Monitor and cardiovert rhythms using a real AED/defibrillator
- Illustrate 20+ shockable and non-shockable ECG rhythms
- Deliver up to 360 Joules of real energy to skin patches or snap connectors
- Palpable carotid pulses with variable rate synchronized with ECG
- Available with 4-lead ECG site option to support real-time ECG monitoring using real equipment. Available at time of initial purchase only. (S315.600.250.PK1)

Performance monitoring
- Real-time CPR quality feedback
  - » Compression depth and rate
  - » Ventilation rate
  - » Excessive ventilation
  - » No-flow time
  - » CPR cycles
- CPR metronome: audible tones help guide correct compression and ventilation rate and ratio
- Compliant with current adult resuscitation guidelines
- Built-in resuscitation algorithm checklists for tracking individual and team actions

OMNI® 2 features
- Built-in wireless connectivity with a range of up to 30 ft.
- OMNI 2 wireless touchscreen tablet
- Optimized vital sign controls for on-the-fly operation
- Built-in library with 20+ cardiac rhythms and options
- Compatibility with optional virtual vital signs to display 10+ parameters for delivering post-cardiac arrest care
- Alternate virtual shock function capability
- Session log records provider actions, vital signs, CPR metrics, and comments

Debriefing tools
- Real-time CPR feedback and performance report provides averages for each CPR metric and cycle
- Save, email, and print CPR performance reports for debriefing and archiving



HAL® S315.600 CPR+D Skills Trainer with OMNI® 2

S315.600.250.PK

HAL S315.600 Skills Trainer, OMNI 2 Controller, carrying case, user guide, and power supply.



HAL® S315.600 CPR+D and ECG Patches Skills Trainer with OMNI® 2

S315.600.250.PK1

HAL S315.600 Skills Trainer with 4-lead ECG conductive patch sites, OMNI 2 controller, carrying case, user guide, and power supply.

HAL® S315.600 CPR+D Skills Trainer with OMNI® 2 full-body option

S315.600.250.705

Enhance skills training and run scenario-based exercises with the full-body configuration. Available at the time of initial purchase.



Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.



Modified defib cables

Philips® - **30080373D**

Physio LIFEPAK® - **30080375D**

Zoll® - **30080374D**

Meet HAL® S315.500. Great features, zero power required

Gaumard's innovative green technology allows HAL® to store the energy generated by chest compressions to power its amazing features.

HAL can record CPR quality and performance metrics, present realistic chest rise and palpable pulses after resuscitation, and more.

Take your training to more places and reach more people with the convenience of truly tetherless technology.



Electronics powered by chest compressions. No external power required.



Intubatable airway with lifelike tongue, vocal cords, and trachea



Visualize realistic chest rise with BVM ventilation



Real-time ventilation and compression feedback with coaching tones



Select sinus rhythm, ventricular fibrillation, or asystole detectable on your native monitor



Attach your AED pads directly and defib using real energy



ROSC after defibrillation; automatic pulses and visible chest rise



Defibrillate directly on patches or pad-free posts numerous times



Advanced feedback and reporting during and after the training

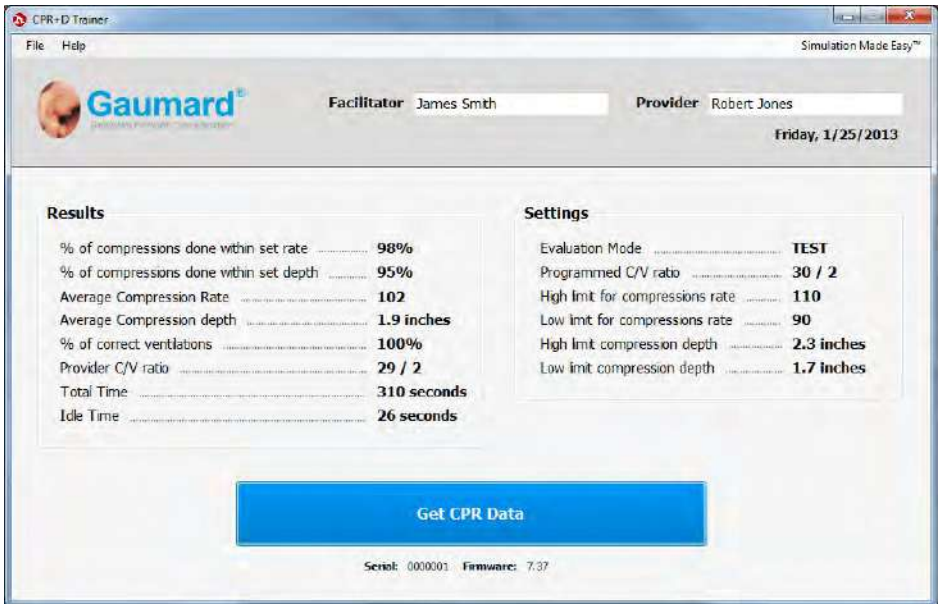


Easily refill the automatic breathing system for the next session

Advanced feedback, reporting, and control

The CPR+D controller captures detailed performance values for each CPR metric. Connect the controller to a PC to review and export the results.





Features

- Intubatable airway with lifelike tongue, epiglottis, vocal cords, and trachea
- Realistic head-tilt, chin-lift, and jaw-thrust
- Realistic chest cavity allows students to experience the correct force needed to perform proper chest compressions
- Anatomically correct landmarks for proper hand placement
- Proper chest compressions result in palpable carotid pulses
- Attach real pads from a defibrillator to the conductive sites on the skin
- Deliver real shocks with live energy and visualize the shock and rhythm on your real monitor
- Automatic pulses and breathing with realistic chest rise
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

During training

For student:

- Coach mode: audible cues guide chest compressions and ventilations
- Test mode: no guidance provided during test

For instructor:

- Handheld controller provides compression depth and ventilation effectiveness in easy-to-interpret bar graph format
- Screen prompts instructor when student must compress faster or slower, softer or harder
- Instructor can view real-time compression rate
- Screen reports defibrillation energy

After training

- Instructor views student's performance including:
  - » Average compression rate per minute
  - » Percent of compressions in proper rate range
  - » Average compression depth
  - » Percent compressions in proper depth range
  - » Percent of ventilations in proper ventilation volume range
  - » Actual compression/ventilation (C/V) ratio
  - » Exercise duration
  - » Chest compression fraction
  - » Reporting metrics stored in the controller's flash memory can be transferred to a computer using the controller's USB port

Control

- Adjust/change feedback and reporting metrics:
  - » Proper C/V ratio
  - » High and low compression rate limits
  - » High and low compression depth limits (in or cm)
  - » Proper ventilation volume
  - » Manual cardioversion upon defibrillation
  - » Program ECG rhythms; choose sinus, ventricular fibrillation, or asystole. Selected ECG rhythm will be seen on your real AED
  - » Activate automatic carotid pulse and/or breathing

HAL® S315.500

S315.500.M2.PK

Full-size adult male head and torso, handheld controller with connection cable, carrying bag, and User Guide.

Modified defib cables

Philips® **- 30080373D**

Physio LIFEPAK® **- 30080375D**

Zoll® **- 30080374D**

Scan to browse Airway and Respiratory simulators

HAL® S315.400—advanced airway management training made easy and portable

The HAL S315.400 advanced airway trainer allows learners to practice recognizing and managing a difficult airway via endotracheal intubation or surgical intervention, performing CPR, and treating tension pneumothorax.

What's more, all of HAL's lifelike features operate without external power or batteries. Simply pressurize the internal reservoir using a standard BVM, and it's ready for use. HAL's innovative features and green design make it a powerful trainer that's easy-to-use, effective, and portable.





Intubatable airway with lifelike tongue, vocal cords, and trachea



Manually activate tongue edema, laryngospasm, and pharyngeal swelling



Surgical trachea inserts included



Realistic chest rise with BVM



Air reservoir is charged using the supplied manual pump or a BVM



Place cricothyrotomy needle or tracheostomy tube



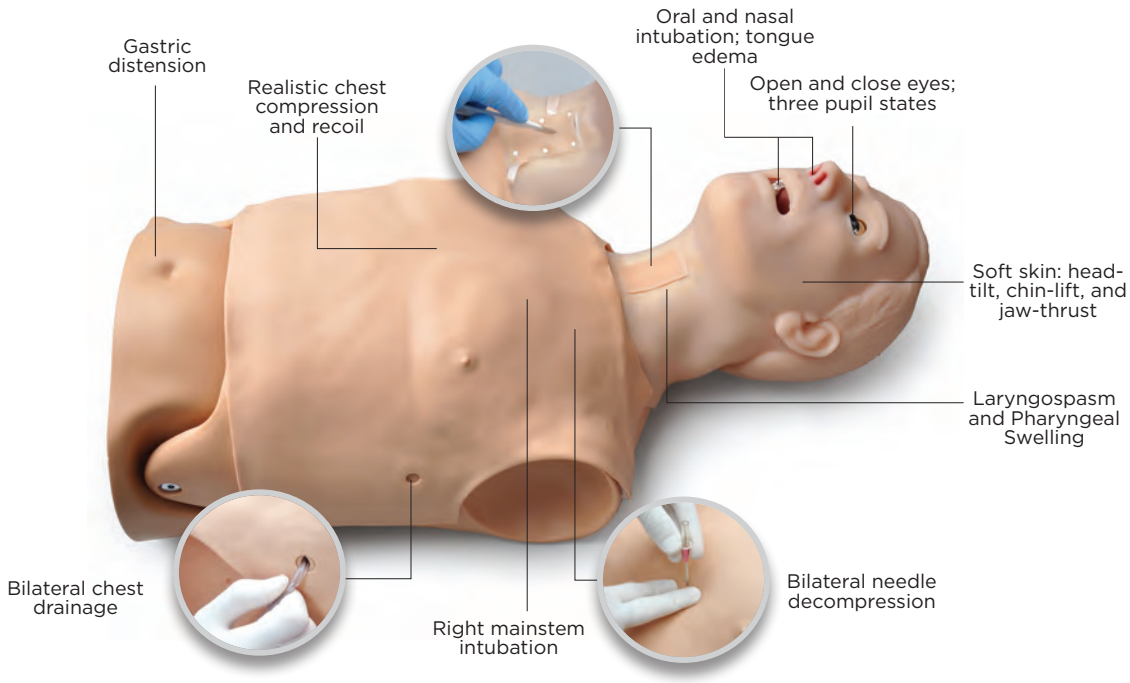
Realistic chest compression and recoil



Easy neck flexion and extension. Realistic head-tilt, chin-lift, jaw-thrust



Bilateral needle decompression at 2nd intercostal space



Features

- Realistic airway, which is manually programmable to include tongue edema, laryngospasm, and pharyngeal swelling
- Ventilate via BVM, OPA, or intubation
- Realistic chest compression/recoil
- BVM produces realistic chest rise
- Intubate using conventional adjuncts
- Inflating lungs produce realistic chest rise
- Gastric distention
- Easy neck flexion and extension
- Unilateral chest rise with right mainstem intubation
- Lungs can be disabled independently
- Surgical airway procedures such as tracheostomy and needle or surgical cricothyrotomy
- Supplied with normal and surgical cricoid cartilage inserts, allowing for longitudinal and transverse incisions
- Bilateral needle decompression at 2nd intercostal space
- Bilateral drainage at 5th intercostal space using conventional large-diameter chest tubes
- Pneumatic controls powered by internal reservoir
- Multifunctional, compact, portable
- Eyes may be open or closed
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Adult male upper body and head
- Silicone face/head skin for realistic head-tilt, chin-lift, and jaw-thrust

HAL® S315.400

S315.400.M2.PK

Full-size adult male head and torso, ventilation trachea insert, accessories, user guide, and soft carrying bag.

Consumables

Surgical Trachea Inserts

S315.400.M2.984

Set of five inserts.

Trachea Skin Covers

S315.400.M2.923

Set of ten covers.

Cricothyroid Membranes

S315.400.M2.990

Set of ten membranes.

Lubricant

GU.181

Four oz. of mineral oil.

Needle Decompression Inserts

S315.400.M2.926

Set of five inserts.

Replacement Chest Skin

S315.400.M2.712

Replacement chest skin.

Surgical Trachea Base

S315.400.M2.999

Replacement trachea base.

Scan to browse Airway and Respiratory simulators

HAL® S315 Airway and CPR Trainer



HAL® S315 with OMNI® 2

S315.M2.250.PK

HAL® S315 Basic

S315.M2.PK

Upgrade to Full-Body Configuration

S315.M2.705

HAL® S315.100 Multi-Purpose Airway and CPR Trainer



HAL® S315.100 with OMNI® 2

S315.100.250.PK

HAL® S315.100 Basic

S315.100.M2.PK

Upgrade to Full-Body Configuration

S315.100.M2.705

HAL® S315.300 Airway, CPR, and Auscultation Trainer



HAL® S315.300 with OMNI® 2

S315.300.M2.250.PK

HAL® S315.300 Basic

S315.300.M2.PK

Upgrade to Full-Body Configuration

S315.300.M2.705

HAL® S315 Series Feature Highlights



Fully articulating neck joint



Anatomically accurate airway



Laryngospasm and pulses



Surgical airway



Durable chest cavity



Real-time CPR feedback (OMNI® 2 shown)



Bilateral lung expansion



Chest tube placement



Needle decompression

Features	S315 Airway & CPR	S315.100 Airway & CPR	S315.300 Airway, CPR, & Auscultation	S315.400 Airway & CPR	S315.500 Airway & CPR+D	S315.600 Airway & CPR+D
Normal, miosis (constricted), and mydriasis (blown) pupil states	●	●	●	●	●	●
Independent left/right pupil states simulate consensual and nonconsensual response	●	●	●	●	●	●
Realistic head-tilt/chin-lift and jaw-thrust	●	●	●	●	●	●
Durable high-fidelity airway anatomy	●	●	●	●	●	●
Nasal and oral intubation	●	●	●	●	●	●
Tongue edema	–	–	–	●	–	-
Laryngospasm	–	●	–	●	–	–
Pharyngeal swelling	–	–	–	●	–	–
Tracheostomy and cricothyrotomy	–	●	–	●	–	–
Chest rise with bag-valve-mask ventilation	●	●	●	●	●	●
Gastric distension with esophageal intubation	●	●	●	●	–	–
Right mainstem intubation presents unilateral chest rise	●	●	●	●	●	●
Bilateral chest tube sites at 5th intercostal	–	–	–	●	–	–
Bilateral needle decompression sites at 2nd intercostal space with audible hiss	–	–	–	●	–	–
Disable chest rise unilaterally	–	–	–	●	–	–
VS100 Virtual Stethoscope - Programmable normal and abnormal heart and lung sounds	–	–	●	–	–	–
CPR hand positioning landmarks and realistic chest compression recoil and depth	●	●	●	●	●	●
Real-time CPR monitoring and performance reports	○	○	○	–	●	●
Chest compressions generate palpable carotid pulses	Manual	Manual	Manual	–	Automatic	Automatic
Detectable ECG rhythm using real AED (Sinus, ventricular fibrillation, and asystole)	–	–	–	–	●	●
Spontaneous breathing and palpable carotid pulses for up to 60 seconds (ROSC)	–	–	–	–	up to 60 sec.	Continuous
Defibrillate and cardiovert using real energy	–	–	–	–	●	●
Carrying bag	●	●	●	●	●	●
Full-body form factor	○	○	○	–	–	○
Support for ECG monitoring	–	–	–	–	–	○

● Standard ○ Optional Add-On/Accessory

Skin tone options available at no extra charge

5 Year PEDI® Airway Trainer

S314.PK



1 Year PEDI® Airway Trainer

S312.PK



Newborn PEDI® Airway Trainer

S320.PK



Scan to browse Airway and Respiratory simulators

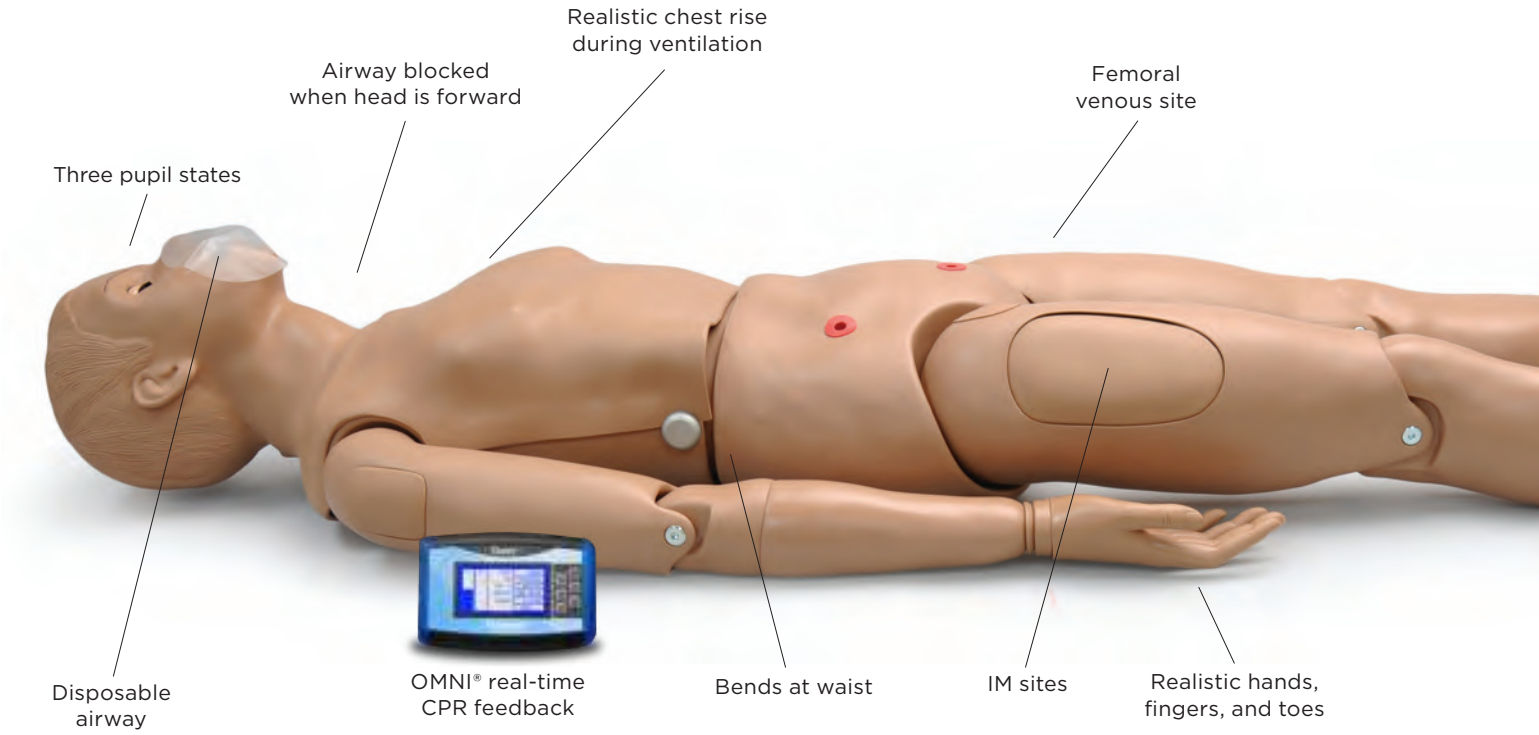
Features	S314.PK Five Year Airway	S312.PK One Year Airway	S320.PK Newborn PEDI® Airway
Realistic chest cavity containing realistic organs	•	•	•
Fully articulating head, neck, and jaw permits head-tilt/chin-lift, jaw-thrust, and neck extension into the sniffing position	•	•	•
Anatomically accurate mouth, tongue, airway, and esophagus designed to illustrate the profound differences between intubating an infant, a child, or an adult	•	•	•
Soft neck with cricoid cartilage permits classic Sellick maneuver	•	•	•
Realistic chest rise during ventilation	•	•	•
Realistic trachea, bronchi, and lungs. Observable bilateral lung expansion under positive pressure ventilation	•	•	•
Airway narrows below vocal cords	•	•	•
Realistic vocal cords with “fish-eye” appearance	•	•	•
Airway diameter	9mm	5mm	3.8mm
Airway allows the passage of a cuffed ET tube	–	–	–
Nasal passage permits placement of NP tube	•	•	•
Surgical placement of tracheostomy tube	–	–	–
Emergency needle cricothyrotomy stick	–	–	–
Bilateral tension pneumothorax decompression	–	–	–
Six neck collars, three cricoid cartilages, membrane tape	–	–	–
Carrying bag	•	•	•
Instruction manual	•	•	•
Options			
Site-specific heart and lung sound trainer	S314.848	S312.848	–
Chest decompression and drainage	S314.711	S312.711	S320.711

• Standard o Optional Add-On/Accessory

Skin tone options available at no extra charge

The Simon® adult CPR simulator

Simon is a durable and reliable basic life support simulator designed to help participants quickly improve performance. Simon offers real-time CPR feedback that can be exported for debriefing and progress monitoring.

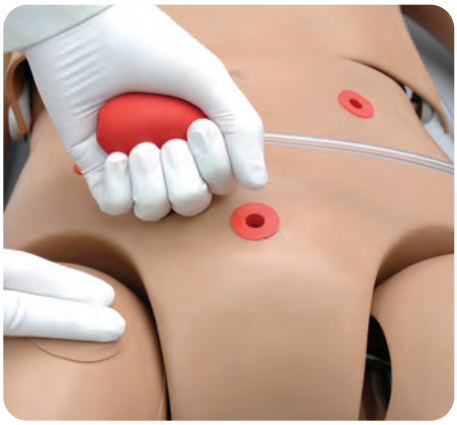




Fully articulating head, neck, and jaw, permitting head-tilt/chin-lift, jaw-thrust, and neck extension into the “sniffing” position



Monitor CPR quality metrics in real-time with OMNI® 2



Multiple pulse points: carotid and femoral arterial pulse points

Scan to browse Basic Life Support simulators

Features

- Disposable airways to practice hygienic mouth-to-mouth ventilation
- Fully articulating head, neck, and jaw, permitting head-tilt/chin-lift, jaw-thrust, and neck extension into the "sniffing" position
- Airway blocked when head is forward
- Realistic chest rise during ventilation
- Carotid and femoral arterial pulse sites
- Femoral venous site
- Intramuscular (IM) injection sites on the deltoids, quadriceps, and left gluteus medius
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response
- Jointed elbows, wrists, knees, and ankles
- 10 disposable airways
- Detachable at waist for easy storage
- User guide
- Carrying bag

Features	S308	S310	S311
CPR	•	•	•
Disposable airway	•	•	•
Carotid pulse sites	•	•	•
OMNI® real-time CPR feedback	–	–	•
Arms and legs	–	•	•
Femoral venous site	–	•	•
Intramuscular (IM) injection sites	–	•	•

OMNI® Real-Time CPR Feedback

- Monitor CPR quality metrics in real-time
- Export CPR performance reports for debriefing



Simon® with OMNI® 1 (Full Body)

S311.PK

Simon® Basic (Full Body)

S310.PK

Simon® Basic (Torso)

S308.PK

Consumables

Disposable Airways

S308.841

Package of 10

S308.842

Package of 100



Ten disposable airways to practice hygienic mouth-to-mouth ventilation



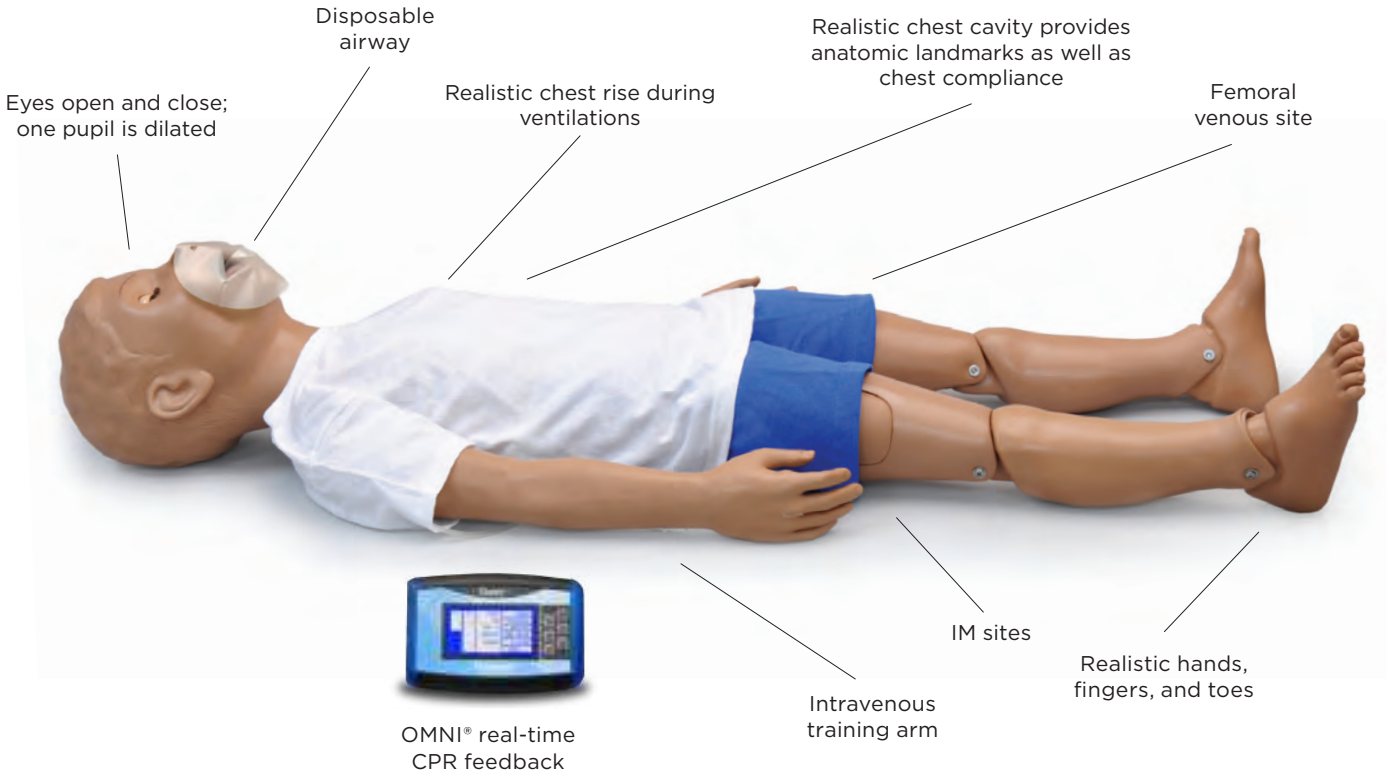
Realistic chest rise during ventilation



Realistic chest compression and recoil

Five-Year-Old CPR Care Simulator

This durable and reliable simulator is designed to help participants practice and quickly improve the basic life support skills needed to treat pediatric patients. Includes real-time CPR feedback that can be exported for debriefing and progress monitoring.





Multiple pulse points: carotid, femoral, and brachial arterial pulse points



Realistic chest rise during ventilation



Monitor CPR quality metrics in real-time with OMNI® included with S152 and S154 models

Scan to browse Basic Life Support simulators

Features for S154

- Fully articulating head and jaw with teeth and tongue
- Individual disposable airways to practice hygienic mouth-to-mouth ventilation
- Airway blocked when head forward
- Realistic chest rise during ventilation
- Intraosseous infusion
- Intravenous training arm
- Carotid, femoral, and brachial arterial pulse sites
- Femoral venous site
- Intramuscular (IM) injection sites on the deltoids and quadriceps
- OMNI® Code Blue® pack monitors and logs the cadence and depth of cardiac compression and airway ventilation
- Soft, lifelike face with molded hair
- Eyes open and close in realistic eye sockets for ophthalmic purposes
- Bends at waist
- Jointed elbows, wrists, knees, ankles
- Realistic hands, feet, fingers, and toes
- Detachable at waist for easy storage
- Practice regular or vest CPR
- Custom nylon carrying bag
- User guide

Features	S151	S152	S153	S154
Disposable airway	•	•	•	•
OMNI® real-time CPR feedback	–	•	–	•
Arms and legs	•	•	•	•
Intraosseous access	–	–	•	•
IV access	–	–	•	•

Five Year Basic

S151.PK

Five Year with OMNI® 1

S152.PK

Five Year Basic

S153.PK

Five Year with OMNI® 1

S154.PK

Consumables

Disposable Airways

S151.841

Package of 10

S151.842

Package of 100

OMNI® Real-Time CPR Feedback

- Monitor CPR quality metrics in real-time
- Export CPR performance reports for debriefing





Ten disposable airways to practice hygienic mouth-to-mouth ventilation



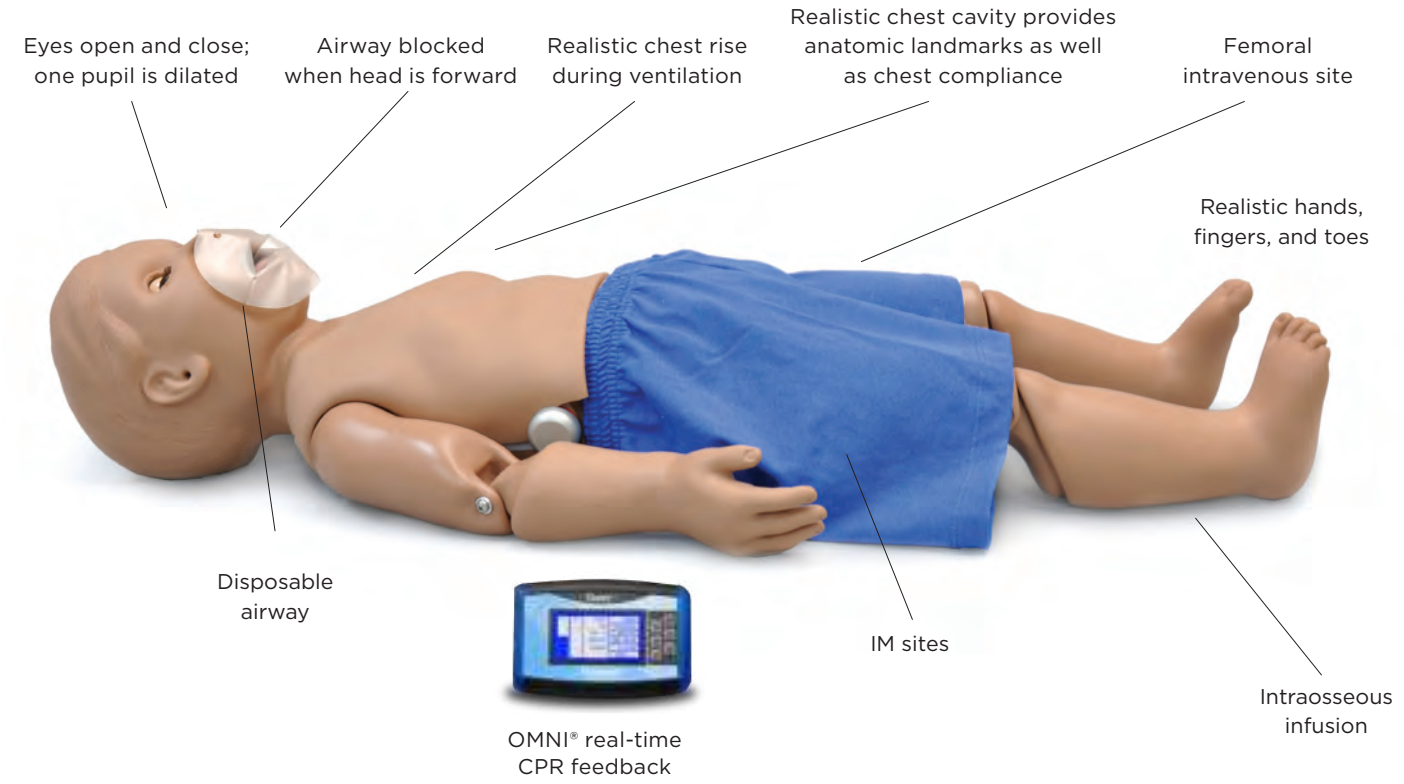
Intraosseous access standard on S153 and S154 models



Training arm and hand for intravenous, intramuscular, and subcutaneous access standard on S153 and S154 models

One-Year-Old CPR Care Simulator

This durable and reliable simulator is designed to help participants practice and quickly improve the basic life support skills needed to treat toddlers. Includes real-time CPR feedback that can be exported for debriefing and progress monitoring.





Multiple pulse points: bilateral brachial, right femoral, and left posterior tibial pulses



Realistic chest rise during ventilation



Monitor CPR quality metrics in real-time with OMNI®

Scan to browse Basic Life Support simulators

Features for S114

- Fully articulating head and jaw with teeth and tongue
- Individual disposable airways to practice hygienic mouth-to-mouth ventilation
- Airway blocked when head is forward
- Easily accessible chest cavity with molded ribcage, lungs, and heart
- Realistic chest rise during ventilation
- Intraosseous infusion
- Femoral venous site
- Intramuscular (IM) injection sites on the quadriceps
- Bilateral brachial, right femoral, and left posterior tibial pulses
- Soft, lifelike face skin with molded hair
- Eyes open and close in realistic eye sockets for ophthalmic purposes
- One normal eye and one dilated eye
- Practice regular or vest CPR
- T-shirt and shorts
- Custom nylon carrying bag
- Jointed elbows, wrists, knees, ankles
- Realistic hands, feet, fingers, and toes
- Detachable at waist for easy storage
- Custom nylon carrying bag
- User guide

Features	S111	S114
CPR	•	•
Disposable airway	•	•
Arterial pulse site	•	•
OMNI® real-time CPR feedback	–	•
Intraosseous access	–	•
Femoral venous site	–	•

One Year Basic

S111.PK

One Year with OMNI® 1

S114.PK

Consumables

Disposable Airways

S111.841

Package of 10

S111.842

Package of 100

OMNI® Real-Time CPR Feedback

- Monitor CPR quality metrics in real-time
- Export CPR performance reports for debriefing





Realistic chest cavity provides anatomic landmarks as well as chest compliance



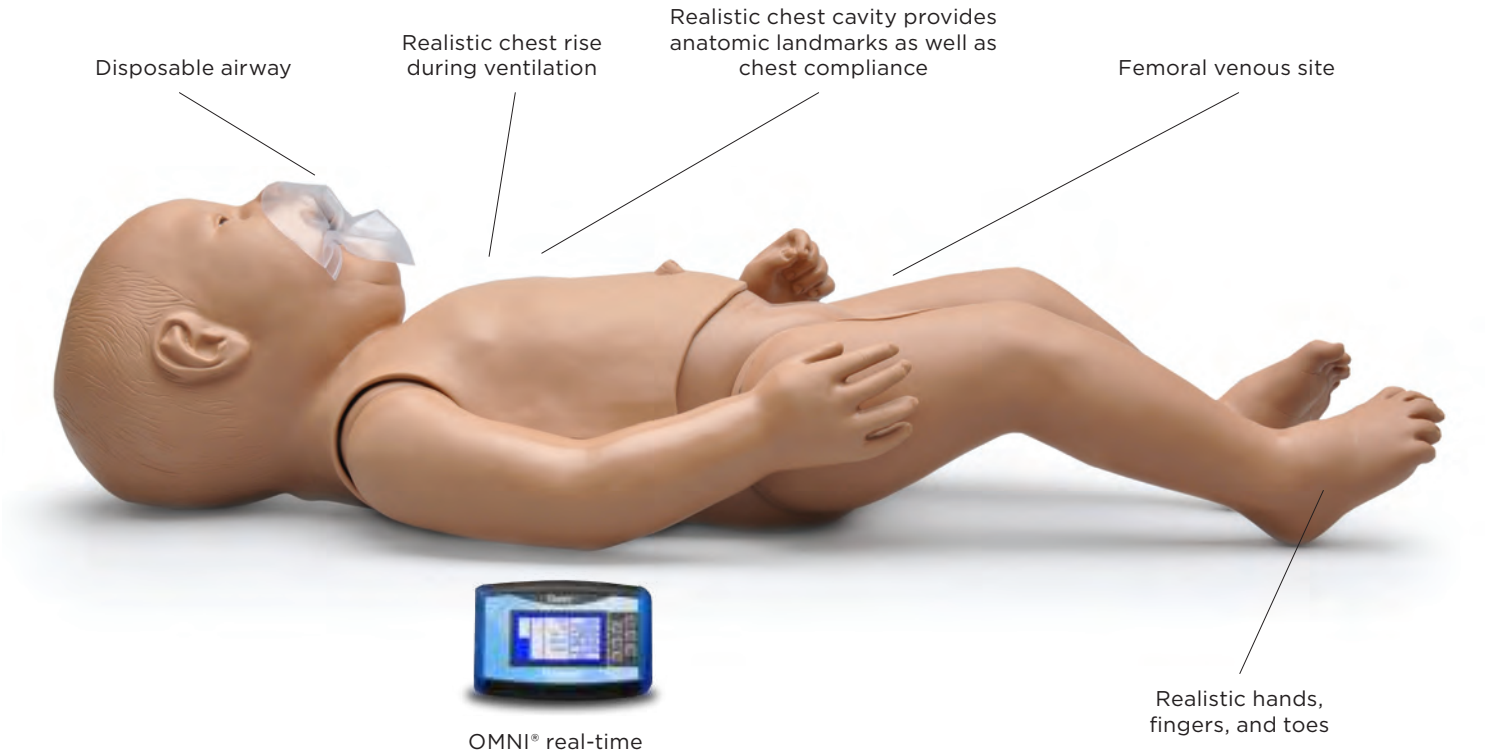
Intraosseous infusion system with realistic tibia bones standard on S114 model



Ten disposable airways to practice hygienic mouth-to-mouth ventilation

The Susie Simon® Newborn CPR and Trauma Care Simulator

The Susie Simon is a durable and reliable newborn basic life support simulator. Designed to help participants practice and quickly improve the basic life support skills needed to treat newborns, Susie Simon includes real-time CPR feedback that can be exported for debriefing and progress monitoring.





Multiple arterial pulse sites



Realistic chest rise during ventilation



Monitor CPR quality metrics in real-time with OMNI®. Included with S104 and S102 models

Scan to browse Basic Life Support simulators

Features for S104

- Fully articulating head and jaw with tongue
- Individual disposable airways to practice hygienic mouth-to-mouth ventilation
- Airway blocks when the head is forward
- Realistic chest rise during ventilation
- Bilateral brachial, right femoral, and left popliteal arterial pulse points
- Femoral venous site
- OMNI® monitors and logs the cadence and depth of cardiac compression and airway ventilation
- Intraosseous infusion
- Realistic eye sockets for ophthalmic purposes
- Soft, lifelike face with molded hair
- Diaper and bodysuit
- User guide
- Custom nylon carrying bag

Features	S101	S102	S103	S104
CPR	•	•	•	•
Disposable airway	•	•	•	•
Arterial pulse sites	•	•	•	•
OMNI® real-time CPR feedback	–	•	–	•
Intraosseous access	–	–	•	•
Femoral venous site	–	–	•	•

OMNI® Real-Time CPR Feedback

- Monitor CPR quality metrics in real-time
- Export CPR performance reports for debriefing



Susie Simon® Basic

S101.PK

Susie Simon® with OMNI® 1

S102.PK

Susie Simon® Basic

S103.PK

Susie Simon® with OMNI® 1

S104.PK

Consumables

Disposable Airways

S101.841

Package of 10

S101.842

Package of 100



Intraosseous infusion system with realistic tibia bones for S103 and S104



Realistic chest cavity provides anatomical landmarks as well as chest compliance



Ten disposable airways to practice hygienic mouth-to-mouth ventilation

Scan to browse Adult Skills Trainers



HAL® ADULT HEART & LUNG SOUNDS

Auscultation Training

Heart & Lung Sound Skills Trainers

The VS100 Virtual Stethoscope is a powerful tool for improving auscultation skills. It can simulate 40 realistic normal/abnormal heart and lung sounds, allowing users to improve their ability to assess patients and retain those skills.

The simulated sounds are produced within the stethoscope bell, eliminating the need for bulky boxes and transmitters, creating a more realistic experience, and enhancing the learning process. For teaching purposes, the package also includes a set of optional loudspeakers, enabling instructors to demonstrate to larger groups.

Easy to use and highly portable, the VS100 Virtual Stethoscope is an excellent choice for improving auscultation skills.

HAL® Adult Heart & Lung Sounds

S315.200.M2.PK



Virtual Instrument® Adult Heart & Lung Sounds Skills Trainer

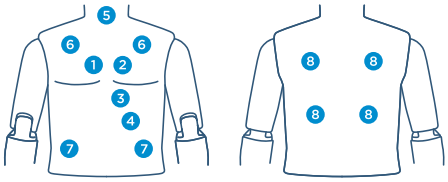
- Full-size adult torso with palpable anatomic landmarks
- Sensor network hidden beneath the skin
- Hear the appropriate heart or lung sounds as the stethoscope's bell is moved to sites on the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope so a classroom can hear what the student hears
- User guide
- Carrying bag
- Site-specific sounds are an application of our patented Virtual Instrument® technology. Patents 6,193,519 and 6,443,735

Heart & Lung Sounds Update Kit

Sxxx.848

Adult Heart & Lung Sounds Kit

- Convenient torso overlay with sensor network hidden beneath the skin
- Hear the appropriate heart and lung sounds as the stethoscope's bell is moved across the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope so a classroom can hear what the student hears
- User guide
- Compatible with
  - » Susie Simon® S200
  - » Susie Simon® with Ostomy S201
  - » Simple Simon® S205
  - » Simple Susie® S206
  - » Clinical CHLOE™ S220
  - » Clinical CHLOE™ S221
  - » Clinical CHLOE™ S222





Red

1. Base Sounds
2. Physiological Split S2
3. Opening Snap
4. Midsystolic Click
5. Tracheal Sounds
6. Bronchial Sounds
7. Wheezing Sounds
8. Coarse Crackles

Blue

1. Fixed Split S2
2. Split S2
3. Friction Rub
4. Intermittent S4
5. Stridor Sounds
6. Wheezing Sounds
7. Pleural Friction
8. Pulmonary Edema

Purple

1. Base Sounds
2. Physiological Split S2
3. Paradoxical Split S2
4. Apex Sounds
5. Tracheal Sounds
6. Bronchial Sounds
7. Bronchial Sounds
8. Ronchi Crackles

Green

1. Fixed Split S2
2. Physiological Split S2
3. Opening Snap
4. S3
5. Stridor Sounds
6. Wheezing Sounds
7. Pleural Friction
8. Coarse Crackles

Yellow

1. Fixed Split S2
2. Split S2
3. Friction Rub
4. Starr-Edwards Valve
5. Stridor Sounds
6. Wheezing Sounds
7. Med-Fine Crackles
8. Pulmonary Edema

S.M.A.S.H. S402.100

Advanced Patient Training Arm

- Variable pulse rate and strength
- Brachial and radial arteries
- Multi-layer surgical inserts
- Venous and arterial exercises
- Hemodialysis exercises





Scan to browse Adult Skills Trainers

S ubcutaneous
Intra M uscular
A rterial
S uture
H emodialysis



S.M.A.S.H. Advanced Venous and Arterial Training Arm

The S.M.A.S.H. Advanced Patient Training Arm by Gaumard offers unparalleled realism in a sleek design. The simulator's shoulder contains a micropump that delivers automatically generated arterial pulses at the radial and brachial sites, allowing for variable heart rate and pulse strength. Participants can create an arteriovenous (AV) fistula and place an AV graft using interchangeable arterial and venous inserts within the forearm. The arm also includes a simulated healed fistula insert, ideal for hemodialysis exercises. Additionally, a multi-layer insert in the bicep area allows for incision and suture training exercises. With these advanced features, the S.M.A.S.H. Advanced Patient Training Arm provides a realistic and comprehensive platform for medical training.

Features

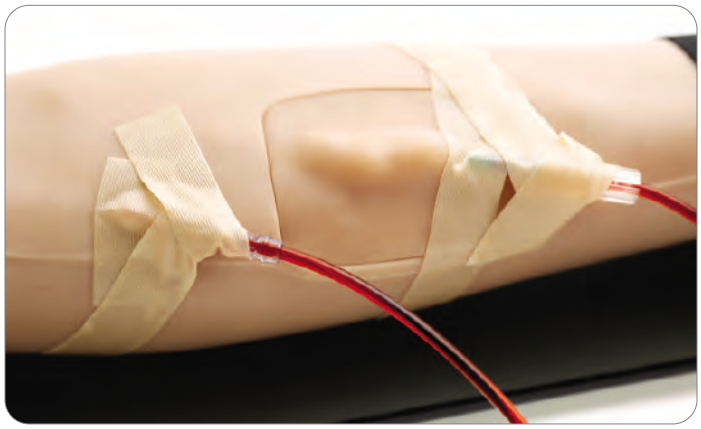
- Arterial and venous insert for IV and blood draw exercises, AV anastomosis, and AV graft placement. This multi-layer surgical insert includes the skin, subcutaneous tissue, muscle, radial artery, and radial vein
- AV fistula insert that simulates a healed fistula for hemodialysis exercises
- Multi-layer bicep insert includes the skin, subcutaneous tissue, and muscle. Allows incision and suturing exercises
- Realistic tactile feedback for both surgical and arterial and venous stick exercises
- Adjustable heart rate and pulse strength simulating a heart rate from 10 to 150 BPM
- Cephalic (antecubital), Basilic, Radial, and Ulnar veins, as well as radial and brachial arterial access
- Rotating arm allows dorsal and volar access along the length of the arm
- Varying vessel palpability to simulate collapsed or bulging vessels
- Ease of assembly
- Latex-Free
- Available as a standalone skills trainer or as an upgrade for select full-body patient simulators
- Optional add-on for S200, S201, S205, S206, S220 & S221



Subcutaneous injection sites



Intramuscular injection site



Hemodialysis exercises



Micropump-controlled arterial system providing variable heart rate and pulse strength.

S.M.A.S.H. Advanced Patient Training Arm Upgrade

The S.M.A.S.H. Advanced Patient Training Arm is available as an optional add-on to a selection of Gaumard® adult simulators, including SUSIE®, Simon®, and CHLOE™, thereby providing the advantage of a full-body trainer for the following patient simulators: S200, S201, S205, S206, S220, and S221.



- Replicates the skin, subcutaneous, and muscle layers at all surgical sites
- Upgraded inserts, skins, and vessels for improved tactile feedback
- Quiet and compact micropump embedded within the shoulder generates variable heart rates and pulse strength, improving the portability of the unit
- Easy to replace plug-and-play inserts allow quick change-out between procedures
- Latex-free vessels with improved access for hassle-free replacement

Advanced Arterial and Venous Training Arm Add-on

Sxxx.803R.AIV.R2



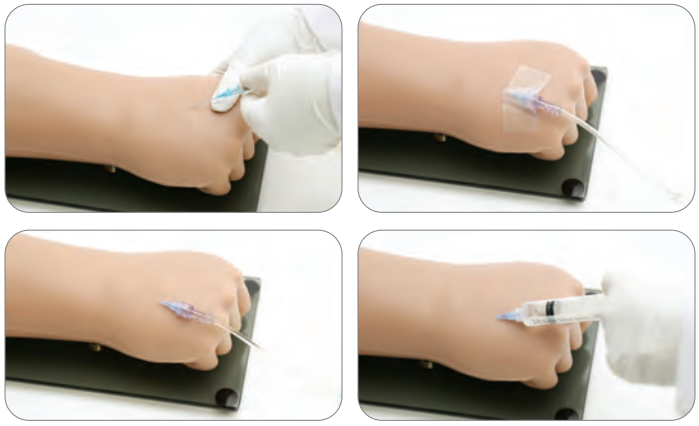
Arterial and venous blood sampling



Arterial and venous blood sampling



Arterial system providing palpable radial pulse



IV exercises on dorsum of hand

S.M.A.S.H. Advanced Patient Training Arm

S402.100R.PK

Consumables

Arterial & Venous Insert

30030068C

Fistula Insert

S402.100.912

Incision & Suture Insert

S402.100.913

Arm Skin

13080446A

Vein Filling Kit

S402.100.985

Artificial Blood Concentrate

GU.080

Dispensing Blood

S402.100.811

Replacement Veins

S402.100.810

Scan to browse Adult Skills Trainers

Scan to browse Adult Skills Trainers



S401.100 Advanced Multipurpose Venous Training Arm

All features required for IV, IM, and Sub-Q training in one challenging simulator.

Features

- Connects to select Gaumard patient simulators
- Subtle venous network in arm and hand
- Cephalic, basilic, antecubital, radial, and ulnar veins
- Realistic "pop" as needle enters vein
- Intramuscular injection site in deltoid area
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Squeeze bulb to increase or decrease venous pressure
- Veins stand out or collapse
- Easily replaceable skin and veins
- Administration of medication by intravenous bolus
- Simulation of infusion technique
- Blood collection exercises with simulated blood
- Simulation of clenched fist and tourniquet position
- Smoked Lucite® base with stand
- Soft nylon carrying bag
- Setup kit with simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, and funnel
- User guide

S401.100 Advanced Multipurpose Venous Training Arm

Left

S401.100L.PK

Right

S401.100R.PK

The S401.100 arm is also available as a pre-installed optional upgrade for the following full-body patient simulators: S200, S201, S205, S206, S220, and S221.

Multipurpose Intravenous Training Add-on

Left

Sxxx.803L.MIV

Right

Sxxx.803R.MIV





S401 Multipurpose Venous Training Arm

Our multipurpose training arm provides all the features of a conventional intravenous arm and the ability to practice intramuscular and subcutaneous injections. This skills trainer offers you a safe and sanitary platform for facilitating the teaching of the human arm's anatomy, medication administration, and aseptic techniques.

Features

- Prominent venous network
- Simulated cephalic, basilic, antecubital, radial, and ulnar veins
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Veins in dorsum of hand
- Simulation of clenched fist and tourniquet position
- Simulation of collapsed veins
- Simulation of infusion technique
- Blood collection exercises with simulated blood
- Administration of medication by intravenous bolus
- Resealing veins and outer skin
- Realistic "pop" as needle enters vein
- Smoked Lucite® base with stand
- Soft carrying bag
- Setup kit with simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, funnel, and talcum powder
- User guide

The S401 arm is also available as a pre-installed optional upgrade for the following full-body patient simulators: S200, S201, S205, S206, S220, and S221.

S401 Multipurpose Venous Training Arm

S401R.PK

Multipurpose Intravenous Training Arm Add-on

Sxxx.803R.IV

S400 Intravenous Training Arm

Adult IV Training arm designed for essential training in blood collection, infusion, and intravenous injections.

Features

- Prominent venous network
- Simulated cephalic, basilic, antecubital, radial, and ulnar veins
- Simulation of infusion technique with simulated blood
- Administration of medication by intravenous bolus
- Simulation of clenched fist or tourniquet position
- Simulation of collapsed veins
- Realistic "pop" as needle enters vein
- Resealing veins and outer skin

S400 Intravenous Training Arm

S400R.PK

S400 IV Training arm, Lucite® base, blood bag, synthetic blood concentrate, spare arm skin, squeeze bulb user guide, and soft carrying case.

S415 BLOOD PRESSURE TRAINING SYSTEM



Scan to browse Adult Skills Trainers

OMNI® 2 Blood pressure reading training system

The S415 Blood Pressure Training System includes a full-size adult left arm that may also be attached to select Gaumard adult manikins. This is a versatile training tool developed to assist health professionals in teaching the processes and skills required to perform blood pressure auscultation procedures and techniques.

The real-time blood pressure gauge view lets you see what the learner sees to help confirm the accuracy of readings. Easily adjust pulse rate and auscultatory gap with just a few taps.

- Full-size left arm that may also be attached to Gaumard manikin
- Programmable, palpable radial pulse when cuff pressure is less than the selected systolic blood pressure
- Korotkoff sounds K1 through K4 (K5 is silence) audible between systolic and diastolic pressures
- Korotkoff sounds automatically silenced if auscultation gap is selected
- Korotkoff sounds automatically adjusted depending upon selected heart rate and the rate of cuff deflation
- Conventional stethoscope to auscultate Korotkoff sounds in the antecubital area
- Programmable Blood Pressure Auscultation Tutor
- Adjustable systolic and diastolic pressures
- Adjustable auscultation gap
- Adjustable pulse rate
- Display tracks cuff pressure
- International power supply v100 to 240VAC
- Optional speakers with volume control allow students to hear what the individual student hears while using the stethoscope
- Soft carrying bag
- User guide



Blood Pressure Training System

Blood Pressure Training System with OMNI® 2

S415.250.PK

Blood Pressure Training System with OMNI® 1

S415.PK

The S415 arm is also available as a pre-installed optional upgrade for the following full-body patient simulators: S200, S201, S205, S206, S221, S222, 303, S304, S310, S311.

Blood Pressure Arm Add-on

Sxxx.989L

Blood Pressure Training System with Speakers

Blood Pressure Training System with OMNI® 2 and Speakers

S415.100.250.PK

Blood Pressure Training System with OMNI® 1 and Speakers

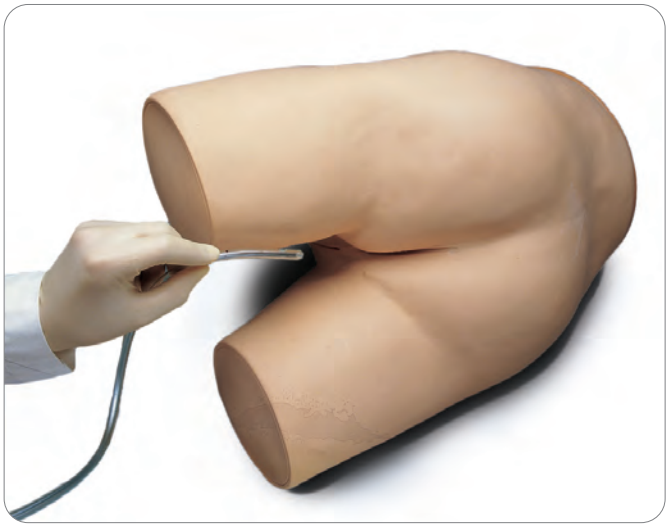
S415.100.PK

Advanced Patient Care Enema Skills Trainer

- Modular rectal valve to simulate sphincter mechanism
- Enema administration kit
- Smoked Lucite® stand for enema bag
- User guide
- Soft carrying bag

Advanced Patient Care Enema Skills Trainer

S230.5.PK

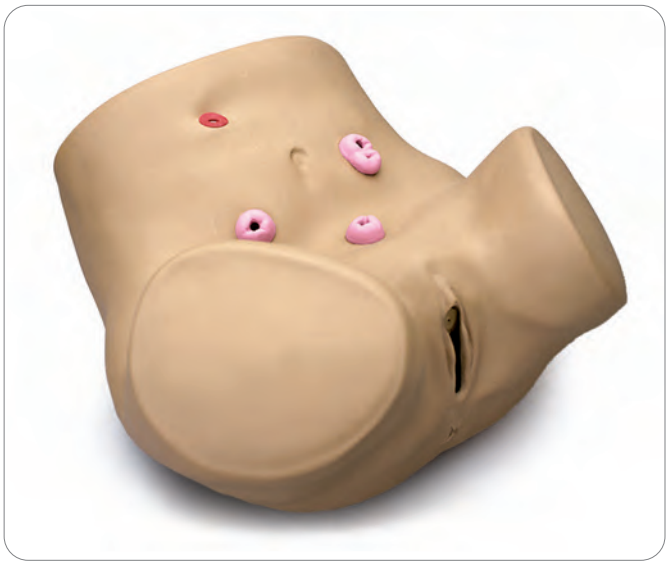


Advanced Female Ostomy Care Skills Trainer

- Sculpted stomas of a transverse colostomy, an ileostomy, and a suprapubic stoma
- Stoma sites connect to removable, replaceable internal tanks representing the colon, small bowel, ileum, and bladder
- Application of disposable or permanent ostomy bags
- Treatment of skin conditions around stoma sites

Advanced Female Ostomy Care Skills Trainer

S230.2.PK



Advanced Patient Care Male Catheterization Skill Trainer

- Male lower torso with realistic penis and scrotum
- Normal size prostate gland for palpation during rectal examination
- Internal bladder reservoir for standard catheterization exercises
- External bladder reservoir mounted on smoked Lucite® stand for bladder exercises
- One spare internal bladder tank
- User guide
- Soft carrying bag

Advanced Patient Care Male Catheterization Skill Trainer

S230.7.PK

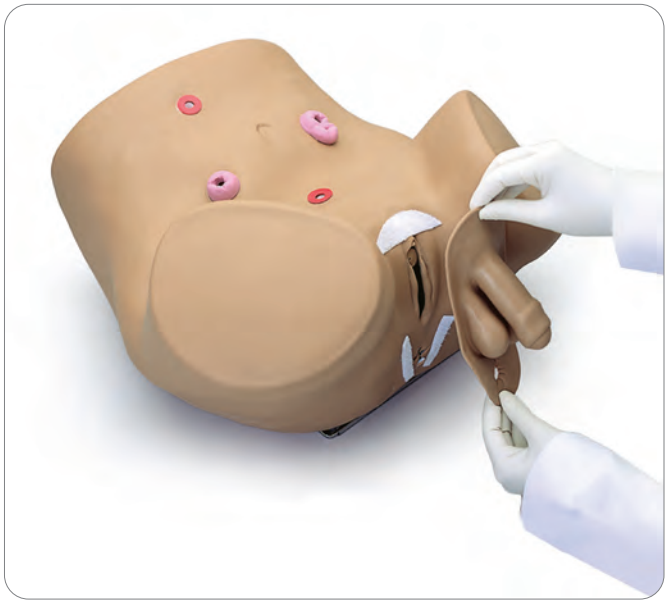


See additional adult male skill trainers on page 247

Advanced Patient Care Male and Female Catheterization Skills Trainer

This "two-in-one" simulator combines the features of the female and male catheterization simulators at an unbeatable price. Students can gain the confidence and competence required to perform bladder catheterization techniques on male and female patients.

- Complete catheterization training
- Interchangeable, realistic male organ
- Fully functional stomas connected to removable, replaceable internal tanks
- Modular urethral valve to prevent fluid leakage
- User guide
- Soft carrying bag



Advanced Patient Care Male and Female Catheterization Skills Trainer

S230.10.PK

Advanced Patient Care Female Catheterization Skills Trainer

- Female lower torso with realistic vulval area and urethral opening
- Internal bladder reservoir for standard catheterization exercises
- External bladder reservoir mounted on smoked Lucite® stand for bladder exercises
- Modular urethral valve prevents fluid leakage
- User guide
- Soft carrying case



Advanced Patient Care Female Catheterization Skills Trainer

S230.6.PK

Scan to browse Adult Skills Trainers

Scan to browse Adult Skills Trainers



S411 LUMBAR PUNCTURE TRAINER

Provides realistic tactile feedback combined with a fluid supply and pressure system, allowing the collection of CSF and measurement of opening pressure. Ideal for practicing injecting local anesthesia, aseptic technique, needle insertion between vertebrae, lumbar puncture, and epidural.

Lumbar Puncture Trainer

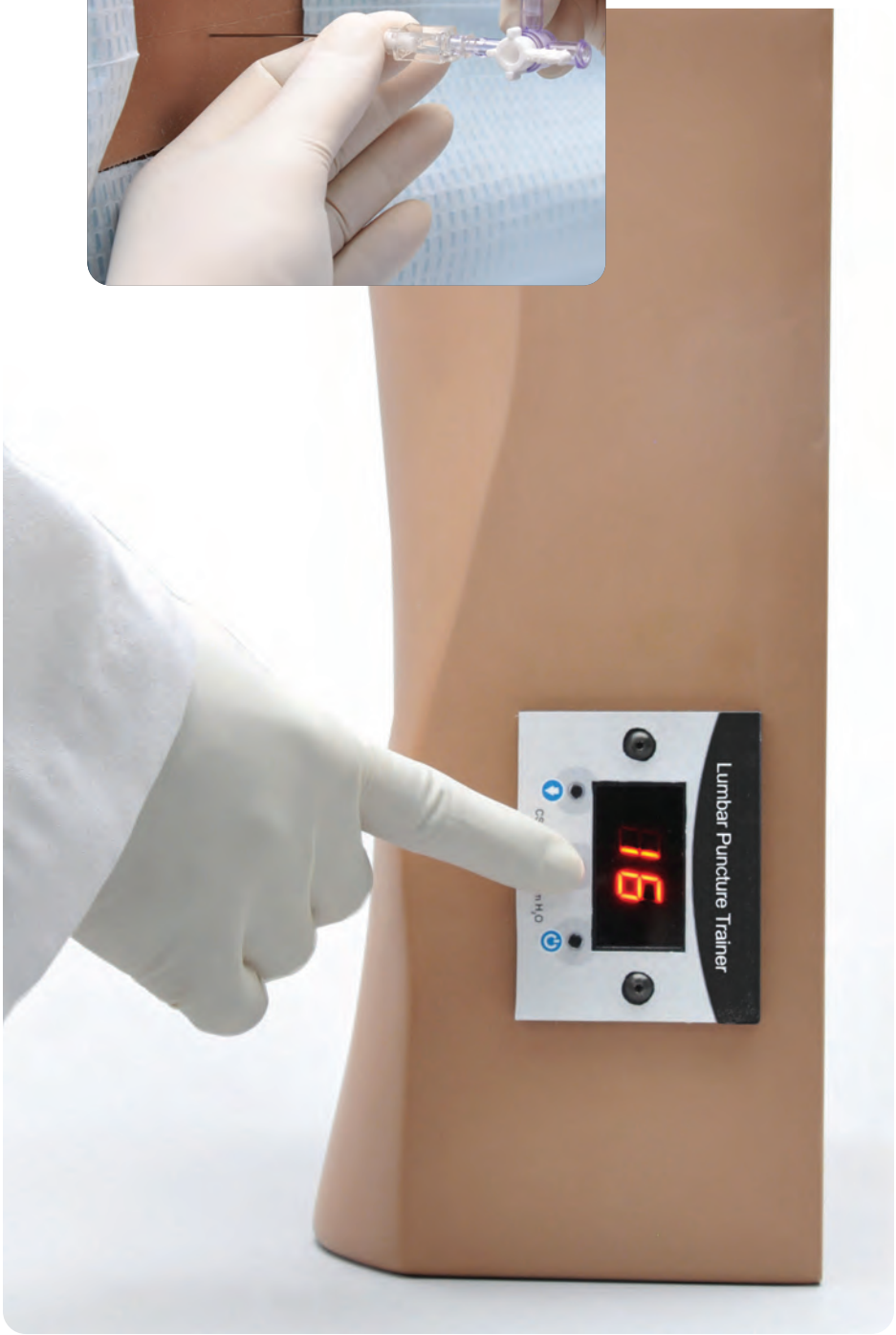
- Replaceable spinal cord insert with skin layer, subcutaneous layer, connective tissue, and lumbar vertebrae
- Anatomic features include: iliac crests, lumbar vertebrae L2 – L5, ligamentum flavum, epidural space, and dura
- Needle insertion possible between vertebrae
- Lifelike needle resistance, including pops when needle traverses ligamentum flavum and dura
- Self-healing skin that allows 15 uses with an 18-gauge needle and 25 uses with a 22-gauge needle before replacement is necessary
- Simple to fill simulated CSF and set fluid pressure, thereby allowing students to collect CSF and measure CSF opening pressure
- Pressure system with simple push-button operation to increase or decrease pressure
- LED displays pressure set-point ranging from low, medium, to high pressure
- Practice procedure in the left lateral decubitus or sitting position
- Trainer can be used to simulate aseptic technique and local anesthetic at puncture site
- Latex-free

S411 Lumbar Puncture Skills Trainer

S411.PK

This microprocessor-controlled simulator contains a built-in compressor that pressurizes the fluid system, maintaining the pressure at the designated set point. A pressure sensor monitors the simulated cerebrospinal fluid pressure.





Scan to browse Pediatric and Newborn Skills Trainers



PEDIATRIC HEART & LUNG SOUNDS TRAINER

Auscultation Training

Heart & Lung Sound Skills Trainers

The VS105 Virtual Stethoscope is a powerful tool for improving pediatric auscultation skills. Paired with compatible trainers, learners can practice identifying 40 realistic normal/abnormal heart and lung sounds to improve sound identification and skill retention. Sounds are produced within the stethoscope bell, eliminating the need for bulky boxes and providing a more realistic experience. Simply press the bell against the skin at the correct anterior or posterior auscultatory site and listen to the corresponding sound. The package includes a set of external speakers for teaching purposes, enabling instructors to demonstrate to larger groups.



- Full-size pediatric manikin with palpable anatomic landmarks
- Sensor network is hidden beneath the skin
- Hear the appropriate heart or lung sounds as the stethoscope's bell is moved across the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart & lung sounds
- An external speaker plugs into the virtual stethoscope so a classroom can hear what the student hears
- User guide
- Carrying bag
- Site-specific sounds are an application of our patented Virtual Instrument® technology. Patents 6,193,519 and 6,443,735

Heart & Lung Sounds Skills Trainer

S314.200.PK 5 Year

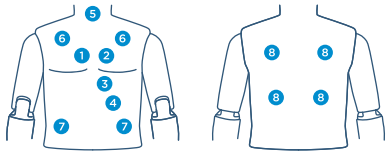
S312.200.PK 1 Year

Adult and Pediatric Heart & Lung Sounds Upgrade Kit

- Convenient torso overlay with sensor network hidden beneath the skin
- Hear the appropriate heart and lung sounds as the stethoscope's bell is moved across the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope so a classroom can hear what the student hears
- User guide
- Compatible with S110, S111, S114, S115, S117, S150, S151, S152, S153, S154, S157, S312, S314

Heart & Lung Sounds Update Kit

Sxxx.848



Red

1. Aortic Stenosis
2. Systolic Fixed S2
3. Pulmonary Stenosis
4. Six-Year-Old Heart
5. Normal Child
6. Wheezing Sounds
7. Wheezing Sounds
8. Ronchi Sounds

Blue

1. Venous Hum
2. Pulmonic Stenosis
3. Split S1
4. Split S1
5. Stridor Sounds
6. Wheezing Sounds
7. Wheezing Sounds
8. Ronchi Sounds

Purple

1. Aortic Stenosis
2. Split S2
3. Pulmonary Stenosis
4. One-Year-Old Heart
5. Normal Infant
6. Wheezing Sounds
7. Wheezing Sounds
8. Ronchi Sounds

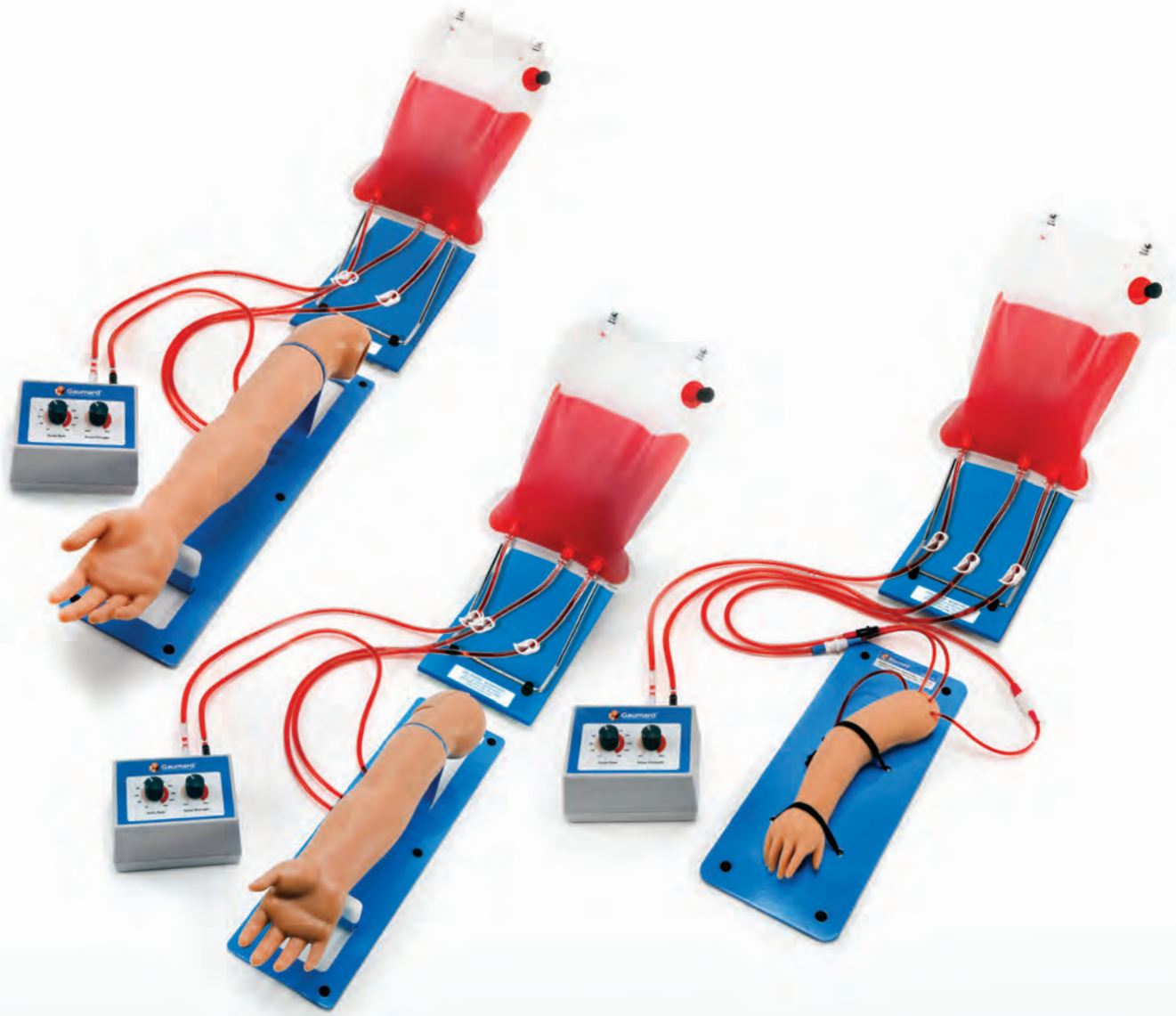
Green

1. Venous Hum
2. Systolic Fixed S2
3. Split S1
4. Stills Murmur
5. Stridor Sounds
6. Wheezing Sounds
7. Wheezing Sounds
8. Ronchi Sounds

Yellow

1. Venous Hum
2. Pulmonic Stenosis
3. Split S1
4. Mitral Valve Regurg
5. Stridor Sounds
6. Wheezing Sounds
7. Wheezing Sounds
8. Ronchi Sounds

Scan to browse Pediatric and Newborn Skills Trainers



PEDIATRIC IV AND ARTERIAL ACCESS TRAINING ARMS

5-Year, 1-Year, and Newborn Skill Trainers

Advanced Pediatric IV and Arterial Access Training Arms

The new Gaumard® Pediatric Training Arms offer educators the most realistic and versatile platform for teaching intravenous and arterial access skills to learners of all levels.







5-Year Pediatric IV and Arterial Access Training Arm

S405.100R

Package includes: 5-Year Pediatric Training Arm, control box, blood dispensing bag, accessories, power supply, user guide, 1-Year Limited Warranty.

- Realistic arterial and venous network
- Adjustable pulse strength and rate (0 - 180 BPM)
- Palpable radial and brachial pulse
- Ulnar, cephalic, cubital, and basilic venipuncture
  - » cannulation, infusion, bolus injection, blood draw/collection, and observe flashback
- Radial and brachial arterial access
  - » blood sampling/collection, and observe flashback
- IM injection
- Sub-Q injection
- Humeral IO access and continuous infusion
- External blood reservoir for continuous fluid supply and vessel pressurization
- Rotatable arm and shoulder
- Easily replaceable veins and arteries
- Lifelike skin
- Latex-Free
- Articulating wrist allows palmar flexion
- Use as a stand-alone or attached to stand

1-Year Pediatric IV and Arterial Access Training Arm

S406.100R

Package includes: 1-Year Pediatric Training Arm, control box, blood dispensing bag, accessories, power supply, user guide, 1-Year Limited Warranty.

- Realistic arterial and venous network
- Adjustable pulse strength and rate (0 - 180 BPM)
- Palpable radial and brachial pulse
- Ulnar and cubital venipuncture
  - » cannulation, infusion, bolus injection, blood draw/collection, and observe flashback
- Radial and brachial arterial access
  - » blood sampling/collection, and observe flashback
- IM injection
- Humeral IO access and continuous infusion
- External blood reservoir for continuous fluid supply and vessel pressurization
- Rotatable arm and shoulder
- Easily replaceable veins and arteries
- Lifelike skin
- Latex-Free
- Articulating wrist allows palmar flexion
- Use as a stand-alone or attached to stand

Newborn IV and Arterial Access Training Arm

S408.100R

Package includes: Newborn Training Arm, control box, blood dispensing bag, accessories, power supply, user guide, 1-Year Limited Warranty.

- Realistic arterial and venous network
- Adjustable pulse strength and rate (0 - 180 BPM)
- Palpable radial and brachial pulse
- Ulnar and cubital venipuncture
  - » cannulation, infusion, bolus injection, blood draw/collection, and observe flashback
- Radial and brachial arterial access
  - » blood sampling/collection, and observe flashback
- External blood reservoir for continuous fluid supply and vessel pressurization
- Easily replaceable veins and arteries
- Lifelike skin
- Latex-Free
- Articulating wrist allows palmar flexion
- Use as a stand-alone or attached to stand
- Allows transillumination for vein access



S408 Newborn Injection Training Arm

The S408 Injection Training Arm is an effective training tool for practicing intravenous and arterial line placement on a newborn patient.

Features

- A medial venous antecubital vein for IV exercises
- Radial and brachial arteries
- Two veins in the dorsum of the hand for additional training techniques

S408 Newborn Injection Training Arm

S408.PK

Newborn Injection Training arm, Lucite® base, blood bag, synthetic blood concentrate, spare arm skin, squeeze bulb, user guide, and soft carrying case.



S406 One-Year Injection Training Arm

Features

- A medial venous antecubital vein for IV exercises
- Radial and brachial arteries
- Two veins in the dorsum of the hand for additional training techniques

S406 One-Year Pediatric Injection Training Arm

S406.PK

S406 Injection Training arm, Lucite® base, blood bag, synthetic blood concentrate, spare arm skin, squeeze bulb, user guide, and soft carrying case.

MIKE® and MICHELLE® Pediatric 5-Year-Old Training Arm

S405.PK

S405 Injection Training arm, Lucite® base, blood bag, synthetic blood concentrate, spare arm skin, squeeze bulb, user guide, and soft carrying case.



S407 One-Year-Old Intraosseous Infusion & Injection Leg

The MIKE® and MICHELLE® Intraosseous Leg simulates the leg of an average one-year-old child. The leg is attached to a half section of a lower torso. A replaceable tibial bone lies under a smooth outer skin and is molded with anatomic landmarks for teaching intraosseous access and infusion. A femoral vein/artery pair and an intramuscular injection site are included.

One-Year-Old Intraosseous Infusion & Injection Leg

S407.PK

S407 IO and Injection Leg, Lucite® base, blood bag, synthetic blood concentrate, spare skin, IO bone set, squeeze bulb, user guide, and soft carrying case.



S409 Newborn Intraosseous Infusion & Injection

The Susie Simon® Intraosseous Leg simulates that of a newborn. A replaceable tibial bone lies under a smooth outer skin. It includes anatomic landmarks and an intramuscular (IM) site for teaching intraosseous access/infusion.

S409 Newborn Intraosseous Infusion & Injection Leg

S409.PK

S409 IO and Injection Leg, Lucite® base, blood bag, synthetic blood concentrate, spare skin, IO bone set, squeeze bulb, user guide, and soft carrying case.

Scan to browse Pediatric and Newborn Skills Trainers

BREAST PALPATION SIMULATOR

For Clinical Teaching

Gaumard's Breast Palpation Simulator is an innovative clinical teaching tool designed to provide healthcare professionals with a realistic and immersive training experience. With its state-of-the-art materials and lifelike softness, this simulator offers a highly realistic look, feel, and texture that closely resembles real breast tissue.

Featuring both left and right breasts, as well as axilla regions, and a range of masses with distinct textures, the simulator is an invaluable resource for identifying normal and abnormal conditions. Its realistic design makes it an excellent platform for demonstrating breast examination techniques and improving clinical skills.

The S230.40 Breast Palpation Simulator's six interchangeable breasts include various pathologies. Different malignant and benign tumors are included within the mammary and axilla regions.



Scan to browse Women's Health Skills Trainers

Breast Palpation

S230.40.PK

Features

- Three interchangeable left breasts demonstrating fibrocystic disease (chronic mastitis), benign tumor, scirrhous carcinoma
- Three interchangeable right breasts demonstrating carcinoma and the "orange skin" effect, giant sarcoma, and normal breast tissue
- Lifelike softness
- Realistic texture and durability
- Breasts are attached to an adult upper torso and can be easily removed and reassembled
- The trainer can be used in either the upright or reclining position
- Medium skin tone standard
- Light or dark skin tone optional at no extra cost
- Soft carrying bag



Breast pathology

The following is a detailed description of the six interchangeable breast inserts:

1. **Right Breast #1:** Normal
2. **Right Breast #2:** This breast features a palpable tumor, a giant sarcoma (or giant mammary myxoma), and allows you to palpate the growing masses.
3. **Right Breast #3:** This breast shows an inverted nipple with "orange skin" effect. On careful palpation, a mass can be felt immediately under the nipple. The breast represents a carcinoma in one of the milk ducts.
4. **Left Breast #1:** This breast represents various stages of fibrocystic disease. There are six discrete fibrocystic nodes and two additional malignant tumors, one of which is from an enlarged lymph node.
5. **Left Breast #2:** Three fibroadenomas varying in size from 10-16mm and an additional 20mm benign tumor are dispersed within the breast tissue.
6. **Left Breast #3:** Scirrhous carcinoma with realistic immovable tumor and undefined borders.



Right Breast #1: Normal Breast

S230.40.853R.1

Includes carrying bag

Right Breast #2: Giant Sarcoma with Wildly Growing Masses

S230.40.853R.2

Includes carrying bag

Right Breast #3: Inverted Nipple with "Orange Skin" Effect

S230.40.853R.3

Includes carrying bag

Left Breast #1: Fibrocystic Disease

S230.40.853L.1

Includes carrying bag

Left Breast #2: Benign Growth

S230.40.853L.2

Includes carrying bag

Left Breast #3: Scirrhus Carcinoma

S230.40.853L.3

Includes carrying bag

Adult Upper Torso

S230.40.870

Includes carrying bag



Left breast contains three cysts and six masses in the breast and axilla

Right breast contains ten cysts of different sizes and depths

Ultrasound equipment not included

Skin tones available at no extra charge

Breast phantom simulator

Left and right breasts attach to adult upper torso. The left breast permits ultrasound identification of cysts versus dense masses, while the right breast permits identification of cysts of different sizes and depths.

- Visualize masses and cysts using real ultrasound equipment
- Learn to do ultrasound-guided needle aspiration in a relaxed environment before moving on to actual patients
- Realistic texture and look
- Breasts easily removed and assembled
- Use in either the upright or reclining position
- Indiscernible masses and cysts prompt students to resort to ultrasound imaging
- Soft carrying bag
- User guide

Breast Phantom Simulator

S230.52.PK

Patents pending

Replacement Breast Pair

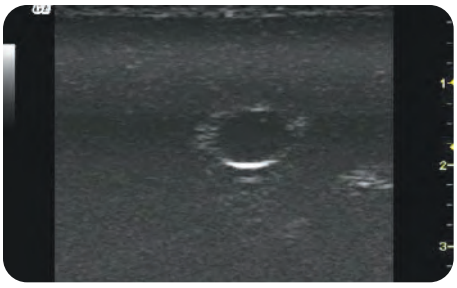
S230.52.853

Left Replacement Breast

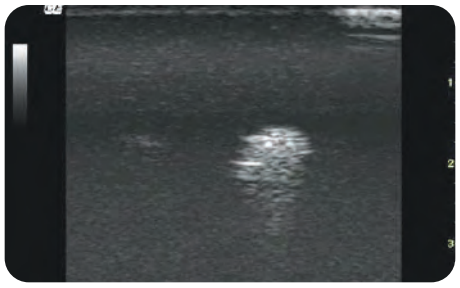
S230.52.853L

Right Replacement Breast

S230.52.853R



Ultrasound image from left breast showing cyst



Ultrasound image from left breast showing solid mass



Remove fluid while seeing the cyst shrink and then disappear

Right breast contains two masses designed to simulate an enlarged axillary lymph node and two fluid-filled cysts (19 and 24 mm).

Left breast contains four masses in the breast tissue and two masses in the axilla region. The masses range in size from 14 to 19 mm, and their depths range from 6 to 16 mm beneath the surface.



Breast self-examination

Left and right breasts attach to the adult upper torso. The left breast permits the ultrasound identification of cysts versus dense masses, while the right breast permits identification of cysts of different sizes and depths.

- Lifelike softness
- Realistic texture, look, and durability
- Breasts are attached to upper torso and can be easily removed and reassembled
- Simulator can be used in either the upright or reclining position
- Skin tones available at no extra cost
- Soft carrying bag
- User guide

Breast Examination Skills Trainer

S230.42.PK

Patents pending

Replacement Breast Pair

S230.42.853

Left Replacement Breast

S230.42.853L

Right Replacement Breast

S230.42.853R



Each breast is removable and may be purchased separately



Both breasts can be used to teach palpation (spiral or up and down method)



Learn to palpate differences between breast masses and cysts

Scan to browse Women's Health Skills Trainers

ZOE® S504.200

Gynecologic Skills Trainer

- Anatomically accurate pelvic landmarks
- Realistic normal and abnormal cervices and uteri
- Modular additions for growing curricula
- Practice and perfect 'sensitive' procedures



Scan to browse Women's Health Skills Trainers



ZOE® S504.200 Gynecologic Trainer

Lifelike anatomical features make ZOE the perfect addition to any gynecologic skills curricula, providing invaluable hands-on training experience on various gynecologic procedures.

- Speculum examination
- Bimanual examination
- Minilaparotomy
- Catheterization
- Fallopian occlusion
- Rectal medication
- Uterine sounding
- IUD placement

Accurate anatomy

ZOE helps learners develop clinical skills for scenario-based exercises.

- Uniform skin with elasticity
- Ischial spines and coccyx
- Realistic cervices & uteri

Modular Additions

Optional additional pathology packages.

- Uteri external pathologies
- Uteri internal pathologies
- Fistulous tract models

ZOE® Gynecologic Skills Trainer

S504.200.PK

The ZOE Gynecologic Torso comes with everything needed to start training in one complete package.

Torso Features

- Adult-sized lower torso with ischial spines and sacrum
- Vaginal introitus facilitates placement of a female condom or diaphragm
- Interchangeable cervices for visualization with speculum
- Lifelike cervices and uteri support bimanual examination
- Palpable, realistic uteri with ovaries and fallopian tubes
- Minilaparotomy visualization and occlusion of fallopian tubes
- Realistic urethra and bladder for catheterization exercises
- Perform uterine sounding with real instruments
- Interchangeable vulva for optional ZOE packages

Package Contents

- ZOE Gynecologic Torso
- Non-pregnant abdomen
- Anteverted uterus
- Retroverted uterus
- Clear IUD uterus
- Pregnant uteri: 6-8 weeks, 6-8 weeks w/ short ovarian ligaments, 10-12 weeks, 20 weeks
- (5) Normal patent cervices
- (6) Abnormal cervices
- Pregnant cervices: (3) 6-8 weeks, (3) 10-12 weeks
- Urine kit
- User guide

External Pathologies Uteri Package

S504.200.235

Interchangeable uteri for recognizing abnormalities.



Package Contents

- Enlarged uterus
- Small uterus
- Uterus with moderate retroversion
- Myomatous uterus
- Uterus with left-side salpingitis
- Uterus with right-side salpingitis
- Severely anteverted-anteflexed uterus
- Uterus with large ovarian cyst
- Uterus with medium ovarian cyst
- Bicornuate uterus

Internal Pathologies Uteri Package

S504.200.236

Interchangeable uteri for hysteroscopic viewing.



cutaway view

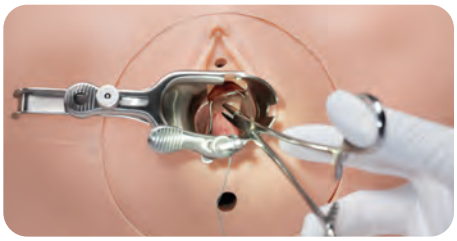
Package Contents

- Normal anteverted uterus
- Uterus with polyposis
- Uterus with varied polyps
- Uterus with hyperplasia
- Myomatous uterus
- Uterus with early carcinoma
- Uterus with advanced carcinoma
- Uterus with fundus carcinoma
- Subseptate uterus

Fistula Package

S504.200.700.1

Lifelike practice suturing fistulous tracts.



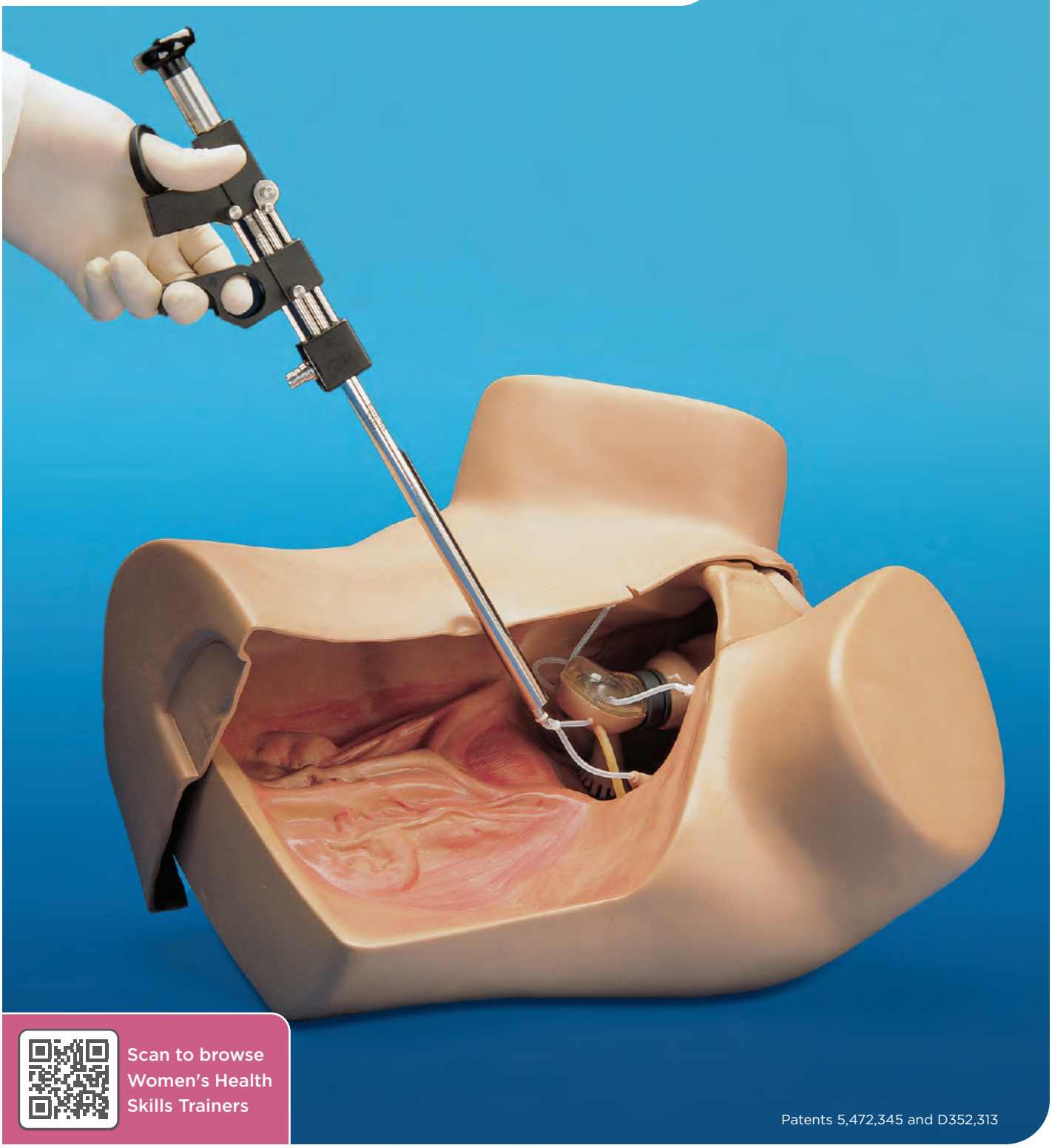
Package Contents

- Vulva with vesicovaginal, rectovaginal, and urethrovaginal fistulas
- Optional carrying case

ZOE® S504.100

Gynecologic Skills Trainer

ZOE® is an excellent gynecologic examination simulator designed by healthcare professionals for healthcare professionals. With its realistic design and features, ZOE allows you to practice multiple gynecologic procedures, including laparoscopic examination and minilaparotomy.

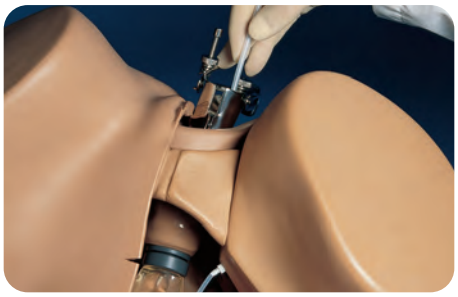


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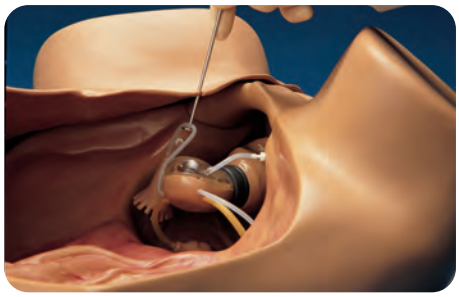
Patents 5,472,345 and D352,313



Interchangeable introitus for added flexibility to accommodate multiple ZOE options



Insertion of IUD into uterus



Replaceable fallopian tubes

Features

- Full-size female lower torso with relevant internal anatomic landmarks
- Bimanual pelvic examination
- Palpation of normal and pregnant uteri
- Vaginal examination, including the insertion of speculum
- Visual recognition of normal and abnormal cervices
- Uterine sounding
- IUD insertion and removal
- Distal end of vagina facilitates introduction of a female condom or sizing a 75mm diaphragm
- Removable introitus adds flexibility for multiple ZOE options
- Laparoscopic visualization and occlusion of fallopian tubes
- Minilaparotomy
- One anteverted and one retroverted parous uterus
- One normal uterus with short fallopian tubes for palpation exercise
- Early pregnancy uteri. One is 6-8 weeks, and the other is 10-12 weeks
- One twenty-week pregnant uterus
- Five normal cervices with patent os
- Four abnormal cervices
- Ten fallopian tubes
- Realistically sculpted and anatomically accurate ovaries and fimbriae
- Uterus and cervix feature patented “screw” design for fast and easy change-out
- Soft carrying bag



Interchangeable uteri with normal and abnormal external pathologies



Early pregnancy uteri



Normal and abnormal cervices



Interchangeable uteri

ZOE® Gynecologic Skills Trainer

S504.100.PK

ZOE S504.100 torso, anteverted and retroverted non-pregnant uteri, 20-week postpartum uterus, normal and abnormal cervices, IUD insertion uterus, accessories, user guide, and soft carrying bag.

Options

Seven Palpable Pathologies

S504.1.PK

Set of seven normal and abnormal uteri with externally palpable pathologies

Seven Internal Pathologies

S504.2.PK

Set of seven normal and abnormal uteri with internal pathologies for hysteroscopic viewing

48hr Postpartum Uterus

S504.3.PK

48hr postpartum uterus with duckbill cervix and fallopian tubes for IUD insertion using long curved forceps

Postpartum Uterus for IUD placement

S504.5.PK

10-minute postpartum uterus for IUD insertion

RITA™ Reproductive Implant Training Arm

S519.PK

A compact simulator designed to insert and remove Levonorgestrel (Norplant®) implants

Features

- Upper left arm on base
- Soft foam insert simulates soft arm tissue
- Supports insertion of implant using trochar
- Soft foam insert allows multiple insertion exercises
- Five tubular inserts
- One extra latex skin
- User guide



SIMA GYN/AID® Gynecologic Simulator

S503.PK

Patent 5,472,345

The full-size female adult lower body gives students and educators a graphic experience in vaginal speculum examination, bimanual pelvic examination, IUD insertion techniques, diaphragm sizing and fitting, uterine sounding, and viewing of normal and abnormal cervices.

Features

- Full-size female adult lower body with removable soft outer skin (1)
- One anteverted transparent uterus for IUD insertion and removal exercises
- Anteverted uterus (solid) with shortened round ligaments (1)
- Velcro attached airbag behind uterus (2)
- External squeeze bulb connected to the airbag (1)
- (1) normal and (5) abnormal anatomically accurate cervices
- Non-Patent Cervices (One normal, five with various pathologies) (6)
- Uteri (One normal, six with various pathologies) (7)
- Talcum Powder (1)
- User guide (1)
- Soft Carrying Bag (1)

Cervical Replicas

S505.PK

Patent 5,472,345

This "desktop" model is an excellent patient education tool for physicians and healthcare providers.

- Cervix with erosion
- Cervix with linear laceration
- Cervix with polyp
- Cervix with inflamed Nabothian cyst
- Cervix with acute purulent cervicitis
- Cervix with carcinoma
- Mounted on smoked Lucite base







Uterus I

S507.PK

Features

- Normal uterus
- Clear plastic window permits easy viewing of IUD
- Plastic window "tilts" open to permit removal of IUD



Uterus II

S507.100.PK

Features

- Coronal section of uterus, ovaries, and fimbriae
- Clear plastic window permits easy viewing of IUD

Scan to browse Women's Health Skills Trainers

Scan to browse Men's Health Skills Trainers



Advanced ZACK™ S230.200

Multipurpose Men's Healthcare Task Trainer

The Advanced ZACK Multipurpose Men's Healthcare Task Trainer is a full-sized, lifelike lower torso designed to help students and professionals learn and practice various men's health clinical procedures. The S230.200 has features that facilitate the hands-on acquisition of intimate clinical examination skills, including catheterization, testicular and prostate examination, vasectomy, and colonoscopy.



Urinary catheterization

Practice safe, aseptic insertion and removal of a catheter.



Prostate examination

Learn vital rectal examination and palpation skills needed to distinguish between the "feel" of a normal prostate, benign conditions, and various grades of prostatic malignancies.



Diagnose various prostate pathologies

The internal push-button mechanism allows you to rotate through and position four different prostate inserts (enlarged benign mass, two discreet nodules, a large mass, and malignant invasive cancer) during digital rectal examination training.



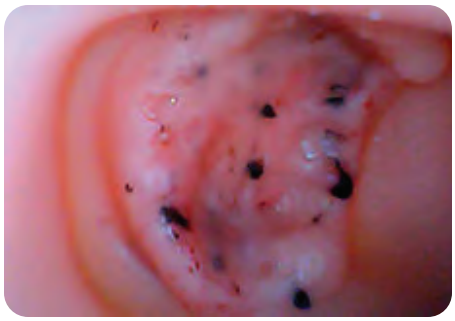
No-scalpel vasectomy

Replaceable scrotal skin and vas deferens tubing allow for the repeated practice of vasectomy procedures using real surgical equipment.



Testicular examination

Realistic testes allow participants to develop palpation skills needed for intimate examination procedures.



Colonoscopy

Use a real endoscope to identify benign and malignant masses in the rectum and colon; practice biopsy and polyp removal with non-electrocautery devices.

Features

- Adult male lower torso with lifelike feel and appearance
- Three available skin tones
- Colon with nine different masses
  - » One melanoma
  - » Two ulcerative adenocarcinomas
  - » One adenomatous polyp
  - » Two sessile adenocarcinomas
  - » One advanced polypoid adenoma
  - » One pedunculated adenomatous polyp
  - » One pedunculated polyp
- Four easily detachable testes (two normal and two abnormal) with distinct masses that can be identified during palpation
- Four prostate inserts to help develop haptic skills required during intimate examinations
- Enlarged benign mass
- Two discreet nodules
- Large mass
- Malignant invasive cancer
- Easily replaceable vas deferens tubing allows for the repeated practice of vasectomy procedures
- Male genitalia with a patent urethra and rectum
- Removable lid for easy assembly and disassembly and access to the internal hardware
- Urinary bladder

Advanced ZACK™ S230.200 Multipurpose Men's Healthcare Task Trainer

S230.200.PK

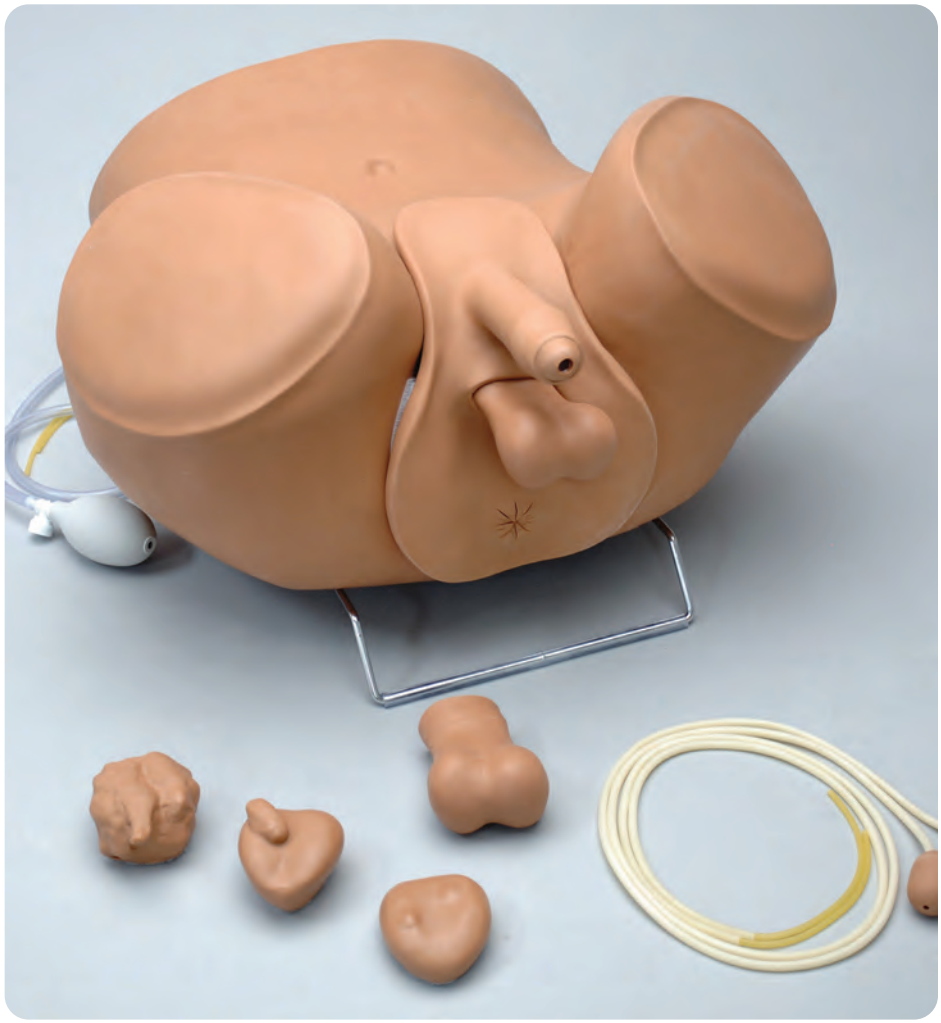
- Advanced ZACK S230.200
- Scrotum
- Normal testes
- Rotational prostate assembly
- Vas deferens reel
- Cancerous testis 1
- Cancerous testis 2
- Fill and drain kit
- Accessories
- User guide

ZACK™ Multipurpose Male Care Simulator

S230.11.PK

Features

- Full-size male lower torso
- Internal bladder for catheterization
- Four interchangeable prostates depicting moderately enlarged benign prostate, prostate with two discreet nodules, prostate with easily palpable large mass, prostate with invasive malignant cancer
- Penis and two scrotal sacks - one scrotal sack is normal, and the other contains tumors in each testicle
- No-Scalpel Vasectomy kit containing two removable scrotal skins, two testicles, and two long vas deferens assemblies that can be replaced as needed for NSV training
- Rectum and colon containing benign and malignant masses easily visualized using an appropriate endoscope
- User guide
- Soft carrying bag





Internal bladder permits catheterization exercises



Locate nine tumors using an endoscope



Perform digital examination using four interchangeable prostates



Check for testicular lumps



Conduct testicular self-examination



Observe typical colon tumors

Prostate Exam Skills Trainer

S230.3.PK



Features

- Four interchangeable modules depicting moderately enlarged benign prostate, a prostate with two discreet nodules, a prostate with an easily palpable large mass, and a prostate with invasive malignant cancer
- Prostates individually mounted on clear plastic cards for easy placement and removal
- Soft carrying bag

Male Condom Model

S517.PK

An excellent model for demonstrating and training condom use. The model is manufactured in soft, flexible vinyl tissue depicting an erect penis and mounted on a smoked Lucite stand. Supplied with user guide.



No-Scalpel Vasectomy (NSV) Model

S518.PK

A compact simulator developed to assist students in mastering a new method of vas occlusion. To enhance the realism of training, the leg stumps on our simulator are designed to mimic real-life patient positioning, giving students a more accurate training experience.

- Two removable scrotal skins
- Two testicles
- Two long vas deferens assemblies that can be replaced as needed for NSV training

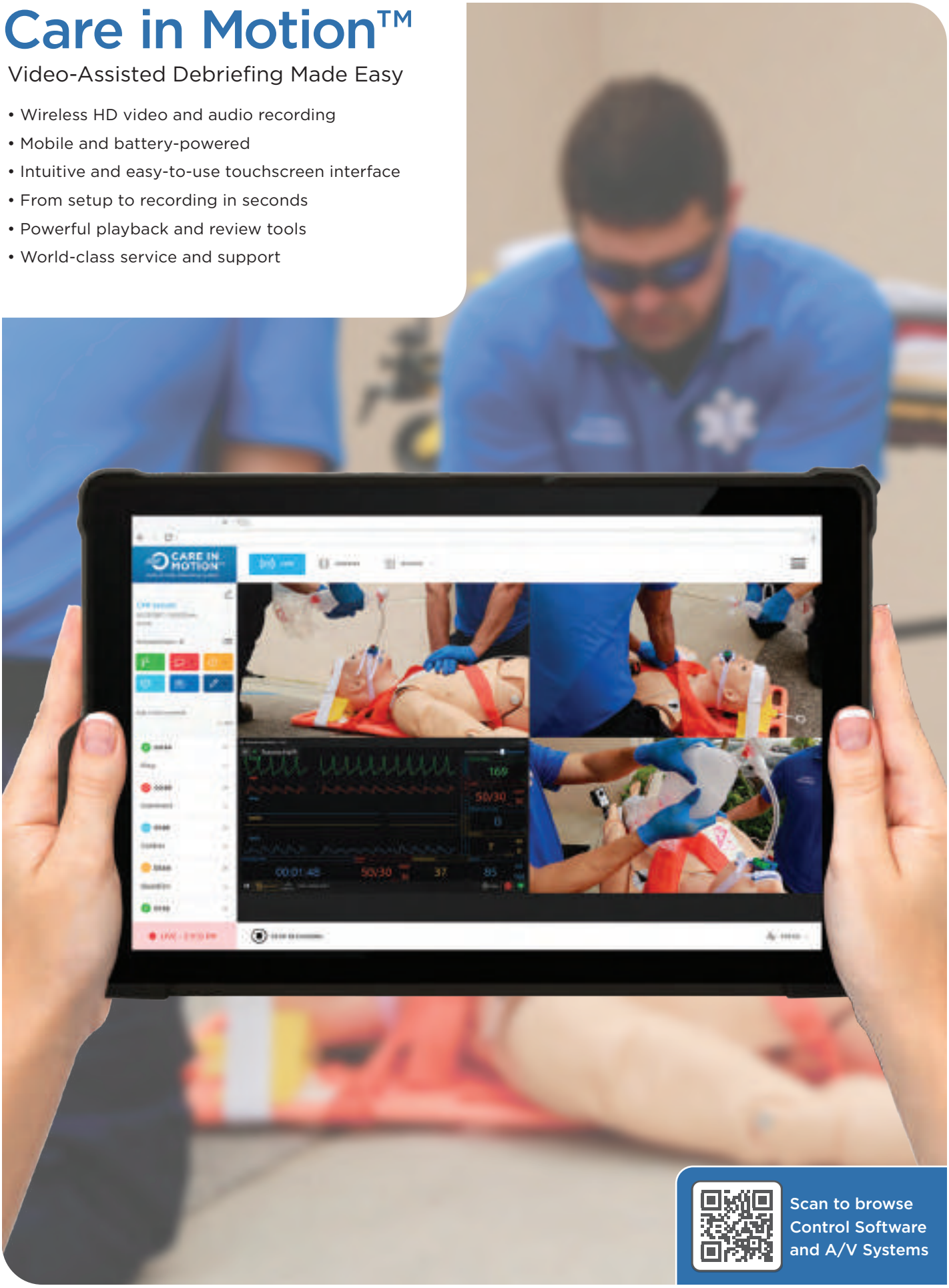


Scan to browse Men's Health Skills Trainers

Care in Motion™

Video-Assisted Debriefing Made Easy

- Wireless HD video and audio recording
- Mobile and battery-powered
- Intuitive and easy-to-use touchscreen interface
- From setup to recording in seconds
- Powerful playback and review tools
- World-class service and support



Scan to browse Control Software and A/V Systems

Care in Motion™
Video-assisted debriefing made easy

Care in Motion is an innovative video recording and playback platform designed to maximize learning through video-assisted debriefing. Developed with a focus on usability, functionality, and reliability, Care In Motion finally makes recording and debriefing simple so you can focus on what's important— achieving better outcomes.



Quick and easy setup
Say "goodbye" to frustration. Care in Motion is preconfigured and ready for use right out of the box—just power on, and it is ready. The touch-enabled interface makes navigation and operation fast and familiar.

Wireless audio and video recording
Care in Motion is optimized for recording wireless audio and video from multiple sources simultaneously, whether in-situ or in transit, without interruption. Meanwhile, high-quality capture ensures you never miss a learning opportunity.

Playback and debrief
Playback sessions right on the device or remotely through secure access. Easily browse and replay key learning opportunities for exploration, discussion, and reflection.

Seamless scenario integration and smart data capture

Seamless UNI® and Care in Motion integration automatically captures and synchronizes Gaumard patient vitals and sensor data with video in real time. What's more, smart data management easily captures and flags key events, allowing you to stay focused on the scenario.



Wireless solutions optimized for your dynamic learning environment

Care in Motion includes everything you need to facilitate recording and playback in nearly any environment. The hardware is easy to use, wireless, and requires no previous technical know-how to operate. You get maximum flexibility without the costs associated with training and permanent infrastructure installation.



Go from setup to recording in seconds

Wireless connectivity lets you capture every angle without interruption from the point of injury through transport and beyond. Battery-powered components mean no power cables, no wires, and less hassle.

Versatile and scalable

Easily add more cameras anytime, including your own. Legacy support for a comprehensive selection of high-def cameras lets you make use of existing devices.

Service and Support

Get the service and support you need and when you need it. Gaumard offers free phone support and software updates for the life of the product.

Features

General
- Preconfigured and ready for use out of the box
- Intuitive, touch-optimized user interface
- Responsive web-based interface

Recording
- Record multiple high-definition video and audio streams simultaneously
- State-of-the-art video compression technology stores hundreds of hours of footage with virtually no loss in visual quality
- Add quick notes (flags) during a live recording with a single touch
- Legacy support for high-definition cameras[1]
- Capture Gaumard Vital Signs Monitor video feed in real-time[2]
- Customizable user account control
- Start/stop recording from UNI®
- Smart data capture automatically parses log event information for reviewing
- Preconfigured with wireless encryption to keep video feeds secure
- Automatic synchronization of UNI event log data with video capture
- Event flags can be customized to your debriefing style
- Supports wireless capture via mobile phones and tablets via IP camera software[3]

Playback and Review
- Session recordings are available for playback immediately
- Isolate audio channels as needed
- Review session video directly on the device or remotely via web interface
- Easily jump to key events in the recording by clicking the time-stamped event entry
- Export session video with annotations for storage and/or playback on other devices.
- Physiological data timeline
- Search debriefing session library by session name, simulator type, room, date, and more
- Session files are stored securely via user account access control
- Supports video output to large-screen TVs and projectors

1. Not all third-party cameras are supported. Contact Gaumard for an up-to-date list of compatible camera models. Compatible camera models are subject to change. 2. Gaumard Vitals™ virtual patient monitor required; item is sold separately. 3. Contact Gaumard for an up-to-date list of compatible IP camera software.

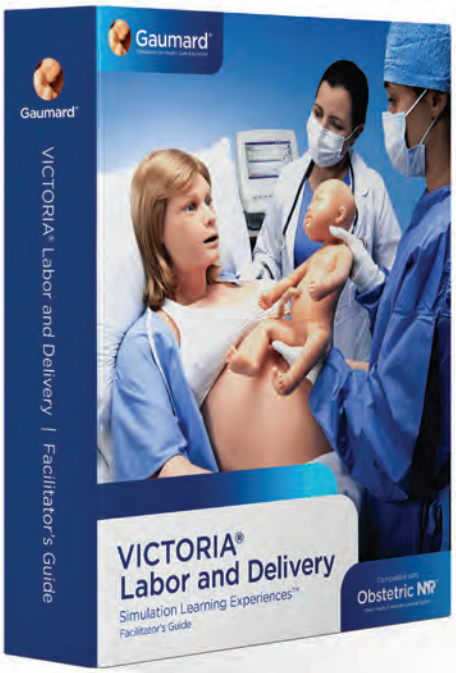


Care in Motion™ Mobile Video-Assisted Debriefing System

CIM.PK

- Care in Motion Tablet PC
- Three (3) battery-powered HD wireless cameras
- Three (3) adjustable camera grips
- Transport case
- One-Year Limited Warranty
- User guide

Scan to browse Control Software and A/V Systems





Simulation Learning Experiences™ Scenario Packages

The Simulated Learning Experiences (SLE) scenario packages provide you with a library of ready-to-use, evidence-based scenarios and support content designed to help you maximize training and learning.

Scenario Content Mapped to Your Educational Objectives

Select from a library of packages mapped to the NCLEX-RN©, the BSN Essentials, QSEN, and IPEC competencies. Each package has been developed to assist learners in successfully transferring their knowledge and skills to future clinical situations.

Preprogrammed UNI® 3 Scenarios

SLE scenario packages include UNI® 3 scenario programming, which automatically manages the patient's symptoms, vitals, and responses. UNI® 3 preprogrammed scenarios help reduce the operator's workload, increase realism, and standardize your simulation events.

- Physiologically accurate: symptoms, vitals, and responses validated through evidence-based clinical research
- Smart automation: automated responses to select provider actions. Play, pause, or restart at any time
- Monitor and track: log participants' actions via built-in event tracker
- Flexible: easily adjust vital signs on-the-fly when needed
- Repeatable: consistent presentations allow for standardized assessment across groups of participants

Strategic Guide for Facilitating Learning

The SLE Facilitator's Guide provides you content designed to help you plan, set up, and facilitate the SLEs so you can incorporate HAL® quickly and easily into your education program.

Each SLE includes the following sections:

- Purpose of the SLE
- Evidence-based Rationale
- Learning Objectives
- Competencies Addressed
- Recommended Psychomotor Skills
- Suggested Supplies for the Scenario
- Pre-briefing Report
- Relevant Patient History
- List of Expected Participant Actions
- Scenario Flowchart

VICTORIA® Labor and Delivery Simulation Learning Experiences™ Scenario Package

30080745A

Labor and Delivery SLE scenario package for VICTORIA® S2200. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI SLE profile activation code. (9) Preprogrammed UNI SLE scenarios.



1. Amniotic Fluid Embolism
2. Breech Vaginal Delivery
3. Magnesium Toxicity
4. Normal Vaginal Delivery
5. Placental Abruption
6. Postpartum Hemorrhage
7. Preeclampsia
8. Prolapsed Cord
9. Shoulder Dystocia

TORY® Neonatal Care Simulation Learning Experiences™ Scenario Package

30080747A

Neonatal Care SLE scenario package for TORY S2210 and Newborn HAL® S3010 patient simulators. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI SLE profile activation code. (8) Preprogrammed UNI SLE scenarios.



1. Acute Respiratory Distress Syndrome
2. Bronchopulmonary Dysplasia and Pulmonary Hypertension
3. Drug-Exposed Infant/Neonatal Abstinence Syndrome
4. Early-Onset Sepsis
5. Late-Onset Sepsis
6. Nuchal Cord
7. Pneumonia
8. Shoulder Dystocia

NOELLE® Labor and Delivery Simulation Learning Experiences™ Scenario Package

30080748A

NOELLE Labor and Delivery SLE scenario package for NOELLE S575.100, S574.100, S576.100, and S554.100 patient simulators. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI SLE profile activation code. (9) Preprogrammed UNI SLE scenarios.



1. Amniotic Fluid Embolism
2. Breech Vaginal Delivery
3. Magnesium Toxicity
4. Normal Vaginal Delivery
5. Placental Abruption
6. Postpartum Hemorrhage
7. Preeclampsia
8. Prolapsed Cord
9. Shoulder Dystocia

Premie HAL® Simulation Learning Experiences™ Scenario Package

30080751A

Premie HAL SLE scenario package for Premie HAL S2209 and Premie HAL S3009 patient simulators. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI SLE profile activation code. (5) Preprogrammed UNI SLE scenarios.



1. CPAP and OG Tube Placement
2. Premie Early-Onset Sepsis
3. Premie Resuscitation
4. Respiratory Distress Syndrome
5. Umbilical Catheterization

Scan to browse Learning Modules

HAL® Simulation Learning Experiences™ Scenario Package

30080750A

Simulation Learning Experiences scenario package for HAL S3201, HAL S3000, and HAL S1000 patient simulators. Package includes: (1) SLE Facilitator's Guide (Print book). (1) Non-transferable UNI® SLE profile activation code. (10) Preprogrammed UNI® SLE scenarios.



1. Acute Anterolateral Myocardial Infarction
2. Acute Sepsis Related to Diabetic Ulcer
3. Atrial Fibrillation
4. COPD Exacerbation
5. Diabetic Ketoacidosis
6. Opioid Overdose
7. Pulmonary Embolism
8. Sepsis Related to Pneumonia
9. Severe Sepsis
10. Supraventricular Tachycardia

Pediatric HAL® S3005 Simulation Learning Experiences™ Scenario Package

30080755A

Simulation Learning Experiences scenario package for Pediatric HAL S3005. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI® SLE profile activation code. (10) Preprogrammed UNI® SLE scenarios.



1. Acute Lymphocytic Leukemia
2. Appendicitis
3. Post-Op Cardiac Transplant
4. Potential Organophosphate Poisoning
5. Respiratory Syncytial Virus (RSV)
6. Sepsis in a Six-Year-Old
7. Seizure Management
8. Status Asthmaticus
9. Trauma Related to Child Abuse
10. Five-Year-Old with Trauma

Trauma HAL® Simulation Learning Experiences™ Scenario Package

30080749A

Simulation Learning Experiences scenario package for Trauma HAL S3040.100 and Trauma HAL S3040.50 patient simulators. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI® SLE profile activation code. (10) Preprogrammed UNI® SLE scenarios.



1. Airway Trauma Secondary to an IED Detonation
2. Acute Respiratory Distress Syndrome Secondary to Motor Vehicle Crash
3. Blast Injury in a Civilian Setting
4. Potential Concussion or Hypovolemia
5. Fall-Related Injuries
6. Gunshot Wound To The Chest
7. Gunshot Wound To The Leg
8. Traumatic Limb Amputation Secondary to Motorcycle Crash
9. Traumatic Limb Amputation And Possible Traumatic Brain Injury
10. Traumatic Multiple Limb Amputations with Possible Traumatic Brain Injury

Pediatric HAL® S3004 Simulation Learning Experiences™ Scenario Package

30080756A

Simulation Learning Experiences scenario package for Pediatric HAL S3004. Package includes: (1) SLE Facilitator's Guide (Printed book). (1) Non-transferable UNI® SLE profile activation code. (10) preprogrammed UNI® SLE scenarios.



1. Appendicitis
2. Acute Lymphocytic Leukemia
3. Organophosphate Poisoning
4. Post-Op Cardiac Transplant
5. Respiratory Syncytial Virus (RSV)
6. Seizure Management
7. Sepsis
8. Status Asthmaticus
9. Trauma
10. Trauma Related To Child Abuse

Pediatric HAL® S2225 Simulation Learning Experiences™ Facilitator's Guide

11120146C

Simulation Learning Experiences Facilitator's Guide for Pediatric HAL S2225. Print book only.



1. Acute Lymphocytic Leukemia
2. Appendicitis
3. Post-Op Cardiac Transplant
4. Potential Organophosphate Poisoning
5. Respiratory Syncytial Virus (RSV)
6. Sepsis in a Six-Year-Old
7. Seizure Management
8. Status Asthmaticus
9. Trauma Related to Child Abuse
10. Four-Year-Old With Trauma

SUSIE® S1001/S901 Nursing Simulation Learning Experiences™ Facilitator's Guide

11120150D

Simulation Learning Experiences Facilitator's Guide for SUSIE S1001 and SUSIE S901 SLE scenarios. Print book only.



1. Acute Myocardial Infarction
2. Acute Respiratory Distress Syndrome Secondary to Motor Vehicle Crash
3. Asthma Attack
4. Chronic Obstructive Pulmonary Disease Exacerbation
5. Fluid and Electrolyte Imbalance
6. Heart Failure
7. Hypoglycemia
8. New-Onset Diabetes
9. Pneumonia
10. Sepsis

Super TORY® Simulation Learning Experiences™ Facilitator's Guide

11120156C

Simulation Learning Experiences Facilitator's Guide for Super TORY® S2220. Print book only.



1. Acute Respiratory Distress Syndrome
2. Bronchopulmonary Dysplasia With Pulmonary Hypertension
3. Diaphragmatic Hernia
4. Drug-Exposed Infant/Neonatal Abstinence Syndrome
5. Early-Onset Sepsis
6. Hyperbilirubinemia
7. Late-Onset Sepsis
8. Nuchal Cord
9. Pneumonia
10. Shoulder Dystocia

SUSIE® S2000 Nursing Simulation Learning Experiences™ Facilitator's Guide

11120151D

Simulation Learning Experiences Facilitator's Guide for SUSIE S2000. Print book only.



1. Acetaminophen Overdose/Liver Failure
2. Acute Myocardial Infarction – Level 2
3. Acute Respiratory Distress Syndrome Secondary to MVC – Level 2
4. Chronic Obstructive Pulmonary Disease Exacerbation – Level 2
5. Diabetic Ketoacidosis
6. Fluid and Electrolyte Imbalance – Level 2
7. Heart Failure – Level 2
8. Pneumonia – Level 2
9. Potential Cervical Carcinoma
10. Sepsis – Level 2

Scan to browse Learning Modules

OMNI® 2

Simulation Made Easy®

- Wireless mobility
- Lightweight touchscreen interface
- On-the-fly physiological controls
- Real-time CPR feedback and reporting
- Virtual patient monitor support
- Compatible with 40+ Gaumard patient simulators and skills trainers



Scan to browse Control Software and A/V Systems



OMNI® 2
Simulation Made Easy®

The new OMNI 2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

Simple, intuitive, & wireless

With just a few taps, the all-new OMNI 2 makes it easier than ever to manage vitals, monitor performance, and capture event data for debriefing. Now featuring wireless communication, so you are free to move in and around the exercise to get the best view of the action.

Wireless control



- Touch controls facilitate on-the-fly changes or trend over time
- Over 35 programmable vitals: HR, ECG, RR, BP, SpO_2, $EtCO_2$, and more

Real-time feedback



- Monitor CPR quality metrics in real-time
- Interactive checklists let you easily track provider actions during the exercise

Smart debriefing



- Event log records actions, changes in vital signs, and notes support debriefing
- Save and share session log for archiving and debriefing

Backward compatibility

Upgrade your OMNI 1 patient simulator or skills trainer to the new OMNI 2 system and benefit from a host of new features, including wireless connectivity, touchscreen interface, and virtual patient monitor support.



Virtual patient monitor support

The new Gaumard virtual patient monitor for OMNI 2 looks and functions like a real device. It offers continuous, real-time patient data to help develop critical thinking and decision-making skills.

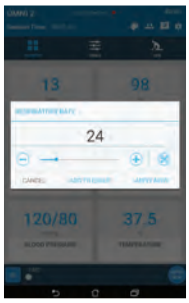




Ready for training
Just tap and go

OMNI® 2 is compatible with over 40 Gaumard® patient simulators and skills trainers. Starting a session is fast and easy. Once paired, OMNI® 2 automatically detects your simulator's features to show you just the tools you need. Say "hello" to versatility.

Nursing skills



On-The-Fly Controls
Update any of 35+ vitals with just a few taps



BP Skills Trainer
Monitor readings and correct technique in real-time

Neonatal resuscitation



Resp. Distress Management
Monitor ventilation quality and its effects on cyanosis



Algorithm Checklists
Easily track provider actions and exercise objectives

Labor & delivery



Automatic Delivery Controls
Manage fetal descent, dystocia, TOCO trace speed



Fetal Monitor Compatibility
Simulate trace patterns of maternal and fetal distress

CPR skills training



Real-Time CPR Feedback
Spot and correct errors in technique and measure quality



Performance Reports
Identify and improve weak areas; save, email, and print

Features

General
- Wireless connectivity up to 30 feet
- Lightweight tablet form factor
- High-definition touchscreen display
- Virtual patient monitor wireless link
- Virtual fetal monitor wireless link
- Compatible with OMNI® 1 devices*
- Protective case included
- OMNI® simple-connect wireless setup
- Up to 4hr battery life
- Built-in walkthrough tutorial

Physiological controls*
- Control 35+ vital sign parameters including HR, ECG, RR, BP, O_2SAT, $EtCO_2$, and more*
- Update vital sign values on-the-fly
- Trend vital sign value increases or decreases over time
- Update group of vital sign values with one touch
- Comprehensive ECG library with 25+ preprogrammed rhythms
- BP Skills trainer mode
  - » Virtual pressure gauge view
  - » Programmable auscultatory gap
- Pulse strength dependent on blood pressure

Labor and delivery
- One-touch automatic delivery controls: play, pause, resume, and reset
- Customizable fetal descent speed
- Shoulder dystocia: automatic retraction of the fetal head
- Illustrate turtle signs on-the-fly
- On-screen view of the fetus descending and retracting during shoulder dystocia
- Dystocia causes fetal distress visible on virtual fetal monitor
- Programmable FHR baseline, variability, accel/decels, contraction frequency, duration, intensity, and resting tone*
- Other: Coupling, variability, spontaneous charges

Neonatal resuscitation trainer
- Real-time ventilation feedback
- Respiratory distress modeling
- Ventilation effectiveness override controls
- Programmable peripheral and central cyanosis

CPR trainer
- Real-time CPR quality and effectiveness monitoring
  - » Compression depth and rate
  - » Excessive ventilation
  - » No-flow time
  - » CPR cycles
- Audible CPR rate metronome
- Virtual defibrillation and pacing controls
- Participant CPR performance reports include metrics for individual CPR skills
- CPR report manager: save, share, and print CPR reports
- Preprogrammed CPR algorithms included
- Compliant with 2015 Resuscitation Guidelines

Event log
- Time-stamped provider actions, vital signs, CPR, and instructor comments
- Event tracking for individual and team actions
- Provider action profiles
- Customizable event flags
- Filter session log by preset events
- Save, email, and print session event logs

*Available OMNI® 2 features are dependent on simulator's hardware configuration.

OMNI® 2

OMNI-2

Stand-alone OMNI 2 system for "OMNI 2 Ready" patient simulators and skills trainers.

Package contents
- Touchscreen tablet
- OMNI 2 Software license
- USB cable
- Protective case
- Quick start guide

OMNI® 2 Upgrade

OMNI2.U

The OMNI 2 Upgrade Package includes everything you need to upgrade your OMNI 1 simulators to the new wireless OMNI 2.

Package contents
- Touchscreen tablet
- OMNI 2 Software license
- OMNI Wireless Link adapter
- Protective case
- Quick start guide



Accessories

OMNI® Link Wireless Adapter

OMNI2.LNK

OMNI 2 Wireless adapter for OMNI 1 simulators.

Bedside Virtual Patient Monitor

30080154B

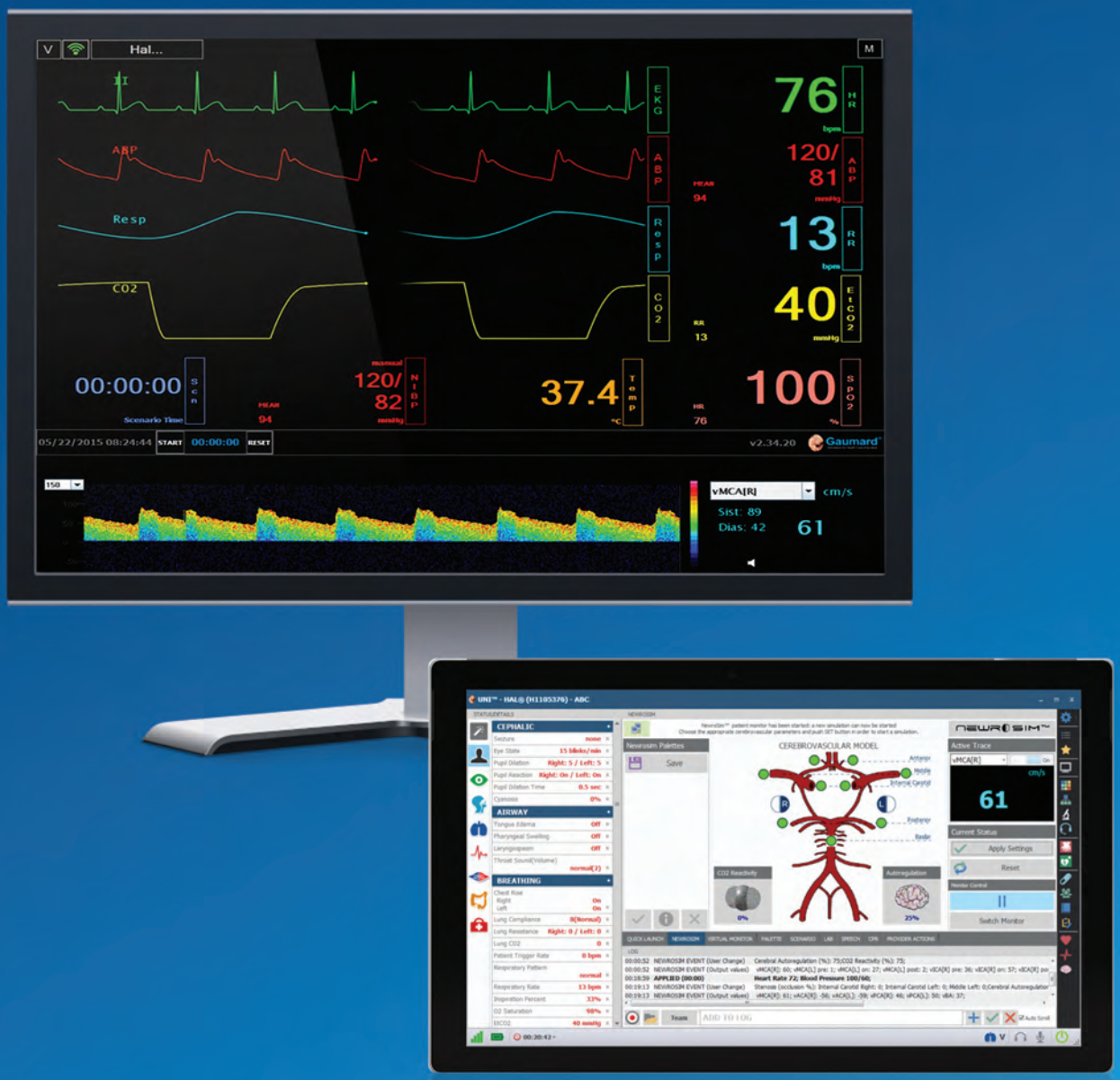
All-in-one touchscreen PC preloaded with Gaumard Vitals patient software.

Mobile Virtual Patient Monitor

30081003B

Touchscreen tablet PC preloaded with Gaumard Vitals patient software.

Scan to browse Control Software and A/V Systems



NewroSim™

Traumatic Brain Injury & Stroke Care Training Solution

- 10 Preprogrammed TBI and Stroke Scenarios
- NewroSim™ Scenario Guidebook
- Powerful computer-based hemodynamic model
- Interactive transcranial Doppler waveform
- Model-generated intracranial pressure readings

Scan to browse Control Software and A/V Systems

The NewroSim™ scenario library includes high and low-frequency traumatic brain injury and stroke clinical cases. Every scenario is designed to facilitate the training of students and professionals with the psychomotor, cognitive, and teamwork skills needed to effectively manage and treat patients throughout the stages of care.

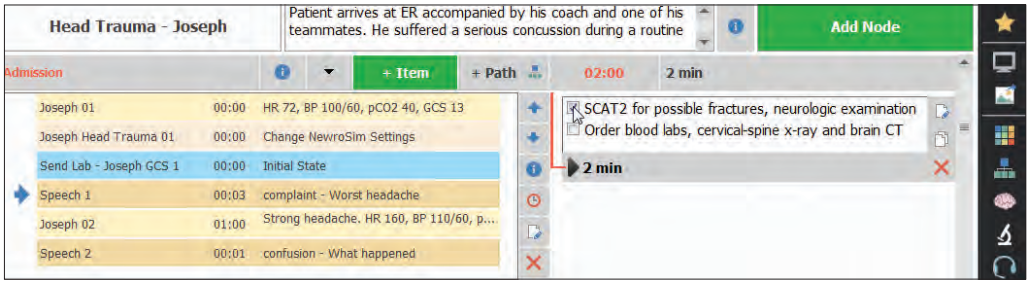
Comprehensive
Includes scenarios for first responders, ED teams, neuro-unit care intensivists, as well as other generalists and specialists.

Objective-based
Benefit from measurable goals so you can track progress and improvement over time.

Ready-to-use
NewroSim includes all the scenario medical references, mock labs, and assets needed for each case, thus eliminating costly development time.

Expandable
Scenarios are editable, so you can expand the scope of training by creating new exercises to meet your institution's needs.

10 preprogrammed scenarios
1. Diabetes and Stroke
2. Artery Stenosis
3. Thrombolytic Therapy Reaction
4. Stroke
5. Cerebral Artery Thrombosis
6. Head Trauma
7. Hypotension
8. Hypercapnia
9. Cerebral Autoregulation
10. Cerebral Autoregulation II



NewroSim scenarios feature timed objectives, vital sign changes, speech responses, and assets such as labs and CT scans. To run a scenario, simply checkmark the key events to progress the case.

Scenario training guidebook
NewroSim includes a companion training guidebook with supplemental materials for every scenario. The guidebook makes it easy to plan and run scenarios and debrief learning objectives.

- Case overview
- Patient history
- Neurologic exam results
- Simulation parameters
- Expected actions
- Learning objectives
- Supporting literature references
- Mock CT scans and lab results




Head trauma scenario at point of injury


Pupil reactivity during neuro assessment


Sports concussion assessment


NEWROSIM™
CEREBROVASCULAR MODEL
Active Trace
61
Monitor Control
Trace State:
Off
Apply Settings
Reset

The NewroSim™ model integrated into the UNI® software simulates the hemodynamics of the intracranial cerebral vessels and its effects, as seen on the ICP and TCD readings



UNI NewroSim Control Panel

Integrated

NewroSim is built right into UNI, allowing you (the operator) to manage the scenario from one interface.

Easy-to-use

You do not have to be a specialist to operate NewroSim. The scenarios and NewroSim model automate physiological changes while the corresponding vitals are shown on the TCD monitor in real-time. Now you can simulate conditions and interactions with a high degree of fidelity with minimal manual input.

Powerful

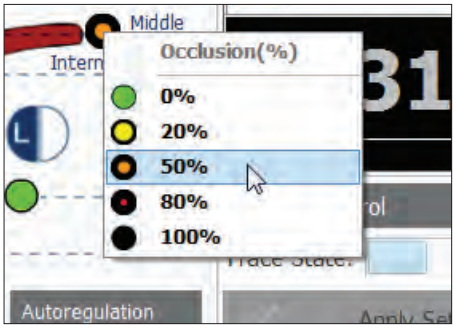
The NewroSim model simulates the hemodynamics of the intracranial cerebral vessels, even calculating interhemispheric compensation.

Programmable

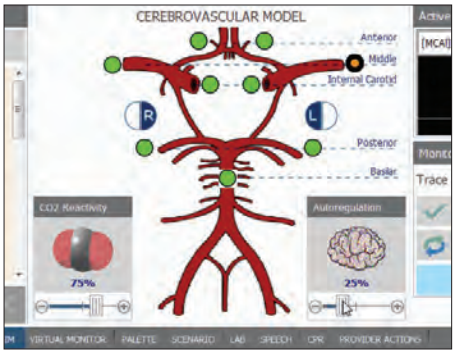
Using the manual controls, you can easily override the cardiovascular parameters and simulate on the fly.

Multimodal

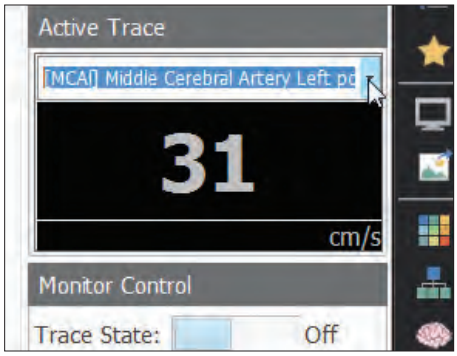
The NewroSim model can be used as a standalone tool to teach learners the relationship between the hemodynamics of the brain and how they appear on a TCD waveform.



- Manually create stenosis and/or occlusions on the cerebrovascular blood vessels
- Occlusion points can be anterior/ posterior and on the left or right side



- Change CO_2 reactivity of the brain's chemoreceptors
- Adjust the autoregulation of the brain



- Monitor vessel status and perfusion directly from the control screen

Scan to browse Control Software and A/V Systems

*Gaumard Virtual Patient Monitor sold separately

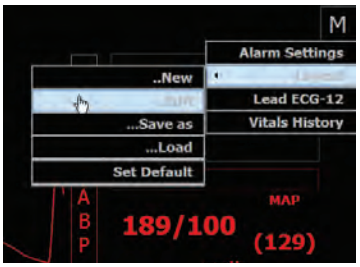
NewroSim™ adds simulated patient vital signs designed to provide participants with the critical physiological information needed to aid decision-making

- Transcranial Doppler (TCD) waveform and numeric values
- Intracranial Pressure (ICP) readings
- Respiratory and cardiac monitoring

Integrate the NewroSim Monitor to train participants in the following skills:

- Monitoring brain vessel status and perfusion
- Monitoring the effects of rescue intra-arterial thrombolysis
- Monitoring vessel recanalization during treatment
- Identifying and monitoring aneurysms and malformations at the brain artery level
- Assess the effectiveness of the sonothrombolysis

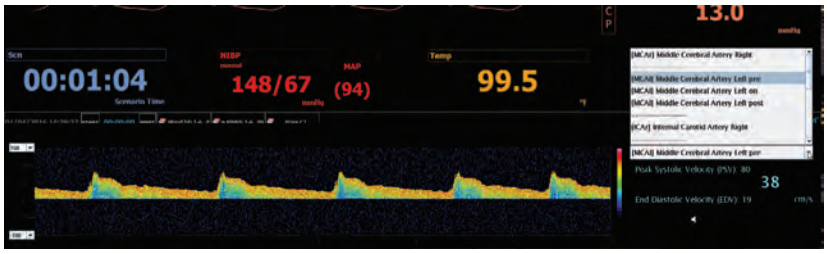
Customize the patient monitor to mimic your native monitor screen.



- Display up to 12 numeric values, including HR, ABP, CVP, PAWP, NIBP, CCO, SpO_2, SvO_2, RR, $EtCO_2$, temperature, and time
- Select up to 12 dynamic waveforms, including PAWP, pulse, CCO, SvO_2, respiration, and capnography.

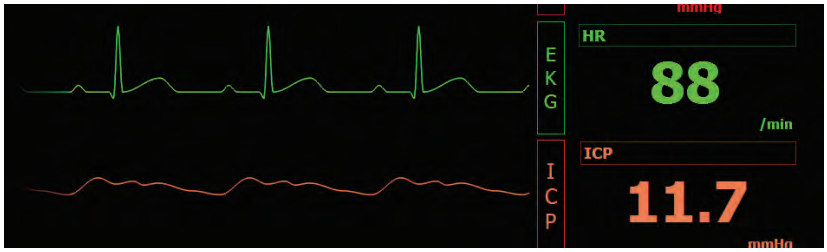


NewroSim Patient Vitals shown on optional Gaumard® Vitals Patient Monitor



Transcranial Doppler Waveform and Vessel Selection Screen

The interactive transcranial Doppler allows participants to select between the cerebral arteries to monitor blood flow velocity.



NewroSim Intracranial Pressure Reading & Waveform

The NewroSim mathematical model generates intracranial pressure (ICP) readings. The model automatically calculates changes in cardiovascular variables and reactions to medications administered to simulate real-time readings with the highest degree of fidelity.



NewroSim™

Model#.601

NewroSim license compatible with HAL® models S5301, S3201, S3040.100, S3040.50, S3000, and S1000.

Package contents

- NewroSim Hemodynamic Model
- 10 Preprogrammed Scenarios
- NewroSim Training Guide
- UNI® NewroSim License

Optional Gaumard Vitals™ patient monitor

- Customizable layout can mimic the look of standard patient monitors.
- Customize each trace independently. Users can set alarms and time scales.
- Display up to 12 numeric values, including HR, ABP, CVP, PAWP, NIBP, CCO, SpO_2, SvO_2, RR, $EtCO_2$, temperature, and time.
- Select up to 12 dynamic waveforms, including ECG Lead I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6, AVP, CVP, PAWP, pulse, CCO, SvO_2, respiration, and capnography.
- Share images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses.
- Compatible with NewroSim for HAL® models S5301, S3201, S3040.100, S3040.50, S3000, and S1000.



Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Gaumard Vitals™ Portable Virtual Monitor

30081003B

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

Scan to browse Control Software and A/V Systems

LungSim™

Mechanical ventilator simulation made simple



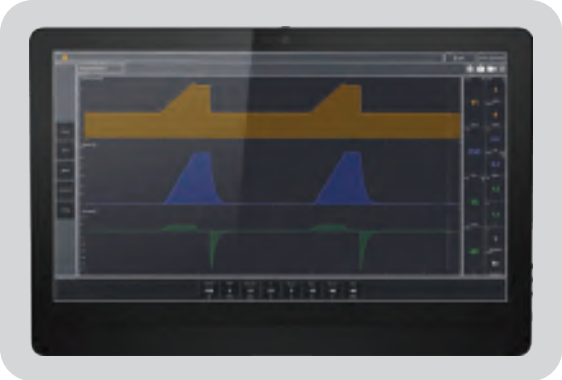
Scan to browse Control Software and A/V Systems

LungSim™ is a powerful, model-driven virtual mechanical ventilator simulator designed to provide simulation programs with a truly multimodal and cost-effective ventilator training solution

Go beyond training the basics of ventilator settings and modes. LungSim integrates with Gaumard patient simulators and accessories to create immersive, patient-based respiratory training scenarios at a fraction of the cost of other hardware-based ventilator simulators in the market today. Gaumard has partnered with Accurate Inc. to bring LungSim to over 15 Gaumard models, including adult, pediatric, and neonate patient simulators.

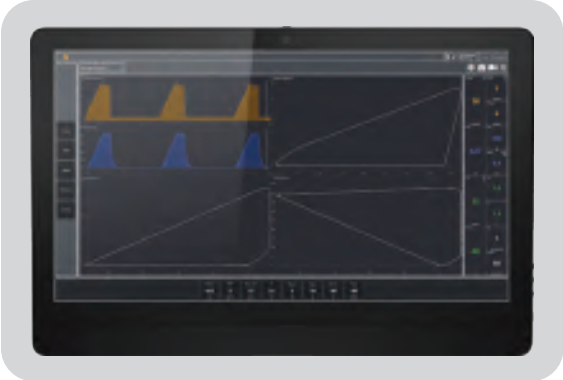
True-to-life interface, industry-standard modes and settings, and limitless learning opportunities

LungSim simulates the standard functions of today's modern mechanical ventilators, allowing learners to practice ventilator operation and patient management safely and effectively.



Real-time graphical monitoring & interactive and customizable touchscreen interface

Practice data analysis, interpretation, and documentation. High-fidelity waveform, loop, and scalar data updates in real-time based on the patient's condition, just like a real ventilator.



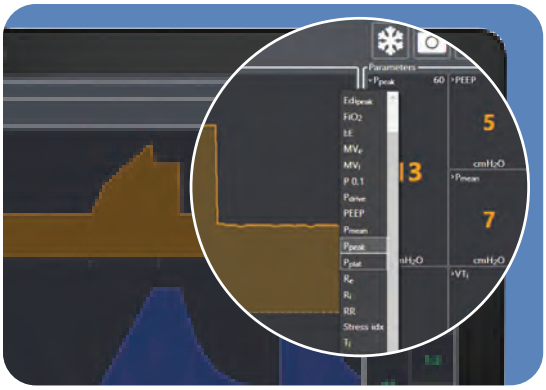
Standard modes of ventilation

Select from industry-standard modes of ventilation, including volume and pressure control, and more.



Customizable settings, alarms, & parameters

From setting alarms to choosing specific scalar parameters, LungSim allows learners to practice configuring ventilator settings as needed.



Adult, pediatric, and neonate ventilation

LungSim makes it easy to facilitate respiratory care training exercises across a broad range of age groups using just one device. Select from adult, pediatric, and neonate ventilation presets.

Screen video recording and session reports

Export comprehensive session data reports for debriefing and assessments. Easily capture screenshots and record video clips to review or for teaching demonstrations.

UNI® integration and model-driven lung physiology for immersive scenario exercises

LungSim integrates with your Gaumard patient simulator, UNI control software, and Gaumard Vitals monitor to bring the full clinical training experience to life. Simulate realistic patient-ventilator interaction through realistic scenarios that help learners develop clinical assessment, diagnosis, and treatment skills.

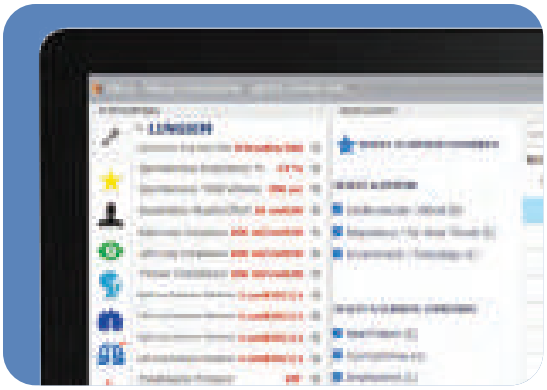


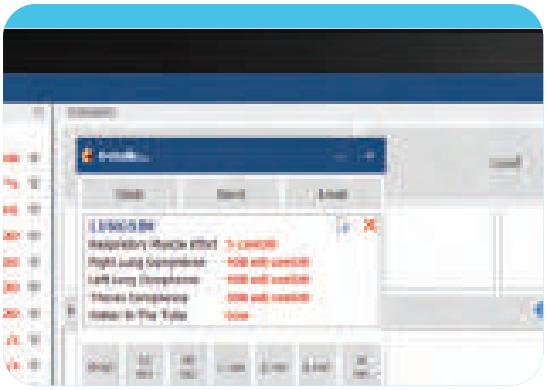
Model-driven physiological parameters

LungSim adds model-driven lung physiological parameters to UNI, enabling you to simulate countless respiratory conditions and diseases. The integrated LungSim model accurately simulates true-to-life lung physiology, ventilator response, and feedback.

Seamless integration of LungSim parameters

Whether you drive simulations on the fly or program scenarios, UNI-LungSim integration ensures your workflow remains sane, intuitive, and simple. Easily add LungSim physiological parameters to new or existing UNI scenarios.





Event logging, real-time feedback, and data exporting

UNI logs LungSim data along with patient vitals and participant actions. Export session reports to support debriefing sessions and archiving.

Available for all UNI-controlled patient simulators

Add respiratory care training across healthcare disciplines. LungSim is available for over 15 Gaumard patient simulators, including adult, pediatric, and neonate simulators.

Ideal for in-person training and remote teaching

LungSim is multipurpose and versatile, allowing you to transition from in-person simulation to remote teaching via most web conference applications. Use LungSim to transform clinical theory into dynamic and engaging content. Demonstrate patient-ventilator relationships, ventilator setup and settings, and much more.



Feature Highlights

- Realistic mechanical ventilator touchscreen interface
- Model-driven, real-time waveforms: pressure, volume, flow, volume-pressure loop, flow-pressure loop, flow-volume loop, and more
- Industry-standard ventilation settings: positive end-expiratory pressure, respiratory rate, and tidal volume, and more, high and low alarms, and more
- Model-driven, real-time scalar data: I:E ratio, peak pressure, respiratory rate, FiO_2, tidal volume
- Industry-standard modes of ventilation include pressure control, volume control, and pressure support
- Customizable graphical interface layout
- UNI integration; adjust lung parameters on-the-fly or program scenarios
- Model-driven lung physiological parameters: respiratory muscle effort, lung compliance, inspiratory resistance, inspiratory hold, thorax compliance, and more
- Export session data reports
- Video screen capture and export
- Adult, pediatric, and neonate patient ventilator presets

LungSim System, In-Hospital Mechanical Ventilator Simulator

30081242A

Package includes: Large touchscreen AIO PC preloaded with LungSim mechanical ventilator simulator software, (1) LungSim Patient License, user guide, and accessories.



LungSim System, Mobile Mechanical Ventilator Simulator

30081244A

Package includes: Tablet PC preloaded with LungSim mechanical ventilator simulator software, (1) LungSim Patient License, user guide, and accessories.



About Gaumard®

Gaumard has been committed to improving patient care and safety through healthcare education since its founding in 1946. Gaumard designs, develops, and manufactures products at its world headquarters in Miami, FL. Gaumard products are sold through direct sales in North America and through a network of 200 distributors in 70 countries. Gaumard is family owned and operated.

Limited Warranty

Products manufactured by Gaumard are covered by a 1-year or 2-year Limited Warranty. Service and warranty coverage vary by product and region. Additional terms and conditions apply. Please visit gaumard.com for details.

Support

Download product user guides and instructional videos at gaumard.com

support@gaumard.com
Worldwide +1.305.971.3790
Toll-Free USA & Canada 1.800.882.6655
Gaumard.com

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Gaumard®
Simulators for Health Care Education



Nasco HEALTHCARE

NASCO HEALTHCARE

Nasco CATALOG

HEALTHCARE










Be
READY

F52024

Be READY

Nasco Healthcare started from humble beginnings in 1941 with a single product. Today, we have **the largest range of medical simulation products in the world**, but our original mission remains true.

That mission is to prepare frontline healthcare workers, military medics and emergency/rescue personnel to **Be READY**. Ready to deliver optimal patient outcomes and save lives whenever and wherever they are called. Our vision is to create a world with better patient outcomes and fewer lives lost.

We want to do our part to ensure that our everyday heroes have the proper training to be at their best the moment they're called upon. This means offering manikins that realistically simulate clinical, emergency/rescue, and trauma scenarios. Whether it's neonatal care, CPR training, or a fireman drag, our products prepare our heroes for critical, in-the-moment decisions.

We're proud to stand behind products that are designed in the USA to ISO9001 and backed by an up to 5-year warranty.

We invite you to explore our catalog that's full of advanced simulation, emergency, rescue and nursing training solutions. We are committed to bringing you innovative products across all fidelity levels.

Nasco Healthcare wants to be your partner so you can **Be READY**.

Sincerely,

The Nasco Healthcare Team

Nasco
HEALTHCARE

ADVANCED SIMULATIONS

ALEX/AXEL ..... S-2 – S-4
PCS Spark S-5
SMART STAT ..... S-6 – S-9
SMART STAT BABY S-10
MVR Technologies S-11
Ultrasound Simulation ..... S-12 – S-13
Advanced Ultrasound Trainers ..... S-14 – S-17
LapAR™ ..... S-18 – S-19

Be READY



ALEX / AXEL



ALEX is a cloud-connected patient simulator that includes a 5-year software subscription, which becomes activated after purchase. Following the initial 5 years, ALEX's computerized functionality requires an annual paid software subscription.

AXEL is a cloud-connected patient simulator. Its computerized functionality requires a software subscription, which is included for the lifetime of the product.

I am the only patient simulator with speech recognition ability.

ALEX: I respond to clinical interview questions with answers related to my scenario.

AXEL: I have a manual microphone/ speaker so facilitator and student can speak to each other.

I am the first patient simulator with a built-in HD camera.

IrisCam™ streams low latency video from the right eye.

AXEL and ALEX Plus can record 1,000 hours of video.

ALEX Pro has unlimited recording.

I am cloud-connected and accessible from all your devices.

Goodbye instructor workstations & access licenses.

My vital sounds are crystal clear in any stethoscope.

Wireless SmartScope™ plays realistic sounds driven by under-skin location tags.

ALEX: I speak & understand English, French, and Spanish.

I am learning new languages all the time so I can help train more learners all around the globe.

I am affordable to help you make simulation ubiquitous.

Fully equipped including 5-year warranty (1-year for ALEX LITE) and all cloud services.

ALEX AXEL

IrisCam™ HD camera in the eye for patient point-of-view live streaming and debriefing.
ALEX Plus & AXEL: can record 1,000 hours of video.
ALEX Pro: Unlimited recording.

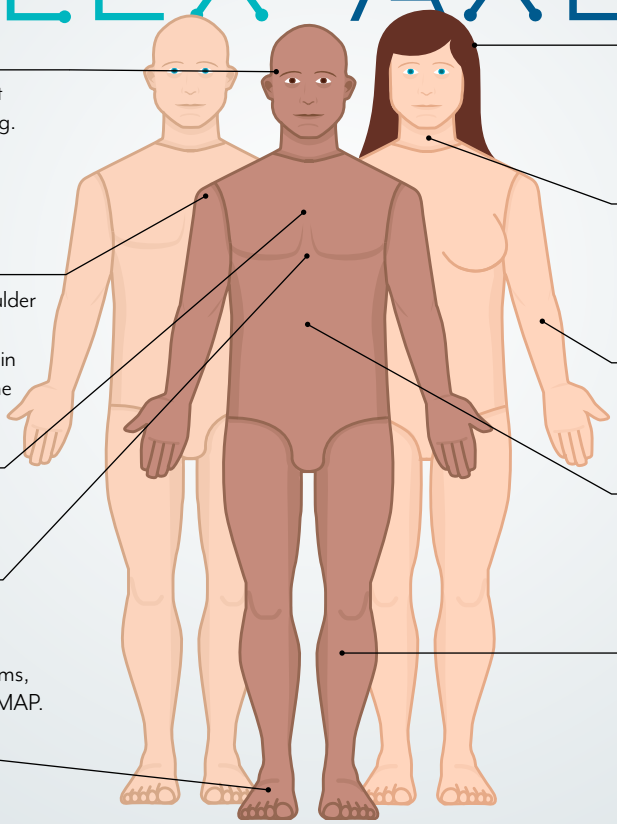
Conversation: activate AI feature with shoulder touch: responds to thousands of medical patient questions (ALEX models only). Built-in microphone and speakers facilitates real-time conversation.

CPR with LIVE metrics charting depth, rate and ventilations.

Spontaneous Breathing:
Synchronized with Respiratory Rate.

Patient Monitor with Vitals And Waveforms, HR, RR, ETCO2, SPO2, TEMP, BP, ECG & MAP.

Palpable pulses: bilateral, carotid, brachial, radial, dorsalis pedis.



Female Conversion Kit:
101-7160 Light Skin Tone
101-7160M Medium Skin Tone

Airway: oral, digital, and nasal intubation, as well as all other standard airway procedures.

Bilateral Blood Pressure (Manual & 2-step BP) with SmartScope™ & SmartCuff™

Anterior heart and bowel sounds, anterior/posterior lung sounds with SmartScope™.

Height: 5 ft. 1 in. (1.55 m)
Skin Tones:
Available in Light and Medium.

SOFTWARE HIGHLIGHTS

Real-Time Remote Simulation Control
Adjusts vitals, speech, and sounds using any Internet-connected device. Collect checklist data, watch live video.

Patient Authoring
Create new patients by customizing vitals, checklists, patient file, and all speech questions and responses. Share and collaborate with other ALEX/AXEL/PCS users. Scenarios included with customizable patients, virtual patients (for ALEX Pro), patient orders.



Included Wi-Fi® tablet for simulator setup & use

Simulation Archive
Search and review your past simulation sessions with trend charts, logs, and checklists. View Events, Objectives & Orders Log Entry Record, Communication Transcription Log Entry Record.

Access Control
Student access for patient file and vitals monitoring. Share full simulator control and patient scenario authoring with collaborators. Access to Teamspace.

ALEX LITE

Includes: manikin with all physiological features, preconfigured Wi-Fi® tablet, web-based control, access sharing and content authoring, advanced speech features (250 questions/day), IrisCam™ live streaming, 60 days of simulation log archive, 1-year warranty.

101-7130 Light **101-7130M** Medium

ALEX PLUS

Includes: all LITE features and increased requests (1,000 questions/day), IrisCam™ recording (1,000 hours of sessions stored online), live CPR with metrics charting depth, rate & ventilations, 365 days of simulation log archive, 5-year warranty.

101-7140 Light **101-7140M** Medium

ALEX PRO

Includes: all PLUS features and unlimited number of requests, unlimited IrisCam™ recording, 5-years of simulation log archive, live CPR with metrics charting depth, rate & ventilations, model-driven physiology, drug treatments, 5-year warranty.

101-7150 Light **101-7150M** Medium

AXEL

Includes: all ALEX PLUS features and manual microphone/speaker, IrisCam™ recording (1,000 hours of sessions stored online), 365 days of simulation log archive, live CPR with metrics charting depth, rate & ventilations, model-driven physiology, drug treatments, lifetime software service license, 5-year warranty.

101-7210 Light **101-7210M** Medium

Optional IV Arm in 2 Skin Tones

101-8029 ALEX/AXEL Optional IV Arm Light Skin Tone – Right
101-8029M ALEX/AXEL Optional IV Arm Medium Skin Tone – Right

ALEX Upgrades

101-8030UPPLUS ALEX Upgrade Lite To Plus
101-8030UPPRO ALEX Upgrade Lite To Pro
101-8040UPPRO ALEX Upgrade Plus To Pro

ALEX Extended Warranty

101-8040EXS ALEX Plus Extended Yearly Service Fee
101-8050EXS ALEX Pro Extended Yearly Service Fee

ALEX / AXEL Comparison Chart

Weight: 45 lbs. (20 kg) **Height:** 5 ft. 1 in. (1.55 m) **Sh. wt.** 67 lbs. (30 kg) **Sh. Dimensions:** 41" H x 19.5" W x 15" D	ALEX LITE	ALEX PLUS	ALEX PRO	AXEL
Light Skin Tone	**101-7130**	**101-7140**	**101-7150**	**101-7210**
Medium Skin Tone	**101-7130M**	**101-7140M**	**101-7150M**	**101-7210M**
Adult/Adolescent Full Body Patient Simulator	$	$$	$$$	$$
Speech Recognition (NLP)	Up to 250 questions per day	Up to 1,000 questions per day	Unlimited	Manual microphone/ speaker allows facilitor and student to speak to each other.
Intubation – Oral, Nasal and Digital	Yes	Yes	Yes	Yes
Palpable Pulses – Bilateral	Yes	Yes	Yes	Yes
Carotid	Yes	Yes	Yes	Yes
Brachial	Yes	Yes	Yes	Yes
Radial	Yes	Yes	Yes	Yes
Dorsalis Pedis	Yes	Yes	Yes	Yes
Bilateral Blood Pressure (Manual & 2-step BP) with Smartscope & Smartcuff	Yes	Yes	Yes	Yes
Anterior Heart and Bowel Sounds with Smartscope	Yes	Yes	Yes	Yes
Anterior/Posterior Lung Sounds with Smartscope	Yes	Yes	Yes	Yes
Spontaneous Breathing – Synchronized with Respiratory Rate	Yes	Yes	Yes	Yes
BVM Ventilation	Yes	Yes	Yes	Yes
Patient Monitor with Vitals And Waveforms	Yes	Yes	Yes	Yes
HR, RR, ETCO2, SPO2, TEMP, BP, ECG & MAP	Yes	Yes	Yes	Yes
Virtual AED/Pacing & 12 Lead ECG	Not Available	Yes	Yes	Yes
CPR with Metrics Charting Depth, Rate & Ventilations	LOG	LIVE	LIVE	LIVE
Real-Time Remote Simulation Control	Yes	Yes	Yes	Yes
Scenarios Included with Customizable Patients	Yes	Yes	Yes	Yes
Measurable Objectives with Automated Assessment	Yes	Yes	Yes	Yes
Patient Orders	Yes	Yes	Yes	Yes
Model-Driven Physiology	Not Available	Not Available	Yes	Yes
Drug Treatments	Not Available	Not Available	Yes	Yes
Built-In Microphone and Speakers	Yes	Yes	Yes	Yes
Events, Objectives & Orders Log Entry Record	Yes	Yes	Yes	Yes
Communication Transcription Log Entry Record	Yes	Yes	Yes	Not Available
Iris Cam – Live Stream	Yes	Yes	Yes	Yes
Iris Cam – Recording	Not Available	1,000 hours	Unlimited	1,000 hours
Simulation Log Archive	60 days	1 year	5 years	1 year
Teamspace	Not Available	Not Available	Yes	Not Available
Cloud Connected Control	Yes	Yes	Yes	Yes
Virtual Patient	Not Available	Not Available	Yes	Not Available
Warranty	1 year	5 years	5 years	5 years
IV Arm – Optional	Optional	Optional	Optional	Optional
Female Conversion Kit – Optional	Optional	Optional	Optional	Optional

learner-driven, self-service simulation

Intelligent Digital Patients for All Healthcare Disciplines

Spark (Digital Patients) brings scalable, accessible clinical interview training to students anytime, anywhere. Students talk to digital patients using an AI speech engine to collect relevant information. From there, they can examine patients from head to toe, order labs/medical imaging, diagnose, and provide drug treatments with life-like physiological reactions. Automated performance assessment instantly reports areas where students excel and must improve. Run one of 16 bundled patient cases or create your own with the advanced case authoring tool. Provide unique live, multiple user training sessions where students remotely team up to assess and diagnose one patient. PCS Spark works across PC, Mac, iOS, and Android devices with Internet access.

Annual Spark vSimulator Subscriptions

101-7310

Learner Accounts

START Annual Learner Account
- Screen based learner access, unlimited simulations.

101-7320

PLUS Annual Learner Account
- All START functionality, VR access, model driven physiology and TeamSpace multiplayer.

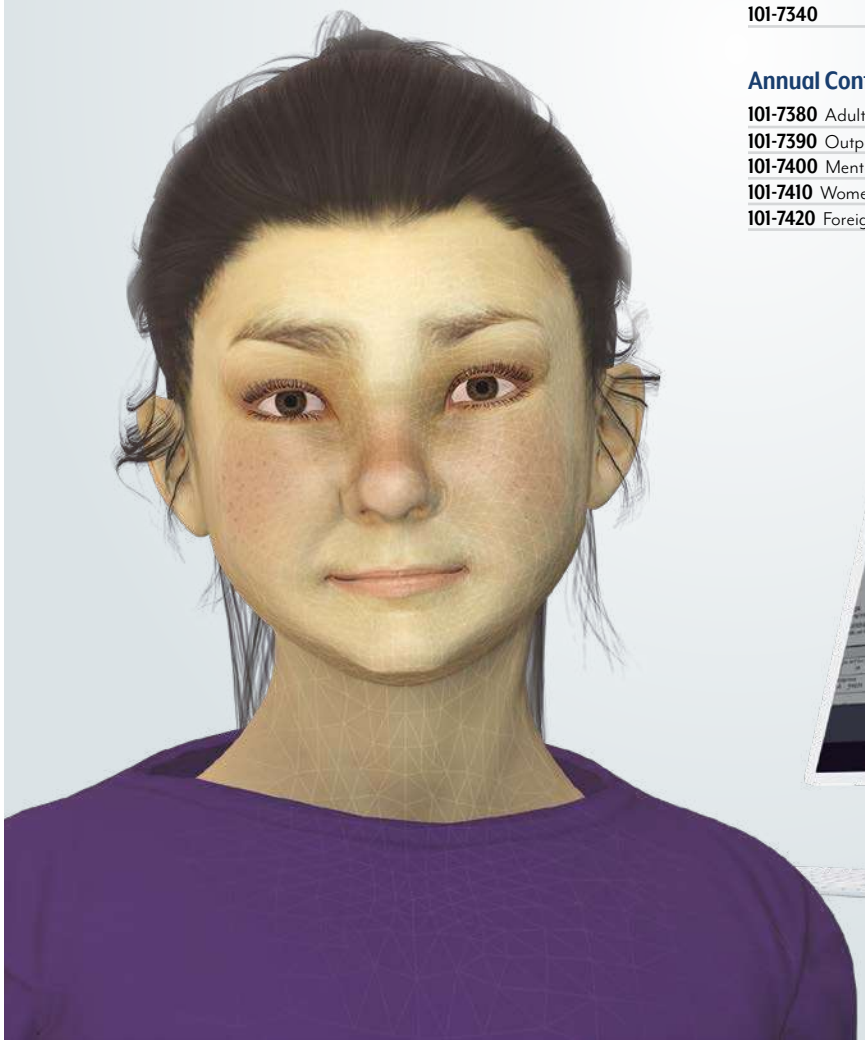
101-7330

PRO Annual Learner Account
- All START and PLUS functionality, SSO (single sign-on) integration, LMS (Learning Management System) integration. Must support open LTI (Learning Tools Interoperability).

101-7340

Annual Content Packages

101-7380 Adult Care Content Package
101-7390 Outpatient Care Content Package
101-7400 Mental Health Content Package
101-7410 Women's Health Content Package
101-7420 Foreign Language Content Package





welcome to advanced high-fidelity simulation

SMART STAT Family

More advanced and simpler to use than other high-fidelity simulators in the same price range

Portable, flexible, and rugged iPad®* system offers the opportunity for a wide range of simulation training exercises across many medical disciplines, including:

- Disaster response
- Emergency medical response team
- Military battlefield
- Paramedic
- Hospital and clinic training programs
- Nurse safety
- Nursing school
- Physician
- University teaching hospital

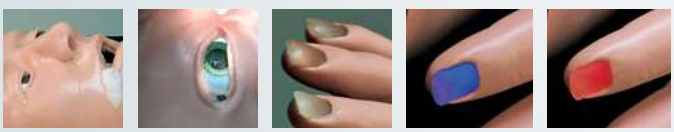
- Wireless, tetherless patient simulator operates via iPad®* Wi-Fi® technology and utilizes simplified product control screens for ease of operations
- No programming experience or high-cost training required
- Unit can be operated within 5 minutes of exploring the iPad®* screens
- iPad®* allows recording of students' attempts at assessment and treatment of the patient simulator's physiological presentation
- Pull up any one of many scenarios for teaching and challenging students' abilities, and testing knowledge, proficiency, and critical-thinking skills
- Easily transfer records via PDF document to a PC for storing, printing, and using
- Durable simulator can be used indoors and outdoors in many environments
- Battery-operated simulator can be connected by wire to a local power source (110V or 220V AC versions) when doing clinical lab time where movement of the simulator is not necessary
- Simulator is 6 ft. (189 cm) tall with 46 in. (116 cm) chest, 32 in. (81 cm) inseam, 40 in. (101 cm) waist, 26 in. (66 cm) head circumference, and 18½ in. (47 cm) neck
- 1-year warranty (extended 2-year warranty available at time of purchase)

NOTE: Defibrillation with hands-free pad technology requires the use of a training cable furnished free; the item number depends upon defibrillation unit manufacturer and must be identified for inclusion in the shipment. Chest post adapters, also furnished with the patient simulator, are used in conjunction with the training cable.

SMART STAT

Advanced easy to use simulation.





For warranty and extended warranty information, please contact your representative.

SMART STAT Basic

Affordable patient simulator takes ALS training into the students' environment. Instructors can evaluate student knowledge, skill levels, and critical thinking abilities by utilizing the applications via the iPad®*



*iPad® and iTunes® are trademarks of Apple, Inc., registered in the U.S. and other countries.

Simulaids Key Features	SMART STAT with iPad®*	SMART STAT Basic with iPad®*
Product Numbers	**101-8000U / 101-8001U**	**101-8002U**
Blood Pressure	Yes	Yes
Cardiac Rhythms	51 variations	51 variations
External vitals monitor for students	Yes	Yes
Lung Sound Sites	Yes – 6 anterior, 4 posterior	Yes – 6 anterior
Cardiac Sound Sites	Yes – 4	Yes – 4
Airway Management: Oral/Nasal	Yes	Yes
Stomach Rise/Auscultation Related to Airway Placement	Yes	Yes
Right Main Stem Intubation	Yes	Yes
Cricothyrotomy	Needle	Needle
Tracheotomy Care/Suctioning	Non-Surgical	Non-Surgical
Positive Ventilation	Yes	Yes
Sellick Maneuver	Yes	Yes
ETCO Flushing	Yes	No
Cyanosis/CO flushing	Both, on Lips/Fingers	No
Pulse Ox reading	Yes	No
Jaw thrust to clear airway	Yes	Yes
Breakaway Teeth	Yes	Yes
Spontaneous chest rise	Yes	Yes
ALS functions with cardioversion	Yes	Yes
Chest-Decompression/Drains/ Pericardiocentesis	Yes	Yes
Reactive Eyes	Yes	No
Convulsions/Seizures	Focal Seizures	No
CPR landmarks	Yes	Yes
Closed Chest Compressions	Yes	Yes
Anterior Pacing	Yes	Yes
ECG Leads	5 (optional 12 lead overlay)	5 (optional 12 lead overlay)
IV Access & IM	Yes	Yes
Phlebotomy and Arterial Access	Yes	No
I/O Access	FAST, Optional Leg & Humerus	Optional Leg & Humerus
Pulse Points	Yes – 12, reactive to BP	Yes – 12, reactive to BP
Edema: Tongue, Larynx	Yes	Yes
Fluid Management	Internal	external
Facial Fluids	3	0
Urinary Fluids/Catheterization	Yes	No
Bowel Sounds	Yes	No
Instructor Control Unit - Full Body Adult Simulation	Yes	Yes
Scenarios that can be altered during simulation	Yes, comes with three. Special focus sets available	Yes, comes with three. Special focus sets available
Trauma management	Optional torso overlay with packable wound, Trauma leg and arm	Optional torso overlay with packable wound, Trauma leg and arm – external fluids
Use with training meds	Yes-Able to add to scenario list, not auto-recognized	Yes-Able to add to scenario list, not auto-recognized
Ultrasound	Optional VausSim™ FAST ultrasound system – torso	Optional VausSim™ FAST ultrasound system – torso
Microphone Speech option	Wireless one way, Pre-Programmed	Wireless one way, Pre-Programmed
Simulator Controller	iPad®*	iPad®*
Wireless Control	Yes	Yes
Debriefing Support	Part of iPad®* App	Part of iPad®* App
Carrying System	Hard case with wheels	Hard case with wheels
Free video conference-based training	Scheduled as needed with client	Scheduled as needed with client

*iPad® and iTunes® are trademarks of Apple, Inc., registered in the U.S. and other countries.

SMART STAT

Simulaids SMART STAT
- Comes with Apple® iPad®*

101-8000U Sh. wt. 149 lbs.

Cricothyrotomy Replacement Skin
101-424U Pkg. of 10. Sh. wt. 0.56 lbs.

Pneumothorax Pads
101-423U Pkg. of 4. Sh. wt. 1.25 lbs.

IV Replacement Skin
140-390U Sh. wt. 2 lbs.

Replacement Vein Kit
101-101U Sh. wt. 1.25 lbs.

Injection Site Replacement, Arm
101-302U Pkg. of 4. Sh. wt. 0.38 lbs.

Simulaids SMART STAT Complete
- Comes with Apple® iPad®*, SimVitals 5-Line Monitor, Amputated Bleeding Leg, and I/O Leg
- Actual model may vary

101-8001U Sh. wt. 177 lbs.

Injection Site Replacement, Thigh
101-441U Pkg. of 4. Sh. wt. 0.25 lbs.

Replacement Teeth
101-303U Set of 3. Sh. wt. 1.25 lbs.

Fluid Reservoir Replacement Bag
101-304U Sh. wt. 0.19 lbs.

Replacement Hand Skin
Pkg. of 4. Sh. wt. 1.25 lbs.
101-415U For Right Hand **101-416U** For Left Hand

Replacement Elbow Skin
Pkg. of 4. Sh. wt. 1.25 lbs.
101-417U For Right Elbow
101-419U For Left Elbow

Replacement I/O Skin
101-418U Pkg. of 4. Sh. wt. 1.25 lbs.

Replacement Neck Skin
101-426U Pkg. of 10. Sh. wt. 1.25 lbs.

Male Genitalia
101-497U Sh. wt. 1.25 lbs.

Female Genitalia
101-498U Sh. wt. 1.25 lbs.

Replacement Pericardiocentesis Injection Site
101-119U Pkg. of 10. Sh. wt. 2.25 lbs.

Replacement External Jugular Neck Insert
101-412U Sh. wt. 1.25 lbs.

Blood Pressure Cuff
Sh. wt. 1.25 lbs.
101-422U With Latex **101-510U** Latex-Free

Replacement Blood Pressure Cuff
101-601U Sh. wt. 1.25 lbs.

Battery Leg
101-407NU Sh. wt. 11 lbs.

Battery Charger
101-544U Sh. wt. 1.25 lbs.

*iPad® and iTunes® are trademarks of Apple, Inc., registered in the U.S. and other countries.



Simulaids Xtreme Trauma Bleeding Leg Moulage for STAT Simulators
- Graphic explosion wound for the lower leg of a SMART STAT
- Detailed enhancements to challenge any practitioner's level of care
- From missing muscle and bone, to flesh avulsions, fatty tissue, and bone ends, the details demand aggressive care and treatment
- Blood supply line connects quickly to the moulage and has pressurized blood flow to create a messy wound
- Proper application of a tourniquet will halt the blood flow

101-482U Sh. wt. 10 lbs.



Simulaids Amputated Bleeding Leg SMART STAT
- Substitute the Amputated Bleeding Leg for the right leg of the SMART STAT
- Instructor controls the bleeding by utilizing the "Venous Blood Flow" on the Pocket PC (included with SMART STAT)
- SMART STAT holds 500 cc of blood for use with the Amputated Bleeding Leg
- Properly applied tourniquet (not included) will arrest the bleeding

101-408U Sh. wt. 4 lbs.



Simulaids Xtreme Trauma Bleeding Arm
- Consists of a molded moulage piece with a structure that offers a simple connection to the existing IM injection site of a SMART STAT patient simulator
- Features missing muscle and bone, flesh avulsions, fatty tissue, and bone ends
- Pressurized blood flow creates a messy wound
- Proper applications of a tourniquet will halt the blood flow

Sh. wt. 11 lbs.

101-483U For Basic SMART STAT (101-8002U) **101-481U** For Complete SMART STAT (101-8001U)



Simulaids Amputated Bleeding Arm SMART STAT
- SMART STAT has the capability to put in place this amputation moulage so practitioners have the opportunity to treat this trauma with a tourniquet
- Bleeding will cease when tourniquet is applied correctly
- Blood flow is controlled by the instructor by selecting the function on the Pocket PC (included with SMART STAT)

101-468U Sh. wt. 0.69 lbs.

Simulaids SMART STAT Trauma Overlay Flash Moulage

- Ideal for training staff to manage trauma stabilization
- Design of overlay has the added advantage of utilizing the internal bleeding system already present on the SMART STAT
- Rugged moulage system can be further enhanced with the addition of the Xtreme Trauma Bleeding Arm (101-481U) and Xtreme Trauma Bleeding Leg (101-482U) for maximization of any extreme trauma or mass casualty training program
- Durable and versatile
- Overlay allows for rapid modifications depending on the scenario demonstrated and whether or not the wound is made to bleed
- Simple system allows for easy setup and will not come off during extraction training
- Check "change out the existing overlay" on your SMART STAT link in the bleeding system and, in seconds, change up your presentation
- Excellent way to build out your advanced ALS level training with medics, paramedics, and other medical professionals interested in taking trauma management beyond the basics by combining the advanced features of SMART STAT with an enhanced, easy-to-use trauma upgrade

808-6004U Sh. wt. 6 lbs.



Intraosseous Leg Adult STAT Simulator

- Offers intraosseous access to the proximal tibia
- Use to enhance training and understanding of procedures associated with B.I.G.™ and EZ-IO™ devices
- Not fluid capable
- No blood source is accessible through the injection site
- Bone sections and knee skin replacements are available
- 31 in. x 8 in. x 8 in.

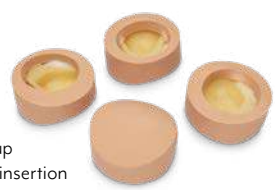
101-409U Sh. wt. 11 lbs.



Sternal Bone Replacement

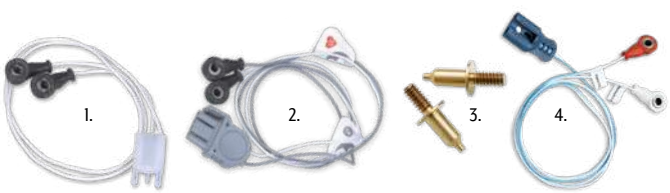
101-413U Pkg. of 10. Sh. wt. 3 lbs.

Simulaids STAT Humerus Intraosseous (I/O) Insert



- The Humerus I/O Insert will expand the training possibilities for the SMART STAT Basic and STAT manikins
- Insert fits into the IM pocket on the humerus and is ready in seconds so you can train for humerus I/O fluid administration setup
- Simulated bone inside the insert provides realistic feel during insertion
- I/O system will latch just as it does in a real bone
- Cost-effective and quick upgrade that can be added to your training kit

101-8011U Pkg. of 4. Sh. wt. 1.25 lbs.



Simulaids Training Cables for STAT

- Training cables to use with the STAT manikin are available with unique cable ends for use with Zoll defibrillators, Phillips, and Medtronic Physio-Control Quick Combo
- If your defibrillator uses snap-on patches we also have the adapters you need to eliminate the use of pads
- Training cables are not recommended for use with any non-rechargeable battery AED (includes: FirstSave, HeartStream, and Medtronic Physio-Control with non-rechargeable lithium batteries)

1. Zoll Training Cables

175-0-Z02U Sh. wt. 0.19 lbs.

2. Medtronic Physio Quick Combo Training Cables

175-0-Z10U Sh. wt. 0.50 lbs.

3. Marquette Adapter

101-050U Sh. wt. 0.25 lbs.

4. Phillips Training Cables

175-0-Z13U Sh. wt. 0.25 lbs.

Chest Post for Training Cables

175-0-Z08U Sh. wt. 0.02 lbs.

Sim Vitals 5-Line Monitor SMART STAT



- Order at the same time as the SMART STAT to receive a patient simulator ready for immediate use
- Displays the patient simulator's blood pressure, SP02, ETCO2, respiratory rate, heart rate, and 3 leads (I, II, III) of ECG, all controlled by the instructor
- Programming is installed on a laptop (included, actual computer may vary)
- Connection to SMART STAT is assured, eliminating the need for assistance from IT personnel
- Simply charge the batteries and go right to work
- 19 in. x 18 in. x 9 in.

410INTWIFU Sh. wt. 13 lbs.

SMART STAT BABY



Simulaids STAT Baby Advanced

- Utilizes easy-to-use iPad®* technology
- Gives the instructor control of the physiological features of the baby to deliver challenging training to develop student assessment skills and easily tracks sessions for later review and debriefing
- Manage student information, easily create alternate scenarios or use existing, and efficient records management of the training
- Satisfies every training need for post-neonatal care of pediatric patients
- iPad®* included
- Lifelike skin
- Accepts LMA, ET, OPA, NPA, and LT airways
- Sternal retraction
- Fully enclosed crib with waterproof surface
- 6 ft. (183 cm) tether assembly
- Heart sounds
- Lung sounds
- Voice sounds
- Spontaneous breathing
- 7 pulse points
- I/O leg
- 3 IV sites
- PICC access site
- IM/SQ injection sites
- Advanced intubation head with tongue edema and laryngospasm
- Pneumothorax reduction bilaterally
- 4-lead monitoring
- Chest tube insertion (left side only)
- Defibrillation
- Rectal medication
- Urinary catheterization
- 55 in. x 28 in. x 11 in.
- 1-year warranty

101-8010U Sh. wt. 122 lbs.

*iPad® is a trademark of Apple, Inc., registered in the U.S. and other countries.

Extended Warranty for STAT Baby Advanced

101-8010WU


Injection


Nasal Tube Insertion


I/O Insertion Leg


IV Insertion


Simulated Rectal Temperature


Urinary Catheter

STAT Baby Replacement Parts

Cat. No.	Description	Sh. wt.
101-428U	Leg Skin (1 Left and 1 Right)	1.25 lbs.
101-429U	Arm Skin (1 Left and 1 Right)	1.25 lbs.
101-431U	I/O Leg Bones (Pkg. of 12)	0.88 lbs.
101-095U	Arm/Hand Replacement Vein Kit	0.19 lbs.
101-427U	IV Replacement Vein Kit	1.25 lbs.
101-430U	Pneumothorax Pads (Pkg. of 4)	1.25 lbs.
101-432U	IM Injection Site (Pkg. of 4)	1.25 lbs.
101-433U	Subcutaneous Injection Site (Pkg. of 4)	1.25 lbs.

Simulaids STAT Baby Advanced Pediatric Scenario Package

- Designed for facilitating learning of the 2010 AHA PALS guidelines related to emergency care of the pediatric patient
- Contains 12 scenarios

Respiratory Emergencies:

- Asthma
- Croup
- Ingestion
- Pneumonia

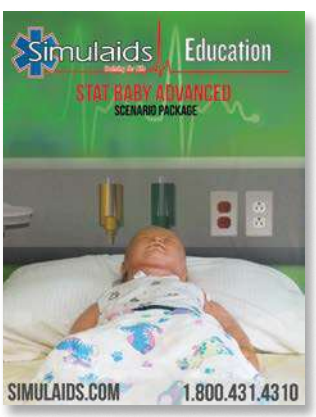
Shock & Fluid Resuscitation:

- Anaphylactic Shock
- Tension Pneumothorax
- Cardiomyopathy
- Dehydration

Cardiac Emergencies:

- Asystole/PEA
- Bradycardia
- SVT
- VF

101-448U Sh. wt. 0.38 lbs.





XR-Clinic Mobile

XR-Clinic Mobile

A revolutionary way to develop skills with high resolution graphics. Virtual patients answer questions allowing learners to develop their medical diagnostic abilities.

- Low price
- Special pricing for classrooms
- Industry leading graphics
- Minimum space needed for use (under 4 sq. ft.)
- Lifetime license
- Unique teleportation feature inside VR section
- Optimized setup, load and response time
- Hardware (goggles, controllers, carry case)
- 200+ medical scenarios in library
- Case Manager for creating and editing your own cases
- Smart Center with Spectator feature for managing and tracking training
- Multi-user capability – ideal for medical schools or simulation centers
- Multiple languages: English, Spanish, Arabic, Turkish, Portuguese, German, & more to come
- 14 in. x 9 in. x 5.5 in.

XRC-M010 Sh. wt. 5.07 lbs.
XRCL-M010 without goggles

XR-Clinic Desktop

- No hardware needed
- Low price
- Special pricing for classrooms
- Industry leading graphics
- 4-year license
- Unique teleportation feature inside VR section
- Optimized setup, load and response time
- 200+ medical scenarios in library
- Case Manager for creating and editing your own cases
- Smart Center with Spectator feature for managing and tracking training
- Multi-user capability – ideal for medical schools or simulation centers
- Multiple languages: English, Spanish, Arabic, Turkish, Portuguese, German, & more to come

XRC-DUL001 per user


MVR-Nursing

MVR-Nursing

A virtual simulator for developing professional nursing skills. Learners are immersed in realistic clinical scenarios.

- Lifetime license
- Automatic updates
- 50+ interactive items
- Haptic feedback
- Patient interaction with dialogue
- Unique teleportation feature
- Minimum space required for use (4 sq. ft.)
- Optimized setup, load and response time

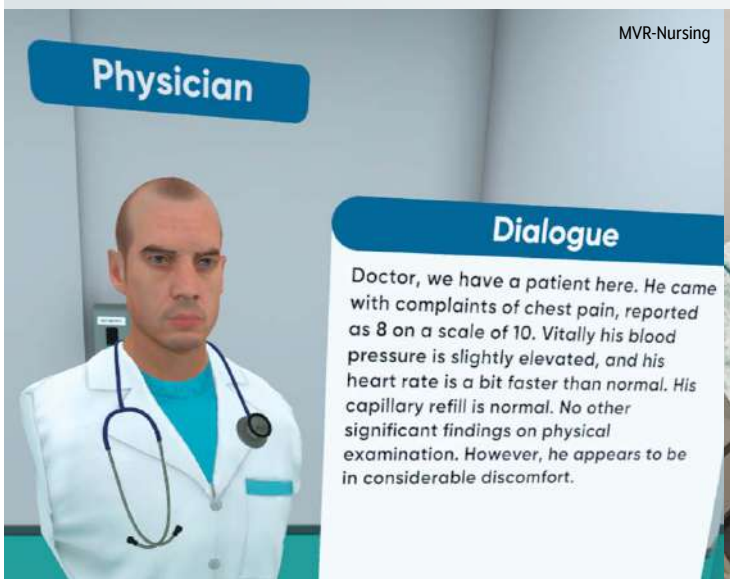
MVR-N010 Sh. wt. 5.07 lbs.
MVRL-N010 Software only

XR-Clinic Desktop Software User License Unlimited

XRC-DGL002

Case Manager Web Service

XRC-CM001 150 case scenarios, 1 year
XRC-CM002 300 case scenarios, 2 years



MVR-Nursing


XR-Clinic

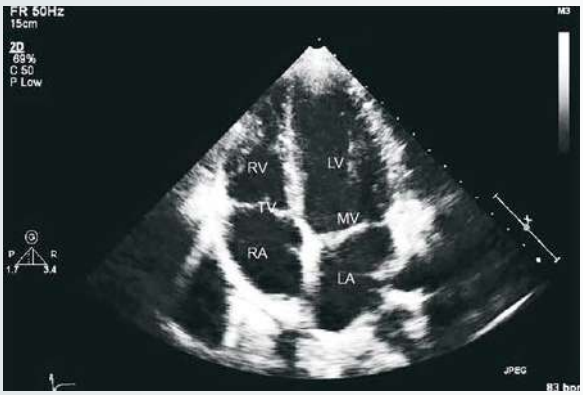
Ultrasound Simulation

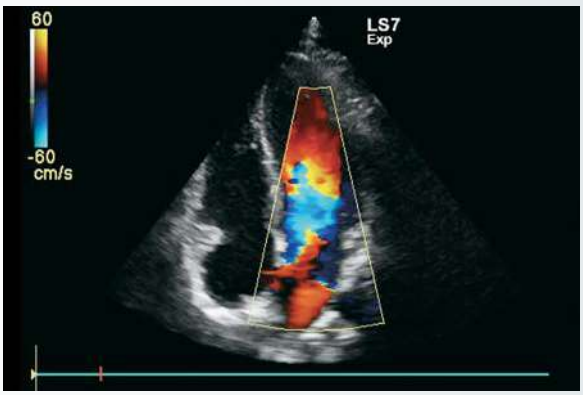


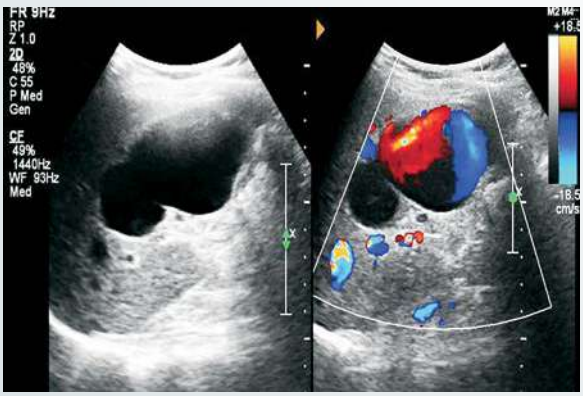
realistic, customizable ultrasound simulation even in mobile settings

VausSim™ Ultrasound Simulation

Create your own ultrasound simulator. The VausSim™ ultrasound simulator, thanks to a network of high-fidelity sensors, makes the skin of any simulator or manikin ultrasound scannable even in mobile settings. This simulator allows the instructor to independently create, through the use of a powerful editor, a customized and exclusive casebook of real US images/videos/volumes. The instructor is able to change the pathological ultrasound status of the patient in real-time during the scenarios. VausSim™ is also completely independent and not sensitive to magnetic field, and guarantees continuous functioning, even during transportation and movement of the patient.









SMART STAT, SMART STAT Basic, and STAT training options:

- Software that includes:
  - An Emergency module with 8 different cases FAST, eFAST, and RUSH acquired and validated by universities and scientific associations
  - A realistic "user interface" with integrated controls for the modulation (contrast, brightness, etc.) or the analysis (freeze, measurements, etc.) of the image
  - A user-friendly, browser-based "instructor interface" that can be used on a PC, tablet, or smartphone connected via network to the user interface and allows the use of VausSim™ during advanced simulation scenarios
- 3 different realistic probes (curved, linear, and phase array), including pressure sensor and a bright LED for orientation of probe
- Set of 18 sensors that can be placed anywhere on the simulator directly by the instructor in order to create new ultrasound scanning points
- Software license
- User manual
- Transport case

Available bundled with new simulation systems or as an upgrade to existing SMART STAT (101-8000U), SMART STAT Basic (101-8002U), SMART STAT Complete (101-8001U), or STAT simulators (101-300U and 101-310U).

STAT with VausSim™
Includes STAT manikin (101-310U), plus the VausSim™ ultrasound simulator described above.

101-7530U Sh. wt. 125 lbs.

SMART STAT with VausSim™
Includes SMART STAT manikin (101-8000U), plus the VausSim™ ultrasound simulator described above.

101-7510U Sh. wt. 145 lbs.

Overlays with VausSim™
VausSim™ upgrade kit for existing manikins.
Sh. wt. 10 lbs.

101-7570U For STAT Manikins

SMART STAT Basic with VausSim™
Includes SMART STAT Basic manikin (101-8002U), plus the VausSim™ ultrasound simulator described above.

101-7520U Sh. wt. 135 lbs.

SMART STAT Complete with VausSim™
Includes SMART STAT Complete manikin with iPad®* (101-8001U), plus the VausSim™ ultrasound simulator described above.

101-7500U Sh. wt. 192 lbs.

101-7560U For Basic SMART STAT Manikins



101-7550U For SMART STAT Manikins

VausSim™ Kit

- Standalone option can be used on any manikin or standardized patient

Options for VausSim™ Kit:

- Set of 18 sensors that can be placed anywhere on the simulator directly by the instructor in order to create new ultrasound scanning points
- A realistic "user interface" with integrated controls for the modulation (contrast, brightness, etc.) or the analysis (freeze, measurements, etc.) of the image
- A user-friendly, browser-based "instructor interface" that can be used on a PC, tablet, or smartphone connected via network to the user interface and allows the use of VausSim™ during advanced simulation techniques
- 3 different realistic probes (curved, linear, and phase array), including pressure sensor and a bright LED for orientation of probe

What's included:

- End user can load their own library of video and images to support the location they want to train on
- Software license

101-7540U Sh. wt. 5 lbs.



Scenario set options (8 cases each)

600-7600U Abdominall Module
600-7610U Pleurall Module
600-7620U Cardiacl Module

*iPad® is a trademark of Apple, Inc., registered in the U.S. and other countries.

Update your existing SMART STAT with the VausSim™ Kit standalone option

ECLSim™ Screen Based Extracorporeal Life Support Simulator

ECLSim software, lifetime license key and digital user manual

- Installation support and remote training
- Lifetime free software updates and upgrades

System Requirements:

- 15" monitor with 1024 x 768 resolution
- CPU: Intel Core i-5
- 8GB RAM
- Windows 10 Pro (64 bit)
- Language: English
- 128 GB hard drive

ECL Sh. wt. 6 lbs.



VausSim™ Cardiac 1 Module
VAUCAR1

VausSim™ Pediatric 1 Module
VAUPED1

VausSim™ OB/GYN PPH1 Module
VAUPPH1

VausSim™ RFID Tags, 30-Pack
VAU2ORFID

VausSim™ Pleural 1 Module
VAUPLE1

VausSim™ Emergency 1 Module
VAUEMS1

VausSim™ Intrapartum 1 Module
IUSIM1

VausSim™ Simulated Reference System Module
VAURRS

VausSim™ Abdominal 1 Module
VAUABD1

VausSim™ Emergency Covid 1 Module
VAUCOV1

VausSim™ Intrapartum 2 Module
IUSIM2

VausSim™ Simulated Ultrasound Convex Probe

- 8 in. x 8 in. x 4 in.

VAUCXP Sh. wt. 2.2 lbs.

VausSim™ Simulated Ultrasound Phase Array Probe

- 20 in. x 16 in. x 8 in.

VAUPAP Sh. wt. 11 lbs.

VausSim™ Simulated Ultrasound Linear Probe

- 20 in. x 16 in. x 8 in.

VAULRP Sh. wt. 11 lbs.

Advanced Ultrasound Trainers

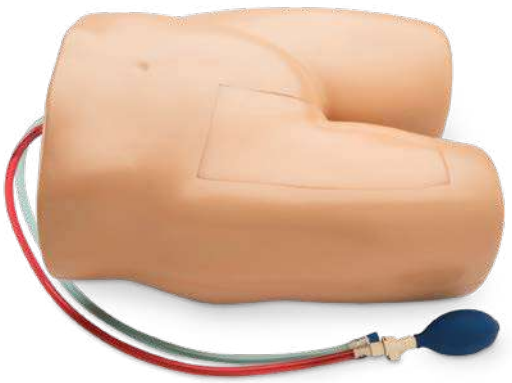
Blue Phantom™ Femoral Vascular Access Lower Torso Model with DVT Option – US only

- Train clinicians in the psychomotor skills associated with ultrasound guided procedures, including guiding needle and catheter insertions in the femoral artery and vein
- Ultra-durable, self-healing tissue
- Contains anatomically correct vascular anatomy of the right lower torso, including the femoral artery and vein
- Utilize traditional anatomical landmarks for blind insertion techniques, or utilize ultrasound to obtain images of anatomical structures
- Use ultrasound to target the appropriate vessels for cannulation and to perform a central venous access procedure
- Accommodates full threading of guide wires and catheters
- Venous and arterial fluids that are removed during central catheter insertions training are easily refilled using quick fill ports
- Positive fluid flow in the vessels
- 3 arterial pulse configurations are available: no pump, hand pump, and integrated automated pump
- Simulated blood fluids in the arterial vessels differ from the venous system to easily verify successful venous access procedures
- Tissues match the acoustic characteristics of real human tissue
- Performs well using any ultrasound imaging system
- Deep Vein Thrombosis (DVT) option
- Patented technology
- No special storage needs
- Purchase includes 2 bottles of simulated blood refill solution; 1 red (arterial), 1 blue (venous) — 235 ml per bottle
- 25 in. L x 19 in. W x 12 in. H
- 40-lb. training model
- Made in U.S.A.

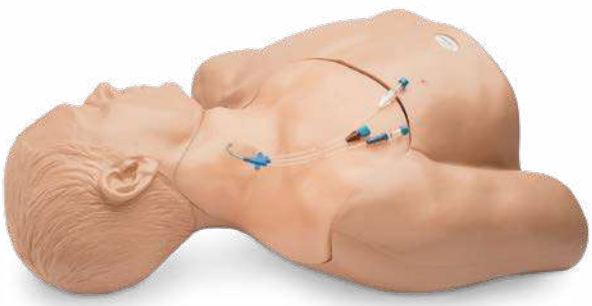
Sh. wt. 43 lbs.

Gen II Femoral Model with Hand Pump and DVT Option

B1500HPU



Realistic and durable training models



Gen II Ultrasound Central Line Training Model – US only

- Visualize the pulsatility of arteries via ultrasound for positive identification of the targeted vessel
- Realistic anatomy of the upper thorax and neck
- Self-healing tissue offers users tremendous durability
- Venous anatomy includes internal jugular vein (IF), brachiocephalic vein, subclavian vein, and axillary vein
- Simulated superior vena cava, right atrium, and right ventricle offer users the ability to fully thread guide wires, dilators, and catheters without resistance
- Arterial pulsation can be simulated via the manual hand bulb
- Optional automated pump allows users to differentiate between arteries and veins

BPH660-HPU Sh. wt. 30 lbs.
BPH660-APU Sh. wt. 30 lbs.

Focused Assessment with Sonography for Trauma (FAST) – US only

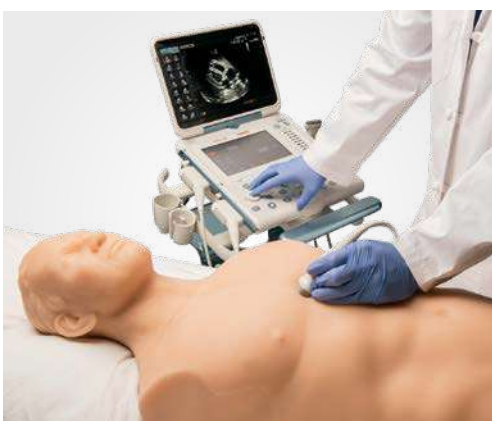
Fully Imageable Combination FAST, TTE, and Pericardiocentesis Ultrasound Model

- Extremely realistic combination Transthoracic Echo (TTE), Pericardiocentesis, and Focused Assessment with Sonography for Trauma (FAST) exam ultrasound model
- Adjust internal bleeding states around the liver, spleen, heart, and bladder, simulating a wide range of pathological scenarios
- Fully imageable upper and lower torso; contains the liver, gallbladder, kidneys, spleen, heart, pericardial fluid, lungs, ribs, bowel, bladder, stomach, and skeleton
- Model extends from head to mid-thigh
- Heart contains accurate anatomy including left and right ventricle, left and right atria, mitral valve, tricuspid valve, aortic valve, pulmonic valve, left atrial appendage, pulmonary arteries, pulmonary veins, ascending aorta, aortic arch, superior vena cava (SVC), and inferior vena cava (IVC) for extremely realistic imaging
- 46 in. L x 20 in. W x 12 in. H Sh. wt. 108 lbs.

What's in the Box?

- FAST Ultrasound Training Model
- Thermoform plastic storage shell with hook-and-loop straps
- Clear ultrasound refill solution (1-liter bottle)
- Blue ultrasound refill solution (235 ml bottle)
- Red ultrasound refill solution (235 ml bottle)
- Microfiber cleaning cloth
- Baby powder
- User guide CD

BFAST1800U Sh. wt. 119 lbs.





Blue Phantom™ Female Pelvis – US only

- Develop necessary hand-eye coordination skills on realistic, durable ultrasound phantom models
- Designed specifically for obstetrics and gynecology ultrasound imaging and procedures
- Use your own ultrasound system

Intrauterine Pregnancy Transvaginal Ultrasound Training Models

BPOB1200U Sh. wt. 22 lbs.

Ectopic Pregnancy Transvaginal Ultrasound Training Model

BPOB1210U Sh. wt. 22 lbs.

Combination IUP Ectopic Pregnancy Transvaginal Ultrasound Training Model

BPOB1227U Sh. wt. 22 lbs.

Transvaginal Sonohysterography and Sonosalpingography Ultrasound Training Model

BPOB1801U Sh. wt. 22 lbs.



Ultrasound Examination Training Model – US only

- Unique high-fidelity ultrasound phantom facilitates effective training in abdominal ultrasound scanning with your own clinical devices
- Simulated lesions embedded as targets provide wider educational opportunities

Features:

- Any ultrasound device with a convex probe can be used
- Detailed hepatobiliary, pancreatic, and other abdominal anatomy meet requirement for excellent training
- 8 Couinaud's hepatic segments can be localized

The phantom includes:

- Biliary tract (gallbladder, cystic duct, intrahepatic and extrahepatic bile ducts)
- Liver (segmental anatomy, portal and hepatic venous systems, ligamentum teres, and ligamentum venosum)
- Pancreas (pancreatic duct), spleen, kidneys, detailed vascular structures (aorta, vena cava, celiac artery and its branches, portal vein and its branches, superior mesenteric vessels, renal vessels, etc.)

Pathology includes:

- Gallbladder and bile duct stones
- Hepatic lesions (cystic and solid)
- Pancreatic tumors (1 invading the portal vein)
- Includes ultrasound phantom, tutorial manual DVD, 1 set of positioning pillows, talcum powder, and carry case
- 7 in. L x 10 in. W x 11 in. H

SB46533U Sh. wt. 50 lbs.

Vascular Access Ultrasound Phantom – US only

- Has tactile feel and puncture resistance of human tissue
- Curved contour is similar to contours on patients and shows the importance of transducer positioning
- Can be imaged and accessed from the top, side, or bottom surface (on the base or removed from case)
- Movement of soft tissue can be observed as needle tip is guided to vessel
- Successful accessing can be confirmed by visualization of needle tip in vessel and by blood return
- Contains 3 vessels
  - o Small superficial vessel
  - o Large deeply placed vessel
  - o Mid-sized vessel which bifurcates into 2 smaller vessels
- Can be accessed thousands of times, is self-healing, and is refillable
- Compatible with any ultrasound imaging system with appropriate transducer
- Comes pre-filled with stain-resistant simulated blood
- Includes 2-oz. (60 ml) bottle of simulated blood and a form-fitting case
- Phantom measurement in case: 8¼ in. x 5 3⁄16 in. x 1¾ in.
- Phantom measurement out of case: 7 in. x 4 in. x 1 5⁄16 in.
- NOTE: Use of any other type of blood can affect the image quality and will void product warranty
- 1-year warranty

SB52873U Light **SB52891U** Dark Sh. wt. 2.25 lbs.

Replacement Simulated Ultrasound Blood

SB52874U 8-oz. (237 ml). Sh. wt. 1.25 lbs.

Vascular Access Ultrasound Phantom skin tones available: Light Dark



Advanced Ultrasound Trainers



Blue Phantom™ Lumbar Puncture and Spinal Epidural – US only

- External landmarks at the iliac crests can be palpated to initially orient the user to the proper access points
- Palpation of the spinous processes provides additional landmarks
- Cerebral spinal fluid provides immediate feedback as to procedural complications
- Cerebral spinal fluid pressures can be easily increased in order to simulate pathological scenarios during lumbar puncture
- Ultrasound system can be used for identification of the optional insertion points, angle of needle insertion, and determination of the depth to the ligamentum flavum, epidural space, and spinal cistern
- Optional thoracic or cervical/upper thoracic spine insert allows users to practice thoracic or cervical epidural needle and catheter placements and shares the same superior performance and realism as the lumbar spine tissue insert
- Self-healing tissue saves you money by reducing the need for purchasing replacement parts
- 33-lb. (15 kg) model can be positioned in the upright or lateral decubitus position
- 17 in. L x 11 in. W x 17 in. H (43 cm x 28 cm x 43 cm)

BPLP2101U Sh. wt. 36 lbs.

*The thoracic tissue module and cervical tissue module are optional and available at an additional cost.



Blue Phantom™ MSK Knee Model – US only

- Training clinicians with ultrasound-guided or blind insertion of knee injections and aspirations associated with osteoarthritis and rheumatoid arthritis
- Use with any ultrasound system
- Self-healing tissue
- Anatomically correct — external landmarks were cast from a human knee while the internal anatomy is based on digital human files
- Knee model anatomy includes knee ligaments, distal femur bone, proximal tibia/fibula bone, patella, patellar bursa, quadriceps tendon, femur fat pad, quadriceps fat pad, percutaneous fat tissue, and suprapatellar space
- Adjustable volume in the bursa and suprapatellar space to simulate various injections and aspirations
- Easy to refill with ultrasound refill solution using QuickFill™ ports
- Model sits on platform with preset flex angle of 15° and the ability to flex an additional 10°
- No special storage needs
- Patented technology
- Includes 1 bottle of simulated clear refill solution
- Made in the U.S.A.

BPMSK1000U Sh. wt. 17 lbs.



Blue Phantom™ Select Series™ Models – US only

- Curved scanning surface contour that allows for a realistic scanning environment
- Larger scanning area
- Images and cannulates like real tissue
- Extremely durable: practice thousands of times
- Develop necessary hand-eye coordination skills on realistic tissue models
- No need for special handling, refrigeration, or special storage
- Patented technology

Sh. wt. 3.50 lbs.

Branched 2 Vessel Ultrasound Training Block
BPPI101U

Branched 4 Vessel Ultrasound Training Block
BPBV110U

Pediatric 4 Vessel Ultrasound Training Block
BPPI120U

Regional Anesthesia Ultrasound Training Block
BPNB150U

Foreign Body Identification Ultrasound Training Block
BPFB140U

Soft Tissue Biopsy Ultrasound Training Block
BPTM130U

Bone Fracture Ultrasound Training Block
BPBF200U



Life/form® Imaging Fracture Simulator

- Enhance hands-on training of identifying radiographic pathology with a tool that will encourage critical thinking skills
- Image a body part that will challenge the ability to create optimal images of a bone that demonstrates pathology common to the upper extremity
- Lifelike upper extremity is uniquely designed to permit the user access to the fracture site in which various fracture types can be easily interchanged
- Quickly visualize the difference between a spiral fracture and a splinter fracture within minutes of taking the radiographic exposures
- Rotate the arm easily to place the humerus in routine and special projections that are common to imaging with protocols
- Practice positioning skills, technical skills, and critical thinking skills while producing radiographic images
- Exposure techniques for the simulator are in line with techniques typical to an adult humerus
- Imaging concepts will become easy to understand as users see how changing the position, and/or projection of the X-ray beam, alters the perspective of the anatomy visualized
- 2 interchangeable fracture types (spiral and splinter)
- 5-year warranty

LF01210U Sh. wt. 5 lbs.



Nerve Block/Pain Relief Manikin

- Teaches correct needle placement in nerve blocks for pain management under X-ray image intensifier control
- Use knowledge of surface anatomy to identify the appropriate locations for various nerve blocks, the point of needle insertion, the angle of direction, and how to withdraw the needle and direct it to alter the angle
- Learn how to recognize contact with deep bony structures
- Practice radiological screening to ensure proper needle placement, including image orientation, identification of appropriate radiographic landmarks, and the end point of simulation to obtain the correct radiographic appearance
- Practice employing the following nerve blocks:
  - Coeliac nerve block
  - Cervical facet joint injection
  - Cervical, thoracic, and lumbar facet joint injection
  - Radio frequency denervation of posterior primary ramus
  - Epidural injections at all spinal levels
  - Lumbar sympathetic block
  - Sacroiliac joint injection
  - Splanchnic nerve block
  - Superior hypogastric nerve block
  - Trigeminal ganglion block or radio frequency needle placement
- Manikin consists of a specially coated plastic human skeleton; head covered in artificial skin; and flesh-colored, fabric-covered torso
- Low X-ray density of the manikin reduces the doses of radiation used during simulated procedures
- Includes 38½ in. L x 17¾ in. W x 13¾ in. H manikin, 4-minute DVD and leaflet illustrating the use of the manikin, and a rigid carrying case
- 2-year warranty

SB38908U Sh. wt. 24 lbs.



Gaumard® Breast Phantom Simulator

- Left and right breasts attach to adult upper torso
- Left breast permits ultrasound identification of cysts versus dense masses, while the right breast permits identification of cysts of different sizes and depths
- Breasts easily removed and assembled
- Cysts used to teach ultrasound-guided needle aspiration
- Dense masses used for ultrasound-guided needle biopsies
- Left breast contains 6 dense masses and 3 cysts randomly oriented
- Realistic texture and look
- Right breast contains 10 cysts of different sizes and depths
- Self-healing skin
- Use in either the upright or reclining position
- Visualize cysts and masses using REAL ultrasound equipment
- Includes instruction manual and soft carry bag

Sh. wt. 14 lbs.

SB48847(L)U Light **SB48847(M)U** Medium **SB48847(D)U** Dark

Gaumard® skin tones available: Light Medium Dark



LapAR™

Democratizing high fidelity surgical – US only

LapAR™ by Inovus Medical represents a true 'Model T Moment' in healthcare simulation. Patent pending Augmented Reality (AR) technology, combined with the Inovus box trainer model makes the LapAR™ the world's first affordable and accessible high fidelity laparoscopic simulator. The LapAR™ represents a paradigm shift in haptic realism utilizing real feel soft tissue models and real laparoscopic instruments to provide unparalleled functionality.

The simulator will allow surgeons to practice a range of procedures across the specialities of general surgery and gynaecology. Instrument tracking technology enables capture of instrument handling and performance metrics with performance data displayed in an online portfolio.

LapAR™ Simulators – US only

LapAR™ is the world's first 'high fidelity laparoscopic box trainer', bringing together the realism of expensive VR and the affordability of box trainer simulation, truly democratising access to high fidelity laparoscopic simulation and pre-operative warm up.

Key features of LapAR™

- Close to life haptic feedback through synthetic soft tissue models
- Realistic digital anatomy fully integrated with soft tissue models for immersive training
- Full procedure simulation across general (including paediatric) surgery and gynaecology
- Trigger and manage intraoperative complications and track decision making
- Performance tracking and feedback on validated curricula such as the LapPass®
- Marker free, 3-dimensional instrument tracking producing high quality objective feedback on the key metrics of surgical performance
- Online portfolio allows surgeons to record and review their training progress

The Independent health economics studies have shown LapAR™ can save healthcare systems >$115 million per year through operative efficiencies and reduced complication rates when integrated into training programs.



LapAR™ – US only

The Institutional version of LapAR™ offers educational and training institutions the opportunity to deliver high fidelity, fully tracked laparoscopic simulation at a scale never before possible. The sleek, compact trolley system meets all laparoscopic training requirements from delivering basic, intermediate and advanced laparoscopic skills courses in simulation centers through to pre-operative warm up in the clinical setting. Unlimited user licenses mean there is no limit to the number of surgeons that can be trained with LapAR™ Pro.

Included in Package:

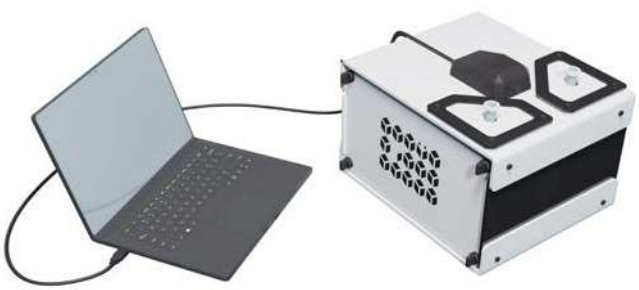
- LapAR™ Box trainer with integrated 1080p USB camera
- Model mounting jig and abdominal wall skin
- 5x laparoscopic instruments: Maryland, Johans, Scissors, Needle Holder (x2)
- 1x LapPass® Kit
- 30x medical models
- Mobile trolley system with adjustable operating height
- Integrated computer with LapAR™ software pre-installed
- 15 in. touch screen monitor
- Monitor mounting system – can be converted to table top mounting
- Unlimited user licenses
- Admin access to Inovus online training portal

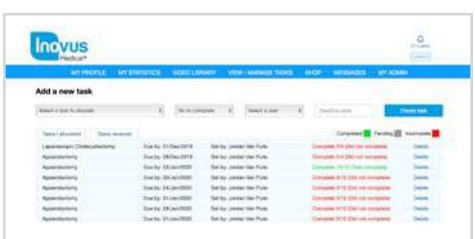
IN0-LAPAR-02 Sh. wt. 165 lbs.

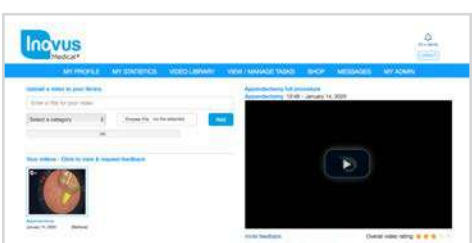
LapAR™ – Take Home – US only

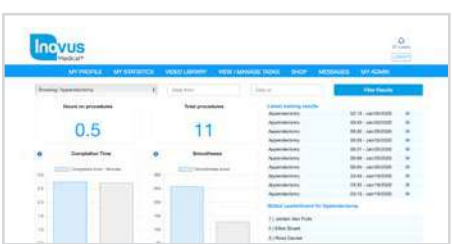
- The take home version of the LapAR™ serves an emerging demand for tracked distance learning in laparoscopic simulation. The simulator allows the user to perform simulated full surgical procedures as well as basic skills tasks by connecting the simulator to their PC or laptop. Performance data is captured and displayed in the online portfolio and can be downloaded and added to surgical training portfolios and logbooks.
- LapAR™– Take Home
- LapAR™ Box trainer with integrated 1080p USB camera
- Model mounting jig and abdominal wall skin
- 4x laparoscopic instruments: Maryland, Johans, Scissors, Needle Holder
- 1x LapPass® Kit
- 5x Medical models
- 3 months single user license for LapAR™ software and online portfolio

IN0-LAPAR-01 Sh. wt. 11 lbs.









bozzini® Laparoscopic Simulator - Institutional – US only

The bozzini® Laparoscopic Simulator by Inovus Medical is the world's first 'simulated laparoscopic stack system', offering real to life laparoscope and camera handling simulation at a fraction of the cost of using a retired or repurposed stack system. This high-fidelity simulator utilizes the proprietary bozzini® light source and camera technology to deliver a full stack system experience through an affordable, compact, table top device.



The bozzini® light source is USB powered and, as with the camera system, connects directly to the monitor supplied, removing the need for multiple power outputs and bulky camera/light source units. The simulator comes with a flat pack laparoscopic box trainer meaning the entire system can be packed away into an easy to store carry case. The box trainer has multiple camera and instrument entry ports. It comes with the proprietary trocar insertion pad, as seen on the pyxus® Pro Move, allowing close to life port insertion under camera view as well as advanced laparoscopic skills training.

The box trainer supplied with the system is perfect for use with Inovus Medical's range of synthetic soft tissue models and can also be used with animal by product. The design allows for easy cleaning following animal by product use. The box trainer can also be substituted for a cadaver or animal model making the bozzini® Laparoscopic Simulator the perfect system for running high fidelity wetlab courses.

This package includes:

- 1x 10 mm laparoscope
- 1x bozzini light source
- 1x fibreoptic light lead
- 1x camera unit
- 1x 15 in. monitor
- 1x monitor stand
- 1x 10 mm trocar
- 2x 5 mm trocars
- 1x ratcheted Johans
- 4 laparoscopic instruments: 1x needle, holder, 1x scissors, 1x Maryland
- 1x box trainer with trocar insertion pad
- 1x scope bracket for fixing laparoscope

INO-BOZ-LAP Sh. wt. 25 lbs.



bozzini® Hysteroscopy Simulator – US only

The bozzini® Hysteroscopy Simulator is a simulated 'full stack system' that provides the closest to life experience for training hysteroscopic skills. The simulator is supplied with a standard 4mm hysteroscope, two hysteroscopic instruments, a HD camera system and 15 in. monitor and monitor stand. The compact table top design makes it the perfect system for use in simulation centers, doctors offices or as a mobile training solution. The camera and hysteroscope are powered by the bozzini® light system. The bozzini® light system really does put the "key" into this turnkey simulator allowing simulated endoscopic procedures to be performed with real endoscopic devices at an affordable price.

Included in the package:

- Hysteroscopy base unit to position uterus
- Clamp for fixing base unit
- 2x Non-pathological Uterus – also used for interchangeable polyps and
- adhesions
- 1x Uterus with submucosal fibroid/cancer lesion
- 50x Polyps
- 3 Metres of adhesions
- 1x 4mm, 30° or 0° Hysteroscope
- 1x Hysteroscope introducer
- 1x Hysteroscopic grasping forceps
- 1x Hysteroscopic scissors
- 1x Camera unit
- 1x bozzini® light source
- 1x Light lead
- 1x 15 in. Monitor
- 1x Monitor stand

INO-BOZ-HYST Sh. wt. 25 lbs.

Sellick™ The Cricoid Pressure Trainer – US only

- Learn, practice, retain, and reproduce the correct technique for effective cricoid pressures
- Anatomically correct neck section with thyroid cartilage, cricoid cartilage, and proximal trachea, all covered by a simulated skin
- Pressure transfer system connects the neck section to the base of the simulator and realistically "gives" as the cricoid is depressed under pressure
- Backlit LED interface displays real-time cricoid pressures in Newtons up to a maximum of 35 Newtons
- Integrated timer starts and stops on application of pressure
- Red flashing LED system alerts to cricoid pressures above 35 Newtons
- Blue LED system indicates lateral pressures above 10 Newtons
- Lightweight compact design is easy to set up and store
- No batteries required — powered through USB or mains power
- 1-year warranty

101-0395U Sh. wt. 2.50 lbs.



BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+ YEARS

Nasco HEALTHCARE



NURSING & PATIENT CARE

TERi™, GERi™, KERi™ & DANi Manikins..... N-2 – N-9
Infant & Pediatric Care Simulators..... N-10 – N-13
Adult Nursing Skills..... N-14 – N-16
Heart & Lung Sounds..... N-17 – N-21
Blood Pressure Simulation..... N-22
Catheter..... N-23 – N-26
Enema & Rectal Examination..... N-27
Ostomy Care..... N-28 – N-30
Bandaging..... N-30
Edema Training..... N-31 – N-32
Wound Care..... N-33 – N-37
Skin Cancer Care..... N-37
Respiratory, NG Tube & Trach Care..... N-38 – N-39
Breast Examination..... N-40 – N-42
Testicular Examination..... N-42

Be READY



TERi™ Androgynous Geriatric Trainer



	Feature Set Capability	Patient Care Trainer	Patient Skills Trainer	Auscultation Patient Skills Trainer	Patient Simulator
General	Superior range of motion	✓	✓	✓	✓
	Enhanced full body aesthetics	✓	✓	✓	✓
	Lightweight: 50 lbs.	✓	✓	✓	✓
	Pupils	✓	✓	✓	✓
	Male and female	✓	✓	✓	✓
	Soft male and female genitalia	✓	✓	✓	✓
Skin Care	Normal and cancerous moles	✓	✓	✓	✓
	Stage 1 sacral ulcer	✓	✓	✓	✓
	Reddened skin folds	✓	✓	✓	✓
	Bandaging and wound dressing	✓	✓	✓	✓
Movement Assistance, Fall Prevention and Care	Patient positioning	✓	✓	✓	✓
Bathing	Clothing changes	✓	✓	✓	✓
	Bed baths	✓	✓	✓	✓
Grooming & Daily Living Assistance	Eye irrigation and optic drops	✓	✓	✓	✓
	Dental care	✓	✓	✓	✓
	Ear canal irrigation	✓	✓	✓	✓
	Hearing aid	✓	✓	✓	✓
	Hair care	✓	✓	✓	✓
Nursing Care	Pericare	✓	✓	✓	✓
	Ostomy care	✓	✓	✓	✓
	Urinary catheter care	✓	✓	✓	✓
	Stomas	✓	✓	✓	✓
	Standard arms with injection sites	✓	✓	✓	✓
	Support for oxygen administration	✓	✓	✓	✓
	Left blood pressure arm (with radial pulse)	Option*	✓	✓	✓
Advanced Skills	Injections sites	Option*	✓	✓	✓
	Gastrostomy procedures		✓	✓	✓
	Nasogastric tube procedures		✓	✓	✓
	Respiratory support: tracheostomy care, airway/trach suctioning		✓	✓	✓
	Urinary catheterization		✓	✓	✓
	Enema administration (female)		✓	✓	✓
	Pap smears (female)		✓	✓	✓
	Pelvic examination (female)		✓	✓	✓
	Prostate examination (male)		✓	✓	✓
	Right IV arm trainer	Option*	✓	✓	✓
	IV arm circulation pump	Option*	Option*	Option*	Option*
	Foot Assessment, Wound Care and Edema		✓	✓	✓
ACLS/BLS	CPR with quality performance metrics		✓	✓	✓
	Carotid pulse		✓	✓	✓
	Articulating jaw	✓	✓	✓	✓
	Intubation		✓	✓	✓
	Ventilation		✓	✓	✓
Advanced Nursing ACLS/BLS	Auscultation (heart and lung sounds)			✓	✓
Monitoring & Therapeutics	Patient vital signs and monitored signals	Option[1]	Option[2,3]	Option[2,3]	✓[3]

TERi™ Androgynous Geriatric Trainer



Nasogastric Tube Procedures[2-4]
Placement, Lavage, Gavage, Feeding and Suctioning



Intravenous, Injection, Subcutaneous Injection Sites[2-4, optional on 1]
Multiple Locations Equipped with Standard Arm IM Injection Pads

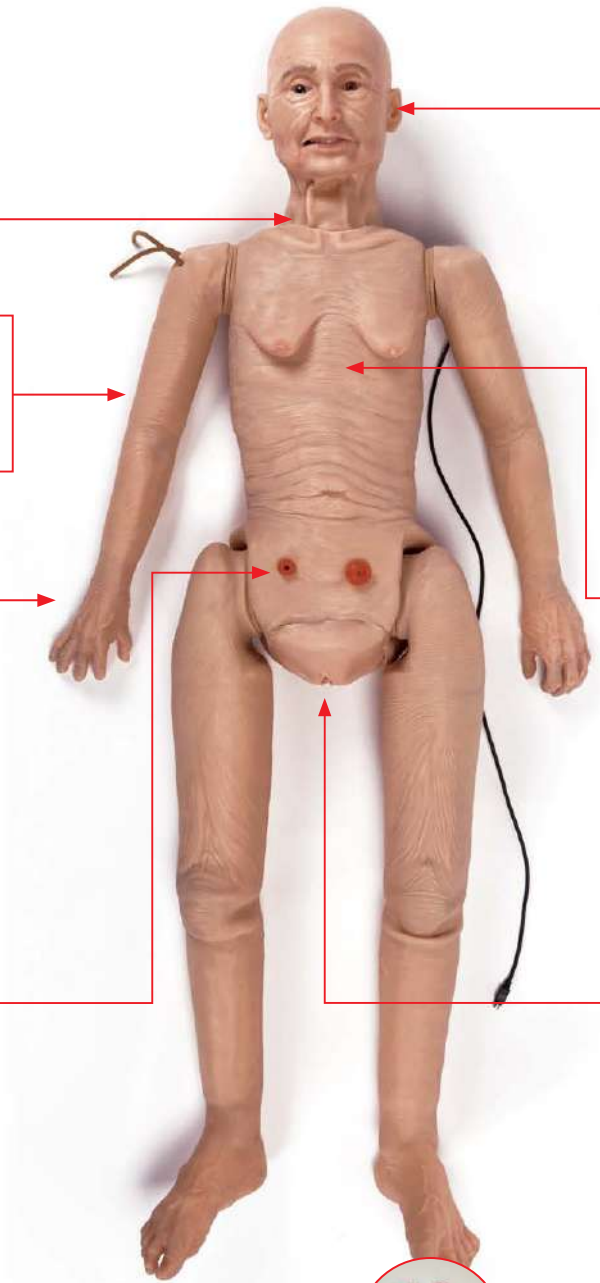


PROM: Passive Range of Motion[1-4]
Seating, Laying, Finger/Toe Manipulation with No Effort from Patient

Cardiovascular Support[2-4]
Carotid Pulses, CPR with Quality Performance Metrics & Auscultation

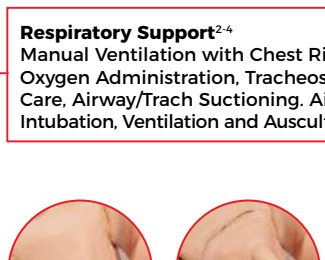


Enhanced Aesthetics[1-4]
Soft Silicone Skin with Noticeable Normal and Cancerous Skin Moles, Stage 1 Sacral Ulcer and Reddened Skin Folds





Grooming & Daily Living Assistance[1-4]
Bathing, Clothing Changes, Denture Placement/Removal, Hearing Aid Placement/Removal, Eye Irrigation & Optic Drops, Ostomy & Urinary Catheter Care, Hair Care



Respiratory Support[2-4]
Manual Ventilation with Chest Rise, Oxygen Administration, Tracheostomy Care, Airway/Trach Suctioning. Airway Intubation, Ventilation and Auscultation



Indwelling Male & Female Urinary Catheterization[2-4]
Includes Support for Urethral and Suprapubic Catheters

Advanced Skills[2-4]
Urinary Catheterization, Enema Administration, Pelvic and Prostate Examination



Seven cervical conditions are included: 1.) normal, 2.) early pregnancy, 3.) polyp, 4.) early cancer, 5.) late cancer, 6.) inflammation, and 7.) dysplasia



There are five prostates included with your simulator. 1.) normal size, 2.) normal size with hard nodule, 3.) enlarged on one side, 4.) enlarged across the midway with hard nodule, and 5.) enlarged with hard irregular surface early cancer, 5.) late cancer

Available in light or medium skin tones.



TERi™ Androgynous Geriatric Trainer

A full-body elderly patient care trainer configurable in male or female variations for medical simulation. Evolving from our GERi™/KERi™ manikins, TERi™ has a more realistic look and feel to represent human anatomy, with weight distributed to represent a real patient for lifting and carrying. Height is 5 feet.

Each version is affordable and durable with upgradable items.

1. **Patient Care Trainer** – General patient care, daily living assistance simulation platform.
2. **Patient Skills Trainer** – Physical skills practice simulation platform with injection/IV, catheterization, cardiovascular and respiratory support.
3. **Auscultation Patient Skills Trainer** – Same features as Patient Skills Trainer with added auscultation. Lung sounds at 5 anterior, 10 posterior, and 2 midaxillary locations. Six anterior heart sites.
4. **Patient Simulator** – Comprehensive and complete simulation platform including patient monitoring capability.

Patient Care Trainer	Patient Skills Trainer	Auscultation Patient Skills Trainer	Patient Simulator
LF04300 Light. Sh. wt. 66 lbs.	**LF04301** Light. Sh. wt. 74 lbs.	**LF04299** Light. Sh. wt. 74 lbs.	**LF04302** Light. Sh. wt. 108 lbs.
LF04300M Medium. Sh. wt. 66 lbs.	**LF04301M** Medium. Sh. wt. 74 lbs.	**LF04299M** Medium. Sh. wt. 74 lbs.	**LF04302M** Medium. Sh. wt. 108 lbs.

This manikin is intended to be used as an instructional aide for teaching purposes. Actual product may vary slightly from photo. Nasco Healthcare reserves the right to change product color, materials, supplies, or function as needed.

GERi™ & KERi™ Manikins

Realistic Patient Positioning, Flexibility, & Superior Range of Motion

- No other manikin features movements as natural as the **GERi™** or **KERi™** for patient positioning, range of motion, and patient flexibility
  - o Ankle – Eversion, Inversion, Dorsiflexion, Plantarflexion
  - o Elbow – Extension, Flexion, Pronation, Supination
  - o Fingers – Abduction, Adduction, Flexion (soft, lifelike material)
  - o Hip – Abduction, Adduction, Rotation, Hyperextension
  - o Knee – Extension, Flexion
  - o Neck – Rotation, Hyperextension, Lateral Flexion
  - o Shoulder – Abduction, Adduction, Rotation, Hyperextension
  - o Toes – Abduction, Adduction, Flexion (soft, lifelike material)
  - o Trunk – Rotation, Hyperextension
  - o Wrist – Flexion, Hyperextension, Radial Flexion, Ulnar Flexion
- All major joints have natural movement to provide realistic practice of patient handling
- Hands and feet are made of soft, flexible ***Life/form***® material for added realism



- **GERi™** has an elderly appearance with skin wrinkles and folds
- **KERi™** has a non-age-specific appearance
- Complete lifelike range of motion, realistic patient positioning and non-pinching joints — moves like a person
- Lightweight — approximately 28 lbs.
- Full-size adult manikin — 58 in.
- Overall female appearance
- Converts to male with removal of wig and attachment of male genitals
- Ideal for OBRA Required Training
- ***Life/form***® 5-year warranty

Visual Inspection:

- Normal and cancerous mole
- Stage 1 sacral ulcer
- Dilated and constricted pupils
- Reddened skin folds

Patient Care Simulation:

- Bandaging and wound dressing
- Bed baths
- Clothing changes
- Denture placement and removal — upper and lower
- Ear canal irrigation, otic drops, and hearing aid placement
- Eye irrigation
- Finger and toe manipulation with bandaging — flexible and individually molded
- Hair care washing and combing
- Pap Smears and douching
- Prostate Exam - Stage B
- Urinary Catheterization-female and uncircumsised male
- Intramuscular injection sites — arm, thigh, buttock
- Oral and nasal hygiene — lavage, gavage, and suctioning
- Ostomy care — ileostomy and colostomy tissue maintenance and appliance application, lavage, and suctioning
- Patient positioning
- Patient transfer techniques
- Peri care
- Tracheostomy care – lavage and suctioning and uncircumcised male
- Enema Administration
- Gastrostomy procedures -lavage and gavage
- Internal Fluid Res

Life/form® GERi™ and KERi™ Manikins

Sh. wt. 37 lbs.

LF04001U GERi™ with Light Skin
LF04116U GERi™ with Medium Skin
LF04020U KERi™ with Light Skin
LF04121U KERi™ with Medium Skin

Life/form® GERi™ and KERi™ Auscultation Manikins

- Includes all of the main features of the Basic and Complete **GERi™** and **KERi™** manikins with the addition of:

Auscultation Sites with Heart and Lung Sounds:

- Heart Sites – 6 anterior locations with 12 heart conditions
- Lung Sites – 5 Anterior, 6 upper posterior, 4 lower posterior, and 2 midaxillary locations with 16 lung conditions

Heart Conditions:

- Aortic Regurgitation, Atrial Septal Defect, Holosystolic, Mid-systolic, Mitral Stenosis, Normal, PDA, Pulmonary Stenosis, S3 Gallop, S4 Gallop, Systolic Click, and VSD

Lung Conditions:

- Bronchial, Bronchovesicular, Cavernous, Coarse Crackle, Egophony, Fine Crackle, Friction Rub, Infant, Mono Wheeze, Normal, Pectoriloquy, Pulmonary Edema, Rhonchi, Stridor, Vesicular, and Wheeze
- Simulates over 35 nursing and medical procedures
- 5-year warranty

Sh. wt. 40 lbs.

LF04003U GERi™ with Light Skin
LF04118U GERi™ with Medium Skin
LF04023U KERi™ with Light Skin
LF04123U KERi™ with Medium Skin



feel the various stages of edema





Life/form® GERi™ and KERi™ Optional Edema Foot with Deep Tissue Injury

- Add realism while practicing patient assessment skills, including observation of swelling of the foot
- Edema simulation can be practiced by pressing on the surface of the skin
- The foot uses lifelike simulated tissue pads to demonstrate Stages 1+ through 4+, as well as a non-pitting stage of edema known as brawny edema
- Pressing on the surface of the skin may leave an indentation that does not immediately rebound when pressure is released, or it may not indent under pressure, depending on which tissue pad is placed in the foot
- A deep tissue injury is also present on the heel
- Includes a foot that easily attaches to any **GERi™** or **KERi™** Patient Care Manikin, 5 interchangeable pads representing 1 non-pitting stage and 4 pitting stages of edema, and an instruction key card
- 5-year warranty

LF04084U Light **LF04129U** Medium Sh. wt. 6.50 lbs.

Edema Stages 1-4



1+ Mild pitting



3+ Deep pitting



2+ Moderate pitting



4+ Very deep pitting



Life/form® GERi™ and KERi™ Optional Pressure Injury Foot

- Optional pressure injury foot will add wound care realism to instruction on the care and cleaning of pressure ulcers at various stages
- Pressure ulcers are more likely to appear on pressure points such as heels, tips of toes, between toes, or anywhere the bones may protrude and rub against socks, shoes, or bed sheets
- Pressure injury foot contains all 4 severities of stages 1-4
- Easily attaches to any **GERi™** or **KERi™** manikin and includes an instruction key card
- 5-year warranty

LF04041U Light **LF04128U** Medium Sh. wt. 2.50 lbs.



Life/form® GERi™ and KERi™ Optional IV Arm

- Right IV Training Arm with a shoulder intramuscular injection site featuring replaceable skin and veins that roll when palpated, realistic flashback confirms proper needle placement. Features replaceable skins and latex veins that actually roll when palpated. A realistic flashback confirms proper needle placement, and the shoulder can be used for intramuscular injection training.
- The internal vascular structure begins at the shoulder and continues under the arm, crosses the antecubital fossa forearm, makes a loop in the back of the hand.
- This vascular structure has inlet and outlet tubing at the shoulder. It is via these tubes that synthetic blood is infiltrated, thus allowing practice in techniques of blood drawing and starting intravenous infusions.
- Easily attaches to any **GERi™** or **KERi™** manikin and includes an instruction key card
- 5-year warranty

LF04080U Light **LF04125U** Medium Sh. wt. 2.50 lbs.



Life/form® GERi™ and KERi™ Optional Blood Pressure Arm

Left Blood Pressure Training Arm that reproduces all five Korotkoff sounds and allows the instructor to vary systolic and diastolic levels, pulse rate, volume, and auscultatory gap

- The systolic and diastolic pressures can be set anywhere from 0-300 mmHg.
- Display using a familiar BP cuff format for more realism for students
- Easily attaches to any **GERi™** or **KERi™** manikin and includes an instruction key card
- 5-year warranty

LF04079U Light **LF04127U** Medium Sh. wt. 2.50 lbs.

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80+ YEARS

Nasco HEALTHCARE



GERi™ & KERi™ Manikin Supplies



Cat. No.	Description	Sh. wt.
LF04069(N)U	Ankle	0.69 lbs.
LF04091(N)U	Arm, Complete Right	3.50 lbs.
LF04092(N)U	Arm, Complete Left	3.50 lbs.
LF04056(N)U	Arm, Upper	2.25 lbs.
LF04095U	Bladder Reservoir	0.19 lbs.
LF04097U	Bladder Reservoir Sleeve	0.02 lbs.
LF00845U	Blood, Quart	0.38 lbs.
LF00846U	Blood, Gallon	0.88 lbs.
LF04079U	Blood Pressure Arm, Left, Light	11 lbs.
LF04127U	Blood Pressure Arm, Left, Medium	13 lbs.
LF03351U	Blood Pressure Arm Hinge Replacement	0.38 lbs.
LF01073U	Blood Pressure Cuff, Replacement	1.25 lbs.
LF04096U	Enema Reservoir Bag Replacement	0.04 lbs.
LF01130U	Fluid Supply Bag, 500 ml	0.31 lbs.
LF01022U	Fluid Supply Stand, 5 in. x 8 in. (13 x 20 cm) base, 5/16 in. steel hooked rod	4 lbs.
LF01127U	Foley Catheter, 16 FR, 5 cc, each	0.25 lbs.
LF01128U	Foley Catheter, 16 FR, 5 cc, pkg. of 10	0.63 lbs.
LF04046(N)U	Foot, Right	1.75 lbs.
LF04045(N)U	Foot, Left	1.75 lbs.
LF04109U	Genitalia (Basic), Male	0.69 lbs.
LF04110U	Genitalia (Basic), Female	0.69 lbs.
LF04075(N)U	Genitalia (Complete, Advanced, & Auscultation), Male	4.25 lbs.
LF04076(N)U	Genitalia (Complete, Advanced, & Auscultation), Female	4.25 lbs.
LF04072U	Hardware Replacement Set	0.38 lbs.
LF04088(N)U	Head, **GERi™**	3.50 lbs.
LF04083(N)U	Head, **KERi™**	4.50 lbs.
LF04057(N)U	Elbow	1.25 lbs.
LF04058(N)U	Forearm	0.31 lbs.
LF04078(N)U	Hand, Right	0.75 lbs.

Cat. No.	Description	Sh. wt.
LF04061(N)U	Hip	1.25 lbs.
LF04053(N)U	Hip Injection Site for **GERi™**	0.63 lbs.
LF04082(N)U	Hip Injection Site for **KERi™**	0.69 lbs.
LF04060(N)U	Hip Joint, Left	0.50 lbs.
LF04065(N)U	Hip Joint, Right	0.50 lbs.
LF04080U	IV Arm, Right, Light	12 lbs.
LF04125U	IV Arm, Right, Medium	15 lbs.
LF04081U	IV Skin & Vein Replacement Kit, Light	1.50 lbs.
LF04126U	IV Skin & Vein Replacement Kit, Medium	1.75 lbs.
LF04093(N)U	Leg, Complete Right	8 lbs.
LF04094(N)U	Leg, Complete Left	5.50 lbs.
LF04052(N)U	Leg Injection Site	0.69 lbs.
LF04067(N)U	Leg, Lower	1.25 lbs.
LF04062(N)U	Leg, Upper Left	1.50 lbs.
LF04066(N)U	Leg, Upper Right	2.25 lbs.
LF00985U	Lubricant Kit, 2-oz. bottles, pkg. of 6	0.88 lbs.
LF09919U	Nasco Cleaner, 12-oz. bottle	0.88 lbs.
LF04051(N)U	Shoulder Injection Site	0.25 lbs.
LF04055(N)U	Shoulder, Left	0.50 lbs.
LF04064(N)U	Shoulder, Right	0.50 lbs.
LF04063(N)U	Shoulder Joint, Right	0.31 lbs.
LF01189U	Speaker System for BP Arm and Auscultation Manikin, 110V AC	10 lbs.
LF04089U	Stoma Set	0.31 lbs.
LF04098U	Stomach Bag Replacement	0.06 lbs.
LF04048(N)U	Torso, Lower, **GERi™**	5.50 lbs.
LF04073(N)U	Torso, Lower, **KERi™**	5 lbs.
LF04047(N)U	Torso, Upper, **GERi™**	5 lbs.
LF04070(N)U	Torso, Upper, **KERi™**	4.25 lbs.
LF04059(N)U	Wrist	0.19 lbs.

DANi Teen & Young Adult Advanced Training Solution

DANi Teen & Young Adult Advanced Training Solution

Evolving from our popular KERi™ manikin, DANi is an advanced training solution simulating a teen/young adult patient with enhanced aesthetics for added realism. DANi features superior range of motion, with weight distributed to accurately represent a real patient for lifting and carrying techniques. A realistic, hands-on learning experience that is ideally suited for classroom, in-situ, or hospital instruction.

1. **Patient Care Trainer** – General patient care, patient positioning, bandaging, wound dressing, oxygen administration.
2. **Patient Skills Trainer** – Respiratory support, injection/IV with IM pads, intubation, CPR with quality performance metrics, non-invasive blood pressure, enema administration (female), catheterization, vaginal, pelvic and prostate examinations.
3. **Auscultation Patient Skills Trainer** – All the features of Patient Skills Trainer with added auscultation. Lung sounds at five anterior, ten posterior, and two midaxillary locations. Six anterior heart sites.
4. **Patient Simulator** – Comprehensive and complete simulation platform including patient monitoring capability and auscultation (heart and lung sounds).

Patient Care Trainer

LF04500 Light. Sh. wt. 80 lbs.

LF04500M Medium. Sh. wt. 80 lbs.

Patient Skills Trainer

LF04502 Light. Sh. wt. 80 lbs.

LF04502M Medium. Sh. wt. 80 lbs.

Auscultation Patient Skills Trainer

LF04503 Light. Sh. wt. 80 lbs.

LF04503M Medium. Sh. wt. 80 lbs.

Patient Simulator (currently unavailable)

LF04504 Light. Sh. wt. 80 lbs.

LF04504M Medium. Sh. wt. 80 lbs.

Trauma Simulation[1-4]
Physical assessment, airway, breathing, circulation, body trauma scan, wound care, self-harm/drug use moulage, asymmetric pupils.

Realistic Features[1-4]
Pupils, airway, acne, smooth skin, tattoo sleeve, piercings & earrings, dyed and black wigs, foot wounds.

Nursing Care[1-4]
Grooming, daily living assistance, eye/ear/hair care, catheter, injection, oxygen, blood pressure, pericare, ostomy care, urinary catheter care, oxygen administration.

Respiratory Support[2-4]
Manual ventilation with chest rise, respiratory support, intubation, ventilation, tracheostomy care & suctioning.

Auscultation[3,4]
6 anterior heart sites with 12 heart conditions. 5 anterior, 6 upper posterior, 4 lower posterior, 2 midaxillary lung sites with 12 lung conditions.

Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS)[2-4]
CPR with quality performance metrics, carotid pulse, intubation.

Advanced Skills[2-4]
Gastrostomy, nasogastric procedures, airway/trach suctioning, enema, pap smear, pelvic exam, intravenous injections.

Female & Male Genitalia Inserts[1-4]
Includes female sexual assault genitalia insert.

Patient Positioning[1-4]
Superior range of motion, seating, laying, finger and toe manipulation.





Configurable to fit unique training needs and budgets with a range of accessories available to maximize versatility.

Each version is affordable and durable with upgradable items.

This manikin is intended to be used as an instructional aide for teaching purposes. Actual product may vary slightly from photo. Nasco Healthcare reserves the right to change product color, materials, supplies, or function as needed.

DANi Teen & Young Adult Advanced Training Solution

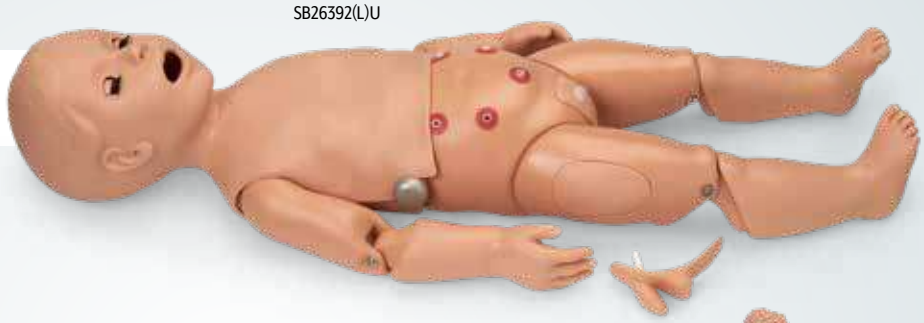


Feature Set Capability / Model	LF04500/M Patient Care Trainer	LF04502/M Patient Skills Trainer	LF04503/M Auscultation Patient Skills Trainer	LF04504/EX/M/MX Patient Simulator (currently unavailable)
General				
Superior Range of Motion	✔	✔	✔	✔
Enhanced Aesthetics	✔	✔	✔	✔
Multiple Skin Tones	✔	✔	✔	✔
Lightweight: 50lbs	✔	✔	✔	✔
Pupils	✔	✔	✔	✔
Acne	✔	✔	✔	✔
Gender	✔	✔	✔	✔
Soft Female & Male Genitalia	✔	✔	✔	✔
Skin Care				
Normal and Cancerous Moles	✔	✔	✔	✔
Stage 1 Sacral Ulcer	✔	✔	✔	✔
Bandaging and Wound Dressing	✔	✔	✔	✔
Movement Assistance, Fall Prevention and Care				
Patient Positioning	✔	✔	✔	✔
Bathing				
Clothing Changes	✔	✔	✔	✔
Bed Baths	✔	✔	✔	✔
Grooming & Daily Living Assistance				
Eye Irrigation & Optic Drops	✔	✔	✔	✔
Dental Care	✔	✔	✔	✔
Ear Canal Irrigation	✔	✔	✔	✔
Hair Care	✔	✔	✔	✔
Nursing Care				
Pericare	✔	✔	✔	✔
Ostomy Care	✔	✔	✔	✔
Urinary Catheter Care	✔ No aux equipment	✔	✔	✔
Stomas	✔	✔	✔	✔
Standard Arms with Injection Sites	✔	✔	✔	✔
Support for Oxygen Administration	✔	✔	✔	✔
Left Blood Pressure Arm	Option	✔	✔	✔
Advanced Skills				
Injections Sites		✔	✔	✔
Gastrostomy Procedures		✔	✔	✔
Nasogastric Tube Procedures		✔	✔	✔
Respiratory Support: Tracheostomy Care, Airway/Trach Suctioning		✔	✔	✔
Urinary Catheterization		✔	✔	✔
Enema Administration (Female)		✔	✔	✔
Pap Smears (Female)		✔	✔	✔
Pelvic Examination (Female)		✔	✔	✔
Prostate Examination (Male)		✔	✔	✔
Right IV Arm Trainer	Option	✔	✔	✔
Vaginal Sexual Assault Evidence Collection	✔	✔	✔	✔
Foot Wound Care		✔	✔	✔
ACLS/BLS				
CPR with Quality Performance Metrics		✔	✔	✔
Carotid Pulse		✔	✔	✔
Articulating jaw	✔	✔	✔	✔
Intubation		✔	✔	✔
Advanced Nursing ACLS/BLS				
Auscultation (Heart & Lung Sounds)			✔	✔
Monitoring & Therapeutics				
Patient Vital Signs & Monitored Signals				✔
Accessories				
Sexual Assault Female Genitalia	✔ No aux equipment	✔	✔	✔
Short Black Wig/Long Brown Wig	✔	✔	✔	✔
Dyed Hair Wig	✔	✔	✔	✔
Drug Use Moulage	✔	✔	✔	✔
Self Harm Moulage	✔	✔	✔	✔
Piercings	✔	✔	✔	✔
Tattoo Sleeve	✔	✔	✔	✔

Infant & Pediatric Care Simulators

master appropriate care techniques for younger children

SB26392(L)U





SB22746(L)U

Gaumard® Mike® and Michelle® Pediatric Care Simulators

- Realistic face, body, and fully jointed elbows, wrists, knees, and ankles
- Bathing and bandaging activities
- Feature soft, childlike face skin; self-molded hair; eyes open and close in realistic eye sockets for ophthalmic procedures; fully articulated head and jaw with teeth and tongue; NG and otic exercises; bends 30° at waist; jointed elbows and knees; realistic hands, feet, fingers, and toes; soft upper body skin over hard upper body; intramuscular injection sites in left and right upper thighs; TB test site; interchangeable male organ; tracheostomy opening; male and female catheterization; removable internal tanks; enema administration; and neck brace

Gaumard® skin tones available: Light Medium Dark

1-Year-Old Pediatric Care Simulator

- Comes with a T-shirt and shorts
- Includes an instruction manual and a soft nylon carry bag
- 32 in. long

Sh. wt. 13 lbs.

SB26392(L)U Light
SB26392(M)U Medium
SB26392(D)U Dark

5-Year-Old Pediatric Care Simulator

- Comes with a T-shirt and shorts
- Fully jointed wrists and ankles
- Comes with nylon carry bag
- 44 in. long

Sh. wt. 23 lbs.

SB22746(L)U Light
SB22746(M)U Medium
SB22746(D)U Dark

Gaumard® Multipurpose Patient Care and CPR Pediatric Simulators

- Realistic simulator for student practice of pediatric patient care
- Features include articulating head, jaw, arms, and legs; eye irrigation; oral, nasal, and digital intubation; place OP/NP tubes; right/left main stem bronchi; place nasal and oral gastric tubes; suctioning; BVM; chest compression/rise; lavage/gavage; G-tube placement; stomas for ileostomy, colostomy, and suprapubic exercises; intraosseous infusion; IV arm with variable, palpable pulses; and placement of rectal suppositories



1-Year-Old Manikin

Sh. wt. 22 lbs.

SB32866(L)U Light
SB32866(M)U Medium
SB32866(D)U Dark

5-Year-Old Manikin

Sh. wt. 29 lbs.

SB32865(L)U Light
SB32865(M)U Medium
SB32865(D)U Dark

Gaumard® skin tones available: Light Medium Dark



Life/form® Special Needs Infant

- Newborn-size infant allows health care facilities and medical staff to teach special procedures and develop a nursing care plan for special needs infants
- Developed for a wide range of training, including beginning nursing students
- Medical devices that can be used include tracheostomy tube and suction catheter, gastrostomy tube, nasogastric tube, and urethral catheter
- General care that may be practiced include bathing, diapering, and various dressing changes
- Soft carry bag and instruction manual included

Sh. wt. 14 lbs.

- Tracheostomy tube, gastric tubes, urinary catheter, and ostomy bag are not included (available supplies listed below)
- Colostomy care (attachment of ostomy bag and basic care purposes only)
- Gastrostomy care (lavage and gavage) — size 14 FR
- Nasogastric care (placement, lavage, gavage, and suctioning — size 8 FR or smaller
- Tracheostomy care (placement and suctioning) — size 3.0 mm neonatal
- Urethral catheterization (insertion, placement, and care) — size 8 FR
- 5-year warranty

LF01193U Light Female
LF01194U Light Male
LF01195U Dark Female
LF01196U Dark Male
LF01213U Medium Female
LF01216U Medium Male
LF01215U Asian Female
LF01214U Asian Male

Infant Tracheostomy Tube

- 3.0 mm

LF01171U Sh. wt. 0.25 lbs.

Pediatric Ostomy Bag

- Closed pouch, 5¾ in.

LF00907U Sh. wt. 0.31 lbs.

Replacement Bladder Tube

LF01221U Sh. wt. 0.06 lbs.

Replacement NG Tube Bladder Bag

LF01197U Sh. wt. 0.06 lbs.

Replacement G-Tube/Trach Bag

LF01198U Sh. wt. 0.19 lbs.

Lubricant Kit

- 2-oz. bottles
- Pkg. of 6

LF00985U Sh. wt. 0.88 lbs.

Infant Intermittent Catheter

- 6 in., 8 FR

LF01074U Each. Sh. wt. 0.19 lbs.
LF01074(A)U Pkg. of 10. Sh. wt. 0.44 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Infant & Pediatric Care Simulators

advanced care for neonates



Deluxe Nurse Training Baby–Newborn

- Features internal organs (heart, lung, intestine system, stomach, and bladder), a removable belly covering, interchangeable genital organs, soft ears, and fully movable head, arms, and legs
- Allows students to practice both basic and medical infant care such as tracheostomy care, male and female catheterization, insertion of stomach tube, and enema insertion, as well as femoral and gluteal intramuscular and subcutaneous injections
- Fontanels can be palpated
- Allows practice in dressing; changing; feeding simulation; navel care; mouth, ear, and nose cleaning; insertion of a rectal thermometer; and proper carrying techniques
- 20½ in. long; weighs 6.63 lbs.
- Includes syringe, suction catheter, feeding tube, urinary catheter, urine collection bag, catheter lubricant, and a carry bag

SB25999U Sh. wt. 10 lbs.

Gaumard® Infant Multipurpose Patient Care and CPR Simulator

- Represents 0- to 8-week-old baby
- Realistic characteristics include soft hands, feet, fingers, and toes; soft, flexible face skin and upper body skin; self-molded hair; realistic eyes; simulated ear canal; tongue may be moved from side to side; and arms and legs rotate within the torso body for lifelike feel and position

Practice:

- o Heel stick and finger prick
- o Bathing and bandaging
- o Male and female catheterization
- o Umbilical catheterization
- o Enema administration
- o Oral, nasal, and digital intubation
- o Placement of OP/NP tubes and nasal and oral gastric tubes
- o Suctioning
- o Intraosseous infusion

Features:

- o Intramuscular injection site in upper thigh
- o Interchangeable male organ
- o Urethral passage and bladder
- o Removable internal tanks
- o Right/left main stem bronchi
- o External stoma sites with internal tanks
- o BVM with realistic chest rise
- o Chest compression
- o IV arm with variable and palpable pulses



- Includes T-shirt, diapers, nylon carry bag, and instruction manual

Sh. wt. 14 lbs.

SB45372(L)U Light **SB45372(M)U** Medium **SB45372(D)U** Dark

Newborn Baby Dolls

- Lifelike baby is only 1 day old, its eyes are just slightly open, its umbilical cord is still visible, and it has a "soft spot" on its carefully sculpted head
- Soft vinyl body with jointed arms and legs
- Surface washable and posable
- Each doll is anatomically correct for complete realism
- Baby dolls arrive with diapers
- 21 in. long



Baby Doll Sets. Sh. wt. 10 lbs.

SB34423U Dark Boy and Girl

Individual Baby Dolls. Sh. wt. 5 lbs.

SB34424U Dark Boy **SB34425U** Dark Girl





Gaumard® Susie® and Simon® Newborn Advanced Care Simulator

- PEDI® newborn simulator represents a 0- to 8-week-old baby

Features:

- o Training arm and hand for intravenous access (also features radial and brachial arterial sites)
- o External stoma sites with internal tanks
- o Umbilical catheterization site with internal tank
- o Temporal venous access sites with internal tank
- o Soft and flexible facial skin
- o Self-molded hair
- o Realistic eyes
- o NG exercises to demonstrate tube feeding and gastric suction
- o Simulated ear canal
- o Tongue may be moved from side to side
- o Lifelike, rotating arms and legs
- o Soft hands, feet, fingers, and toes
- o Heel stick and finger-prick technique
- o Soft upper body skin
- o Bathing and bandaging activity
- o Intramuscular injection site in upper thigh
- o TB test site
- o Urethral passage and bladder
- o Male and female catheterization (interchangeable)
- o Removable internal tanks
- o Enema administration

- Comes with T-shirt, diapers, soft nylon carry bag, and instruction manual

Sh. wt. 7 lbs.

SB27321(L)U Light **SB27321(M)U** Medium **SB27321(D)U** Dark

Gaumard® Susie® and Simon® Newborn Care Simulator

- Same as Advanced Care Simulator above, but without training arm and hand, external stoma sites, umbilical catheterization site, and temporal venous access sites
- Includes T-shirt, diaper, instruction manual, and soft nylon carry bag

Sh. wt. 7 lbs.

SB32863(L)U Light **SB32863(M)U** Medium **SB32863(D)U** Dark

Gaumard® skin tones available: Light Medium Dark

Bulb Syringe

- Sterile 2-oz. manual aspirator
- Ideal for use with newborns and infants
- Can also be used as an ear syringe
- Latex-free



SB51833U Sh. wt. 0.44 lbs.



Nasco Baby Care Kit

Teach students or expectant parents the basics of baby care with the materials in these kits. Each life-like female baby doll is 20 in. long with jointed arms and legs to allow for changing positions. The soft vinyl body is washable and may be submerged in water (drain water before storing). Each kit includes seat for bathing, 3 cloth diapers, 3 disposable diapers, baby wipes, diaper pins, baby gown, two undershirts, booties, baby bottle, baby spoon, soap, bib, shampoo, washcloth, towel, cotton balls, baby lotion, baby powder, and 20 baby care booklets.

Teach the following baby care skills:

- Proper lifting and carrying
- Bathing
- Feeding
- Dressing
- Diapering
- Swaddling

Single Baby Kit Light Baby. Kit also includes: 2 receiving blankets, 2 hooded towels, 2 undershirts, and baby gown.

WA24064U Light Baby. Sh. wt. 14 lbs.

train in primary patient care techniques


Weighted Patient Care Manikin

Simulaids Patient Care Manikins

- Designed to meet the needs of hospitals, nursing homes, and educational facilities in training primary patient care
- Life-size manikin has fully articulated limbs and torso for flexibility
- Offers training opportunities in patient handling and transfer, and correct positioning in bed, wheelchair, on bedpan, commode, or other hospital equipment
- Patient-sensitive bathing techniques and general hygiene procedures are facilitated by the manikin's accurate, interchangeable male/female genitalia and smooth, washable surface
- Removable wig permits shampooing
- Skin easily accommodates wound moulages for teaching care of decubitus ulcers and realism in changing surgical dressings or practicing bandaging
- 3-year warranty

150-1372U Light **150-1372BU** Dark Sh. wt. 42 lbs.

Weighted Patient Care Manikin
- Same features as manikin above (150-1372U and 150-1372BU), except this manikin is weighted to 105 lbs. to provide added realism to patient care procedures

Sh. wt. 125 lbs.

150-1370U Light **150-1370BU** Dark

Patient Care/CPR Manikin
- Same features as manikin above (150-1372U and 150-1372BU), but also ideal for practicing CPR techniques

150-1325U Sh. wt. 50 lbs.

Simulaids skin tones available: Light Dark

Optional IV Lower Arm and Hand
- Realistic forearm and hand are veined with flexible tubing
- Allows practice of IV placement, infusion of fluids, and drawing of blood
- Includes reservoir bags, carrying tray, and simulated blood powder (procedure needle not included)
- 3-year warranty

Sh. wt. 3.50 lbs.

150-1374U Light **150-1374BU** Dark

Replacement Skin

150-1381U Sh. wt. 1.50 lbs.

Replacement Veins

150-1382U Sh. wt. 1.50 lbs.

Replacement Head

150-1371U Sh. wt. 4.50 lbs.

Replaceable Genitalia

Sh. wt. 2.25 lbs.

150-1376U Male **150-1378U** Female

Carry/Storage Bag for Patient Care Manikins

150-1373U Sh. wt. 4 lbs.



Gaumard® Susie/Simon® Hospital Training Manikins

- External appearance is female
- Attachment of the male genitals converts the manikin into a male model
- Simulate a number of exercises from transverse colostomy management to tracheotomy, from intramuscular injection to ophthalmological treatment
- On manikins without an ostomy, intestinal lavage can only be simulated
- Joints are strong and movements lifelike, even to the extent of permitting pronation and supination of the forearm

The manikin offers these additional features:
- Articulating head, jaw, elbows, wrists, ankles, and knees
- Bathing and bandaging
- Enema administration
- Eyes open and close
- Instruction manual
- Interchangeable genitalia
- Intramuscular injection
- Nasal and oral tube placement
- NG and OG tube feeding and gastric suction
- Opening for gastrostomy
- Ophthalmic exercises
- Catheterization exercises
- Otic drops and irrigation
- Soft, realistic face skin, hands, feet, fingers, and toes
- Wig for hair care exercises
- Tracheotomy placement
- Upper and lower dentures for oral hygiene
- Transverse colostomy, ileostomy, and suprapubic stomas, to practice irrigation
- Vaginal douching and Pap smear exercise
- Meets OBRA requirements

Gaumard® Susie/Simon® Hospital Training Manikin with Ostomy

Sh. wt. 43 lbs.

SB20140(L)U Light **SB20140(M)U** Medium **SB20140(D)U** Dark

Gaumard® Susie/Simon® Hospital Training Manikin Without Ostomy

Sh. wt. 46 lbs.

SB20142(L)U Light **SB20142(M)U** Medium **SB20142(D)U** Dark

Gaumard® skin tones available: Light Medium Dark

Gaumard® Simple Susie®
- Comes without internal tanks
- Genitals are not interchangeable

Sh. wt. 36 lbs.

SB23540(L)U Light
SB23540(M)U Medium
SB23540(D)U Dark

Gaumard® Simple Simon®
- Comes without internal tanks
- Genitals are not interchangeable

Sh. wt. 34 lbs.

SB23541(L)U Light
SB23541(M)U Medium
SB23541(D)U Dark



Gaumard® CPR Susie Advanced Patient Care Simulator

- Designed to provide the fundamentals of CPR instruction as well as numerous patient care exercises
- Amputation stump
- Anatomically painted outline of cardiopulmonary features
- Bends 30° at waist
- Cardiopulmonary resuscitation
- Enema administration
- Eyes open and close (one pupil is dilated)
- Instruction manual
- Intramuscular injection
- Optional advanced training arm
- Interchangeable male and female breasts (left female breast contains malignancy)
- Interchangeable male organ
- Jointed elbows, wrists, knees, and ankles
- Male and female catheterization
- Mouth-to-mouth and mouth-to-nose resuscitation
- Movable jaw with upper and lower dentures
- Neck brace
- Oral, nasal, otic, tracheotomy, and gastrostomy openings for instruction in nasogastric lavage and gavage
- Palpation of right and left carotids
- Sculpted stomas for transverse colostomy, ileostomy, and suprapubic stoma
- Set of 2 decubitus ulcers depicting initial stage of ulceration and deeply infected stage
- Simulated intubation
- Soft, lifelike face skin
- Vaginal douching and pap smear exercises
- 360° intramuscular and subcutaneous injection site in left upper arm

Sh. wt. 64 lbs.

SB32864(L)U Light **SB32864(M)U** Medium **SB32864(D)U** Dark





Gaumard® Clinical Chloe™ Patient Care Simulator

- Perform a variety of exercises from simple bandaging and general patient care to breast palpation, catheterization, ostomy management, injection training, and cervical examination
- Articulating head, jaw, elbows, wrists, ankles, and knees
- Bathing and bandaging activity
- Breast palpation capability with 1 abnormal breast
- Enema administration
- Interchangeable male and female breast inserts
- Interchangeable male and female organs
- Intramuscular injection sites in arm, thighs, and buttock
- Nasal and oral tube placement
- Neck brace
- NG and OG tube feeding and gastric suction
- Opening for gastronomy
- Ophthalmic exercises
- Catheterization exercises
- Simulated ear canal for otic drops and irrigation
- Soft, realistic face skin, hands, feet, fingers, and toes
- Wig for hair care exercises and surgical draping
- Tracheotomy placement
- Transverse colostomy, ileostomy, and suprapubic stomas, to practice irrigation
- Upper and lower dentures for oral hygiene
- Vaginal douching and Pap smear exercises
- Instruction manual and carry bag
- Meets OBRA requirements

Sh. wt. 45 lbs.

SB20144(L)U Light **SB20144(M)U** Medium **SB20144(D)U** Dark

Gaumard® skin tones available: Light Medium Dark

Gaumard® Attachable Advanced IV Training Arm

- For Susie/Simon® Manikins, CPR Susie, Clinical Chloe™, and Super Chloe®
- Subcutaneous injection area on flexor and lateral sides of forearm
- Intramuscular injection capability in the deltoid area
- Dorsum of the hand with 2 veins for additional intravenous line setups
- Use for infusion and blood collection procedures
- Allows administration of medication by intravenous bolus
- Includes blood powder concentrate, pressure bulb, blood dispensing bag, and spare arm skin
- Attach directly to Susie/Simon® Hospital Training Manikin and Clinical Chloe™ Patient Care Simulator

Sh. wt. 7 lbs.

SB23445(L)U Light
SB23445(M)U Medium
SB23445(D)U Dark

Adult Nursing Skills



Gaumard® Clinical Chloe™ Advanced Patient Care Simulator

General Patient Care
- Articulating head, jaw, elbows, wrists, knees, and ankles
- Bathing and bandaging activity
- Enema administration capability
- Full body with soft realistic face skin, hands, feet, fingers, and toes
- Interchangeable male and female organs
- Manual palpable pulses
- Realistic eyes for ophthalmic exercises open and close (1 pupil is dilated)
- Realistic urethral passage and bladder for catheterization exercises
- Set of 2 decubitus ulcers
- Simulated ear canal for otic drops and irrigation
- Stylish wig for hair care exercises and surgical draping
- Transverse colostomy, ileostomy, and suprapubic stomas to practice irrigation
- Ulcerated foot
- Upper and lower dentures for oral hygiene

Breast Palpation
- Breast palpation capability with 1 abnormal breast
- Interchangeable male and female breast inserts

CPR
- OMNI® Code Blue® Pack included to monitor compressions and airway ventilations
- Practice BVM with realistic chest rise
- Practice CPR
- Realistic heart, lungs, ribs, stomach, and liver for unparalleled CPR performance

Airway
- Anatomically accurate airway
- Nasal and oral tube placement
- NG and OG tube feeding and gastric suction
- Tongue, epiglottis, vocal cords, and esophagus look and feel real
- Trachea, bronchi, and lungs enable assessment of airway management skills
- Tracheotomy intubation with replaceable trachea
- Tracheotomy placement

Injection Training
- Advanced training arm and hand for IV, IM, and sub-Q techniques
- Intramuscular injection sites in arm, thighs, and buttock

GYN Training
- Vaginal douching and Pap smear exercises with realistic vagina and cervix

Other
- Bends and detaches at waist for easy storage
- Carrying bag
- Detachable and removable internal tanks
- Instruction manual
- Latch provides secure seal between ostomies and internal tanks
- Neck brace
- 1-year warranty

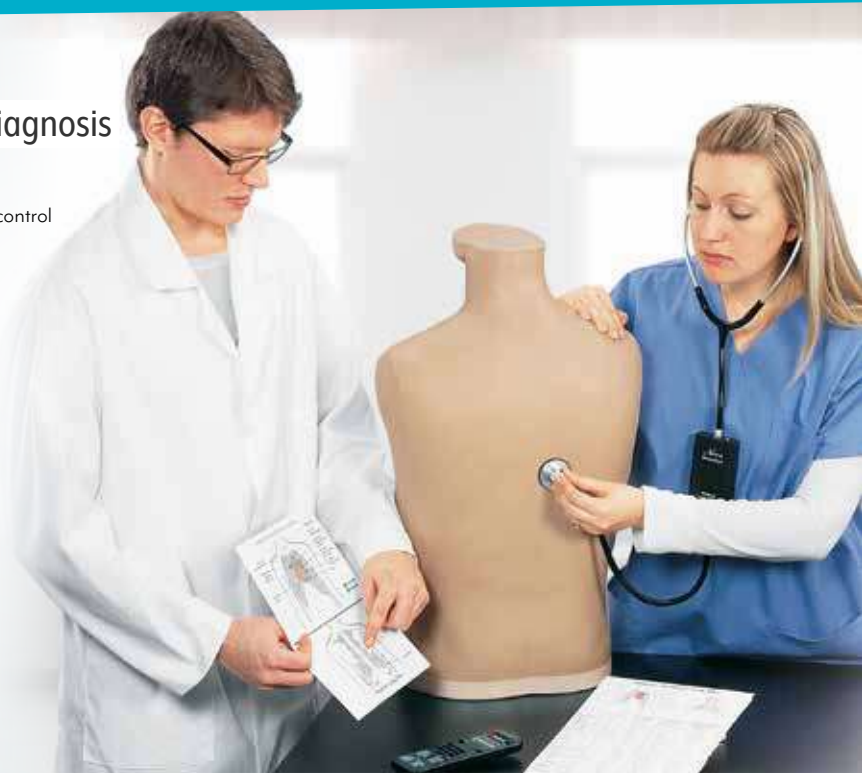
Sh. wt. 50 lbs.

SB51891(L)U Light **SB51891(M)U** Medium **SB51891(D)U** Dark

Gaumard® skin tones available: Light Medium Dark



extensive auscultation capability for in-depth diagnosis



Life/form® Auscultation Trainer and SmartScope™

- Instructor selects from a menu of heart and lung conditions by wireless remote control
- No visible auscultation sites
- Palpate to identify correct auscultation locations
- Diagnosis of the condition selected by the instructor can be made by comparing variations in sounds occurring at different sites
- Lung sounds located at 5 anterior, 10 posterior, and 2 midaxillary locations
- Heart sounds at 6 anterior sites
- For a list of lung and heart conditions, visit our website
- One remote control will operate multiple sets of SmartScopes™ and/or trainers simultaneously within 100 ft. range
- Listen to the sounds by either using headpieces on SmartScope™ or by connecting to an amplifier/speaker (not included) for group instruction
- Includes trainer, 1 remote control with LCD display, 1 SmartScope™ with single- and dual-user headpieces, and hard carry case
- Requires 2 AA and 2 AAA batteries (included)
- 5-year warranty

LF01142U Sh. wt. 24 lbs.

Auscultation Trainer and SmartScope™ and Amplifier/Speaker System

- Includes everything listed above and the speaker
- 110V

LF01172U Sh. wt. 35 lbs.



LF01191U



LF01200U

Life/form® Anterior Auscultation Practice Board with Case and SmartScope™

- Hear realistic heart and lung sounds while recognizing appropriate placement of the SmartScope™
- Includes anterior anatomical drawing showing the 5 anterior lung and 6 anterior heart sites, SmartScope™, wireless remote control, and hard storage/display case
- 5-year warranty

LF01192U Sh. wt. 26 lbs.

Life/form® Anterior Auscultation Practice Board with Case Only

- Use with your existing Auscultation Trainer, SmartScope™, remote control, or by itself
- 12 posterior lung locations: 6 upper posterior, 4 lower posterior, and 2 mid-auxillary
- SmartScope™ (LF01144U) and remote control (LF01148U) are not included
- Shipped assembled in the hard storage/display case
- 5-year warranty

LF01190U Sh. wt. 25 lbs.

Amplifier/Speaker System

- Reproduces sounds with extreme clarity
- For group presentations
- Complete with speaker and wire connections
- 30 watts, 110V

LF01189U Sh. wt. 10 lbs.



Life/form® Posterior Auscultation Practice Board Only

- Includes posterior anatomical drawing showing with 12 posterior lung locations: 6 upper posterior, 4 lower posterior, and 2 midaxillary
- Includes easel, instructions, and vinyl carry case
- SmartScope™ and remote control sold separately
- 5-year warranty

LF01199U Sh. wt. 5.50 lbs.

Life/form® Complete Auscultation Training Station

- Includes Anterior Auscultation Practice Board with Case, SmartScope™, remote control, the ***Life/form***® Auscultation Trainer Torso, and speaker
- 5-year warranty

LF01191U Sh. wt. 57 lbs.

Life/form® Deluxe Auscultation Training Station

- Includes Auscultation Trainer Torso, Anterior and Posterior Practice Boards, SmartScope™, remote, and speaker
- 5-year warranty

LF01200U Sh. wt. 67 lbs.

Additional SmartScope™
LF01144U Sh. wt. 1.75 lbs.

Additional Remote Control
LF01148U Sh. wt. 0.56 lbs.

Additional Body
LF01145U Sh. wt. 26 lbs.

Heart & Lung Sounds





Life/form® Infant Auscultation Trainer with Airway Management

- Visual and tactile realism are combined in the simulator to provide the most realistic training possible
- Anatomical landmarks provide key features necessary to learn proper infant handling in emergency and non-emergency situations
- Features 1 heart, 1 bowel, and 2 lung sites on the anterior surface, and 2 lung sites on the posterior surface
- Practice umbilical clamping, cutting, cannulation, and blood aspiration with the chest skin and umbilicus
- Anatomically correct in both size and detail
- Palpate to identify the correct auscultation sites to hear different heart, bowel, and lung sounds
- Select from 11 heart conditions, 4 bowel conditions, and 9 lung conditions
- For a list of heart, bowel, and lung conditions, visit our website
- Includes full-body infant airway management trainer, auscultation chest skin, chest skin for practicing CPR, SmartScope™ remote, umbilical cord replacements with clamps, artificial blood, IV bag, spray pump lubricant, syringe needle, instruction manual, and hard carry case
- 5-year warranty

LF01201U Sh. wt. 21 lbs.

Complete Infant Auscultation Simulator with Speaker

- Includes Infant Auscultation Trainer and speaker for group instruction

LF01205U Sh. wt. 31 lbs.

Additional Infant Auscultation Trainer Body

LF01202U Sh. wt. 19 lbs.

Replacement Lung System

LF03599U Sh. wt. 0.06 lbs.

Umbilical Cannulation Replacement Cords

- Pkg. of 10

LF03642U Sh. wt. 2.50 lbs.

Umbilicus Clamps

LF03643U Pkg. of 6. Sh. wt. 2.25 lbs.

SmartScope™ Only

LF01204U Sh. wt. 1.50 lbs.

Remote Only

LF01203U Sh. wt. 1.75 lbs.



Life/form® Adult & Infant Auscultation Training Set

- Includes innovative auscultation training simulators that deliver site-specific sounds heard through the SmartScope™
- Cost-effective set includes the Auscultation Trainer and SmartScope™ (LF01142U) and the Infant Auscultation Trainer with Airway Management (LF01201U)
- Adult trainer has 6 anterior heart sites with 12 conditions and 5 anterior, 10 posterior, and 2 mid-axillary lung sites with 16 conditions
- Infant trainer has 1 anterior heart site with 11 conditions, 2 anterior and 2 posterior lung sites with 9 conditions, and 1 bowel sound site with 4 conditions
- Conditions are selected through a remote control and the sounds are heard through a SmartScope™
- Airway management and umbilical cannulation can also be performed on the infant
- For classroom training, consider adding the speaker system (LF01189U)
- 1 remote and 1 SmartScope™ can be used to program multiple trainers within a 100-ft. radius
- Remotes and SmartScope™ are not interchangeable between adult and infant auscultation trainers
- 5-year warranty

LF01220U Sh. wt. 52 lbs.



NZI0305U



NZI0071U

SAM 3G, the Student Auscultation Manikin

SAM 3G software includes various levels of upgrades that customers can choose from. The following software features are included with all upgrade levels:

- Learn heart, breath, and bowel sounds
- Easily moved into a classroom or auditorium for group instruction
- Carotid pulse
- Large library of sounds includes 25 heart, 27 breath, 10 heart/lung combos, 16 bowel, and 6 bruit sounds, all heard at the correct anatomical location (both anterior and posterior), along with 16 heart/breath combination sounds
- Software includes phonocardiograms, correct anatomical locations, and written lessons for each sound
- Software interface is easy to navigate
- Updated manikin look
- Pre-program your own password-protected lectures and scenarios
- Smart classroom/auditorium ready
- Customized volume adjustments

SAM 3G (Student Auscultation Manikin – 3rd Generation) Enhanced Software Package

- Computer software interface includes 24 case videos, a real sounds library with 24 sounds, 12 echocardiogram videos, and ECG waveform for heart sounds
- Case videos contain clinical interactions between doctors and patients for various conditions
- Watch a case video and practice listening to the SAM for a life-like simulation
- Create and save your own case videos
- Real sound library contains sounds recorded from live patients

NZI0305U Light Skin **NZI0306U** Dark Skin Sh. wt. 45 lbs.

- Includes male manikin, Dell laptop computer with selected SAM 3G software installed, lesson guide, and operator's manual
- Shipped directly from our supplier
- Allow extra delivery time

- Provides more realistic clinical setting training to train students in cardiac auscultation
- Echocardiogram videos associated with various heart conditions are recorded from live patients
- An ECG waveform is displayed with various heart sounds to help identify S1
- Includes pediatric sounds like ASD, PDA, VSD, pulmonary hypertension, pulmonary stenosis, and Tetralogy of Fallot
- Pre-installed laptop software contains all enhanced software features

SAM II

- Enhanced software features are not included in this package but may be purchased/added separately

NZI0071U Light Skin **NZI0072U** Dark Skin Sh. wt. 50 lbs.

SAM 3G Upgrade Package

- Upgrade your SAM II to SAM 3G with full enhanced features
- Includes laptop pre-installed with software containing all enhanced features

NZI0322U Sh. wt. 10 lbs.

SAM 3G Enhanced Software Package Addition

- Can be used to upgrade your SAM II or as additional options for SAM 3G

Sh. wt. 1.50 lbs.

NZI0323U Case Studies
NZI0324U Real Sounds Library
NZI0325U Echocardiogram Videos

Skin tones available: Light Dark



Heart & Lung Sounds



BASIC™ Auscultation Trainers

- Simulate heart, lung, and bowel sounds utilizing a large sounds library
- Access a large variety of pathological conditions in order to customize scenarios
- Placing the SimScope™ over the anatomically correct locations of the trainer, the programmed sounds will be played through the scope, allowing students to employ and enhance their diagnostic skills
- Includes trainer, SimScope™ stethoscope with sounds library, software CD and site license, and T-shirt
- 1-year limited warranty

Skills:

- Use and placement of a stethoscope
- Identification of sounds and their variations
- Relationship between sounds and auscultation sites
- Ability to describe sounds clearly to others

Features:

- Extensive heart, breath, and bowel sounds library
- Ability to listen at anatomically correct auscultation sites
- Customization to fit specific scenarios and programs

PAT BASIC™ Pediatric Auscultation Trainer

- Includes 22 heart sounds, scenarios, and murmurs; 11 breath sounds and conditions; and 4 bowel sounds

Z47741U Light Skin **Z47742U** Dark Skin Sh. wt. 20 lbs.

SAM BASIC™ Student Auscultation Manikin

- Includes 20 heart sounds, scenarios, and murmurs; 20 breath sounds and conditions; 3 bowel sounds; and 1 carotid bruit

Z47743U Light Skin **Z47744U** Dark Skin Sh. wt. 30 lbs.

Skin tones available: Light Dark

palpable pediatric simulator with multiple sounds

Gaumard® Advanced Heart and Lung Sounds — Pediatric

- Full-size pediatric manikin with palpable anatomic landmarks
- Sensor network hidden beneath the skin
- Hear the appropriate heart and lung sounds as bell of stethoscope is moved across the front and back of the torso
- Includes Virtual Stethoscope® with multiple heart and lung sounds
- An external speaker plugs into the Virtual Stethoscope® so a classroom can heart what the student hears
- Includes instruction manual and carry bag

1-Year-Old Manikin
Sh. wt. 14 lbs.
SB51918(L)U Light
SB51918(M)U Medium
SB51918(D)U Dark

5-Year-Old Manikin
Sh. wt. 27 lbs.
SB51919(L)U Light
SB51919(M)U Medium
SB51919(D)U Dark



SB41599(L)U

Gaumard® Heart and Lung Sounds — 5-Year-Old

Sh. wt. 36 lbs.

SB41599(L)U Light Skin Tone **SB41599(M)U** Medium Skin Tone **SB41599(D)U** Dark Skin Tone

Gaumard® Hal® Heart and Lung Sounds Adult Torso

- Full-size adult torso with palpable anatomic landmarks
- Sensor network hidden beneath the skin
- Hear the appropriate heart or lung sound as bell of stethoscope is moved across the front and back of the torso
- Includes Virtual Stethoscope® with multiple heart and lung sounds
- An external speaker plugs into Virtual Stethoscope® so a classroom can hear what the student hears
- Includes instruction manual and carry bag

Sh. wt. 43 lbs.

SB51791(L)U Light Skin Tone
SB51791(M)U Medium Skin Tone
SB51791(D)U Dark Skin Tone

Gaumard® skin tones available: Light Medium Dark





SB51791(M)U

PAT Pediatric Auscultation Trainer

- Listening points at the correct anatomical locations
- Perform phonocardiograms and listen to the same heart sound at different rates for comparison
- Online student learning and assessment modules
- Features 23 different heart sounds at different rates, 4 heart lung sounds, 15 pediatric breath sounds, and 3 pediatric bowel sounds
- Includes trainer; Dell laptop computer with PAT software installed; PAT lesson guide DVD in English, Spanish, or German; and operator's manual on DVD

Sh. wt. 30 lbs.

NZ10085U Light Skin
NZ10086U Dark Skin

Skin tones available: Light Dark



E-Scope Electronic Stethoscope



- Amplifies sounds up to 30 times louder than an acoustic scope
- Control filter switch on stethoscope head allows user to concentrate on heart or breath sound frequencies within a specific range
- Volume is controlled
- 64 possible volume positions with maximum output of 125 dB, undistorted
- Automatic timer powers off stethoscope
- USB-style side output jack allows headphones for a second user to be connected or for connecting to a PC for recording purposes
- Stainless steel diaphragm produces 50% greater sound sensitivity, a more comfortable feel, and allows listener to use the split-finger technique
- Includes accessory pack with pediatric diaphragm, plastic adult diaphragm, pediatric and infant bells, and ear tips
- Requires 1 AAA battery (not included)
- 1-year parts and labor warranty

Z47588U Sh. wt. 3.50 lbs.



SimScope™ Wi-Fi® Upgrade

- Upgrade your existing SimScope™ unit to the SimScope™ Wi-Fi®
- Shipped directly from our supplier
- Allow extra delivery time

Z47855U Sh. wt. 2 lbs.

SYSTEM REQUIREMENTS: Windows® XP/7/8, 1 GB RAM, Windows®. Net Framework must be loaded (included on disc).

SimScope™ Individual Patch

Z47589U Sh. wt. 1.25 lbs.

Additional SimScope™ Only

- Must be used with existing SimScope™ complete package (Z47045U, above)

Z47047U Sh. wt. 1.25 lbs.

SimScope Patches™ Kit

- For use with SimScope™ listed above
- Location patches may be placed on standardized patients of low-fidelity manikins
- Includes 15 patches — 4 heart, 8 lung (front and back), 2 bowel, and 1 bruit
- Shipped directly from our supplier
- Allow extra delivery time.

Z47046U Sh. wt. 1.25 lbs.



Blood Pressure Simulation



Simulaids Blood Pressure Simulator with iPad®* Technology

- Stand-alone unit incorporates sphygmomanometer placement, palpation of the radial pulse, variable systolic and diastolic pressures from 0-300 mm Hg in 2 mm increments, variable amplitude of sound heard at the antecubital site, sound jack for group listening, auscultatory gap setting, and heart rate settings
- Battery operated trainer can be plugged into 110V AC to save batteries
- Includes an iPad®*, AC adapter and jack, BP cuff, and a carry bag

101-775U Sh. wt. 16 lbs.

*iPad® is a trademark of Apple, Inc., registered in the U.S. and other countries.

Life/form® Blood Pressure Simulator

- Adjust pulse rate and volume
- Turn auscultatory gap on or off
- Easily calibrate unit for use with any sphygmomanometer
- Program systolic and diastolic pressures
- Auscultate the 5 Korotkoff sounds with any stethoscope
- Check palpable pulse at the radial site
- Use normal procedure to place cuff on arm
- Includes ***Life/form***® Blood Pressure Arm, sphygmomanometer, electronic control unit (6 AA batteries), instruction manual, and soft carry case
- No special stethoscope required (stethoscope not included)
- For auscultatory blood pressure only
- 5-year warranty

LF01095U Sh. wt. 10 lbs.

Deluxe Blood Pressure Simulator

- Broadcast blood pressure sounds to an entire classroom with included speaker system
- Includes Blood Pressure Simulator (LF01095U) and a 110V Amplifier/Speaker System
- 5-year warranty

LF01129U Sh. wt. 20 lbs.

Amplifier/Speaker System

- Reproduces sounds with extreme clarity
- For group presentations
- Complete with speaker and wire connections
- 30 watts, 110V

LF01189U Sh. wt. 10 lbs.

Blood Pressure Cuff Replacement

LF01072U Sh. wt. 1.25 lbs.



Blood Pressure Arm

- Reproduction of the arm of a 5-year-old attaches to the right shoulder opening of any ***Life/form***® Child Airway Management/CPR Torso
- Arm is hinged to swing away from the body for easy accessibility
- Arm is programmed to demonstrate the 5 Korotkoff phases and an auscultatory gap switch may be used to simulate the auscultatory gap that is sometimes present between Phase I and Phase II sounds
- Select systolic and diastolic settings, adjust volume and pulse rate, and easily calibrate when needed
- Has palpable radial pulse
- Optional external Amplifier/Speaker System (LF01189U) can be used instead of the speaker in the arm to broadcast sounds for a group
- Includes sphygmomanometer, cuff, gauge assembly, and instruction manual
- Requires 6 AA batteries (included)
- 5-year warranty

LF03613U Sh. wt. 10 lbs.



Male & Female Urinary Catheterization Trainer





Life/form® Male & Female Urinary Catheterization Trainer

New and improved urinary catheterization trainer with soft, realistic material, male genital insert with foreskin, female genital inserts, urinary and suprapubic catheterization capabilities, and rectal suppository and enema features included.

- Includes:
  - Soft Female Genital (1)
  - Soft Male Genital (1)
  - Simulator Lubricant 2 oz. (1)
  - 16 French Foley Silicone Catheter
  - Genital Housing Unit (1)
  - 1 qt. Simulated urine
  - Reusable Fluid Supply Bag
  - Bladders (3)
  - Foreskins (3)
  - Suprapubic Skin (3)
  - Syringe (1)
  - Baby Powder (1)
  - Hard carry case
- Fluid supply stand not included
- 5-year warranty

LF00843U Sh. wt. 19 lbs.



Catheter



Simulaids Male & Female Catheterization Trainers

- Practice male and female urinary catheterization on anatomically correct models
- Realistic feel and flexibility
- Both models utilize a 16 FR catheter and can be used to demonstrate balloon inflation procedures
- Individually mounted on a training stand and can be used on a tabletop or for patient simulation
- Fluid reservoir allows for urine output upon successful completion of the insertion procedure
- Teach sterile technique and insertion and removal of catheter, as well as practice preparing the patient for the procedure

Male Catheterization Model

160-1931U Sh. wt. 3 lbs.

Female Catheterization Model

160-1932U Sh. wt. 3 lbs.

Foley Catheter, Silicone. 16 FR 5 cc

LF01127U Each. Sh. wt. 0.25 lbs. **LF01128U** Pkg. of 10. Sh. wt. 0.63 lbs.

Male & Female Catheterization Models Set. Includes both models listed above

160-1933U Sh. wt. 8 lbs.

Life/form® Male & Female Catheter Models

- Use these realistic catheterization models to practice the proper insertion of a lubricated catheter
- Use for teaching anatomy and sterile cleansing techniques before, during, and after insertion
- Models use catheter size 16 FR or smaller
- Includes instructions with anatomy diagram
- 5-year warranty

Sh. wt. 3 lbs.

Male Catheter Model

- Anatomy includes rectum, seminal vesicle, bladder, pelvic bone, prostate, urethral sphincter muscle, urethral meatus, glans, scrotum, pelvic diaphragm, and anus

LF01150U

Female Catheter Model

- Anatomy includes rectum, uterus, bladder, pelvic bone, urethral sphincter muscle, clitoris, urethral meatus, labium minora, vagina, labium majora, pelvic diaphragm, and anus

LF01151U

Male & Female Catheter Model Set

- Includes both Male (LF01150U) and Female (LF01151U) Catheter Models

LF01152U Sh. wt. 7.50 lbs.



Willi and Cathi Catheterization Trainers



- Use Cathi female catheterization trainer to practice locating the urethral meatus and for urinary catheter placement; labia minora realistically closes over the vaginal and urethral openings and tissue is supple and pliable for easy spreading with thumb and index fingers
- Willi male catheterization trainer has a removable foreskin and can simulate an enlarged prostate
- Successful catheterization on either trainer will be confirmed with urine flashback
- Bladder module can be set up for portability with an IV bag for improved flashback pressure
- Torso not included; trainers fit into most Laerdal® manikins or into the Remedy Stand (SB51873U)

SB50115U Sh. wt. 3 lbs.

Replacement Foreskin for Willi Trainer

SB52882U Sh. wt. 0.25 lbs.

Remedy Stand 5 in. L x 3 in. W x 5 in. H

SB51873U Sh. wt. 2.25 lbs.



Simulated Urine

- Teach how to collect urine specimens and measure intake and output
- Can be used with patient care simulators
- Simply add distilled water to the contents of the container and shake well to make simulated urine
- For instruction use only
- Not for human or animal use

Quart

PN01037U Sh. wt. 0.25 lbs.

Gallon

PN01036U Sh. wt. 0.38 lbs.

Life/form® Infant Male and Female Catheterization Trainer



- 2-in-1 trainer that provides realistic practice of this difficult skills procedure
- Anatomically realistic with both male and female genitals
- Feel resistance and pressure as with a real patient
- Genitals made of soft, lifelike material
- Lower half of infant only
- Practice both male and female infant catheterization training
- Practice insertion, position, catheter balloon inflation and deflation
- Urine flows when catheter is in proper position
- Includes infant torso, 1 male and 1 female genital insert, 2 oz. lubricant, infant Foley catheter, and instruction manual
- 5-year warranty

LF01035U Sh. wt. 2 lbs.

Replacement Genital Inserts

LF01035(A)U Female **LF01035(B)U** Male Sh. wt. 0.38 lbs.

Replacement Bladder Tube

LF01221U Sh. wt. 0.06 lbs.

Infant Intermittent Catheter

- 6 in., 8 F

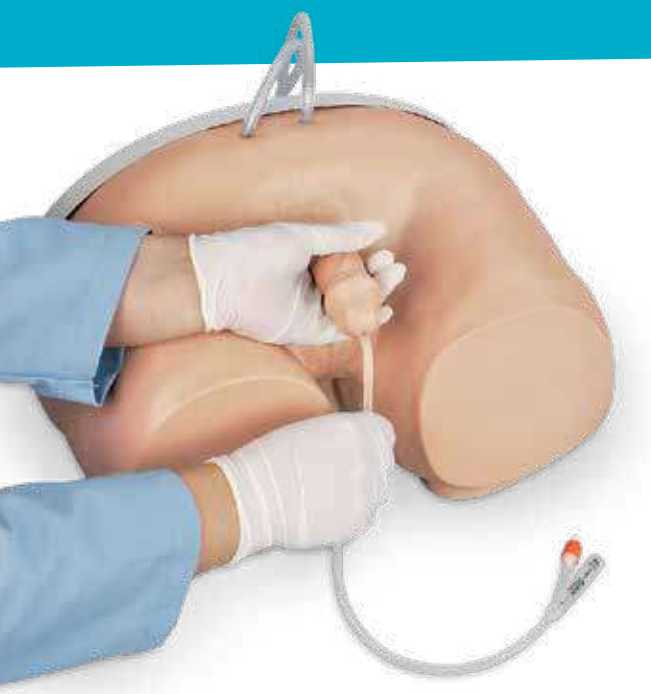
LF01074U Each. Sh. wt. 0.19 lbs.
LF01074(A)U Pkg. of 10. Sh. wt. 0.44 lbs.

Lubricant Kit

- 2-oz. bottles
- Pkg. of 6

LF00985U Sh. wt. 0.88 lbs.

Catheter



Life/form® Male Catheterization Simulator

- A lubricated catheter can be inserted in the urethral orifice, passed through the urethra, and into the bladder
- When the catheter enters the bladder, artificial urine (water) will flow from the catheter
- Student will feel normal restrictions caused by the mucosal folds, bulbous urethra, and internal urethral sphincter, just prior to entrance into the bladder
- Teaches proper positioning and movement of the penis to allow the catheter to pass easily
- Includes lubricant, silicone catheter, instruction manual, and hard carry case
- 5-year warranty

LF00855U Sh. wt. 12 lbs.



Life/form® Female Catheterization Simulator

- Simulator is the lower torso of a middle-aged woman with thighs abducted for proper position during catheterization
- Includes a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter
- Normal feeling of resistance and pressure is experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder
- When the catheter enters the bladder, artificial urine (water) will flow from the catheter
- External genitalia and perineum are molded in lifelike form
- Labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus
- Includes lubricant, silicone catheter, instruction manual, and hard carry case
- 5-year warranty

LF00856U Sh. wt. 21 lbs.

Life/form® Male & Female Catheterization Simulator Set

- Includes Female Catheterization Simulator and Male Catheterization Simulator

LF00857U Sh. wt. 33 lbs.

Foley Catheter, Silicone

- 16 FR 5 cc

LF01127U Each. Sh. wt. 0.25 lbs.
LF01128U Pkg. of 10. Sh. wt. 0.63 lbs.

Fluid Administration Set

- With special adapter for Male and Female Catheterization Simulators
- Includes fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5⁄16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Lubricant Kit

- 2-oz. bottle
- Pkg. of 6

LF00985U Sh. wt. 0.88 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators and trainers
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Catheter Obstruction Tool

- Use to clear any obstructions within the urethra
- Comes in a zipper closure bag with lubrication and instructions

LF00844U Sh. wt. 0.38 lbs.

Gaumard® Advanced Patient Care Male and Female Catheterization Simulator



- 2-in-1 simulator combines the features of female and male catheterization simulators at an economical price
- Use of this simulator will give the confidence required to perform this basic nursing procedure
- Features include complete catheterization training; interchangeable, realistic male organ; fully functional stomas connected to removable, replaceable internal tanks; and modular urethral valve to prevent fluid leakage
- Includes an instruction manual and soft nylon carry bag

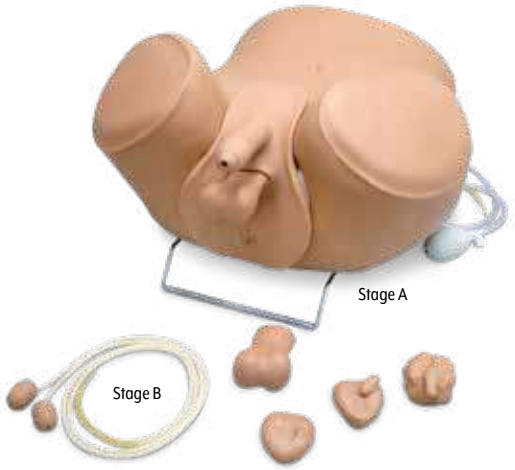
SB28919(L)U Light **SB28919(M)U** Medium **SB28919(D)U** Dark Sh. wt. 21 lbs.



Gaumard® ZACK® Multipurpose Male Care Simulator

- Full-size male lower torso with an internal bladder for catheterization
- 4 interchangeable prostates (depicting moderately enlarged benign prostate, prostate with 2 discreet nodules, prostate with easily palpable large mass, and prostate with malignant invasive cancer)
- Realistic penis and 2 scrotal sacks (one is normal, the other contains tumors in each testicle)
- 1 scalpel vasectomy kit containing 2 removable scrotal skins
- 2 testicles and 2 long vas assemblies that can be advanced as needed for NSV exercises
- Rectum and colon containing benign and malignant masses easily visualized using an appropriate endoscope
- Includes instruction manual and soft carry bag

SB48848(L)U Light **SB48848(M)U** Medium **SB48848(D)U** Dark Sh. wt. 24 lbs.



Life/form® Enema Administration Simulator

- Use for group demonstrations and practice sessions of any size
- Realistically practice administering an enema using this lifelike model
- Standard enema procedures can be performed using conventional enema apparatus — no special equipment is required
- All aspects of the simulator are realistic in every detail
- Upper buttock is flexible so the trainee must raise the buttock in order to locate and make insertion into the anus
- Drain tube is provided so fluid can be drained directly into a large container or sink
- Includes enema administration set, instruction manual, and hard carry case
- 5-year warranty

LF00957U Sh. wt. 19 lbs.



Hevi-Lube

- Specially formulated, highly concentrated lubricant for exclusive use with ***Life/form***® Enema Administration Simulator only
- Pint bottle

LF01050U Sh. wt. 0.94 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Replacement Tubing

LF01024U Sh. wt. 0.31 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Fluid Administration Set

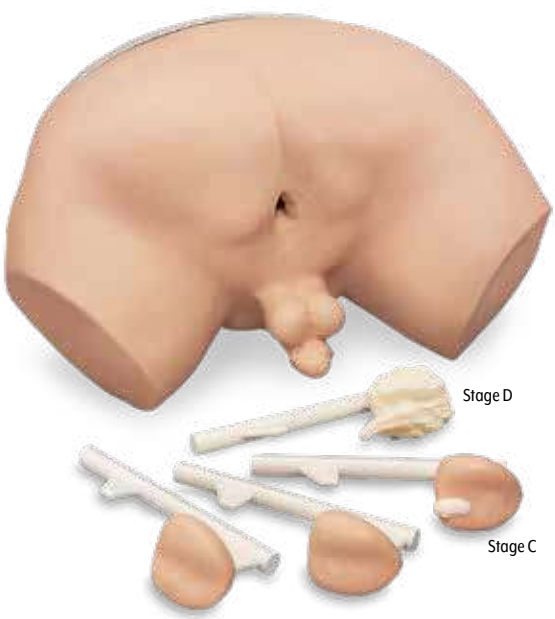
- Includes fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.

Life/form® Prostate Examination Simulator

- Teach techniques of prostate examination with no harm or embarrassment to real patients
- 4 separate prostate glands are supplied with the torso, representing 1 benign gland and 3 stages of prostatic carcinoma in varying degrees of development
  - STAGE A GLAND — benign, slightly enlarged, but otherwise normal prostate gland
  - STAGE B GLAND — discreet, hard nodule is palpable in the upper right quadrant; simulates a beginning stage of carcinoma
  - STAGE C GLAND — spread of carcinoma is demonstrated; small nodule has increased in size and has become an external hard mass on the surface of the gland
  - STAGE D GLAND — gland is totally replaced with carcinoma; entire gland will feel hard and irregular
- Each gland can be inserted into the prostate torso to allow realistic practice in diagnosis by rectal palpation
- Includes 4 glands, lubricant, instruction manual, and hard carry case
- 5-year warranty

LF00901U Sh. wt. 19 lbs.



Prostate Gland Replacements

Sh. wt. 0.63 lbs.

LF00901(A)U Stage A **LF00901(B)U** Stage B **LF00901(C)U** Stage C **LF00901(D)U** Stage D

Lubricant Kit

- 2-oz. bottle
- Pkg. of 6

LF00985U Sh. wt. 0.88 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Life/form® skin tones available: Light Dark

Ostomy Care



Life/form® Ostomy Care Simulator

- Ideal for demonstration and practice for several procedures
- Anatomy of both a colostomy and ileostomy are carefully reproduced to provide lifelike functions and appearance
- Dilation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags
- Colostomy can be irrigated
- Syringes are inserted through ports in the back of the simulator; 1 pumps the ileostomy with clear water or water tinted for exact realism, and the other syringe pumps synthetic stool to the colostomy
- Syringes are included to pump materials through the unit to provide drainage and excretion at the ileostomy and colostomy
- Consistency of the stool can be varied by using water to thin the material, and most of the stool can be salvaged and reused
- Soft, pliable material is used for the stomas in order to achieve a most realistic tactile sensation
- Includes a supply of simulated stool, instruction manual, and hard carry case
- 5-year warranty

LF00906U Sh. wt. 24 lbs.

Adult Ostomy Kit

- 2 syringes without needles
- 4-oz. jar of simulated stool
- 4¼-oz. tube of lubricant
- 1 vinyl glove

LF00897U Sh. wt. 1.25 lbs.

Adult Ostomy Bag

- Closed pouch

LF00896U Sh. wt. 0.06 lbs.

Simulated Stool

LF00962U Sh. wt. 0.63 lbs.

realistic trainer for realistic ostomy care

- Anatomy is carefully reproduced to provide lifelike functions and appearance
- Realistic tactile sensation
- Application of postoperative and permanent ostomy bags
- Dilation of the stomas
- Each model is 6 in. L x 7 in. W x 2½ in. D
- 5-year warranty



A. B. C. D. E.

Life/form® Nonfunctioning Ostomy Care Training Models

- Includes model, display easel, lubricant, and instruction manual

Sh. wt. 2 lbs.

A. Double Barrel Ostomy Care Training Model

- Features skin folding characteristics

LF00898(A)U

B. Prolapsed Ostomy Care Training Model

- Features a barrel that has telescoped out

LF00898(D)U

Complete *Life/form*® Ostomy Care Training Models Set

- Includes all Ostomy Care Training Models

LF00898U Sh. wt. 8.50 lbs.

Life/form® Functioning Ostomy Care Training Models

- Irrigation and stool simulation
- Includes model, display easel, syringe, simulated stool, lubricant, and instruction manual

Sh. wt. 1.75 lbs.

C. Healthy Ostomy Care Training Model

- Represents a healthy, surgically created stoma

LF00898(B)U

D. Infected Ostomy Care Training Model

- Features inflamed area that represents complications

LF00898(C)U

E. Necrotic Ostomy Care Training Model

- Features the death of stomal tissue

LF00898(E)U

Life/form® Complete Ostomy Care Training Model

- Consists of 3 locations to place the interchangeable stomas (healthy stoma, double-barrel stoma, prolapsed stoma, and necrotic stoma)
- Healthy and necrotic stomas have irrigation and stool simulation features
- Permanent, retracted stoma to practice ostomy care procedures on stomas sunk below skin level
- Includes simulator, 4 stomas, simulated stools, adult ostomy bag, lubricant, syringe with tubing, base, gloves, and infected tissue roll
- 14 in. L x 12 in. W x 4 in. D
- 5-year warranty

LF00895U Sh. wt. 10 lbs.



Replacement Ostomies

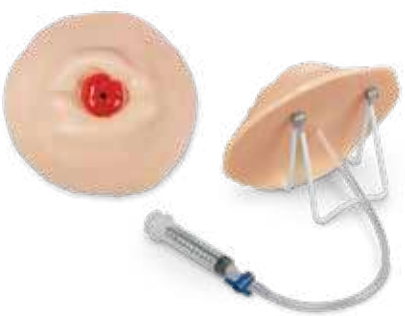
- Includes healthy stoma, double-barrel stoma, prolapsed stoma, and necrotic stoma

LF00895(A)U Sh. wt. 0.50 lbs.

Replacement Kit

- Includes 18 in. tubing, 2 gloves, simulated stool, 2-oz. container of lubricant, and an adult ostomy bag

LF00895(B)U Sh. wt. 1.25 lbs.



Life/form® Retracted Ostomy Care Training Model

- Realistic tactile sensation
- Features realistic stoma sunk below the skin
- Irrigation and stool simulation
- Includes model, display easel, syringe, simulated stool, lubricant, and instruction manual
- 7 in. L x 7 in. W x 3 in. D
- 5-year warranty

LF00903U Sh. wt. 3.50 lbs.

Life/form® Infant Ostomy Trainer

- Teaches step-by-step procedures for cleaning and caring for a baby's stoma and changing the pouching system
- Anatomy of the colostomies provide lifelike appearance and functions
- Soft, pliable material is used for the stomas in order to achieve the most realistic tactile sensation
- Consistency of the simulated stool can be varied
- Syringes included are used to inject simulated stool through ports to the colostomy sites
- Colostomy sites can be irrigated
- Includes 1 ostomy bag, 1 glove, 2 syringes (3 cc), 1-oz. jar of stool, 1-oz. jar of lubricant, wash bottle for irrigation, instruction manual, and storage box
- 5-year warranty

LF00905U Sh. wt. 1.75 lbs.



Pediatric Ostomy Bag

- Closed pouch

LF00907U Sh. wt. 0.31 lbs.

Simulated Stool

LF00962U Sh. wt. 0.63 lbs.

Ostomy Care & Bandaging



Otto Ostomy™ Package

- Demonstrates how ileostomies, urostomies, and colostomies function
- Model has a clear torso shell with 4 openings for the insertion of stomas
- Torso shell is easily removed for teaching or to facilitate in accessing and manipulating the intestine
- Color codes displayed include stomach, small intestine, large intestine, rectum, kidneys, ureters, and bladder
- Large intestine, small intestine, rectum, and bladder are all removable to aid in teaching procedures
- Ureters can be removed from the bladder, the flexible small and large intestines can be separated and attached to the backside of the stoma, and the large intestines can be separated at 4 different locations
- Includes anodized aluminum base, clear torso shell with 4 openings for stoma placement, stomach, small intestine, large intestine, rectum, kidneys, ureters and bladder, ileal conduit, 2 sections of small intestines, 2 adaptor connectors (to demonstrate loop stoma with either the small or large intestine), 13 stomas, 2 stents (3 in.; to be used with the ileal conduit), loop stoma with rod, and user manual

SB48421U Sh. wt. 12 lbs.

become an expert at bandaging surgical wounds



Life/form® "Surgical Sally" Bandaging Simulator

- Female "patient" with 14 surgical wounds including an abdominal hysterectomy, appendectomy, cholecystectomy with simulated T-tube, colostomy, ileostomy, laminectomy, laparotomy, leg amputation stump, mastectomy with simulated drain, mid-sternal split with simulated drains, nephrectomy, thoracotomy, thyroidectomy, and sacral decubitus ulcer — stage 2
- Conveniently practice wound management skills, dressing changes, and bandaging techniques
- Flexible, flesh-colored skin realistically responds to adhesives and all types of bandaging procedures
- Skin with realistic look and feel has been reformulated so it is drier, allowing the bandages to adhere better
- 29 in. L x 17 in. W x 8 in. D
- Includes hard carry case
- Staples and sutures cannot be removed
- 5-year warranty

LF00929U Sh. wt. 26 lbs.

Life/form® Stump Bandaging Simulators

- Practice and demonstrate standard bandaging procedures
- Lower torso is long enough to allow carrying the bandage around the body over the uninvolved hip at the level of the iliac crest
- Both the upper and lower portions can be used to demonstrate the attachment of prosthetic devices
- Upper torso includes 2 arms: 1 amputated above the elbow; 1 above the wrist
- Both arms are slightly extended in a patient-like position to facilitate bandaging
- Lower torso is representative of a patient in a supine position with legs slightly abducted: 1 leg is amputated below the knee; 1 at mid-thigh
- 5-year warranty

Life/form® Upper Stump Bandaging Simulator

- Includes an instruction manual
- 26 in. L x 18 in. W x 13 in. H

LF01063U Sh. wt. 15 lbs.

Life/form® Lower Stump Bandaging Simulator

- Includes an instruction manual
- 35 in. L x 15 in. W x 10 in. H

LF01064U Sh. wt. 15 lbs.

Life/form® Set of 2 Stump Bandaging Simulators

- Includes instruction manuals
- Individually boxed
- 35 in. L x 15 in. W x 10 in. H and 26 in. L x 18 in. W x 13 in. H

LF01065U Sh. wt. 26 lbs.



Glue-Off

- Removes gummy residue left by adhesive bandages
- 4-oz. container with brush

LF01023U Sh. wt. 0.50 lbs.

Nasco Cleaner

- Use to remove stubborn stains from *Life/form*® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Life/form® Non-Pitting Edema Trainer

- Represents a non-pitting stage of edema
- Lifelike simulated tissue feels rock-hard, making pitting impossible
- Includes a Stage 3+ (6 mm) edema pad with deep pitting that remains for a short time when the tissue is pressed
- **Skills that can be practiced:**
  - Assessment of stages (3+ and non-pitting)
  - Assessment of depth (6 mm and no depth)
  - Assessment of rebound time to baseline
  - Feel of non-pitting stage
- Includes 2 tissue pads representing a non-pitting stage and a pitting stage, insert tray, key card with cleaning/care instructions, and storage box
- 5-year warranty

LF00946U Light **LF00801U** Medium Sh. wt. 2 lbs.



LF00947U

Life/form® Pitting Edema Trainer

- Trainer uses lifelike simulated tissue to demonstrate Stages 1+ through 4+:
  - Stage 1+ — Mild pitting, slight indentation (2 mm), no perceptible swelling of area
  - Stage 2+ — Moderate pitting, indentation (4 mm) subsides rapidly
  - Stage 3+ — Deep pitting, indentation (6 mm) remains for a short time, area looks swollen
  - Stage 4+ — Very deep pitting, indentation (8 mm) lasts a long time, area is very swollen
- **Skills that can be practiced:**
  - Assessment of stages (1+ through 4+)
  - Assessment of depth (2 mm through 8 mm)
  - Assessment of rebound time to baseline
- Includes 4 tissue pads representing each stage, insert tray, key card with cleaning/care instructions, and storage box
- 5-year warranty

LF00947U Light **LF00800U** Medium Sh. wt. 2.50 lbs.

Life/form® skin tones available: Light Medium



Stage 1 Stage 2 Stage 3 Stage 4



Edema Training


Adult Large

SimLeggings™ Pitting Edema

- Designed to zip over the ankles and lower legs of manikins from various manufacturers
- Light beige leggings have a slight sheen and exhibit the characteristic pitting when pressure is applied to the legging, making them ideal for use in cardiac and respiratory arrest scenarios
- Phlebitis can also be simulated by placing reusable or disposable gel hand warmers (not included) between the cover and the foam in the calf area to create warmth, then adding powdered blush to the outside of the fabric on the calf area to simulate the redness associated with phlebitis
- Leggings are easy to store and care for; simply machine wash and dry the outer cover, then store in the included storage bag
- Latex-free leggings are made in a scent-free environment
- Sold in pairs
- NOTE: Be sure to measure the calf circumference of the manikin or patient before ordering

Adult Small

- Fits static and birthing manikins, and standardized patients with a calf circumference of 12-15 in. (30-38 cm)
- Dark brown available upon request

SB50964U Sh. wt. 5.50 lbs.

Adult Large

- Fits most high-fidelity manikins and standardized patients with a calf circumference of 16-19 in. (40-48 cm)
- Dark brown available upon request

SB50963U Sh. wt. 5.50 lbs.



SimSleeves™ Lymphedema

- Simulates the look and feel of lymphedema
- Light beige sleeves zip over manikin arms from various manufacturers or standardized patients
- Covers arm from shoulder to wrist
- No messy prep or cleanup time required
- Latex-free sleeves are made in a scent-free environment and store easily in the provided storage bag
- Machine wash the outer covering, then dry in a warm dryer
- Sold in pairs

Large

- Fits most adult high-fidelity manikins and standardized patients

SB50965U Sh. wt. 5.50 lbs.

Small

- Fits most adult static and birthing manikins, and standardized patients

SB50966U Sh. wt. 5.50 lbs.



SimObesityShirt™ Adult Obesity Simulation

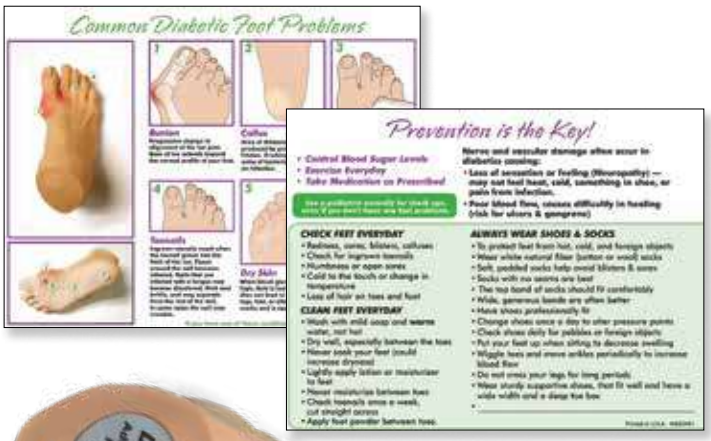
- Fits adult manikins from all major suppliers as well as standardized patients, students, and instructors
- Weighted pendulous breasts and pannus create deep skin folds that can highlight the need for thorough assessment of the bariatric patient's skin
- Weighted pannus provides realistic catheterization challenges
- Large upper arm size makes students assess the appropriate blood pressure cuff size needed
- Students must lift the breasts to obtain more direct contact with the chest wall for clearer sounds
- Contains bilateral deltoid injection sites and an abdominal site for subcutaneous injections
- Includes all padding and weights needed for realism, as well as fully washable skin and storage bag
- NOTE: The foam, fiber-filled form and weighted sacks must be kept dry at all times, as getting the garment wet will void your warranty

SB50971U Sh. wt. 17 lbs.

SimObesitySuit JR™ Pediatric Obesity Simulation

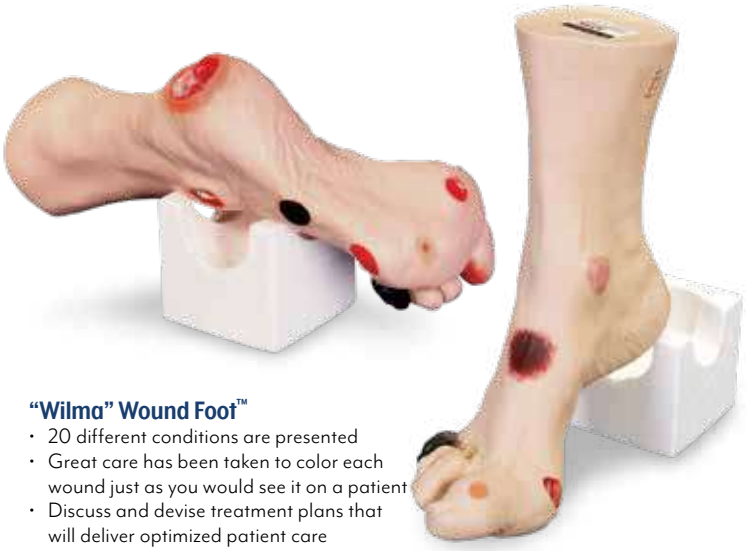
- 1-piece jumpsuit zips up in the back and fits pediatric manikins representing a 5- to 7-year-old
- Suit has bilateral injection sites and allows access to the perineum

SB50972U Sh. wt. 11 lbs.





WA29842U



"Wilma" Wound Foot™

- 20 different conditions are presented
- Great care has been taken to color each wound just as you would see it on a patient
- Discuss and devise treatment plans that will deliver optimized patient care
- Wounds include: pressure ulcers, deep tissue injury, callus, amputated toe, gangrene, maceration, partial-thickness wounds, corn, ingrown toenail, blister, hammer toes, and skin stapled wound
- 12½ in. L x 8 in. W x 3⅝ in. H
- Includes positioning base for "hands-free" access to all the sites when applying dressings or teaching

SB46503U Sh. wt. 5 lbs.

Carry/Storage Case for "Wilma" Wound Foot™

SB47339U Sh. wt. 2.25 lbs.

Complete Diabetic Foot Care Education

- This comprehensive kit for teaching about common foot problems and proper foot care includes:

The Common Foot Problems Display

- Incredibly realistic, life-size, hand-painted ***Life/form***® foot replica molded from an actual human foot
- Abnormalities include bunion, callus, corn, inflamed toenail, open sore, and dry, cracked skin



WA21216U



SB43091U

The Unhealthy Foot Care Kit

- Hand-painted ***Life/form***® foot replica shows the distal end of the foot with an invasive wound on the bottom of foot and surface inflammation around the big toe and second toe
- Life-size foot is constructed of soft, lifelike material with flexible toes

Common Diabetic Foot Problems TearPad™

- Explains common diabetic foot problems in a clear and easy-to-understand format
- Emphasizes eating properly and keeping blood glucose under control
- Front side explains common foot problems and the back side gives tips on how to care for feet, highlighting some of the dos and don'ts

WA29842U Sh. wt. 4.25 lbs.



SB43092U

Life/form® **Common Foot Problems Display**

- Includes 3 information sheets, plus a reproducible Diabetic Foot Screen sheet (all 8½ in. x 11 in.)
- 9 in. L x 3¾ in. W x 4½ in. H

WA22223U Sh. wt. 0.94 lbs.

Life/form® **Unhealthy Foot Care Kit**

- Includes a 4-page, 8½ in. x 5½ in. booklet providing information on foot care with diabetes
- ©2000

WA21216U Sh. wt. 0.50 lbs.

Nasco Common Diabetic Foot Problems TearPad™

- Pad of 50 sheets, 11 in. x 8½ in.

WA25981U Sh. wt. 0.81 lbs.

Diabetic Foot Models

- Diabetic Foot Model features 3 ulcers in various stages of development as well as other features commonly associated with diabetes
- Severe Diabetic Foot Model illustrates more severe consequences of diabetes, including an amputated toe, Charcot foot deformity, severe infection, and gangrene
- Includes carry case and instruction card
- 9½ in. L x 3½ in. W x 4 in. H

Sh. wt. 3 lbs.

SB43091U Diabetic Foot Model
SB43092U Severe Diabetic Foot Model

Diabetic Foot Model Set

- Includes both models listed above

SB43093U Sh. wt. 5.50 lbs.



Life/form® Elderly Pressure Ulcer Foot

- Pressure ulcers are more likely to appear over pressure points such as heels, tips of toes, between toes, or anywhere the bones may protrude and rub against socks, shoes, or bed sheets
- Replica contains all 4 severity stages:
  - Stage 1 — Located on the bottom of the toe. Surface of the skin is red
  - Stage 2 — Located on the bottom of the foot just under the toe. Surface of the skin is red and deeper into the skin layers
  - Stage 3 — Located on the side of foot. Skin surface is red, looks like a crater and reaches bottom layer of skin
  - Stage 4 — Located on the heel of the foot. Surface of the skin is red. A great amount of tissue has been damaged, including muscle, bone, joints, and tendons
- Includes a foot and instruction key card
- 9½ in. L x 4 in. W
- 5-year warranty

LF00933U Light **LF00944U** Dark Sh. wt. 2.50 lbs.

***Life/form*® skin tones available:** Light Medium



Life/form® Advanced Foot Problems

- Replica demonstrates advanced stages of a realistic, unhealthy foot with dry, cracked skin; a bunion; callus; corn; toenail fungus; a hammer toe; open pressure point sore; ingrown toenail; and gangrene
- Shows sores in progress and different common foot problems
- 9 in. L x 3¾ in. W x 4½ in. H

WA32206U Sh. wt. 0.94 lbs.



"Pat" Pressure Ulcer Model™



- Effective tool for identifying and staging pressure ulcers
- Displays Stage I, II, III, and IV pressure ulcers; an unstageable eschar/slough wound; an intact blister; open wound; undermining; tunneling; and exposed bone, tendon, and muscle
- Darkly pigmented skin section shows how different a Stage I, blood blister, and suspected Deep Tissue Injury may appear depending on the pigmentation
- DTIs have a "spongy/soft" feel that is especially helpful in darkly pigmented patients where visualization of the injury may not be apparent
- Routine cleansing and dressing changes can be taught and practiced on all wounds
- 8¼ in. x 12½ in. x 1¾ in.

SB46506U Sh. wt. 5.50 lbs.

Carry/Storage Case for "Pat" Pressure Ulcer Model™

SB47341U Sh. wt. 1.25 lbs.

Freddie Fistula™ Skills Trainer



- Features a realistic open abdominal wound with exposed intestines and 3 actively draining fistulas
- Central stomatized fistula is easily observed
- Non-stomatized and hidden fistulas add to the complexity of identifying effluent flow source and drainage management ability
- Practice employing various wound dressing materials and techniques (such as negative pressure wound therapy)
- Open any combination of the 3 fistulas to permit effluent flow
- Integral trainer base includes tray that can contain up to 700 ml of fluid
- Includes 500 ml effluent fluid bag, support rod, drainage tube, 1-quart bottle of effluent fluid concentrate, 3-way tube set with color-coded pinch clamps, and user manual
- 18 in. x 16 in. x 5 in.

SB51931U Sh. wt. 10 lbs.

Carrying Case

- Soft-sided design made of a durable fabric
- Features built-in supply pouch, handle, and shoulder strap
- 20 in. x 18½ in. x 8½ in.
- Fabric U.S.A.

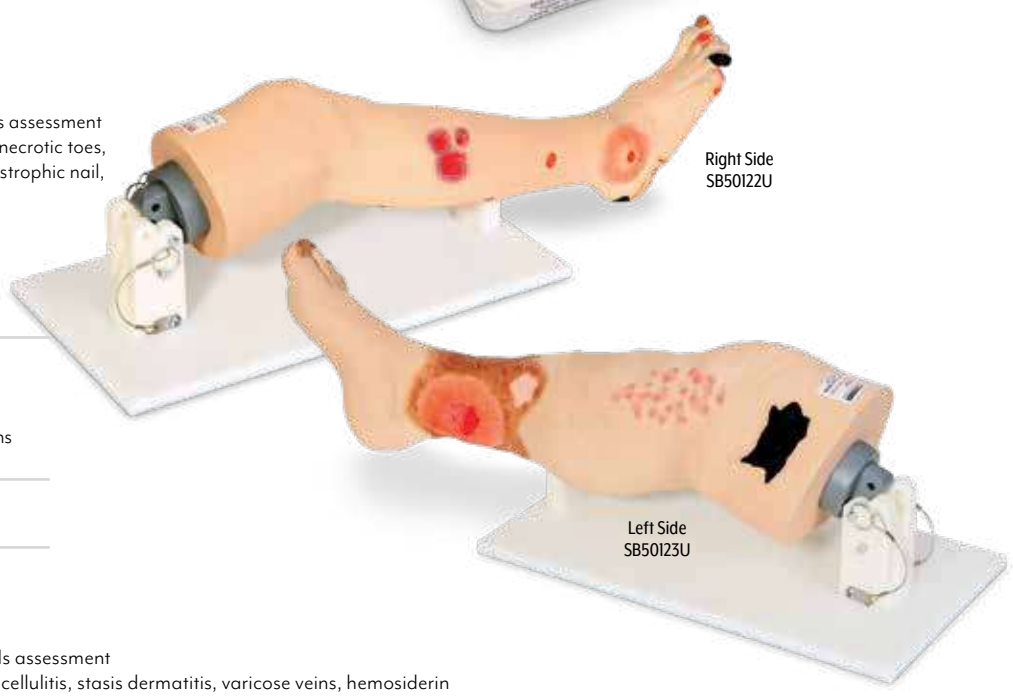
SB51932U Sh. wt. 7 lbs.

Stain-Resistant Effluent Concentrate

- Add distilled water and mix thoroughly
- 1-quart bottle

SB51933U Sh. wt. 1.25 lbs.

"Annie" Arterial Insufficiency Leg™



Right Side
SB50122U

Left Side
SB50123U

- Ideal for teaching, training, competency testing, and skills assessment
- The following conditions are represented: arterial ulcers, necrotic toes, eschar heel, Charcot foot, diabetic foot ulcer, cellulitis, dystrophic nail, mottling, and callous and heel fissures
- Includes a unique arterial doppler sound module with individual buttons to activate the following doppler sounds: monophasic, biphasic, triphasic, and venous
- Stand not included

SB50122U Sh. wt. 8 lbs.

Optional Display Stand

- Permits the leg model to pivot from above the knee
- Provides a realistic experience in supporting the leg while practicing dressing changes or identifying conditions

SB50124U Sh. wt. 5.50 lbs.

Replacement Ultrasound Doppler Sound Module

SB50121U Sh. wt. 0.63 lbs.

"Vinnie" Venous Insufficiency Leg™

- Use for teaching, training, competency testing, and skills assessment
- The following conditions are represented: venous ulcer, cellulitis, stasis dermatitis, varicose veins, hemosiderin staining, vasculitis, lipodermatosclerosis, calciphylaxis, pyoderma gangrenosum, healed foot ulcer, fungal thickened toenails, maceration, diabetic ulcer, atrophie blanche, pitting edema, and reticular and telangiectasia veins
- Can be used for teaching clinicians about compression wrapping
- Stand not included

SB50123U Sh. wt. 10 lbs.

Optional Display Stand

- Permits the leg model to pivot from above the knee
- Provides a realistic experience in supporting the leg while practicing dressing changes or identifying conditions

SB50124U Sh. wt. 5.50 lbs.

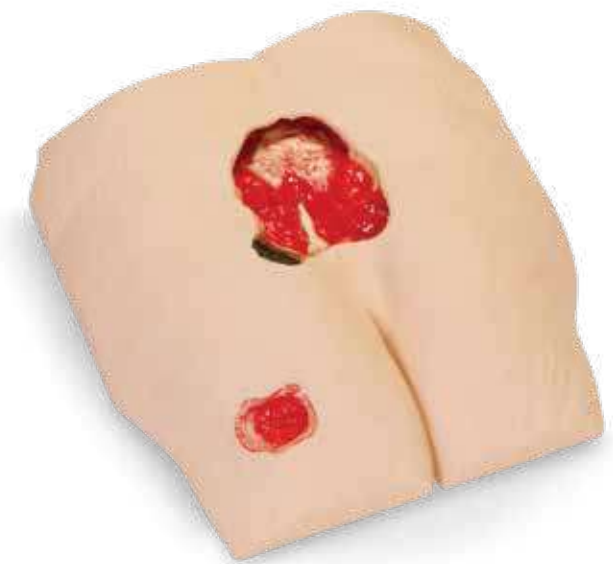


Life/form® Pressure Ulcer/Bedsore Models

- These models illustrate all 4 wound stages and are used to give instruction on the care and cleaning of the ulcers
- 4 stages include:
  - Stage 1 — Reddening, unbroken skin
  - Stage 2 — Open wound that is reddened with partial skin loss
  - Stage 3 — Deep, open wound that reaches through all layers of skin and into the muscle
  - Stage 4 — Severe, deep, open wound that reaches through all layers of skin and damages muscle, bone, tendons, and joints
- Includes 4 buttocks models representing each stage, 4 display easels, and instruction key card
- 6½ in. L x 6¼ in. W x 1 in. H
- 5-year warranty

LF00934U Light **LF00945U** Dark Sh. wt. 8 lbs.

***Life/form*® skin tones available:** Light Dark



"Stan" Stage IV Pressure Ulcer Model™

- Designed for teaching and training with vacuum-assisted closure and negative pressure wound therapy devices
- Features a large sacral Stage IV pressure ulcer (with exposed bone of the coccyx, undermining, tunneling, slough, and eschar) and a Stage III pressure ulcer on the left buttocks
- Large size and depth of the Stage IV pressure ulcer, as well as the undermining and tunneling, make it ideal for practicing the proper dressing and preparation of a large wound for use with a negative pressure wound therapy device
- The Stage III pressure ulcer is positioned so that the Stage IV can be dressed by itself or a "bridging" dressing can be applied to the Stage IV and Stage III to demonstrate and practice this skill
- Permits the application and removal of dressings without leaving an adhesive residue
- 9 in. L x 9 in. W x 4½ in. H

SB46505U Sh. wt. 3 lbs.

Carry/Storage Case for "Stan" Stage IV Pressure Ulcer Model™

SB47340U Sh. wt. 2.50 lbs.



Seymour II Wound Care Model

- Made with a flexible, lifelike material that permits the application and easy removal of dressings, without leaving an adhesive residue
- Displays the following pressure ulcers: Stage I; Stage II; Stage III with undermining, tunneling, subcutaneous fat and slough; and deep Stage IV with exposed bones, undermining, tunneling, subcutaneous fat, eschar, and slough
- Shows a suspected deep tissue injury, unstageable full eschar/slough wound, and 5½ in. dehisced wound
- Stage III and Stage IV are positioned so that a "bridging" dressing for use with a vacuum-assisted closure and negative-pressure wound therapy devices can be demonstrated and practiced
- Demonstrate and practice wound cleansing, classification, staging, and assessment, as well as the measurement of wound length, depth, undermining, and tunneling
- 12 in. L x 13½ in. W x 6 in. H

SB46502U Sh. wt. 5 lbs.

Carry Case for Seymour II Wound Model

- Durable, heavy-duty cloth case with storage area for dressing supplies
- 14¾ in. L x 14½ in. W x 8¼ in. H

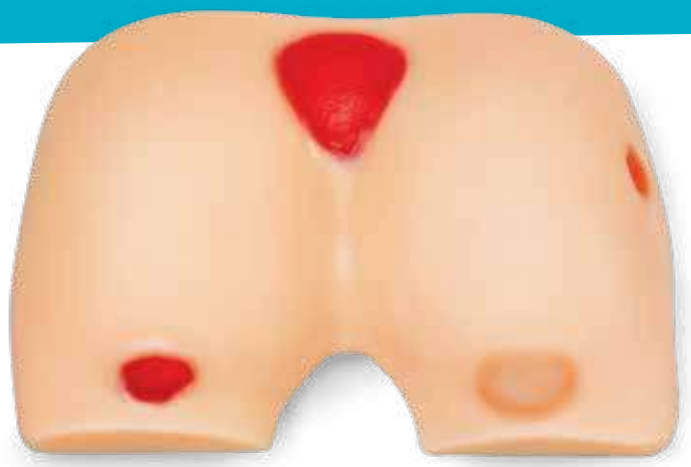
SB30098U Sh. wt. 4.25 lbs.



Life/form® Negative-Pressure Wound Therapy (NPWT) Trainers

- Trainers assist with the instruction of advanced therapy management for many types of acute and chronic wounds
- Unique trainers have different depths of wound care, including tunneling
- Use for demonstration of application, placement, and management of a negative-pressure wound therapy system and for the care of wounds
- Lifelike texture of the skin and realistic appearance of the wounds give added realism to training
- Corresponding wound care bandaging products can be used
- 8½ in. L x 8½ in. W x 2 in. D, 7 in. L x 7 in. W x 1 in. D, and 9 in. L x 9 in. W x 2½ in. D
- Pump device and bandaging supplies not included
- 5-year warranty

LF00948U Sh. wt. 8 lbs.



Bedsore Cleansing and Dressing Model

- Varying stages of pressure sores can be washed, treated with antiseptics or most medicines, and dressed — just like real flesh
- Includes aluminum carry case and draping sheet
- 14½ in. L x 9½ in. W x 3½ in. H

SB14941U Sh. wt. 11 lbs.

Life/form® Skin Cancer Trainers – Enlarged

- ***Life/form***® Skin Cancer Trainers have been developed to assist with educating health care providers about the various types of skin cancer and what they may look like
- Enlarged trainer shows a normal mole, basal cell carcinoma (basalioma), squamous cell carcinoma (spinalioma), and malignant melanoma
- Shows variations of how the different types of skin cancer may appear
- ***Life/form***® Skin Cancer Trainers include trainer, sturdy base, 2-sided informational key card, easel, and storage box
- 8½ in. x 11 in. x ¼ in. (½ in. with board)
- 5-year warranty

LF00950U Light **LF00951U** Dark Sh. wt. 3.50 lbs.



Advanced Stoma Package

- ⅞ in. dia. stoma
- 2 in. dia. stoma
- Urostomy stoma with 3 in. stents in place
- Loop stoma with rod
- Loop stoma without rod
- Double barrel stoma
- Oval stoma
- Mushroom stoma
- Prolapsed stoma
- 3 in. dia. stoma
- Granulomas stoma
- Necrotic stoma
- Ischemic stoma
- In-skin-fold stoma
- Parastomal hernia stoma
- Mucocutaneous separation stoma
- Recessed stoma
- Flush stoma
- Ileal conduit
- Small intestinal loop
- Small intestine loop adapter
- Large intestine loop adapter

SB48422U Sh. wt. 2.75 lbs.

Soft-Side Carry Case

SB48423U Sh. wt. 8 lbs.



Respiratory, NG Tube & Trach Care

Life/form® Patient Education Tracheostomy Care Set

- Includes oral and nasal passages, pharynx, epiglottis, trachea, esophagus, tracheostomy site, and cricoid cartilage
- Mouth and jaw are flexible to allow oral suctioning
- Trachea branches into the left and right bronchial trees
- Practice suctioning techniques, proper cuff inflation, dressing changes, and other techniques
- Cleansing and maintenance of the external tracheal site can be performed
- Set includes adult and infant manikin, adult and infant tracheostomy tube, instruction manual, and hard carry case
- 5-year warranty

LF01159U Sh. wt. 22 lbs.

Adult Tracheostomy Care Manikin

- Includes tracheostomy tube, instruction manual, and hard carry case
- 5-year warranty

LF01168U Sh. wt. 20 lbs.

Adult Tracheostomy Tube

- 6.0 mm

LF01170U Sh. wt. 2.50 lbs.

Infant Tracheostomy Care Manikin

- Includes tracheostomy tube, instruction manual, and hard carry case
- 5-year warranty

LF01167U Sh. wt. 13 lbs.

Infant Tracheostomy Tube

- 3.0 mm

LF01171U Sh. wt. 0.25 lbs.



Simulaids NG Trainer

- Economic trainer for instruction of nasogastric tube insertion and care
- No moving parts and simple construction assure longevity
- Replacement parts are limited to the stomach bag so cleanup is easy and quick

160-8551U Sh. wt. 5.50 lbs.





Life/form® NG Tube & Trach Skills Simulator



- Realistic landmarks, trachea, esophagus, lungs, and stomach
- Thickener can be mixed with water to simulate mucous-like fluids of a real patient
- Fluid can be added for realistic tracheostomy care and suctioning
- Allows for the practice of dressing changes and cuff inflation
- Realistic procedures include NG tube care, including insertion, irrigation, and removal; gastric lavage and gavage; feeding tube insertion and removal with the ability to practice feeding; nasoenteric and esophageal tube care; oropharyngeal and nasopharyngeal care; and tracheostomy tube care
- Intubation using a laryngoscope blade and size 6.0 ET tube may also be practiced
- Designed to use size 6 tracheostomy tube, a size 6.0 mm ET tube, and a size 6 NG tube
- Includes spray-pump lubricant, a packet of thickener, instruction manual, and hard carry case
- Simulator does NOT include tracheostomy, ET, or NG tubes
- 5-year warranty

LF01174U Sh. wt. 24 lbs.

Used for instruction, training, and practice of vital tracheostomy skills and care for patients with respiratory conditions; plus instruction of gastrointestinal care procedures through nasal and oral access.

Replacement Lungs

LF01174(A)U Sh. wt. 3 lbs.

Replacement Stomach

LF01174(B)U Sh. wt. 0.19 lbs.

Life/form® Tracheostomy Care Simulator



- Oral, nasopharyngeal, nasotracheal, and tracheal suctioning techniques; proper cuff inflation; dressing changes; cleansing of stoma; and other techniques can be practiced and critiqued
- Replicates an adult male containing oral and nasal passages and all appropriate anatomy (pharynx, epiglottis, trachea, esophagus, stoma, cricoid cartilage, and representative cervical vertebrae)
- Chest area contains left and right bronchi and the bronchial tree
- Esophagus ends 2 in. below the trachea opening
- Side of the neck and chest area over the bronchial tree allow viewing of the suction and trachea tube
- Viewing window at the bottom of the simulator shows the location of a suction catheter in the right bronchus (seen) or left bronchus (unseen)
- Includes instruction manual and hard carry case
- Tracheostomy tube is NOT included
- 5-year warranty

LF01083U Sh. wt. 25 lbs.



Breast Examination

unparalleled realism for clinical and self-breast examination

Life/form® Advanced Breast Exam Simulator

- Tissue density varies within the simulated breast
- Tumors of varying sizes (1-4 cm diameter), shapes (round, oval, irregular/stellate), and densities can be inserted by the instructor for an expanded combination of training scenarios
- Tumors represent adenomas, cysts, malignant tumors, and enlarged lymph nodes
- Torso is correctly positioned in the supine position and allows access to both axillae
- Features palpable ribs, sternum and clavicles, and enlarged lymph nodes in the axillary and subclavicular areas
- 5-year warranty
- Peau d'orange ("orange peel skin") with inflammation, inverted nipple, skin dimpling, and asymmetry are also depicted on the incredibly realistic skin
- Designed for supine or upright examination
- Training may also be done without the overlay skin
- Includes a rigid underbody, right and left breast inserts, overlay skin, 3 tumor sets (27 lumps), 9 soft nodules to represent soft breast tissue, 1 hard lump to represent chest wall infiltration, baby powder, instruction manual, and hard carry case
- 14 in. W x 11 in. H x 6 in. D

LF00980U Sh. wt. 17 lbs.



Left Breast Replacement
LF00980(A)U Sh. wt. 2 lbs.

Right Breast Replacement
LF00980(B)U Sh. wt. 1.50 lbs.

Replacement Tumor Set – 27 Lumps
LF00980(C)U Sh. wt. 0.50 lbs.



LF00980(C)U

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.





LF00974(B)U



LF00973U



Nasco Complete Breast Examination Education Kit

- Includes the ***Life/form***® Single Breast Examination Trainer (LF00970U or LF00977U), Nasco Breast Self-Examination Poster (LF00973U), Nasco Breast Self-Examination TearPad™ (LF00971U)

Sh. wt. 7 lbs.

LF00975U With Light Trainer
LF00975(B)U With Dark Trainer

Life/form® Single Breast Examination Trainer with TearPad™

- Includes the ***Life/form***® Single Breast Examination Trainer (LF00970U or LF00977U) and Nasco Breast Self-Examination TearPad™ (LF00971U)

Sh. wt. 2 lbs.

LF00974U With Light Trainer
LF00974(B)U With Dark Trainer

Nasco Breast Self-Examination Poster & TearPad™

- Describes the breast self-examination (BSE) method, variations of self-examinations, changes to look and feel for, and important facts to remember

Breast Self-Examination Poster

- 18 in. x 24 in.

LF00973U Sh. wt. 0.19 lbs.

Breast Self-Examination TearPad™

- Double-sided
- Pad of 50 sheets; 8½ in. x 11 in. each

LF00971U Sh. wt. 0.81 lbs.

Life/form® Single Breast Examination Trainer

- Demonstrate proper manual examination and discussion of normal and abnormal findings
- Soft, lifelike simulated breast tissue fits over a sturdy base with molded ribs
- Interchangeable lumps and nodules of various sizes, shapes, and densities can be placed within the breast in any combination, offering a complete educational experience
- Peau d'orange area on skin represents inflammatory breast cancer (IBC)
- Dimpling indicates invasive disease
- Includes 4 soft (pink) nodules that represent normal tissue; 3 medium (white) lumps; and 4 hard (red) lumps, including a fixed-wall tumor
- Lumps and nodules vary in size from 1-3 cm, are round and irregular in shape, representing both cysts and malignant tumors
- Includes baby powder, instruction card, and soft carry case
- 5-year warranty

LF00970U Light **LF00977U** Dark Sh. wt. 2.50 lbs.

Replacement Lump and Nodule Set

- Includes 11 replacement lumps and nodules

LF00970(A)U Sh. wt. 0.38 lbs.

Life/form® skin tones available: Light Dark

ultimate simulator for self-breast examination training



Life/form® Breast Examination Simulator

- Special skin creates a lifelike look and feel
- Realistic fluid breast mass allows displacement of breast tissue under palpation almost exactly as it occurs in a live patient
- Left breast has a small nodule in the upper outer quadrant and a fibroadenoma in the lower inside quadrant
- Right breast has a fixed lump in the upper outer quadrant, and a fluid-filled cyst in the lower inside quadrant
- Practice all phases of breast examination in both a sitting and supine position
- Lightweight simulator designed with a concave back to allow ease in demonstrating or practicing palpation techniques
- Use as a body overlay or attach to body for a standing examination
- Includes a neck strap (3-ft. long) and a waist strap (4-ft. long) that are adjustable and can be strapped on, instruction manual, and American Cancer Society Guide to Breast Examination
- 5-year warranty

LF00984U Sh. wt. 6.50 lbs.

Breast Replacement, Right
- Contains fixed lump, fluid filled cyst, and round lump

LF01014U Sh. wt. 1.50 lbs.

Breast Replacement, Left
- Contains small nodularity and fibroadenoma

LF01015U Sh. wt. 1.50 lbs.



Wearable Breast Self-Examination Model

- Easily worn to better train and practice breast self-examination
- Displays the skin in finest detail; very realistic to the touch and dermatologically tested
- Breast examination is possible in both upright or lying positions
- Benign and malignant tumors in different stages of development hone self-examination skills (2 benign tumors, 4 malignant tumors, and 2 typical anomalies)
- Includes "Female Breast" chart, talcum powder, harness, and stand
- 22 in. L x 17¼ in. W x 9½ in. H

SB50169U Model w/Carry Case. Sh. wt. 30 lbs.
SB41504U Model Only. Sh. wt. 16 lbs.

Gaumard® Breast Self-Examination Simulator

- State-of-the-art materials to create a realistic look, feel, and texture
- Excellent platform to teach how to perform breast examinations as well as demonstrate self-examination techniques
- Left breast contains 4 masses in the breast tissue and 2 masses in the axilla region
- Masses range in size from 14 mm to 19 mm, and their depths range from 6 mm to 16 mm
- Right breast contains 2 masses designed to simulate an enlarged axillary lymph node and 2 fluid-filled cysts (19 mm and 24 mm)
- Includes user guide, a Breast Examination Learning Package CD, and carry case

Sh. wt. 13 lbs.

SB32869(L)U Light **SB32869(M)U** Medium **SB32869(D)U** Dark

Gaumard® skin tones available: Light Medium Dark



Breast & Testicular Examination

vivid representations of common breast conditions

Life/form® Common Breast Conditions Replicas

- Made of soft, lifelike material
- Includes an instruction card and storage box

Inverted Nipple

- Represents a breast with a nipple protruding inward

LF00860U Sh. wt. 1.25 lbs.

Mastitis

- Represents an inflamed breast due to bacterial infection on a damaged nipple

LF00861U Sh. wt. 1.25 lbs.

Flat Nipple

- Represents a breast with a nipple not protruding outward

LF00862U Sh. wt. 1.25 lbs.



LF00860U

LF00862U

LF00861U

Lactating Breast

- Functional and easy to use
- Use to train medical staff, a new mother, or a mother-to-be
- Includes a syringe with tubing, and lubricant

LF00863U Sh. wt. 1.50 lbs.

Set of 4

- Includes 1 of each ***Life/form***® breast replicas listed

LF00864U Sh. wt. 6 lbs.



LF00863U

Left Breast Model

- Made of durable, lifelike material
- Embedded lumps simulate fibrocystic mass and typical tumor
- Also contains a lactiferous duct
- Back side of 8¼ in. x 6¼ in. education card shows locations of irregular masses
- Art on the 8⅞ in. x 6¼ in. base shows common self-inspection patterns
- 8¾ in. x 6¼ in. x 3 in.

SB52334U Sh. wt. 2.25 lbs.



Simulaids Breast Self Examination (BSE) Trainer

- Flesh-based product for realistic practice
- Within the breast resides 5 lumps representing different disease states: cysts (fluid related), fibroadenomas (calcifications), sclerosing adenosis, or fat necrosis
- Emulates the natural consistency of a breast
- Material is also very durable so that constant use in labs or teaching facilities won't wear it out or tear it
- 3-year warranty

160-1040U Sh. wt. 1.25 lbs.



master proper palpation techniques

Life/form® Testicular Exam Simulator

- Providing exceptional realism, this simulator features soft, thin outer skin with delicate underlying structures and 4 embedded, simulated tumors
- Includes baby powder, laminated tumor location and simulator care card, Male Self-Exam brochure, and storage box
- Optional carry case is available
- 5-year warranty

LF01143U Sh. wt. 1.25 lbs.

LF01143(A)U Testicles Only. Sh. wt. 0.31 lbs.

Carry Case

- Blue nylon case with zip closure and carry handle
- 10 in. L x 7 in. H x 3½ in. D

LF03461U Sh. wt. 0.31 lbs.



INJECTION

Injection & Venipuncture.....I-2 – I-22
Advanced MultiVenous IV & Injection Arm.....I-2
Simulated Medications.....I-24 – I-30

Be
READY



Injection & Venipuncture











Life/form® Advanced MultiVenous IV & Injection Arm

Offer real-world instruction with the best representation of an Adult IV Training arm on the market! The ***Life/form***® Advanced MultiVenous IV & Injection Arm provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections. Under normal use, hundreds of injections may be performed! Superior new skin offers fine details to make the arm look and feel alive! Soft, flexible fingers are molded separately with extreme attention paid to every detail — right down to the fingerprints! Palpable veins throughout this extensive 8-line vascular system allows practice of venipuncture at all primary and secondary locations, including starting IVs and introducing over-the-needle IV catheters.

- Complete venous access to Basilic V., Cephalic V., Digital V., Dorsal Metacarpal V., Median Basilic V., Accessory Cephalic V., extensive venipuncture system, flexible fingers and wrist, intradermal injections, intramuscular injections, Median Antebrachial V., Median Cephalic V., Median Cubital V., replaceable skin, veins, and Thumb V. In addition to a narrowed floating vein site.
- Skin rolls as the veins are palpated and a discernible "pop" is felt when entering the veins. Intramuscular injections may be performed in the deltoid muscle. Intradermal injections will create characteristic skin welts at designated sites on the upper arm. Flexion of the wrist helps develop manipulation skills. Skin, veins, and deltoid muscle are completely replaceable!
- Includes simulated blood, one 3 cc syringe, one 12 cc syringe, needle, 2 fluid bags, directions for use, and soft carry case
- Fluid supply stand available separately
- 5-year warranty

Light
LF01271U Each. Sh. wt. 20 lbs.

Medium
LF01272U Each. Sh. wt. 22 lbs.

Dark
LF01273U Each. Sh. wt. 20 lbs.

Life/form® Advanced MultiVenous IV & Injection Arm Skin & Vein Replacement

- Special, extremely thin, synthetic skin, and tubing with appropriately small lumen and thin walls
- Cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand
- 5-year warranty

Sh. wt. 2.75 lbs.

LF01274U Light
LF01275U Medium
LF01276U Dark

Vein Replacement Kit
LF01277 Sh. wt. 1.50 lbs.





LF01121U

Realistic flashback and easy to use



LF01126U

Life/form® Advanced Venipuncture and Injection Arm

Provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections

- 8-line vascular system allows practice of venipuncture including starting IVs and introducing over-the-needle IV catheters
- Complete venous access
- Intradermal injections will create characteristic skin welts at designated sites on the upper arm
- Replaceable Deltoid Muscle for Intramuscular injections
- Flexion of the wrist helps develop manipulation skills
- Skin and veins are completely replaceable
- Includes simulated blood, one 3 cc syringe, one 12 cc syringe, needle, 2 fluid bags, instruction manual, and soft carry case
- 5-year warranty

Light

LF01121U Each. Sh. wt. 20 lbs.
LF01121(A)U Pkg. of 25. Sh. wt. 605 lbs.

Medium

LF01250U Each. Sh. wt. 22 lbs.
LF01250(A)U Pkg. of 25. Sh. wt. 606 lbs.

Dark

LF01126U Each. Sh. wt. 20 lbs.
LF01126(A)U Pkg. of 25. Sh. wt. 605 lbs.

Replacement External Tubing

LF00990U Sh. wt. 0.25 lbs.

Skin and Vein Replacement Kits

Sh. wt. 2.75 lbs.
LF01122U Light
LF01251U Medium
LF01123U Dark

Vein Replacement Kit

LF01124U Sh. wt. 1.50 lbs.

Tubing Sealant

LF01099U Sh. wt. 2 lbs.

Venous Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag

- 500 ml

LF01130U Sh. wt. 0.31 lbs.

Injection Pad Replacement

LF00991U Sh. wt. 0.25 lbs.

Replacement Vein Manifold

LF00993U Sh. wt. 0.31 lbs.

Vinyl Adhesive

- Repair adhesive for all *Life/form*® products
- 2 tubes, 1 oz.

LF00996U Sh. wt. 0.25 lbs.

Nasco Cleaner

- Use to remove stubborn stains from *Life/form*® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Intradermal Sealant

- 2-oz. bottle

LF01009U Sh. wt. 0.25 lbs.

Life/form® skin tones available: Light Medium Dark



Injection & Venipuncture



LF00698U

Life/form® Adult Venipuncture and Injection Training Arm

- Venipuncture and injection techniques including starting IVs and introducing over-the-needle IV catheters
- Realism begins with fine detail — right down to the fingerprints
- Realistic feeling of puncture through the skin and veins with realistic flashback
- Veins are accessible at the antecubital fossa, along the forearm, and at the back of the hand, making it possible to practice venipuncture at any of the common sites
- Practice of intramuscular injection
- Designed with replaceable skin and veins
- Includes a ***Life/form***® arm with skin, 22-gauge needle, butterfly set, infusion set, 3 cc syringe, 12 cc syringe, ***Life/form***® blood, fluid supply bags, instruction manual, and soft carry case
- 5-year warranty

Sh. wt. 22 lbs.

LF00698U Light **LF01252U** Medium **LF00997U** Dark

Life/form® skin tones available: Light Medium Dark

Available Supplies for *Life/form*® Adult Venipuncture and Injection Arm

Skin and Vein Replacement Kit

Sh. wt. 2.25 lbs.

LF00966U Light
LF01253U Medium
LF00987U Dark

Vein Replacement Only

LF01055U Sh. wt. 0.69 lbs.

Tubing Sealant

LF01099U Sh. wt. 2 lbs.

Venous Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Life/form® IV Arm Circulation Pump

- Semi-closed system provides a continuous flow of blood
- Includes tubing adapters, tubing assembly, a spare section of tubing, 120V (60 Hz) power cord, 9V battery power adapter, and a fluid supply bag with clamps
- See previous page for full description

LF00699U Sh. wt. 2.75 lbs.

Replacement Fluid Supply Bag for IV Arm Circulation Pump

LF00699(A)U Sh. wt. 0.31 lbs.

Replacement Tubes for IV Arm Circulation Pump

LF00699(B)U Sh. wt. 0.31 lbs.

Vinyl Adhesive

- Repair adhesive for all ***Life/form***® products
- 2 tubes, 1 oz.

LF00996U Sh. wt. 0.25 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators and trainers
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Fluid Supply Bag

- 500 ml

LF01130U Sh. wt. 0.31 lbs.

Fluid Supply Stand

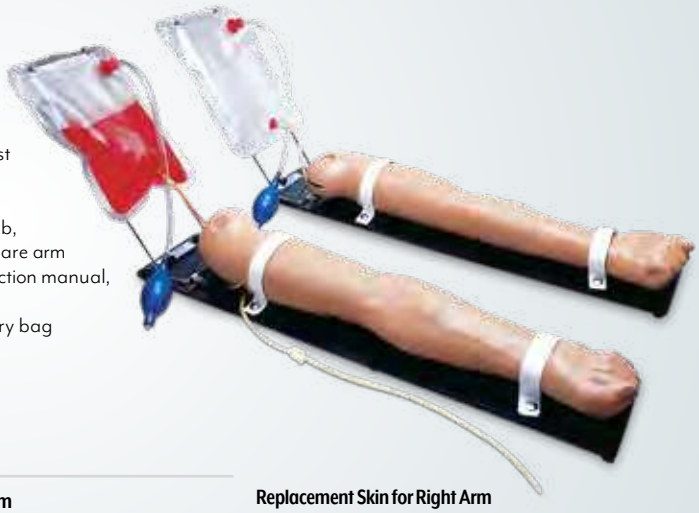
- 28 in. H with 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Gaumard® Advanced Multipurpose Venous Training Arm

- IV, IM, and sub-Q training
- Arm rotates 180° at deltoid region
- Subtle venous network in arm and hand
- Cephalic, basilic, antecubital, radial, and ulnar veins
- Realistic "pop" as needle enters vein
- Intramuscular injection site in deltoid area
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Squeeze bulb to increase or decrease venous pressure
- Veins stand out or collapse
- Easily replaceable skin and veins
- Administration of medication by intravenous bolus
- Simulation of infusion technique
- Blood collection exercises with simulated blood
- Simulation of clenched fist and tourniquet position
- Includes simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, funnel, powder, instruction manual, smoked Lucite® base with stand, and soft nylon carry bag

Sh. wt. 9 lbs.



Left Arm

SB32870(AL)U Light
SB32870(AM)U Medium
SB32870(AD)U Dark

Right Arm

SB32870(BL)U Light
SB32870(BM)U Medium
SB32870(BD)U Dark

Replacement Veins

SB50851U Sh. wt. 1.25 lbs.

Replacement Skin for Left Arm

Sh. wt. 1.25 lbs.

SB50853(L)U Light
SB50853(M)U Medium
SB50853(D)U Dark

Replacement Skin for Right Arm

Sh. wt. 1.25 lbs.

SB50852(L)U Light
SB50852(M)U Medium
SB50852(D)U Dark

Gaumard® skin tones available: Light Medium Dark



SB23444(M)U

Gaumard® Multipurpose Venous Training Arm

- Administration of medication by intravenous bolus
- Blood collection exercises
- Intramuscular injection site in deltoid area
- Cephalic, basilic, antecubital, radial, and ulnar veins
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Veins in dorsum of hand
- Includes Lucite® base with stand, simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, funnel, talcum powder, instruction manual, and soft carry bag

Sh. wt. 8.50 lbs.

SB23444(L)U Light
SB23444(M)U Medium
SB23444(D)U Dark

Replacement Veins

SB50849U Sh. wt. 1.25 lbs.

Replacement Skin

Sh. wt. 1.25 lbs.

SB50850(L)U Light
SB50850(M)U Medium
SB50850(D)U Dark

Simulaids Deluxe IV Training Arm

- Full arm IV trainer gives unlimited access to the major veins in the arm, hand, and deltoid IM injection site
- Antecubital, basilic, and cephalic sites, coupled with the dorsal metacarpal veins, allow practice of various area skills
- Includes blood reservoirs, blood powder, tray, and carry bag
- 3-year warranty

Sh. wt. 17 lbs.

140-120U Light
140-120BU Dark



Deluxe IV Replacement Skin

Sh. wt. 2 lbs.

140-390U Light
140-390(B)U Dark

Deluxe IV Replacement Vein Kit

101-367U Sh. wt. 0.19 lbs.

Blood Powder

- Makes 1 gallon

800-225U Sh. wt. 0.38 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Reservoir Bag

140-615U Sh. wt. 0.19 lbs.

Injection & Venipuncture

Geriatric IV Training Arm

- Veins will roll away or disappear as you attempt to catheterize the vessel and a specially developed, lifelike skin
- Ideal for training anyone who works with the aged
- Includes blood powder, IV bag, and carry bag
- 3-year warranty

140-610U Sh. wt. 16 lbs.

Geriatric Arm Replacement Skin & Veins

140-611U Sh. wt. 2.75 lbs.

Geriatric Arm Replacement Veins

140-612U Sh. wt. 0.19 lbs.



Deluxe IV Injection Arm

- Allows realistic training to teach competence to medical staff
- Suitable for group instruction because of its high-quality stain resistance and easy-to-clean soft material
- Ideal for practicing the following:
  - o Correct puncture of peripheral veins for blood sampling
  - o Intravenous injections
  - o Positioning of a butterfly catheter
- The following veins can be punctured:
  - o Basilica vein
  - o Cephalic vein
  - o Dorsal venous rete of hand
  - o Median cubital vein
- Made of 3B SKINlike™ silicone
- Includes injection arm with already mounted tubing system, infusion bottle, stand, 250 ml bottle of 3B Scientific® artificial blood concentrate, plastic cup, disposable syringe, 2 injection cannulas (recommended cannula size: 20 and 21 gauge), 2 tubing systems as replacement parts, and container of talcum powder

SB25998U Sh. wt. 8 lbs.

Replacement Skin

SB28908U Sh. wt. 1.50 lbs.

Replacement Infusion Bottle

SB28909U Sh. wt. 0.50 lbs.

Artificial Blood Powder Concentrate

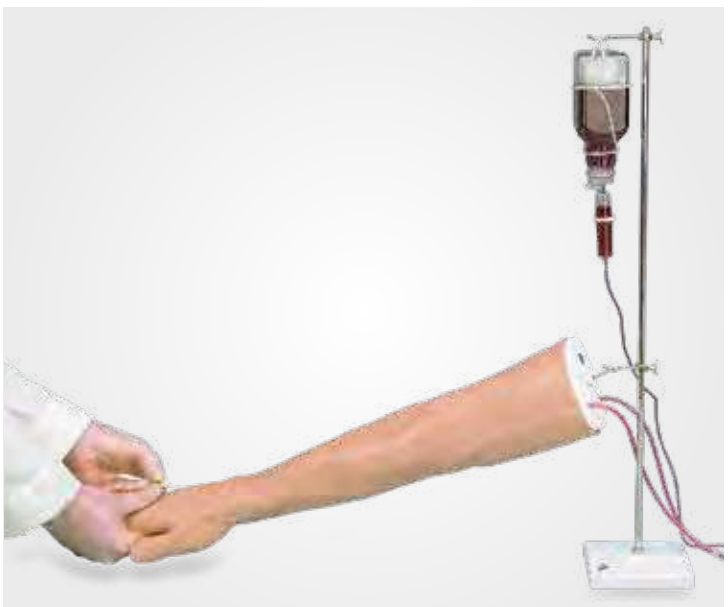
- ½-oz. bottle

SB45268U Sh. wt. 0.19 lbs.

Tubing System

- Pkg. of 3

SB28911U Sh. wt. 0.38 lbs.



LifeLike VI Box with Arm Arch Venipuncture Pump

- Affordable, portable, reusable wet lab box for evaluating all vascular anastomosis skills
- Train on the following skills:
  - o Deep and peripheral intravenous access
  - o Distal and proximal vascular anastomosis
  - o Femoral and carotid endarterectomy
  - o Femoral cannulation
  - o Incision, dissection, and exposure
  - o Ultrasound
- Use the pulsatile flow pump for arteries or continuous flow pump for veins to check for the quality of the repair
- Use with any LifeLike or silicone femoral or carotid arteries
- Charges via reusable battery
- Odor-free and nontoxic
- Includes 1 box and 1 pad for both ultrasound-guided IV access and vascular anastomosis

SB52872U Sh. wt. 1.25 lbs.





Life/form® Pediatric Arm

- Exact reproduction of the arm of a 6-year-old child
- Practice venipuncture and intramuscular injection techniques and procedures used in young children
- Soft foam is used to simulate the deltoid muscle and allows the student to "get the feel" of administering intramuscular injections to children
- Simulated bone in the shoulder defines and limits the injection area
- Water may be used as an injection fluid in the shoulder area
- Includes a ***Life/form***® arm, fluid supply bag, 3 cc syringe, 1 pint ***Life/form***® blood, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty
- Carton size: 22 in. x 11 in. x 6 in.

Sh. wt. 11 lbs.

LF00958U Light **LF01258U** Medium **LF01257U** Dark

Pediatric Arm Replacement Skin and Vein Kit

Sh. wt. 1.50 lbs.

LF00986U Light **LF01260U** Medium **LF01259U** Dark

Pediatric Arm Vein Replacements Only

LF01056U Sh. wt. 0.25 lbs. ***Life/form***® skin tones available: Light Medium Dark



Laerdal® Infant IV Arm – US Only

- Venipuncture procedures and fluid administration in the superficial veins of the hand
- Venipuncture possible in antecubital fossa and dorsum of the hand
- Fluid may be infused for realistic flashback

LG02017U Sh. wt. 1.75 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators and trainers
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.



Life/form® Infant IV Arm

- Special, extremely thin, synthetic skin, and tubing with appropriately small lumen and thin walls
- Cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand
- Includes 2 IV bags with clamps, 1 pint blood, and winged infusion set
- 5-year warranty

LF03637U Sh. wt. 2.50 lbs.

Infant IV Arm Replacement Skin and Veins

LF03641U Sh. wt. 2.50 lbs.

Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Fluid Supply Bag

LF01130U 500 ml. Sh. wt. 0.31 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Life/form® Pediatric Head

- Functional head is realistically modeled to represent a 6-month-old infant
- Invaluable tool for demonstrating and practicing infusions and venipuncture in the temporal and jugular veins of a newborn to 12-month-old infant
- Temporal vein is easily accessible for IV infusions; practice in the jugular vein is equally realistic
- Neck is made of soft, flexible foam to provide a realistic feel of palpation and puncture
- Includes a head with skin and veins, fluid supply bag, 2 different gauge winged infusion needles, 1 pint blood, instruction manual, and hard carry case
- Fluid supply stand not included
- Replaceable skin and veins
- 5-year warranty

LF00999U Sh. wt. 9.50 lbs.

Pediatric Head Replacement Skin and Vein Kit

LF01003U Sh. wt. 2 lbs.

Pediatric Head Vein Replacements Only

LF01058U Sh. wt. 0.25 lbs.



Injection & Venipuncture

Life/form® Infant IV Leg

- Thin skin is paired with tubing featuring a small lumen and thin walls
- Greater and lesser saphenous veins and dorsal venous arch are accessible
- Includes 2 IV bags with clamps, 1 pint blood, 3 cc syringe, 22-gauge needle, and winged infusion set
- 5-year warranty

LF03636U Sh. wt. 2.75 lbs.



Infant IV Leg Replacement Skin and Veins

LF03639U Sh. wt. 2.50 lbs.

Infant IV Leg Replacement Veins

LF03640U Sh. wt. 2.25 lbs.

Venous Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Fluid Supply Bag

LF01130U 500 ml. Sh. wt. 0.31 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Tubing Sealant

LF01099U Sh. wt. 2 lbs.

Nita Newborn™ Infant Venous Access Simulator

- Unique, anatomically correct representation of a 4-lb., 16 in. female baby developed to teach and practice the vascular accessing of newborns and infants
- Practice accessing, securing, dressing, site care, and maintenance for standard venipuncture, central catheters, PICC lines, and umbilical 5 FR catheters
- Access the median basilic and axillary veins on the right and left arm
- Right leg — saphenous and popliteal veins
- Neck and head — external jugular and temporal (scalp) veins
- Umbilicus and umbilical valve allows catheterization of the umbilical catheter, with proper placement verified by a blood return
- Nasal and oral openings allow placement of nasal cannulas, as well as endotracheal, nasogastric, and feeding tubes to teach suctioning, securing, dressing, cleansing, care, and maintenance
- Includes female baby body; umbilicus; translucent skin on arm, leg, and head; I.D. bracelet; diaper; vein tubing with umbilical valve; blood reservoir bag with attached tubing; blood concentrate; instruction manual; and carry case

SB23925U Sh. wt. 4.75 lbs.



Replacement Skin and Vein Set

- Includes right arm skin, left arm skin, right leg skin, head-cap skin, and blue veins

SB45093U Sh. wt. 0.31 lbs.

Replacement Umbilicus

SB45094U Sh. wt. 0.19 lbs.

Replacement Umbilical Valve and Vein Set

- Umbilical valve with vein set attached
- Latex-free

SB47305U Sh. wt. 0.25 lbs.

Replacement Head Skin

SB50856U Sh. wt. 1.25 lbs.

Simulated Stain-Resistant Blood

- 1 quart (0.94 L)

SB52892U Sh. wt. 1.25 lbs.



Life/form® Complete IV Arm and Pump Set

- Complete set of IV arm simulators for blood collection, intravenous injection, and infusion
- Arms are designed to allow training in real clinical settings, with delicate needle-tip resistance and "flashback" confirmation
- Simulators feature soft material with realistic tactile feeling and offer true-to-life needle-tip resistance
- Circulation pump offers leak-free connections with easy setup and maintenance
- Comes complete with the ***Life/form***® Adult Injectable Training Arm (LF00698U), ***Life/form***® Pediatric Arm (LF00958U), ***Life/form***® Infant IV Arm (LF03637U), 3 pint bottles with simulated blood powder, 6 fluid supply bags, 3 syringes (3 cc), 2 butterfly sets, 2 needles (22-gauge), 6 white towelettes, 4 clamps, 12 cc Luer-lock syringe, 25-gauge infusion set, IV arm circulation pump, power adapter, battery power adapter, tubing assembly, pump tube replacement, and tubing adapters
- 5-year warranty

LF00706U Sh. wt. 37 lbs.

Life/form® Advanced Venipuncture and Injection Arm with IV Arm Circulation Pump

- IV arm circulation pump (listed below, LF00699U) offers a continuous flow of blood in a semi-closed system
- Includes Advanced IV arm, 2 pint bottles with simulated blood powder, 3 fluid supply bags with pinch clamps, 2-oz. bottle of intradermal sealant, 3 cc syringe with needle, 22-gauge needle, infusion butterfly, latex adapter, pinch clamp, circulation pump, power adapter, battery power adapter, tubing assembly, pump tube replacement, and tubing adapters
- 5-year warranty

Sh. wt. 15 lbs.

LF00686U Light Arm
LF00688U Medium Arm
LF00687U Dark Arm

Life/form® skin tones available: Light Medium Dark





keep blood flowing through *Life/form*® IV arms

Life/form® IV Arm Circulation Pump

- Sold complete with adapters to fit all of the ***Life/form***® IV arms, the IV Arm Circulation Pump could be easily modified to work with just about any IV product on the market
- Pump offers a semi-closed system that alleviates time spent on messy setup and cleanup
- With the correct setup, the pump can remain filled with simulated blood for extended periods of time
- Multiple power source options allow for full operation in extended or remote training sessions
- Variable flow rate and speed options allow for versatility with training scenarios
- Includes tubing adapters, tubing assembly, a spare section of tubing, 120V (60 Hz) power cord, 9V battery power adapter, and a fluid supply bag with clamps

LF00699U Sh. wt. 2.75 lbs.

Replacement Fluid Supply Bag
LF00699(A)U Sh. wt. 0.31 lbs.

Replacement Tubes
LF00699(B)U Sh. wt. 0.31 lbs.



Life/form® Advanced IV Hand

- Dorsal surface of the incredibly realistic hand includes injectable metacarpal, digital, and thumb veins
- Soft, flexible fingers with extreme attention to detail
- Develop important manipulation skills provided by the flexion of the wrist
- Skin rolls as you palpate the veins and characteristic "pop" can be felt when the vein is penetrated
- Simulated skin and veins are completely replaceable
- Includes 1 pint simulated blood, 2 IV bags, butterfly set, 3 cc syringe, 12 cc syringe, 22-gauge needle, and storage box
- 5-year warranty

Sh. wt. 7.50 lbs.

LF01139U Light **LF01255U** Medium **LF01146U** Dark

Replacement Skin and Veins
LF01140U Light. Sh. wt. 1.25 lbs.
LF01256U Medium. Sh. wt. 1.50 lbs.
LF01147U Dark. Sh. wt. 1.25 lbs.

Replacement Veins Only
LF01141U Sh. wt. 0.63 lbs.

Blood
LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Fluid Supply Stand
- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag
- 500 ml

LF01130U Sh. wt. 0.31 lbs.

Injection & Venipuncture



IV Hand and Arm

- Realistic forearm and hand, veined with flexible tubing
- IV placement, infusion of fluids, and drawing of blood
- Includes reservoir bags, carrying tray, and simulated blood powder (procedure needle not included)
- 3-year warranty

150-1374U Sh. wt. 3.50 lbs.

Replacement Skin

150-1381U Sh. wt. 1.50 lbs.

Replacement Veins

150-1382U Sh. wt. 1.50 lbs.

Blood Powder

- Makes 1 gallon

800-225U Sh. wt. 0.38 lbs.

IV Reservoir Bag

140-144U Sh. wt. 1.25 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.



practice IV insertion anywhere

Life/form® Portable IV Arm and Hand Trainers

- Self-contained trainers packaged in a plastic case that can be converted into a workstation
- Constructed of soft material with lifelike veins in the skin surface that are visible and palpable
- Veins are accessible at the antecubital fossa, along the forearm, the back of the hand, and thumb veins, making it possible to practice venipuncture at any of the common sites
- Skin rolls as you palpate the veins and the characteristic "pop" can be felt as the needle penetrates the vein
- Teach venipuncture techniques including starting IVs and introducing over-the-needle IV catheters
- Realistic flashback
- Skin and veins are not replaceable
- Included with each of the trainers are 2 IV bags, packet of blood powder and spoon, plastic fluid supply stand, 2 pinch clamps, 3 cc syringe, 12 cc syringe, 22-gauge needle, winged infusion set, and plastic clamshell storage case
- 5-year warranty

Sh. wt. 2.50 lbs.

IV Hand

LF00700U Light **LF00715U** Medium **LF00703U** Dark

IV Arm

LF00701U Light **LF00716U** Medium **LF00704U** Dark

Complete Set

- Includes both the Portable IV Hand and Arm listed above

Sh. wt. 5 lbs.

LF00702U Light **LF00717U** Medium **LF00705U** Dark



Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Replacement Blood, Red Only

LF01188U 5 packets. Sh. wt. 0.25 lbs.

IV Bags

- Includes 2 IV bags with tubing and connectors

LF00718U Sh. wt. 0.25 lbs.

IV Training Arm and Hand

- Permits detailed exercises in venipuncture so the technique can be mastered on a realistic model
- Palpate the arm and hand
- Locate the vein, introduce the needle (not included), and blood is withdrawn or fluid injected

IV Training Arm

- Includes blood powder and carrying tray
- 3-year warranty

Sh. wt. 4.50 lbs.

140-146U Light **140-146BU** Dark

IV Training Hand

- Includes blood powder and carrying tray
- 3-year warranty

Sh. wt. 3 lbs.

140-147 RU Light **140-147RBU** Dark

IV Training Arm and Hand Set

- Includes blood powder and carrying trays
- 3-year warranty

Sh. wt. 7 lbs.

140-140U Light **140-140BU** Dark



Replacement Skin, IV Training Arm

Sh. wt. 1.25 lbs.

140-142U Light **140-142BU** Dark

Replacement Skin, IV Training Hand

Sh. wt. 1.25 lbs.

140-141 RU Right, Light **140-141RBU** Right, Dark

simulaids skin tones available: Light Dark

Replacement Vein, IV Training Arm & Hand

140-143U Sh. wt. 0.31 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Blood Powder

- Makes 1 gallon

800-225U Sh. wt. 0.38 lbs.

Injection & Venipuncture

Advanced 4-Vein Venipuncture Training Aid

- Model has 4 barely discernible blue veins of 3 different diameters and a 4 vein deeply placed in a semi-transparent, tissue-like material which permits increased difficulty and improved skills
- Latex-free Dermalike™ provides 50% less needle drag when starting an IV and improved tear resistance to permit a greater number of needle "sticks"
- Skin rolls as the vein is palpated and a "pop" is felt as the needle enters the vein, followed by a realistic flashback of simulated blood confirming proper needle placement
- Both the withdrawal of blood and the injection of fluids can be practiced
- Practice the mechanics of the "no stick" IV catheters
- Upright backing plate is used as a protective snap-on cover over the tissue pad
- 5 in. L x 10 in. W x 1½ in. H

SB29869U Sh. wt. 3 lbs.

Advanced 4-Vein Venipuncture Training Aid and Carry Case

SB41560U Sh. wt. 6.50 lbs.

Simulated Stain-Resistant Blood

SB52892U 1 quart (0.94 L). Sh. wt. 1.25 lbs.

Optional Carry Case

- Includes storage pouch for supplies
- 14 in. x 10 in. x 2 in.

SB29870U Sh. wt. 2 lbs.


SB29869U

Venipuncture Training Aids

- Unique training aids permit realistic practice of starting an IV as well as the mechanics of "no stick" IV catheters
- Both models display blue veins that are barely discernible through the semi-transparent, tissue-like material
- Skin rolls as you palpate the vein and a "pop" is felt as the needle enters the vein
- 2-vein model has 2 different-sized veins positioned at the same depth
- 4-vein model has 3 veins of different diameters and a fourth vein deeply placed
- Latex-free Dermalike™ provides 50% less needle drag when accessing underlying veins and improved tear resistance which permits a greater number of needle "sticks"
- Comes with a protective, snap-on cover over the tissue pad
- 6½ in. L x 5½ in. W x 1¼ in. H

2-Vein Model

SB23526U Each. Sh. wt. 1.25 lbs.
SB25039U Pkg. of 5. Sh. wt. 3.75 lbs.

4-Vein Model

SB23527U Each. Sh. wt. 1.50 lbs.
SB25040U Pkg. of 5. Sh. wt. 5.50 lbs.

Simulated Stain-Resistant Blood

SB52892U 1 quart (0.94 L). Sh. wt. 1.25 lbs.



SB23527U

- Arterial Line
- Basilic V
- Cephalic V
- Median Cubital V

Life/form® Venatech IV Trainer

- Easily attached to a person's arm so student can practice venipuncture techniques on a live subject, including the proper positioning on an actual human arm, without the risks associated with puncturing living tissue
- Includes the 3 main veins used in phlebotomy — cephalic, basilic, and median cubital — all in correct anatomical position
- Arterial vessel is present for arterial blood gas simulation
- Helps students learn essential communication skills and patient interaction
- 5-year warranty

Sh. wt. 2 lbs.

LF01162U Light **LF01163U** Dark

***Life/form*® Venatech IV Trainer 5-Pack**

Sh. wt. 11 lbs.

LF01180U Light **LF01181U** Dark

Skin, Vein, and Artery Replacement Kits

Sh. wt. 0.63 lbs.

LF01165U Light **LF01166U** Dark

***Life/form*® skin tones available:** Light Dark


LF01163U

Vein Replacement Kit

LF01177U Sh. wt. 0.44 lbs.

Replacement Blood, Red Only

LF01188U Sh. wt. 0.25 lbs.

Replacement Blood Kit, Red & Blue

LF01178U Pkg. of 5. Sh. wt. 0.06 lbs.



Ivy — IV Pad



- Economical, efficient way to practice setting IV flow rates
- Use for the training and practice of IV fluid and medication administration and flushing
- Any standardized patient, task trainer, or manikin can be used with no special setup or cleanup
- Features realistic blood return — no special fluids required
- Can be used with any IV pump and tubing (not included)
- 15 in. L x 9 in. W x ½ in. H
- NOTE: Not intended for IV insertion simulation (catheter comes already in place)

SB51838U Sh. wt. 0.63 lbs.

STOPS Suture Sleeve and Suture Block



The IV / Suture Sleeve and Suture Block are Hyper-Realistic™ training aides that are designed to be utilized in both a controlled classroom and a hands-on practical application field training environment. Recommended training with both allows proper introduction, patient identification, skin preparation of the area to include aseptic technique, and administration of local anesthesia.

The IV / Suture Sleeve and Suture Block are comprised of a proprietary, life-like skin that is completely user-repairable and made to fit multiple body types. The IV / Suture Sleeve consists of a protective shield covered by a layer of simulated subdermal tissue to add to the Hyper-Realism and ten life like veins that are also user-repairable. When worn, the skin lies over a protective shield that is puncture resistant and allows for full range of motion, IV cannulation, and gives positive user feedback of proper placement by sending flashback into the IV catheter. The Suture Block skin can be utilized to create superficial lacerations and deep tissue lacerations that are capable of being closed by sutures and staples as well as the ability to introduce local anesthesia. The Suture Block is completely repairable.

IVSS Sh. wt. 4 lbs.

Life/form® Venipuncture and Injection Demonstration Arm



- Basic
- Lightweight
- Convenient
- Portable
- No internal tubing exists, but the skin can be punctured repeatedly
- No blood to set up, no mess to clean up, and no leaking
- May be used in venipuncture practice when fluid return is not essential
- Suitable for allied IV demonstrations and practice (flexion, cleaning, taping)
- Simulated intramuscular injections can be practiced in the deltoid region
- Skin and underlying foam may be cut for suturing practice
- 5-year warranty

Sh. wt. 3 lbs.

LF01131U Light **LF01254U** Medium **LF01132U** Dark

Life/form® skin tones available: Light Medium Dark



Life/form® Intramuscular Injection Simulator

- Simulated bony structure is embedded in the torso and represents the superior end of the femur, or greater trochanter, the posterior superior and anterior superior iliac spines, and the sacrum
- Bony structure provides palpable anatomical landmarks to identify proper injection sites
- Section of the upper, outer quadrant of the left gluteal area is cut away to visualize the underlying structures
- Gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown
- 3 types of intramuscular injections can be taught and practiced on this simulator: dorsogluteal, ventrogluteal, and vastus lateralis injections
- Extremely realistic skin and muscle textures, as well as bone shape and position, closely resemble a live patient
- Perforation of the tissue with a needle duplicates the sensation of administering an actual injection
- Includes instruction manual, supply of syringes, and hard carry case
- 5-year warranty

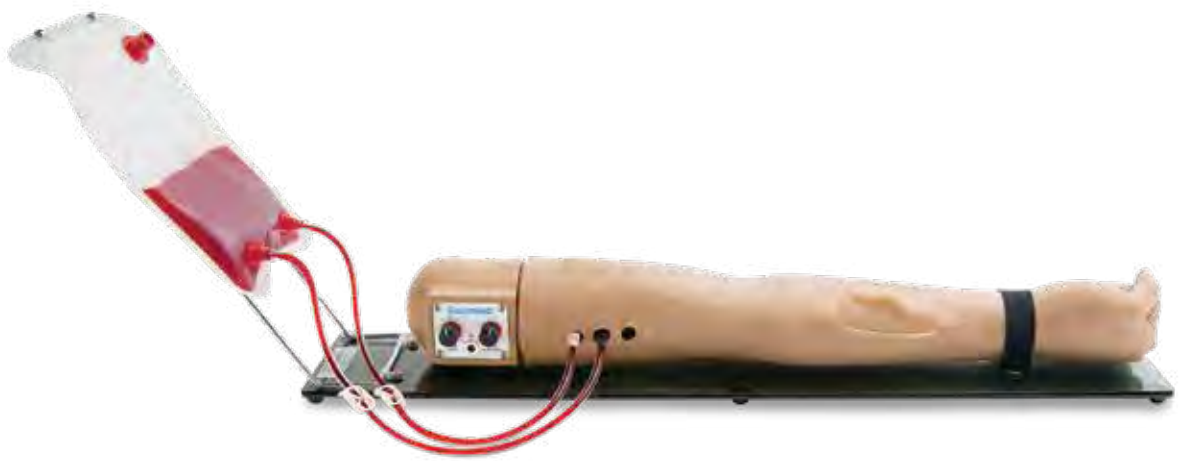
LF00961U Sh. wt. 18 lbs.

Replacement Muscle

LF00963U Sh. wt. 0.50 lbs.

Palpable Landmark Approaches
- Gluteus Medius/Ventrogluteal
- Gluteus Maximus/Dorsogluteal
- Vastus Lateralis





Gaumard® SMASH Advanced Patient Training Arm

- Provides both venous and arterial vascular access
- Delivers automatically generated arterial pulses at the radial and brachial sites and controls arterial blood flow by allowing variable heart rate and pulse strength
- Hemodialysis site on the forearm
- Intramuscular injection sites on the upper arm
- Subcutaneous injection sites on the volar forearm and lateral upper arm
- Suture and incision sites on both the upper arm and forearm
- Adjustable heart rate and pulse strength
- Healed fistula for hemodialysis exercises
- Cephalic (antecubital), basilic, radial, and ulnar veins as well as the radial and brachial arteries for infusion and blood draw
- Interchangeable arterial and venous insert for IV and blood draw exercises, AV anastomosis, and placement of AV grafts includes skin, subcutaneous tissue, muscle, radial artery, and radial vein
- Multilayer insert that includes the skin, subcutaneous tissue, and muscle allows incision and suturing exercises
- Rotating arm allowing dorsal and volar access along the length of the arm
- Varying vessel palpability to simulate collapsed or bulging vessels

Sh. wt. 15 lbs.

110V Arm

SB50844(L)U Light
SB50844(M)U Medium
SB50844(D)U Dark

220V Arm

SB50844(EL)U Light
SB50844(EM)U Medium
SB50844(ED)U Dark

Arterial/Venous Insert

Sh. wt. 1.25 lbs.

SB50840(L)U Light
SB50840(M)U Medium
SB50840(D)U Dark

Blood Dispensing Bag

SB50841U Sh. wt. 1.25 lbs.

Replacement Skin

Sh. wt. 2.25 lbs.

SB50842(L)U Light
SB50842(M)U Medium
SB50842(D)U Dark

Replacement Veins

SB50843U Sh. wt. 1.25 lbs.

Fistula Insert

SB50846U Sh. wt. 1.25 lbs.

Incision and Suture Insert

SB50847U Sh. wt. 1.25 lbs.

Gaumard® skin tones available: Light Medium Dark



Life/form® Diabetic Injection Pad

- May be worn on the body in specific locations (abdomen, thigh, upper arm) to allow patients to inject fluids into the pad to practice giving themselves injections
- Pad is thick enough to accept all insulin needles
- Has a 1 in. wide nylon strap with an adjustable plastic buckle
- The 6¼ in. L x 4¼ in. W x ¾ in. D oval pad has a hard plastic backing to prevent the needle from poking through the pad and into the wearer's skin
- 5-year warranty

WA18238U Sh. wt. 0.63 lbs.

Replacement Injection Pad

WA18338U Sh. wt. 0.56 lbs.



Life/form® Injection Belly

- Teach patients how to properly insert and rotate the infusion set for insulin pumps, avoiding the 2 in. (5 cm) area around the navel, as well as giving self-injections of many types including pen-style injections
- Lifelike skin with what feels like real stomach tissue underneath
- Soft plastic backing to keep needles from going through and holes to allow the material to breathe and dry
- Distilled water may be injected
- Actual insulin or other medications should not be used, as they may deteriorate the material
- Injection belly is considered disposable; however, with proper care and treatment it will serve its purpose for a long period of time
- Using the smallest needles possible when simulating injections and rotating the insertion points will help prolong the life of the trainer

WA28395U Sh. wt. 0.94 lbs.



Life/form® Advanced Injection Belly

- Soft stomach replica is an invaluable tool for showing how to properly insert and rotate the infusion set for insulin pumps, avoiding the 2 in. (5 cm) area around the navel
- Give many types of self-injections (including pen style)
- Trainer has lifelike skin with what feels like real stomach tissue, along with the ability to pinch the skin
- Backing keeps needles from going through
- Adjustable straps allow the stomach to be attached to a manikin or human patient for simulation practice
- Soft material can be punctured repeatedly without showing holes
- Liquid injection is not recommended

LF09900U Sh. wt. 0.31 lbs.



Life/form® Venatech IM & SubQ Simulator

- Innovative, affordable simulator is realistic in nature
- Because there is fluid in vessels deep within the simulated tissue, there is an actual possibility of seeing simulated blood in the hub of the needle on aspiration
- Fits on the area of the deltoid muscle as well as the vastus lateralis, rectus femoris, ventrogluteal, and dorsogluteal areas for realism
- Pad measures 6¾ in. L x 3¼ in. W x 1½ in. D
- 5-year warranty

Sh. wt. 1.75 lbs.

LF01184U Light **LF01185U** Dark

Packs of 5

Sh. wt. 9.50 lbs.

LF01184(A)U Light
LF01185(A)U Dark

Vein Replacement Kit

LF01177U Sh. wt. 0.44 lbs.

Skin and Vein Replacement Kits

Sh. wt. 0.38 lbs.

LF01186U Light
LF01187U Dark

Replacement Blood

LF01188U Sh. wt. 0.25 lbs.

BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+

YEARS

Nasco HEALTHCARE



realistic fluid injection experience

Paddy — Small Injection Pad

- Removable epidermis layer on pad surface allows for the simulation of a "wheal" during intradermal injections
- Skin puncture resistance and the resistance throughout the injection closely mimic the feel of a real injection
- Drainage holes on pad bottom for use with fluid-filled syringes
- 2½ in. L x 2½ in. W x 1¾ in. H

SB51839U Sh. wt. 1.25 lbs.

Removable Epidermis Layer

SB52883U Sh. wt. 0.25 lbs.

SB51839U



Patrick — Large Injection Pad

- Use to simulate intramuscular, intradermal (when used with removable epidermis layers), subcutaneous, and Z-track injections
- Realistic puncture resistance mimics the feel of an actual injection
- Bottom drainage allows the pad to be used with fluid-filled syringes
- Pad skin can be grasped for more realistic injection scenarios
- 6 in. L x 6 in. W x 1¾ in. H

SB51840U Sh. wt. 1.25 lbs.

Removable Epidermis Layer

SB52883U Sh. wt. 0.25 lbs.



SB51840U



Inject-Ed

Demo Dose® Inject-Ed Injection Pad

- Compact and economical injection task trainer
- Provides students with a realistic injection experience in the simulation lab
- IM, SQ, ID, and Z-track simulation
- Resilient, durable, and self-healing surface fluid

Inject-Ed

- Holds up to 20 ml
- 3 in. dia. x 1½ in. H x 2¼ in. inj. area

PN01195U Sh. wt. 0.38 lbs.

Inject-Ed XL™

- Holds up to 250 ml
- 8 in. dia. x 1½ in. H x 7 in. inj. area

PN01259U Sh. wt. 2.50 lbs.



Life/form® Intradermal Injection Simulator

- Practice intradermal injections safely and conveniently with the ***Life/form***® Intradermal Injection Simulator
- Unit consists of a casting molded from a real forearm from the wrist to just below the elbow
- ***Life/form***® soft vinyl skin provides realistic feel and appearance to ensure a realistic training experience
- 8 sites for practicing intracutaneous injections
- If fluid is properly injected, a characteristic skin welt will form
- Welt is removed by withdrawing the fluid after practice
- Each site is reusable by dozens of students
- Includes arm section with 8 injection sites, 2-oz. bottle of liquid skin repair, syringe, instruction manual, and storage box
- Included intradermal sealant (LF01009U) will extend the life of skin; however, skin is not replaceable and the simulator will eventually need replacement
- 13 in. x 11 in. x 5 in.
- 5-year warranty

Sh. wt. 2.25 lbs.

LF01008U Light
LF01262U Medium
LF01261U Dark

Life/form® skin tones available: Light Medium Dark

Intradermal Sealant

LF01009U 2-oz. bottle. Sh. wt. 0.25 lbs.

challenging simulator conceals needle holes



Life/form® Injection Training Models

- Soft, realistic material can be punctured repeatedly without showing needle holes
- Injecting with liquids is not recommended
- Pad measures 7 in. L x 4 in. W x 2½ in. D
- 5-year warranty

LF00952U Light **LF00953U** Dark Sh. wt. 2.25 lbs.

***Life/form*® skin tones available:** Light Dark



Life/form® Hemodialysis Practice Arm

- Features the realistic appearance and performance necessary to provide ideal practice for trainees or patients
- Valuable training aid is easy to set up and use to demonstrate preparing the patient's arm for hemodialysis
- Established fistula is accessible and the system can be pressurized with artificial blood so that there is an actual flashback when a needle is introduced
- Artificial blood approximates the pale shades usually common in dialysis patients
- Easily maintained
- Replaceable skin and vascular system
- Includes 1 pint ***Life/form***® arterial blood, syringes with needles, 2 fluid supply bags, instruction manual, and soft carry case
- Fluid supply stand not included
- 5-year warranty

Sh. wt. 17 lbs.

LF01037U Light **LF01268U** Medium **LF01267U** Dark

Hemodialysis Practice Arm Skin & Vein Replacement Kit
Sh. wt. 2.25 lbs.

LF01040U Light
LF01270U Medium
LF01269U Dark

***Life/form*® skin tones available:** Light Medium Dark

Hemodialysis Practice Arm Vein Replacement
LF01041U Sh. wt. 0.25 lbs.

Hemodialysis Arterial Blood
LF01048U Quart. Sh. wt. 0.25 lbs.

Hemodialysis Venous Blood
LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Vein Tubing Sealant Kit
LF01099U Sh. wt. 2 lbs.

Fluid Supply Stand
- 5 in. x 8 in. base, 5⁄16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag
LF01130U 500 ml. Sh. wt. 0.31 lbs.





Life/form® Arterial Puncture Arm

- Features the realism of appearance and performance necessary to provide realistic practice for trainees
- Easy to set up and use, this valuable training aid is ideal for practice and demonstration in drawing arterial blood samples for monitoring blood gases
- Identify puncture locations through palpation of the pulse at either the radial or brachial sites
- Realistic arterial pressure produces a realistic backflow of blood in the syringe, confirming proper needle location in the artery
- Periodic use of the tubing sealant provided will extend the life of each Skin/Artery Kit
- Arm has one artery tubing section installed
- Includes two 3 cc syringes with needles, fluid supply bag, 2 replacement sections of artery, 1 pint ***Life/form***® arterial blood, tubing sealant, instruction manual, and soft carry case
- Fluid supply stand not included
- Cannot place arterial lines
- 28 in. x 13 in. x 5 in.
- 5-year warranty

Sh. wt. 17 lbs.

LF00995U Light

LF01264U Medium

LF01263U Dark

Skin Replacement Kit with 3 Artery Sections

- Includes skin, 2 foam pads, lubricant, tubing with pulse bulb, 1 complete artery, 2 middle artery sections, and instruction manual

Sh. wt. 2.25 lbs.

LF00998U Light
LF01266U Medium
LF01265U Dark

Arterial Puncture Arm Artery Replacement Only

- Includes 3 arteries and lubricant

LF01059U Sh. wt. 0.50 lbs.

Life/form® skin tones available: Light Medium Dark

Arterial Puncture Arm Injection Replacement Pad

LF00992U Sh. wt. 1.25 lbs.

Tubing Sealant

- Periodic use will extend the life of skin and arteries

LF01099U Sh. wt. 2 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag

- 500 ml

LF01130U Sh. wt. 0.31 lbs.

Arterial Blood

- Quart

LF01004U Sh. wt. 0.38 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Replacement Pulse Bulb

- 3 oz.

LF03490U Sh. wt. 0.19 lbs.

Injection & Venipuncture

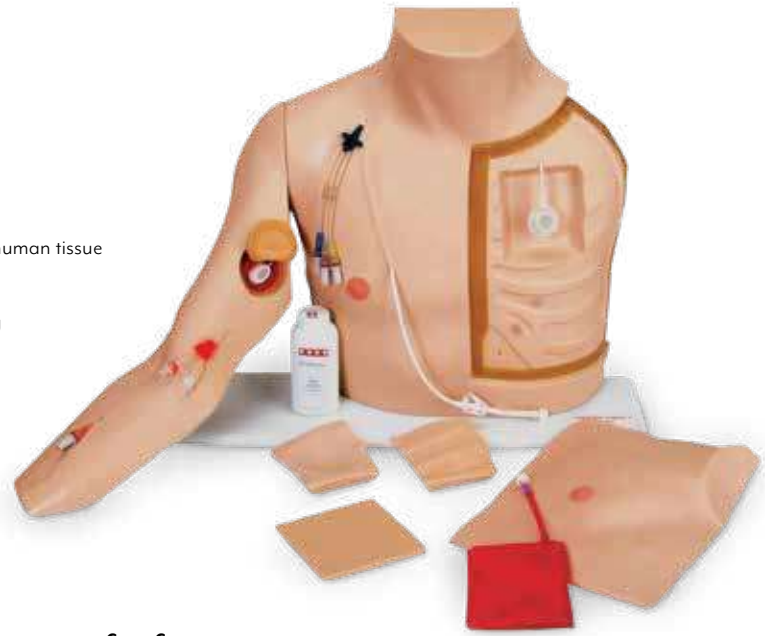
Chester Chest™

External Central Catheter
- Pre-positioned, surgically placed in the right chest
- Subcutaneous tunnel is visible up to and just over the clavicle
- Distinguishable Dacron® cuff
- Distal catheter end is pre-attached to the blood reservoir bag

Implanted Vascular Access Device
- Located in the left chest under a specially formulated flap designed to simulate real human tissue
- Situated over a rigid underlying surface with molded ribs and a recessed area for the interchangeable inserts
- 3 difficult accessing inserts placed either under or over the port to simulate palpating and accessing a port with one of the following types of placements: normal, "tipping," "wandering," or "deeply placed"

Peripheral Placed Central Catheter
- Located in the rotated, extended, detachable right arm
- Dual lumen 5FR PICC exits the slightly raised, basilic vein on the right inner biceps
- Pre-positioned 20G IV catheter in the right forearm
- Catheters are pre-attached to a blood reservoir bag
- Complete blood draws, heparinization, and fluid infusion while attached or unattached to the torso

Additional Capabilities:
- Subclavian catheter
- Triple lumen catheter
- Jugular catheter



Chester Chest™ with Peripheral Port Access Arm
- Also has recessed area posterior to PICC insertion site for optional peripheral port (peripheral port sold separately at right)
- Base of recessed area is made of soft material that permits port to "float" when accessed
- When placed over port, included tissue flap allows for a realistic feel when palpating and accessing

SB18636U Sh. wt. 11 lbs.

Chest Tissue Flap Replacement
- Duplicates the feel of human tissue
- Place chest tissue flap over chest port for realistic practice of palpating and accessing
- Proper access of the port is confirmed by a "blood" withdrawal
- Maintains integrity even after numerous needle insertions
- Replacement chest tissue flap for all Chester Chest™ versions listed above
- 11½ in. x 8 in.

SB41587U Sh. wt. 2.25 lbs.

Chester Chest™ skin tones available: Light Dark

Carry Case
- Soft-sided
- 21½ in. x 17 in. x 16½ in.

SB29116U Sh. wt. 5 lbs.

Blood Bag Reservoir for Chester Chest™

SB46515U Sh. wt. 0.25 lbs.

Practice Port
- A real practice port with 9.6 FR catheter for the left side of Chester Chest™

SB41588U Sh. wt. 2.50 lbs.

Universal Catheter Connector
- For use with 9.6 FR catheter

SB50699U Sh. wt. 0.50 lbs.

add a peripheral port with updated arm

Chester Chest™ Peripheral Port Access Arm
- Update your Chester Chest™ economically and easily by replacing the detachable arm with this advanced version

Features:
- Dual lumen 5 FR PICC exiting the basilic vein from the inner biceps area, which is the current preferred placement
- Basilic vein is slightly raised for easy identification
- Proximal to the PICC is a recessed area for the placement and suturing of a peripheral port (port is shown but not included; SB45081U sold separately below)
- When attached, peripheral port will "float" on the underlying tissue-like material
- Recessed area is covered with a removable flap that has the feel of human tissue which, when placed over the optional port, provides the realistic practice of palpating and accessing
- Pre-positioned IV catheter in the forearm
- Improved arm provides a greater degree of rotation and extension for easier access to the PICC and recessed area for the peripheral port (peripheral port sold separately below)
- 18 in. long

SB45082U Sh. wt. 1.75 lbs.



Peripheral Port
- A real practice port with 5 FR catheter for use with the Chester Chest™ Advanced Arm above (SB45082U)

SB45081U Sh. wt. 0.56 lbs.

Triple Lumen Catheter Only
- For use with the Chester Chest™ Advanced Arm above (SB45082U)

SB45369U Sh. wt. 0.31 lbs.

Blood Bag Reservoir for Advanced Arm

SB46519U Sh. wt. 0.25 lbs.

Chester Chest™

- Lifelike model of a human torso
- Can be used upright or in a supine position

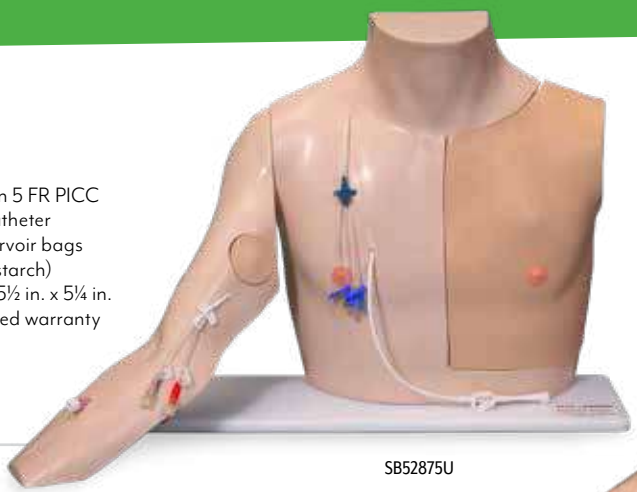
Includes:

- Life-size adult torso with a base
- Tunneled central catheter 9.6 FR
- Outer tissue pad for left chest
- Real port (IVAD)
- 3 difficult accessing inserts
- Arm with greater degree of rotation and extension than previous arms
- Dual lumen 5 FR PICC
- 20 G IV catheter
- Blood reservoir bags
- Talc (cornstarch)
- 20½ in. x 15½ in. x 5¼ in.
- 1-year limited warranty

Chester Chest™ with Standard Arm

Sh. wt. 11 lbs.

SB52875U Light **SB52876U** Dark



SB52875U

Chester Chest™ Arm

- Update your Chester Chest™ and your entire training program economically and easily by replacing the detachable arm with this revised version
- Improved arm provides a greater degree of rotation and extension for easier access to the PICC and recessed area for the peripheral port

Features:

- Dual lumen 5 FR PICC exiting the basilic vein from the inner biceps area, which is the current preferred placement
- Basilic vein is slightly raised for easy identification
- Pre-positioned IV catheter in the forearm
- Also includes blood bag reservoirs
- 18 in. L

Chester Chest™ Standard Arm

Sh. wt. 2.25 lbs.

SB52877U Light **SB52878U** Dark



SB52877U

Chester Chest™ Advanced Arm

- Proximal to the PICC is a recessed area for the placement and suturing of a peripheral port (port is shown but not included; SB45081U sold separately at right)
- When attached, peripheral port will "float" on the underlying tissue-like material
- Recessed area is covered with a removable flap that has the feel of human tissue which, when placed over the optional port, provides the realistic practice of palpating and accessing

SB45082U Sh. wt. 1.75 lbs.

Peripheral Port for Advanced Arm

- A real practice port with 5 FR catheter for use with the Chester Chest™ Advanced Arm at left (SB45082U)

SB45081U Sh. wt. 0.56 lbs.

Triple Lumen Catheter Only

- For use with any Chester Chest™ Arm

SB45369U Sh. wt. 0.31 lbs.

Blood Bag Reservoir for Chester Chest™ Arm

- For use with any Chester Chest™ Arm

SB46519U Sh. wt. 0.25 lbs.

Life/form® Central Venous Cannulation Simulator

- Designed for learning and practicing CVC techniques
- Anatomically accurate, palpation is exactly the same as on a patient
- Sternal notch, sternocleidomastoid, clavicle, and other supporting features are present
- Internal features include a replaceable muscle and bone section, subclavian, internal jugular, external jugular, and carotid
- Use of a Swan-Ganz catheter is possible
- Neck of the simulator is positioned to the left, making landmark identity quite easy visually
- Sternal notch "sinks" 1-1.5 cm when palpated
- Accurate external and internal landmarks
- Includes fluid supply bags, replaceable skin, needles, 1 qt. blood, instruction manual, and hard carry case
- 5-year warranty

LF01087U Sh. wt. 23 lbs.



Internal Jugular Vein Approaches:
- Anterior • Central • Posterior

External Jugular Vein Approaches

Subclavian Vein Approaches:
- Infraclavicular • Supraclavicular

Skin Repair Kit

- Extends the life of replacement skins with brush-on treatment

LF01112U Sh. wt. 0.50 lbs.

Replacement Tubing Kit

- Each set consists of 1 subclavian vein, 1 internal jugular vein, 1 external jugular vein, and connectors

LF01113U 6 sets. Sh. wt. 1.75 lbs.

CVC Skin Replacement

LF01079U Sh. wt. 3.75 lbs.

CVC Simulator Replacement Kit

- Includes skin and veins

LF01078U Sh. wt. 4.50 lbs.

CVC Simulator Bone and Muscle Replacement Kit

LF01093U Sh. wt. 7 lbs.

Vein Tubing Sealant Kit

LF01099U Sh. wt. 2 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Administration Set

- Includes fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.

Venous Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

portable, translucent PICC line practice





Peter PICC Line™

- Portable teaching model has translucent arm skin that allows the visualization of the anatomically correct cephalic, basilic, and median basilic veins
- Axillary jugular, subclavian, and superior vena cava veins are also present, plus a movable chin simulates the occlusion of the jugular to prevent the Peripherally Inserted Central Catheter Line (PICC) from taking this path
- Palpable ribs permit practice in measuring proper catheter length to the correct intercostal space
- Permits the measurement of catheter length outside of the body and the confirmation of proper placement by viewing the distal tip of the catheter in the viewable superior vena cava
- Replaceable, barely translucent arm skin allows visualization of underlying veins
- Includes soft carry case

SB20132U Sh. wt. 12 lbs.

Arm Skin Replacement
SB41585U Sh. wt. 0.38 lbs.

Body Skin Replacement.
SB41586U Sh. wt. 1.75 lbs.

Arm Vein Tubing Set
SB41583U Sh. wt. 0.31 lbs.

Deluxe Venous Access Device Model

- Teach the care and use of 2 different types of catheters
- Mounted on a collapsible easel and packed with its own carry case
- Features left and right subclavian catheter connections that may be flushed with water, and a PORT-A-CATH® implanted venous access system with a "skin" flap over the implant to allow viewing

SB23493U Sh. wt. 10 lbs.



VATA, Inc. Port – Body in a Box™

- Compact, lightweight, and quick to set up and put away
- Great tool for training, competency testing, and skill assessment of port (IVAD) palpation and accessing
- Simulate palpating and accessing an implanted port with the following placements: normal, "tipping," "wandering," or deeply placed
- Successful access is confirmed by a "blood" return
- Fluid can be infused and "blood" withdrawn
- 35 cc blood reservoir bag is neatly tucked inside
- Skin flap has 2 thicknesses (¼ in. side will approximate the "feel" when palpating a port at an average depth, and the ½ in. side will approximate the "feel" when palpating a deeply placed port)
- Skin flap is made of a latex-free Dermalike™ for 50% less needle drag when accessing and improved tear resistance to permit a greater number of needle "sticks"
- 2 round inserts, used to simulate the "wandering" and "tipping" port, are interchangeable to vary the experience
- Underlying soft tissue block permits the port to "float" when palpating through the skin flap, for a truly realistic experience
- Includes a real port with 9.6 FR catheter, 7⅛ in. x 5½ in. skin flap, soft tissue block with 2 interchangeable inserts, 35 cc blood reservoir bag, 1 each of ¾ in. and 1 in. Huber needles, 5 cc Luer-lock syringe, 3 packets of lubrication gel, clear container for storage of supplies, user's manual, and 9½ in. x 6½ in. heavy-duty ABS case

SB43089U Sh. wt. 3.50 lbs.



BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+

YEARS

Nasco HEALTHCARE



Simulated Medications

For instructional use only. Not for human or animal use.
Nasco Healthcare is not liable for products used for any means other than its intended use.

Demo Dose® Cytoxn for Injection — 1 g
- Teach reconstitution
- Contains sucralose

PN01092U Sh. wt. 0.25 lbs.



Demo Dose® Dantrolen — 20 mg
- Teach drug intervention for malignant hyperthermia

PN01102U Sh. wt. 0.31 lbs.



Demo Dose® Measles, Mumps, and Rubella (MMR) A&B — 2 ml
- Teach correct procedure to administer vaccine to children
- Also includes post vaccine to teach parents

PN01103U Sh. wt. 0.03 lbs.



Demo Dose® Midazolam — 2 ml
- Use to include in diagnostic procedures, anesthesia, or on ventilated patients scenarios
- Requires students to provide constant respiratory and neurological assessment
- Contains distilled water

PN01255U Sh. wt. 0.02 lbs.



Demo Dose® 25% Manitol — 50 ml
- Instructor requested for use in scenarios of patients needing management of high intracranial pressure or end stage renal disease

PN01260U Sh. wt. 0.31 lbs.



Demo Dose® Furosmide — 20 mg (10 mg/ml)
- Use in code scenarios for system overload

PN01055U Sh. wt. 0.02 lbs.





Demo Dose® Lovenx — 0.4 ml
- Use for post-op immobility scenarios to prevent DVT
- Contains distilled water

PN01094U Sh. wt. 0.02 lbs.

Demo Dose® Adrucl for Injection — 10 ml
- Teach administration
- Contains distilled water

PN01093U Sh. wt. 0.06 lbs.



Demo Dose® Magnesm Sulfte Injection
- Use in pre-term labor, eclampsia, or stroke scenarios
- Contains distilled water

2 ml
Sh. wt. 0.02 lbs.
PN01100U

10 ml
Sh. wt. 0.04 lbs.
PN01099U



Demo Dose® Powder
- Reconstitute using Demo Dose® Vial (PN01049U)
- Teach dosage calculations based on the prescriber order
- Yellow powder
- 10 ml

PN01048U Sh. wt. 0.04 lbs.



Demo Dose® 0.9% Sodim Chlorde Injection Bacteriostatic
- Use as a simulated sterile dilutant
- Contains distilled water

10 ml
Sh. wt. 0.04 lbs.
PN01046U

30 ml
Sh. wt. 0.19 lbs.
PN01045U



Demo Dose® 0.9% Sodim Chlorde Injection
- Use as a simulated sterile dilutant
- Contains distilled water

10 ml
Sh. wt. 0.04 lbs.
PN01042U

30 ml
Sh. wt. 0.19 lbs.
PN01041U



Demo Dose® Vasoprssn — 1 ml
- Include this SDV mini vial in code scenarios that include pulseless ventricular fibrillation or ventricular tachycardia
- Contains distilled water

PN01256U Sh. wt. 0.02 lbs.



Demo Dose® Amiodron — 3 ml
- Use in arrhythmia scenarios, including ventricular fib, ventricular tach, atrial fib, and atrial flutter

PN01054U Sh. wt. 0.03 lbs.





Demo Dose® Heparin and Flush
- Contains sterile water
- Includes blank physician's order sheet and medication administration record

Flush — 100 u/ml
PN01089U Sh. wt. 0.06 lbs.

Heparin — 1,000 u/ml
PN01090U Sh. wt. 0.06 lbs.

Heparin — 5,000 u/ml
PN01245U Sh. wt. 0.05 lbs.

Demo Dose® Multi-Strength Powder — 2 g
- Teach calculation of different strengths from a single vial based on prescriber order
- Yellow powder
- 10 ml

PN01047U Sh. wt. 0.04 lbs.



Demo Dose® Anti-Biotic White Powder — 1 g
- Incorporate an antibiotic into your scenarios
- Vial contains white powder for reconstitution for single use

PN01249U Sh. wt. 0.05 lbs.



Demo Dose® Ketamine HCl Injection — 10 ml
- Use as anesthetic for diagnostic or surgical procedures scenarios for anesthesia students
- For blood pressure monitoring or use of supportive ventilation

PN01060U Sh. wt. 0.06 lbs.



Demo Dose® Morphne — 1 ml (10 mg/ml)
- Use to develop scenarios with patients in severe pain or preoperatively to sedate and facilitate anesthesia induction and reduce anesthetic dosage
- Use in MI scenarios
- Contains distilled water

PN01057U Sh. wt. 0.02 lbs.





Demo Dose® Mini Vial — 1 ml
- Simulate preparation of intradermal and immunizations with this versatile product
- Contains distilled water

Sh. wt. 0.02 lbs.

PN01246U Clear Vial
PN01247U Amber Vial

Demo Dose® Mini Vial — 2 ml
- Versatile product is ideal for simulating preparation of intradermal and immunizations
- Contains distilled water that has been tinted yellow

PN01248U Sh. wt. 0.02 lbs.



Demo Dose® Vecuronium Bromide — 10 ml
- Use as component of RSI protocol prior to intubation or for scenarios that require musculoskeletal relaxation

PN01251U Sh. wt. 0.02 lbs.



Demo Dose® Pitocn (Oxytocin Injection) — 1 ml
- Integrate into labor induction scenarios
- Teach to mix IV drip as well as electronic fetus monitoring
- Contains distilled water

PN01101U Sh. wt. 0.02 lbs.



Demo Dose® Rocuronum Bromide Injection — 10 ml
- Use in emergency pediatric or adult tracheal intubation scenarios
- Use during surgical procedure scenarios

PN01061U Sh. wt. 0.06 lbs.



Demo Dose® Narcn Multi-Dose Vial — 10 ml (0.4 mg/ml)
- Use in scenarios that involve narcotic depression or for diagnosis of suspected acute opioid overdose
- Contains distilled water

PN01058U Sh. wt. 0.05 lbs.



Demo Dose® Amidat Etomidate Injection — 10 ml



- Use for general anesthesia induction scenarios
- Teach dosage calculation for adult or pediatric patients and patient monitoring requirements

PN01059U Sh. wt. 0.06 lbs.

Demo Dose® Succinyl Choline Injection — 10 ml



- Use to develop scenarios that include intubation or placing a patient on a ventilator

PN01062U Sh. wt. 0.05 lbs.

Demo Dose® Vasoprssn — 10 ml



- Use in code scenarios that include pulseless ventricular fibrillation or ventricular tachycardia

PN01053U Sh. wt. 0.05 lbs.

Demo Dose® Meperidne — 100 mg/ml



- Use for scenario development (pain, preoperative medication, or for anesthesia support)
- Contains distilled water

PN01056U Sh. wt. 0.02 lbs.

Demo Dose® Vial — 10 ml



- Teach sterile injection preparation techniques, and dosage verification
- Use to reconstitute Demo Dose® Powders
- Contains distilled water

PN01049U Sh. wt. 0.06 lbs.

Demo Dose® Sterile Water for Injection — 10 ml



- Use as simulated sterile dilutant
- Contains distilled water

PN01044U Sh. wt. 0.04 lbs.

Demo Dose® Empty Vials



- Vials are marked with size, lot number, and expiration date
- USP Type I glass
- White plastic dust cap included on each vial
- Decapper will remove the cap from the empty vial
- Boxes of 25

10 ml

PN01052U Sh. wt. 1.50 lbs.

Demo Dose® Simulated Albumn USP 25%



- Use in scenarios for hypovolemic shock or burns
- Teach students to determine rate for IV administration, monitoring blood pressure, level of consciousness, and hematocrit

PN01010U Sh. wt. 0.56 lbs.

Demo Dose® Solu-Medrl — 2 ml/125 mg



- Teach proper method of activating and mixing solution in chambered vial
- Contains sucralose and water

PN01086U Sh. wt. 0.04 lbs.



Demo Dose® Glucagn Kit

- Realistic simulated Glucagon Emergency Kit for low blood sugar scenarios
- Includes syringe prefilled with distilled water and vial with simulated glucagon for injection

PN01254U Sh. wt. 0.19 lbs.



PN01097U



PN01096U

Demo Dose® Ampules — 100 per Box

- Teach proper method of ampule opening
- Each glass ampule meets U.S. standards and is physically scored at the neck

Clear Ampules

PN01097U 1 ml. Sh. wt. 1.50 lbs.
PN01095U 2 ml. Sh. wt. 1.75 lbs.
PN01098U 5 ml. Sh. wt. 2.25 lbs.

Amber Ampules

PN01096U 2 ml. Sh. wt. 1.75 lbs.



PN01317U

B. Braun Filter Straw™ — 100 per Box

- Teach students the proper method of using a filter straw
- 5 micron particulate ampule filter reduces the potential for glass particle injection when using single-dose glass ampules
- Latex-free

PN01317U Sh. wt. 0.94 lbs.

Ampule Breaker — 144 per Box



- Increase student confidence and competency during ampule handling and practice with these easy-to-use ampule breakers
- Students will avoid direct hand contact with broken glass during and after practice, thus eliminating the fear of cuts or poor technique
- These safe, reliable, and economical breakers make ampule manipulation much easier with ampule breakage at the neck, quicker and cleaner
- Dispose of the breaker and ampule together in a proper sharps container following practice

PN01252U Sh. wt. 0.38 lbs.

Demo Dose® Code Drug I Bundle



- Implement cardiac emergency simulations with these syringes of key products
- For educational purposes only
- Not intended for human or animal use

Complete Set

- Includes 1 of each medication listed below

PN01257U Sh. wt. 1.25 lbs.

Epinephrn — 10 ml
PN01171U Sh. wt. 0.19 lbs.

Lidocain — 5 ml
PN01172U Sh. wt. 0.19 lbs.

Atropin — 10 ml
PN01173U Sh. wt. 0.19 lbs.

Sodium Bicarb — 50 ml
PN01174U Sh. wt. 0.38 lbs.

Calcm Chlr — 10 ml
PN01175U Sh. wt. 0.19 lbs.

Dextros — 50 ml
PN01176U Sh. wt. 0.31 lbs.

Demo Dose® Insulin

- Designed to look like the "real" bottle
- Each vial includes blank physician order sheets and medication administration record

Complete Set

- Includes 1 of each vial listed at right

PN01253U Sh. wt. 0.38 lbs.

70/30 Insulin
Sh. wt. 0.05 lbs.
PN01079U

Lispr Insulin
Sh. wt. 0.05 lbs.
PN01080U

Lantis Insulin
Sh. wt. 0.05 lbs.
PN01081U

75/25 Insulin
Sh. wt. 0.04 lbs.
PN01082U

Regular Insulin

- Includes skills checklist for mixing NPH and Regular insulin

PN01083U Sh. wt. 0.05 lbs.

NPH Insulin

- Includes skills checklist for mixing NPH and Regular insulin

PN01084U Sh. wt. 0.05 lbs.



PN01079U



PN01083U

Simulated Medications

For instructional use only. Not for human or animal use.
Nasco Healthcare is not liable for products used for any means other than its intended use.

adds extra realism to IV administration simulations

Demo Dose® Simulated IV Fluid

- Contained in realistic packaging and available in the most popular fluid types
- All simulated IV fluid contains distilled water

5% Dextrose

PN01177U 1,000 ml. Sh. wt. 2.50 lbs.
PN01178U 500 ml. Sh. wt. 1.25 lbs.
PN01179U 250 ml. Sh. wt. 0.69 lbs.
PN01180U 100 ml. Sh. wt. 0.31 lbs.
PN01181U 50 ml. Sh. wt. 0.19 lbs.

5% Dextrose and 0.9% NaCl

PN01182U 1,000 ml. Sh. wt. 2.50 lbs.
PN01183U 500 ml. Sh. wt. 1.25 lbs.
PN01184U 250 ml. Sh. wt. 0.69 lbs.
PN01185U 100 ml. Sh. wt. 0.31 lbs.
PN01186U 50 ml. Sh. wt. 0.19 lbs.

0.9% NaCl

PN01187U 1,000 ml. Sh. wt. 2.50 lbs.
PN01188U 500 ml. Sh. wt. 1.25 lbs.
PN01189U 250 ml. Sh. wt. 0.69 lbs.
PN01190U 100 ml. Sh. wt. 0.31 lbs.
PN01191U 50 ml. Sh. wt. 0.19 lbs.



5% Dextrose and 0.9% NaCl



Demo Dose® Activas Alteplas — 100 mg with Spike

- Use for emergency scenarios for MI, stroke, and PE
- Teach students to determine dosage based on patient weight

PN01085U Sh. wt. 0.81 lbs.



PN01087U

Demo Dose® Prefilled Syringes

- Simulate injection of medication through ports, G-tube, IV access, etc.
- Filled with distilled water and has a Luer-lock tip

3 ml

PN01088U Sh. wt. 0.02 lbs.

10 ml

PN01087U Sh. wt. 0.05 lbs.



Demo Dose® Code Drug II Bundle

- Bundle includes key products to implement cardiac emergency scenarios
- Each syringe contains distilled water

Complete Set

- Includes 1 of each medication listed at right

PN01258U Sh. wt. 1.25 lbs.

Individual Code Drugs Sh. wt. 0.19 lbs.

PN01065U Lidocain 2% (5 ml)
PN01066U Atropin (10 ml)
PN01070U Calcm Chlr 10% (10 ml)
PN01072U Epinephrn (10 ml)
PN01073U Sodium Bicarb 8.4% (50 ml)
PN01074U Dextros 50% (50 ml)
PN01256U Vasoprssn (1 ml)
PN01054U Amiodron (3 ml)
PN01055U Furosmide (10 mg/ml)

Also available separate from above bundle

PN01071U Dextros 25% (10 ml)



PN01063U



PN01064U

Demo Dose® Adenocrd

- Use simulated adenosine injection to develop scenarios that include patients with paroxysmal supra-ventricular tachycardia (PSVT)

Sh. wt. 0.04 lbs.

PN01063U 6 mg/2 ml (3 mg/ml)
PN01064U 12 mg/4 ml (3 mg/ml)

Demo Dose® Pediatric and Infant Prefilled Syringes

- Each syringe contains distilled water

Atropin 0.25 mg Pediatric (5 ml)

PN01067U Sh. wt. 0.06 lbs.

Sodium Bicarb Pediatric (10 ml)

PN01068U Sh. wt. 0.06 lbs.

Sodium Bicarb 4.2% Infant (10 ml)

PN01069U Sh. wt. 0.06 lbs.



PN01067U

Demo Dose® Nitroglyc Injection

- Teaches titration based on "standing orders," drip calculations based on mcg/kg/min order
- Use in treatment scenarios including MI with pain, heart failure, or hypertension
- IV hanger is incorporated into the label

PN01202U Sh. wt. 1.25 lbs.

Baxter Vented Nitro Tubing

PN01308U Interlink. Sh. wt. 0.19 lbs.





Demo Dose® EpiPen Trainer

- Teach the proper method of using a pre-loaded syringe for allergic emergencies
- Prototype of auto-injector syringe (without a needle or medication)
- Unlimited use

PN01127U Sh. wt. 0.06 lbs.



Demo Dose® Optc Ointment — 3.5 g

- Teach students the proper technique to administer ophthalmic ointment
- Contains water-based gel

PN01078U Sh. wt. 0.02 lbs.



Demo Dose® Optc Drops — 10 ml

- Teach proper technique to administer ophthalmic medication
- Contains distilled water

PN01078U Sh. wt. 0.03 lbs.

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PN01013U

Demo Dose® Simulated Fresh Frozen Plasma (FFP)

- Integrate FFP into your bleeding or coagulation factor deficiency scenarios or in common procedures to prevent surgical bleeding

Sh. wt. 0.69 lbs.

PN01013U O Rh Positive
PN01014U O Rh Negative
PN01015U A Rh Positive
PN01016U A Rh Negative
PN01017U B Rh Positive
PN01018U B Rh Negative
PN01019U AB Rh Positive
PN01020U AB Rh Negative

Demo Dose® Simulated Blood Platelets

- Integrate platelet infusion into scenarios when thrombocytopenia is severe and bleeding risk is high

Sh. wt. 0.38 lbs.

PN01021U O Rh Positive
PN01022U O Rh Negative
PN01023U A Rh Positive
PN01024U A Rh Negative
PN01025U B Rh Positive
PN01026U B Rh Negative
PN01027U AB Rh Positive
PN01028U AB Rh Negative



Demo Dose® Simulated Jevty

- Teach how to simulate initiating, calculating, and monitoring tube feed
- Integrate continuous or bolus feedings or a combination along with medication administration into scenarios
- Shipped as a powder; just add distilled water

PN01001U Quart. Sh. wt. 0.38 lbs.
PN01000U Gallon. Sh. wt. 0.94 lbs.

Demo Dose® Simulated Red Blood Cells

- Teach this important procedure to students in the skills lab setting
- Features realistic bar-coded labels and patient identification labels
- Can be spiked
- Includes skills checklist and transfusion record

Sh. wt. 1.25 lbs.

PN01002U O Positive
PN01003U O Negative
PN01004U A Positive
PN01005U A Negative
PN01006U B Positive
PN01007U B Negative
PN01008U AB Positive
PN01009U AB Negative



PN01002U



PN01030U



PN01032U

Demo Dose® Total Parenteral Nutrition (TPN)

- Use to safely educate students in a simulation environment
- Includes instructional materials

TPN with Multi-Vit

PN01029U 500 ml. Sh. wt. 1.50 lbs.
PN01030U 1,000 ml. Sh. wt. 2.50 lbs.

TPN with Lipids

PN01031U 500 ml. Sh. wt. 1.50 lbs.
PN01032U 1,000 ml. Sh. wt. 2.50 lbs.

Tabletop IV Stand

- Portable IV stand
- 5 in. x 8 in. heavy metal base
- 28 in. chrome-plated, 2-hook pole

PN01264U Sh. wt. 4.75 lbs.



PN01264U

Demo Dose® Tubs

- Teach opening and administering liquid medication from a "tub"
- It is a violation of federal law to use this product in a manner inconsistent with its labeling

Sh. wt. 0.19 lbs.

PN01033U Milk of Magnesa (30 ml)
PN01034U Lactulos (30 ml 20 g per 30 ml)
PN01035U K+ Potassm (20 mEq 30 ml)



PN01033U

Simulated Medications

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Demo Dose® Oral Medications — 100 per Box

- Teach students the proper administration of oral medication

Sh. wt. 0.44 lbs.

	Cat. No.	Name	Dose/ Concentration		Cat. No.	Name	Dose/ Concentration		Cat. No.	Name	Dose/ Concentration
	PN01143U	Glucphge-XR	500 mg		PN01193U	MVit	—		PN01162U	Cardi	120 mg
	PN01144U	Lipitr	10 mg		PN01152U	Eryth	250 mg		PN01163U	Lasi	20 mg
	PN01145U	Synthrd	100 mcg		PN01154U	Lexapr	20 mg		PN01165U	Lopre	50 mg
	PN01147U	Dilat	100 mg		PN01155U	Plavx	75 mg		PN01166U	Coumadn	5 mg
	PN01148U	Colac	50 mg		PN01156U	Lorazepm	1 mg		PN01167U	Prevacd	30 mg
	PN01149U	Colac	100 mg		PN01158U	Lotensn	20 mg		PN01168U	Keflx	250 mg
	PN01150U	Fe	65 mg		PN01159U	Wellbutn	100 mg		PN01169U	Metformn	500 mg
	PN01151U	Potassm	20 mEq		PN01161U	Digo	0.25 mg				

Demo Dose® Amoxl for Oral Suspension — 125 mg/5 ml



- Use to teach proper reconstitution and calculation of antibiotic suspension based on prescriber order
- Integrate into many different infection scenarios
- 80 ml when reconstituted

PN01077U Sh. wt. 0.19 lbs.

Demo Dose® Augmntn — 400 mg/5 ml



- Demonstrate the reconstitution of powder, calculation of dosage based on physician order, and methods of administration of an oral suspension
- 100 ml oral suspension when reconstituted

PN01076U Sh. wt. 0.63 lbs.

Demo Dose® Acti Char — 25 g



- Use this simulated poison absorbent to teach the reconstitution of powder, calculation of dosage based on patient weight, and methods of administration of oral suspension

PN01075U Sh. wt. 0.63 lbs.

authentic-looking labels for creating your own medications



Demo Dose® Medication Labels — 100 Labels per Roll

- Peel and stick on the vial, ampule, or bottle

Sh. wt. 0.25 lbs.

Cat. No.	Demo Dose® Name	Real Name	Vial Size	Dose/Concentration
PN01109U	Anceff	Ancef	10 ml Vial	1 g
PN01114U	Ativn	Ativan	Mini Vial	2 mg/ ml
PN01126U	Dopamin	Dopamine	10 ml Vial	400 mg (40 mg/ml)

Demo Dose® Bulk Simulated Meds – Tablets

- Realistic-looking pills for teaching the proper administration of oral medication
- Jars of 1,000

Sh. wt. 1.25 lbs.

See our website for comprehensive list of medications and accessories.

	Cat. No.	Color	Size	Shape	Scored/Non-Scored
	**PN01267U**	White	Small	Round	Scored
	**PN01274U**	Salmon	Medium	Round	Scored
	**PN01277U**	Blue	Medium	Round	Scored
	**PN01279U**	Yellow	Small	Round	Scored
	**PN01280U**	White	Medium	Round	Scored



Medication Administration Kit

- 2 pair nitrile PF gloves, 7.5
- 10 nitrile PF Exam gloves, medium
- 2 packs alcohol pads (10/pack)
- 3 – 3 ml syringes only LL
- 5 ml syringe only LL
- BD SafetyGlide, 3 ml, 25 g x 5/8 in.
- BD SafetyGlide, 3 ml, 23 g x 1 in.
- BD SafetyGlide, 3 ml, 22 g x 1½ in.
- BD SafetyGlide insulin, 29 g x ½ in.
- BD SafetyGlide TB, 1 ml, 25 g x 5/8 in.
- BD SafetyGlide TB, 1 ml, 27 g x ½ in.
- BD SafetyGlide insulin, .5 ml, 29 g x ½ in.
- BD SafetyGlide insulin, 1 ml, 29 g x ½ in.
- BD SafetyGlide needle, 25 g x 5/8 in.
- BD SafetyGlide needle, 23 g x 1 in.
- BD SafetyGlide needle, 21 g x 1 in.
- Demo Dose® Insulin Regular, 10 ml vial
- Demo Dose® Insulin NPH, 10 ml vial
- 4 Demo Dose® vials, 10 ml
- Demo Dose® powder for reconstitution, 10 ml
- Demo Dose® 2 ml clear ampule
- Demo Dose® 1 ml clear Ampule
- Demo Dose® Inject-ED
- 4-in-1 pill box, cutter, cup, and pill crusher
- 5 medicine cups, 1 oz.
- 5 souffle medicine cups

PN01233U Sh. wt. 1.50 lbs.

Simulated Medications

For instructional use only. Not for human or animal use.
Nasco Healthcare is not liable for products used for any means other than its intended use.



Demo Dose® Nitr Derm 0.3 mg/hr

- Teach students the proper method of applying a transdermal patch

PN01196U Sh. wt. 0.05 lbs.



Demo Dose® Nitr Ointment 2% 30 gm

- Teach students the indication and proper measurement and application of nitroglycerin ointment
- Pack of 50 application papers included

PN01199U Sh. wt. 0.19 lbs.

Application Papers Only

- Pack of 50

PN01200U Sh. wt. 0.04 lbs.

Demo Dose® Nitr SL 0.4 mg



- Teach students the indication, proper administration, and assessment of patients who are prescribed sublingual nitroglycerin
- Bottle of 25 pills

PN01198U Sh. wt. 0.02 lbs.

Demo Dose® Nitr Spray



- Realistically develop scenarios using nitroglycerin
- Metered-dose spray containing sterile water
- Each metered spray provides 400 mcg simulated nitroglycerin
- Contains 200 metered doses

PN01197U Sh. wt. 0.19 lbs.

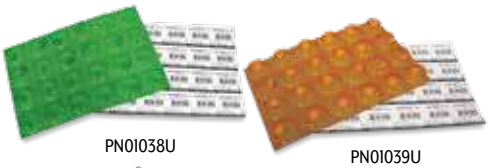
Chemotherapy Kits

- This program provides a self-administered, hands-on education to safely handle chemotherapy drugs
- Latex-free

Pharmacy Kit

- Includes a set of vials/ampules, UV light, 5 prep pads (10 in. x 17 in.), 5 transport bags, manual, and certificate of completion
- UV light requires 4 AA batteries (not included)

PN01313U Sh. wt. 1.50 lbs.



PN01038U PN01039U

Demo Dose® Blister Control Cards — Sheet of 24 Pills

Percoct — 5 mg

- Green

PN01038U Sh. wt. 0.04 lbs.

Valim — 5 mg

- Amber

PN01039U Sh. wt. 0.04 lbs.

Tylenl #3 — 300 mg/30 mg

- Blue

PN01040U Sh. wt. 0.04 lbs.

Demo Dose® Long-Term Care Medication Cards



- Popular oral medications available in a long-term care format

Card Bundle

- Includes 1 of each card listed below

PN01237U Sh. wt. 1.25 lbs.

Individual Cards Sh. wt. 0.19 lbs.

PN01128U Digo — 0.25 mg
PN01129U Lasi — 20 mg
PN01130U MVit
PN01131U Fe — 65 mg
PN01132U Colace — 50 mg
PN01133U Eryth — 250 mg
PN01134U Dilat — 100 mg
PN01135U Lopre — 50 mg
PN01136U Dyaz — 37.5 mg/25 mg
PN01137U Cardi — 120 mg
PN01138U Potassm — 20 mEq
PN01139U Glucphge-XR — 500 mg
PN01140U Lipitr — 10 mg
PN01141U Wellbutn — 100 mg
PN01142U Synthrd — 100 mg



PN01313U

Demo Dose® Aero Inhalr



- Teach administering Metered-Dose Inhalant (MDI)
- Contains distilled water
- Includes Physician Order Sheet, Medication Administration Record, and Skills Checklist
- Ground ship only

PN01301U Sh. wt. 0.19 lbs.

Aero Chamber Plus® Spacer



- Aerosol holding chamber for use with metered-dose inhalers
- Low signal alerts patient to monitor flow rate

PN01300U Sh. wt. 0.05 lbs.



PN01261U



PN01263U

Demo Dose® Simulated Inhalation Medication

- Teach students how to administer inhalants
- Each box comes with 30 units (6 strips of 5 tubes)

Sh. wt. 0.50 lbs.

PN01261U Albuterol Sulfate 0.083% — 2.5 mg/3 ml
PN01262U Albuterol Sulfate 2.5 mg/Ipratropium Bromide 0.5 mg
PN01263U Levalbuterol HCL — 1.25 mg/3 ml

Demo Dose® Fentynl 50 mcg/hr Transdermal Patch System



- Replicates a common fentanyl patch
- Provides simulation practice for teaching transdermal medication administration

PN01201U Sh. wt. 0.05 lbs.

IV Chemobloc Vial Venting Pin



- Use to reconstitute chemotherapy drugs or antibiotics
- Needleless system with Luer-lock connection is sterile and latex-free

PN01316U Sh. wt. 0.03 lbs.

Chemo Sterile Powder-Free Nitrile Gloves



- Ambidextrous sterile nitrile exam gloves tested for use with chemotherapy drugs
- Case of 200

Sh. wt. 4 lbs.

PN01310U Medium

OBSTETRICS & GYNECOLOGY

Accurate S.r.l. ..... O-2 – O-3
Birthing Simulators ..... O-4 – O-6
Lucy O-4
Spinal Injection O-7
Micro-Preemie Simulator ..... O-8 – O-9
Pediatric Simulator O-10
C.H.A.R.L.I.E. Neonatal Resuscitation Simulator .. O-11
Birthing Simulator O-12
OB Pelvic Trainer O-12
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Episiotomy & Perineal Laceration Simulators O-15
Gynecology Manikins O-16
Pelvic Examination O-17
Gynecology Part Task Trainers O-18

Be READY





Intrapartum Ultrasound Simulator

- Simulated Ultrasound Convex Probe (IUSIM_CXP)
- RFID tags (pkg. of 5)(IUSIM_5RFID)
- USB stick with IUSim software, lifetime license key, casebooks and User Manual
- IP67 certified and waterproof transport case
- Intrapartum 1 module including 8 Intrapartum cases (IUSIM1)
- Intrapartum 2 module including 8 Intrapartum cases (IUSIM2)
- Installation support and remote training
- Lifetime free software updates and upgrades
- 1-year hardware warranty
- 20 in. x 16 in. x 8 in.

System Requirements:

- 15" monitor with 1920 x 1080 resolution
- CPU: Intel Core i-5
- 8GB RAM
- Windows 10 Pro (64 bit)
- Language: English
- Solid state drive: 128GB
- Dedicated graphic card RAM: 2GB
- 2 USB ports, 1 HDMI port

IUSIMAO Sh. wt. 11 lbs.





PickUpSim™

A high-fidelity platform for simulating human ovum collection procedures in the context of assisted human reproduction.

Includes:

- Pick-up needle and simulated transvaginal ultrasound probe
- Simulated aspiration pump pedal (PKSPED)
- Laptop PC with pre-installed PickUpSim™ software (7 clinical cases) (PKSPC)
- 21.5" LCD monitor (PKSMON)
- Transport case
- Manual
- 36 in. x 26 in. x 20 in./ 20 in. x 12 in. x 3 in./ 22 in. x 17 in. x 5 in.
- Installation support and remote training
- Lifetime free software updates
- 1-year hardware warranty

PKS Sh. wt. 95 lbs.

PickUpSim™ (No Monitor)

- All the same features as PickUpSim™ but without a monitor
- 36 in. x 26 in. x 20 in./ 20 in. x 12 in. x 30 in.

PKSNM Sh. wt. 79 lbs.

PickUpSim™ (No Monitor/No Laptop PC)

- All the same features as PickUpSim™ but without a monitor or laptop PC
- 36 in. x 26 in. x 20 in.

PKSNMNPC Sh. wt. 72.8 lbs.



TransferSim™

A high-fidelity platform for simulating human ovum collection procedures in the context of assisted human reproduction.

Includes:

- Female lower torso and base unit
- Sensorized abdominal insert (TFSABD)
- TransferSim™ sensorized insert (TFSINS)
- Simulated convex probe (TFSCXP)
- Syringe and speculum
- Portable light
- Embryo transfer catheter
- Soft transport box
- Laptop with pre-installed TransferSim™ software (10 clinical cases) (TFSPC) 21.5" LCD monitor (TFSMON)
- Manual
- Installation support and remote training
- Lifetime free software updates
- 1-year hardware warranty
- 40 in. x 22 in. x 24 in.

TFS Sh. wt. 41.9 lbs.

TransferSim™ (No Monitor)

- All the same features as TransferSim™ but without a monitor
- 40 in. x 22 in. x 24 in.

TFSNM Sh. wt. 28.7 lbs.

TransferSim™ (No Monitor/No Laptop PC)

- All the same features as TransferSim™ but without a monitor or laptop PC
- 36 in. x 26 in. x 20 in.

TFSNMNPC Sh. wt. 22 lbs.

SonoHysteroSim™

A high-fidelity system for simulating ultrasound guided sonohysterography procedures.

Includes:

- Female lower torso and base unit
- Abdominal insert (SHSABD)
- SonoHysteroSim™ sensorized insert (SHSINS)
- Simulated transvaginal probe (SHSTVP)
- Syringe
- Sonohysterography catheter
- Laptop with pre-installed
- SonoHysteroSim™ software (7 clinical cases) (SHSPC)
- Speculum
- Portable light
- 21.5" LCD monitor (SHSMON)
- Soft transport box
- Manual
- Installation support and remote training
- Lifetime free software updates
- 1-year hardware warranty
- 40 in. x 24 in. x 22 in.

SHS Sh. wt. 42 lbs.



SonoHysteroSim™ (No Monitor)

- All the same features as SonoHysteroSim™ but without a monitor
- 40 in. x 24 in. x 22 in.

SHSNM Sh. wt. 28.7 lbs.

SonoHysteroSim™ (No Monitor/No Laptop PC)

- All the same features as SonoHysteroSim™ but without a monitor or laptop PC
- 21 in. x 19 in. x 12 in.

SHSNMNPC Sh. wt. 22 lbs.

SonoHysteroSim™ 21.5" LCD Monitor

- HDMI compatible with 1920 x 1080 resolution
- 22 in. x 17 in. x 5 in.

SHSMON Sh. wt. 13.3 lbs.

SonoHysteroSim™ 15.6" Laptop PC

- Pre-installed with SonoHysteroSim™ software
- 20 in. x 12 in. x 3 in.

SHSPC Sh. wt. 6.6 lbs.

SonoHysteroSim™ Simulated Ultrasounds Transvaginal Probe

- 12 in. x 8 in. x 8 in.

SHSTVP Sh. wt. 2.2 lbs.

SonoHysteroSim™ Sensorized Insert

- 16 in. x 16 in. x 8 in.

SHSINS Sh. wt. 2.2 lbs.

SonoHysteroSim™ Abdominal Insert

- 20 in. x 16 in. x 8 in.

SHSABD Sh. wt. 11 lbs.



VausSim™ Pediatric Advanced Ultrasound Simulator

- 3 ultrasound probes (VAULRP, VAUCXP, & VAUPAP)
- Reference system module (VAU_RRS)
- RFID tags (pkg. of 30) (VAU20RFID)
- USB stick with VausSim™ software, lifetime license key, casebooks and user manual
- Emergency pediatric 1 module including 8 emergency pediatric cases (VAUPED1)
- IP67 certified transport case
- Installation support and remote training
- Lifetime free software updates
- 1 year hardware warranty
- 20 in. x 16 in. x 8 in.

VAUPEDI Sh. wt. 11 lbs.

Birthing Simulators





Life/form® Lucy Maternal and Neonatal Birthing Simulators

- Designed to present the complex needs of a growing demographic with unique health and physical challenges
- A new level of physical realism allows a near-human connection and enhances the immersion in training
- Provides a comprehensive and economical birthing experience from prenatal to postnatal delivery scenarios
- Experience realistic normal and abnormal deliveries

Product Features

General:

- Lightweight, full-body female — 66 in. (167 cm) long, 35-lb. (16 kg) weight
- Simple to transport in pre-hospital scenario training
- Bony landmarks including ischial spines
- Superior range of motion with fully articulated joints
- Change appearance quickly with multiple hair and eye color combinations
- 5-year warranty

Functions:

- Airway management — intubation and ventilation with chest rise
- Amniotic sac
- Articulating arms and legs
- Articulating baby — 18 in. (45 cm) long, 22-lb. (1 kg) weight
- Birthing positions — hands and knees, lateral, supine
- Breech deliveries —complete, incomplete, Footling, and Frank
- Cervical dilation — 6 stages
- Cesarean section delivery
- CPR
- Deliveries — vaginal, cesarean, forceps-assisted, and vacuum-assisted
- Episiotomy repair
- External version
- Fetal palpation — abdominal and Leopold's maneuvers
- Fetal suction
- Fundal massage
- Intramuscular injection sites (maternal only), right deltoid, left deltoid, right thigh
- Manual birthing maneuver — instructor/student-controlled fetal descent
- Membrane rupture
- Oral and nasal care — lavage, gavage, suctioning
- Patient positioning and transfer techniques
- Placenta previa
- Postpartum care
- Postpartum hemorrhage
- Scale electrode placement
- Shoulder dystocia maneuvers — McRobert's, Suprapubic Pressure, Rubin's I and II, Wood's Screw, Reverse Wood's Screw, Posterior Arm, Gaskin
- Umbilical cord clamping and cutting
- Umbilical cord prolapse

Basic Lucy

Includes:

- Abdominal pad
- Abdominal skin, 2 — 1 normal and 1 cesarean
- Amniotic sac, 50
- Articulating baby
- Cervices, 6 — stages 1-6
- Chest skin
- CPR chest
- Eyes, 3 sets — brown, blue, and green
- Fundus
- Hospital gown
- Inflation tubing with squeeze bulb
- Lubricating jelly
- Lung bag
- Pelvic block
- Perineal skin, 3 — prenatal, birthing, and episiotomy
- Perineal skin stabilizer pad
- Placenta
- Positioning bag
- Umbilical clamp
- Umbilical cords, 4 — 1 long and 3 short
- Wigs, 3 — black, blond, and brown

LF00042U Sh. wt. 72 lbs.

Complete Lucy

Includes all of the same features as Basic Lucy in addition to:

- Clotting blood
- Large soft rolling carry case
- ***Life/form***® Complete Set of Clots and Hemorrhages, 5 — 1 each of small blood clot, medium blood clot, large blood clot, perineal hemorrhage, and hemorrhage blood pool
- ***Life/form***® Newborn Nursing Skills and ALS Simulator — full-term newborn

LF00041U Sh. wt. 91 lbs.

Advanced Lucy

Includes all of the same features of Complete Lucy in addition to:

- ***Life/form***® Blood Pressure Arm
- ***Life/form***® IV Arm
- ***Life/form***® Micro-Preemie Simulator
- Small soft carry case

LF00040U Sh. wt. 117 lbs.

Articulating Baby
LF00050U Sh. wt. 4.50 lbs.

Replacement Cord Kit for Articulating Baby
LF00051U Sh. wt. 0.38 lbs.

Abdominal Pad
LF00060U Sh. wt. 2.25 lbs.

Abdominal Skin (Cesarean)
LF00059U Sh. wt. 3 lbs.

Abdominal Skin (Normal)
LF00058U Sh. wt. 2 lbs.

Cervices (Stages 1-6)
LF00067U Sh. wt. 2.25 lbs.

Fundus
LF00061U Sh. wt. 1.25 lbs.

Lung Bag
LF00070U Sh. wt. 0.25 lbs.

Meconium Methyl Cellulose
101-171U Sh. wt. 2.25 lbs.

Perineal Skin Foam Stabilizer Pad
LF00065U Sh. wt. 0.25 lbs.

Perineal Skin (Birthing)
LF00064U Sh. wt. 1.50 lbs.

Perineal Skin (Episiotomy)
LF00063U Sh. wt. 1.50 lbs.

Perineal Skin (Pre-Natal)
LF00062U Sh. wt. 1.50 lbs.

Placenta
LF00073U Sh. wt. 1.25 lbs.

Simulated Amniotic Sacs
LF00077U Roll of 50. Sh. wt. 1.75 lbs.

TrueClot® Blood Simulant
SB51046U Half-gallon. Sh. wt. 7 lbs.

TrueClot® Clotting Solution
SB51010U 500 ml. Sh. wt. 1.50 lbs.

Umbilical Clamp
LF00076U Sh. wt. 0.06 lbs.

Long Umbilical Cord
LF00074U Sh. wt. 0.63 lbs.

Short Umbilical Cord
LF00075U Pkg. of 3. Sh. wt. 0.63 lbs.



SB32878(L)U

Gaumard® NOELLE® Maternal Birthing Simulators

- Designed to provide a complete birthing experience before, during, and after delivery
- Features articulating full-body female manikin, intubatable airway with chest rise, IV arm for meds/fluids, removable stomach cover, multiple fetal heart sounds, automatic birthing system, multiple placenta locations, replaceable dilating cervices, and 1 articulating birthing baby with placenta
- Allows practice of Leopold's maneuvers, measuring head descent and cervical dilation, and postpartum suturing
- Monitor and log ventilations and chest compressions with OMNI® Code Blue® pack
- View feedback on your OMNI® device or any Windows® computer
- Includes 2 umbilical cords, 2 dilating cervices, 2 umbilical clamps, 2 vulval inserts, 3 vulvae for postpartum suturing, postpartum hemorrhage and palpation module, training guide, teaching guide with scenarios, OMNI® Code Blue® pack (CPR Link software, CPR Link connection cable, CPR module pre-installed in simulator, international power supply [100-240V AC]), OMNI® controller talcum powder, water-soluble silicone lubricant, and carry bag

Gaumard® NOELLE® Maternal Birthing Simulator

- 1-year warranty
- Sh. wt. 98 lbs.

SB48760(L)U Light **SB48760(M)U** Medium **SB48760(D)U** Dark

Gaumard® NOELLE® Maternal and Neonatal Birthing Simulator

- Allows practice of C-section and forceps deliveries
- Also includes 1 resuscitation baby with intubatable airway and umbilical catheter site
- 1-year warranty
- Sh. wt. 106 lbs.

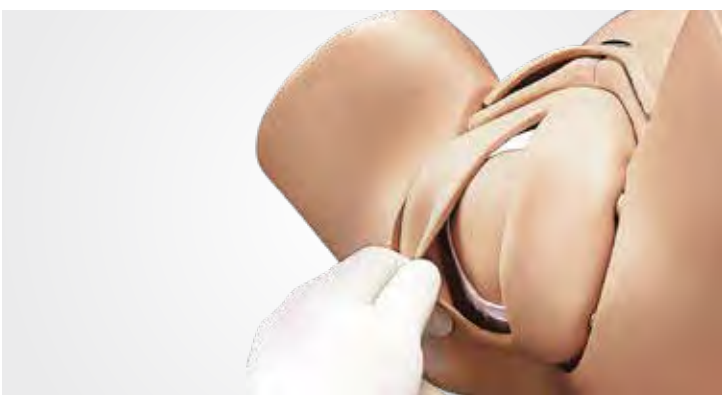
SB32878(L)U Light **SB32878(M)U** Medium **SB32878(D)U** Dark

Gaumard® NOELLE® Maternal and Neonatal Birthing Simulator with PEDI® Blue Neonate

- PEDI® Blue Neonatal Simulator with SmartSkin™ has the unique ability to change color based upon an initial pre-selected condition and the effectiveness of airway ventilation and chest compression provided
- Includes 1 Maternal controller
- 1-year limited warranty
- Sh. wt. 110 lbs.

SB37713(L)U Light **SB37713(M)U** Medium **SB37713(D)U** Dark

Gaumard® skin tones available: Light Medium Dark





Birthing Simulators

Life/form® Clots and Hemorrhages

- Use to assist with simulating assessment, diagnosis, and care
- Add simulated blood or other moulage techniques, as desired, to enhance the simulation
- Durable material allows for multiple uses with proper care

1. Small Blood Clot
- 3½ in. L x 3½ in. W x 1 in. H

LF00710U Sh. wt. 0.38 lbs.

2. Medium Blood Clot
- 5 in. L x 5 in. W x 1½ in. H

LF00709U Sh. wt. 0.38 lbs.

3. Large Blood Clot
- 5¼ in. L x 5 in. W x 1½ in. H

LF00711U Sh. wt. 0.38 lbs.

4. Perineal Hemorrhage
- 13½ in. L x 3¾ in. W x 1/16 in. H

LF00712U Sh. wt. 0.38 lbs.

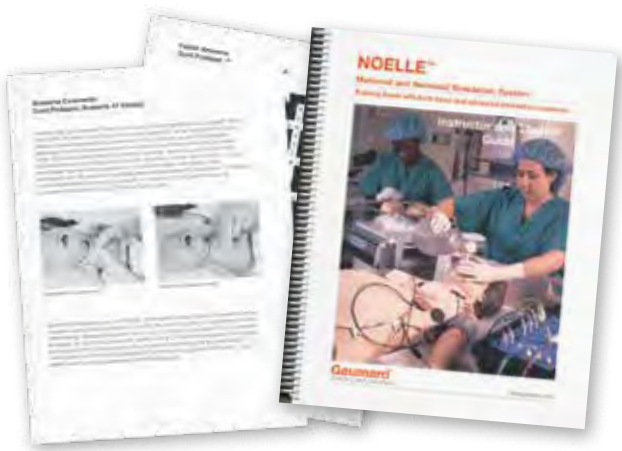
5. Hemorrhage Blood Pool
- 12½ in. L x 10¼ in. W x 1/16 in. H

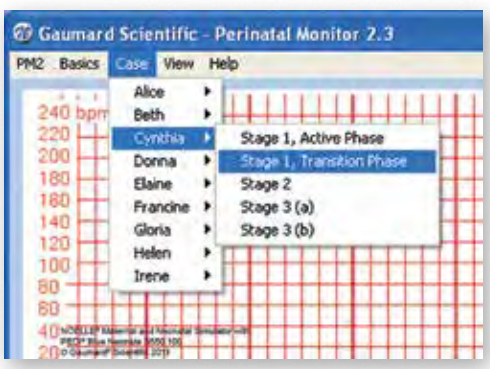
LF00713U Sh. wt. 0.38 lbs.

Complete Set
- Includes 1 of each replica listed

LF00714U Sh. wt. 1.75 lbs.







Gaumard® NOELLE® Training Guide

- Contains both basic and advanced interactive scenarios
- Easy-to-read guide for obstetrics and neonatal care
- Scenarios include:
  - Normal labor and delivery
  - Variations on normal labor
  - Shoulder dystocia
  - Pre-term breech delivery
  - PIH labor and delivery
  - C/S for active herpes
  - Ruptured membranes with cord prolapse
  - Hemorrhage
- Also includes discussion questions, quizzes, puzzles, and student readings
- 311 pages
- Spiral-bound

SB40267U Sh. wt. 2.50 lbs.

Gaumard® NOELLE® Perinatal Monitor

- Teaches the basics of fetal monitoring
- Contains the monitoring traces for all NOELLE® scenarios
- Features FHTs and maternal vital signs for the 9 NOELLE® scenarios discussed in the NOELLE® Instructor Guide (SB40267U)
- Create any FHTs your teaching curriculum requires with the Custom Editor

SB48850U Sh. wt. 1.25 lbs.

Gaumard® NOELLE® Perinatal Monitor with Scenario Generator
- Same as above (SB48850U), plus it also allows you to custom build your own scenarios

SB48851U Sh. wt. 1.25 lbs.



Blue Phantom™ Lumbar Puncture and Spinal Epidural – US only

- External landmarks at the iliac crests can be palpated to initially orient the user to the proper access points
- Palpation of the spinous processes provides additional landmarks
- Cerebral spinal fluid provides immediate feedback as to procedural complications
- Cerebral spinal fluid pressures can be easily increased in order to simulate pathological scenarios during lumbar puncture
- Ultrasound system can be used for identification of the optional insertion points, angle of needle insertion, and determination of the depth to the ligamentum flavum, epidural space, and spinal cistern
- Optional thoracic or cervical/upper thoracic spine insert allows users to practice thoracic or cervical epidural needle and catheter placements and shares the same superior performance and realism as the lumbar spine tissue insert
- The thoracic tissue module and cervical tissue module are optional and available at an additional cost
- Self-healing tissue saves you money by reducing the need for purchasing replacement parts
- 33-lb. (15 kg) model can be positioned in the upright or lateral decubitus position
- 17 in. L x 11 in. W x 17 in. H (43 cm x 28 cm x 43 cm)

BPLP2101U Sh. wt. 36 lbs.

visible vertebral column sections for successful spinal injections



Life/*form*® Spinal Injection Simulator

- Approaches include spinal anesthesia, spinal tap, epidural analgesia, caudal analgesia, sacral nerve block, and lumbar sympathetic block
- Easy-to-change vertebral column and replaceable skin
- Features proper resistance in needle puncture and accurate palpation reference points
- Spinal column can be charged with fluid
- Sitting or lateral positions for injection practice
- L1 and L2 sections of the vertebral column are visible
- Functional section includes L3-L5 vertebrae, plus the sacrum and coccyx
- Includes a fluid supply bag with connectors, instruction manual, and hard carry case
- Fluid supply stand and needle not included

5-year warranty

LF01036U Sh. wt. 27 lbs.

Spinal Replacement Kit
- Skin, musculatures, and spinal cord

LF01039U Sh. wt. 1.75 lbs.

Lubricant Kit – Pkg. of 6
- 2-oz. bottles

LF00985U Sh. wt. 0.88 lbs.

Fluid Supply Stand

LF01022U Sh. wt. 4 lbs.

Fluid Administration Set
- Fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.



Micro-Preemie Simulator



Life/form® Micro-Preemie Simulator

Age and Size Specifications

- Age: 25-week gestation
- Length: 12 in. from head to heel
- Hand-to-hand width: 8½ in.
- Head circumference: 9¼ in.
- Head depth: 3¼ in.
- Shoulder-to-shoulder width: 4 in.
- Stomach circumference: 8½ in.
- Toe-to-toe width: 6 in.
- Torso depth: 2 in.
- Weight: Less than 2 lbs.

"The Micro-Preemie has been a great tool for our staff education. We utilize the Micro-Preemie for skills education of our staff to teach stabilization of the small pre-term infant for transport to neonatal intensive care."
—A Hospital Obstetrics Nurse

Airway, Breathing, & Ventilation

- Realistic chest compressions
- ET tube insertion
- Bilateral lung expansion with visually dramatic chest rise
- Unilateral chest movement option (collapsed lung and main stem intubation)
- Positive pressure ventilation
- Sellick maneuver
- NG/OG tube insertion
- Chest rise and fall with mechanical ventilation
- Auscultation of lung sounds during ventilation
- Manually control rate and depth of respiration
- Suctioning

Chest Tube

- A permanent site in the neonate's right side accepts a nonfunctional 8-10 FR chest tube
- Practice chest tube insertion and care of the chest tube area

Cleaning & Diaper Changing

- Practice cleaning, bathing, and diaper changing while neonate is in the incubator
- Use cold cream to simulate cleaning vernix off of neonate's delicate skin
- Waterproof and completely immersible in water

Delivery

- Practice emergency delivery and transport scenarios

Gastrointestinal (GI)

- Left nostril accepts a functioning 5 FR nasogastric (NG) tube for practicing tube feeding and suctioning

Monitoring

- Various monitors, sensors, and electrodes may be attached and connected, just as they would be on a real neonate

Neural Tube Defect (Myelomeningocele)

- Optional structure representing an open neural tube defect easily attaches to the back

Observation & Measurement

- Observe and measure each part of the body (head, umbilicus, skin, etc.)

Scenarios

- Build your own high-risk delivery, emergency, transport, and NICU scenarios

Skin & Wound Care

- Soft, durable lifelike skin
- Delicate appearance and texture of real skin
- Skin breakdown is visible in three typical sites: occiput (back of head) and both heels
- Practice visual observation, care, prevention of skin breakdown, and bandaging

Stomas

- Single, removable, nonfunctional stomas to practice bag attachment, care, and cleaning of the ostomy sites

Suction

- Practice suctioning nose, oral cavity, and stomach

Umbilicus

- Soft, lifelike umbilicus has one functioning patent vessel
- Practice placement of umbilical lines
- Practice blood withdrawal or infuse fluids through a catheter using internal fluid reservoir
- A separate nonfunctioning umbilicus represents an optional omphalocele
- Made of soft, realistic material
- Can be attached and detached easily

Venous Access

- Four dry pre-ported sites can accept an IV catheter or butterfly infusion needle: right temporal vein, left antecubital fossa, dorsum of left hand, and right saphenous vein
- Patent umbilicus

specialized simulator for mastering specialized techniques

Life/form® Micro-Preemie Simulator

- Approximately 12% or 1 out of every 8 newborns arrive prematurely
- Delivery of an extremely low birth weight infant (≤1,000 g) remains to be an extreme medical emergency, requiring specialized techniques and equipment
- Simulates a 25-week neonate — the smallest, most realistically proportioned pre-term infant available
- Entirely flexible and offers training opportunities for a number of commonly performed procedures
- Extraordinary realism is achieved with the preemie's pose and lack of muscle tone
- Invaluable for simulation training in the care and handling techniques for infants requiring multiple medical interventions at the limits of viability
- Perfect for NICU, emergency medical response teams, flight medics, mock code scenarios, nursing schools, medical schools, hospitals, and family education
- Simple to use for simulation, requires no specialized equipment, and is compact and highly mobile
- Use for meeting objectives of the Neonatal Resuscitation Program's course curriculum
- Includes Micro-Preemie Simulator, diaper, hat (color may vary), umbilicus, omphalocele, neural tube defect, bilateral chest block, unilateral chest block, airway, 3 cc syringe, 25-gauge butterfly needle, lubricant, and blood powder
- 5-year warranty

Sh. wt. 4 lbs.

LF01280U Micro-Preemie, Light **LF01281U** Micro-Preemie, Dark

Life/form® skin tones available: Light Dark



Umbilicus



The reservoir can be used to either draw or receive fluids.

Pressure Ulcers





The manikin shows several typical sites of skin breakdown: occiput and heels.

Birth Defects



Myelomeningocele (Neural Tube Defect) — the optional structure may be plugged into the small opening in the back of the Micro-Preemie.



Omphalocele — the umbilicus may be replaced with the omphalocele for specialized training.

Optional Carry Case
- Blue nylon case with zip closure and carry handle
- 10 in. L x 7 in. H x 3½ in. D

LF03461U Sh. wt. 0.31 lbs.

Hat for Micro-Preemie

LF01211U Sh. wt. 0.06 lbs.

Consumables Kit for Micro-Preemie
- Includes 5 diapers, blood pack, and lubricant

LF01206(A)U Sh. wt. 0.50 lbs.

Replacement Kit for Micro-Preemie
- Includes umbilical cord, omphalocele, and neural tube defect

LF01285U Sh. wt. 1.25 lbs.

Replacement Chest

Sh. wt. 0.31 lbs.

LF01282U Bilateral Chest Rise
LF01283U Unilateral Chest Rise

Replacement Airway

LF01284U Sh. wt. 0.06 lbs.

Replacement Stoma for Micro-Preemie

Sh. wt. 1.25 lbs.

LF01288U Light **LF01289U** Dark

Patient monitoring available



Bulb Syringe

- Sterile 2-oz. manual aspirator
- Ideal for use with newborns and infants
- Can also be used as an ear syringe
- Latex-free

SB51833U Sh. wt. 0.44 lbs.

Pediatric Simulators





Life/form® Newborn Nursing Skills and ALS Simulator

- Use for meeting objectives of the Neonatal Resuscitation Program's course curriculum
- Newborn size: 19 in. L (crown to heel), 7½-lb. weight, 14½ in. head circumference
- Includes simulator, replaceable airway (2), bilateral lung, collapsed lung, functional (patent) umbilicus, omphalocele, myelomeningocele, hand skins (2), foot skins (2), vein system for hand, vein system for foot, 500 ml fluid supply bag (2), 3 cc syringe with needle, 25 gauge infusion butterfly needle, 25 ml syringe, artificial blood powder, lubricant, baby powder, and hard carry case
- 5-year warranty

LF01400U Sh. wt. 14 lbs.

Bilateral Chest Insert
LF01401U Sh. wt. 0.63 lbs.

Unilateral Chest Insert
LF01402U Sh. wt. 0.63 lbs.

Replacement Airway
LF01403U Sh. wt. 0.25 lbs.

Replacement IV Hand Skin and Vein
LF01404U Sh. wt. 0.06 lbs.

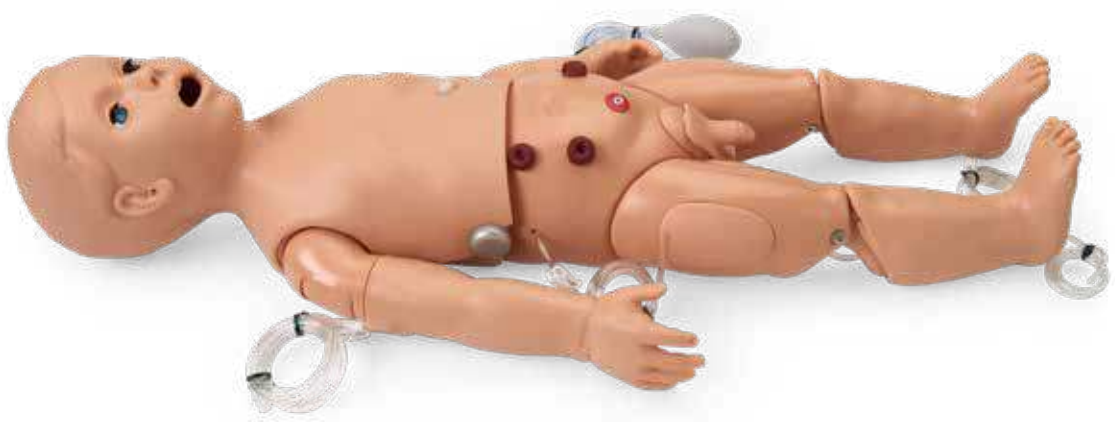
Replacement IV Foot Skin and Vein
LF01405U Sh. wt. 0.06 lbs.

Umbilicus
LF01406U Sh. wt. 0.06 lbs.

Birth Defects
LF01407U Sh. wt. 0.56 lbs.

Replacement Advanced Airway
LF01408U Sh. wt. 0.38 lbs.

For more information on ***Life/form***® Newborn Nursing Skills and ALS Simulator, visit our website.



Gaumard® Multipurpose Patient Care and CPR Pediatric Simulators

- Realistic simulator for student practice of pediatric patient care techniques
- Features include articulating head, jaw, arms, and legs; eye irrigation; oral, nasal, and digital intubation; place OP/NP tubes; right/left main stem bronchi; place nasal and oral gastric tubes; suctioning; BVM; chest compression/rise; lavage/gavage; G-tube placement; stomas for ileostomy, colostomy, and suprapubic exercises; intraosseous infusion; IV arm with variable, palpable pulses; and placement of rectal suppositories

1-Year-Old Manikin
Sh. wt. 22 lbs.
SB32866(L)U Light
SB32866(M)U Medium
SB32866(D)U Dark

5-Year-Old Manikin
Sh. wt. 29 lbs.
SB32865(L)U Light
SB32865(M)U Medium
SB32865(D)U Dark

Gaumard® skin tones available: Light Medium Dark

C.H.A.R.L.I.E. Neonatal Resuscitation Simulator

meet Baby C.H.A.R.L.I.E. and satisfy all your training requirements for NRP 7th edition

C : Compressions, Cardiac
H : Heat compatible
A : Airway, Arterial access via the umbilicus
R : Resuscitation
L : Laryngeal mask capable for oxygen use or PPV
I : Intravenous, Intraosseous, Intubation
E : ECG

Features:
- Airway, breathing, intubation, and ventilation
- Chest tube placement
- CPR
- ECG simulation (must have ECG simulator LF03670U or 101-102U)
- Gastrointestinal (GI) tube
- Intraosseous infusion
- Observation and measurement
- Palpable manual pulse points in 7 locations
- Patent umbilicus with venous and arterial access
- PICC site in arm
- Urinary catheterization to use with interchangeable genitalia

C.H.A.R.L.I.E. comes complete with:
- Airways, 2, standard and advanced
- Baby powder
- Blood
- Carry bag
- Defibrillation chest
- Intraosseous bones and skin
- IV bag
- IV skin and veins for hand and foot
- Male and female genitalia
- Myelomeningocele
- Needles
- Omphalocele
- Umbilicus
- Instruction manual
- 5-year warranty











C.H.A.R.L.I.E. Neonatal Resuscitation Simulator Without InteractiveECG Simulator

LF01421U Sh. wt. 14 lbs.

C.H.A.R.L.I.E. Neonatal Resuscitation Simulator with Interactive ECG Simulator

- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- Battery saver feature powers-off simulator automatically when not in use
- 6 waveforms
- 17 adult/pediatric rhythms

LF01420U Sh. wt. 15 lbs.

Bilateral Chest Insert
LF01401U Sh. wt. 0.63 lbs.

Unilateral Chest Insert
LF01402U Sh. wt. 0.63 lbs.

Replacement Airway
LF01403U Sh. wt. 0.25 lbs.

Replacement IV Hand Skin and Vein
LF01404U Sh. wt. 0.06 lbs.

Replacement IV Foot Skin and Vein
LF01405U Sh. wt. 0.06 lbs.

Umbilicus with Pulse
LF01412U Sh. wt. 0.06 lbs.

Birth Defects
LF01407U Sh. wt. 0.56 lbs.

Replacement Advanced Airway
LF01408U Sh. wt. 0.38 lbs.

Defibrillation Chest
LF01409U Sh. wt. 0.50 lbs.

Replacement Genitalia
LF01410U Male and female. Sh. wt. 0.50 lbs.

Replacement I/O Skin
LF01411U Sh. wt. 0.50 lbs.

I/O Bone and Blood Capsule
101-092U Pkg. of 12. Sh. wt. 2 lbs.

Patient monitoring available

Life/form® Interactive ECG Simulator



- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- 17 adult/pediatric rhythms
- 6 waveforms
- Battery saver feature powers-off simulator automatically when not in use

LF03670(A)U Sh. wt. 1.50 lbs.

Chest Post for Training Cables
175-0-Z08U Sh. wt. 0.02 lbs.

Birthing Simulator

master assistive delivery techniques

Forceps/Vacuum Delivery OB Manikin

- Has all of the same realistic and accurate anatomical manikin features as in Obstetrical Manikin, but with added features of premature and full-term fetuses
- Soft vinyl pelvis replicates resistance encountered in a delivery requiring forceps or vacuum intervention
- Removable abdominal overlay (included) is different from those that come with the 110-180U OB manikin, but the overlays are interchangeable, and optional
- Powder to make simulated blood, extra vulva, and soft carry bag is included
- Forceps & Vacuum Extractor not included
- 21 in. x 13 in. x 17 in.

110-1377U Light **110-1377BU** Dark Sh. wt. 17 lbs.



Forceps Overlay

- Removable abdominal overlay

110-171U Sh. wt. 2 lbs.

Preemie Baby for Forceps/OB Manikins

- 28 in. x 8 in. x 8 in.

Sh. wt. 5 lbs.

110-172U Light **110-172BU** Dark

Newborn Baby for Forceps/OB Manikins

- 28 in. x 8 in. x 8 in.

Sh. wt. 5 lbs.

110-173U Light **110-173BU** Dark

Additional Supplies

Cat. No.	Description	Sh. wt.
110-162U	OB Methyl Cellulose (1.6 oz.)	0.19 lbs.
110-182U	Vulva, Light	0.44 lbs.
110-182BU	Vulva, Dark	0.44 lbs.
110-183U	Transparent Overlay	1.25 lbs.
110-186U	OB Carry Bag	1.75 lbs.

skin tones available: Light Dark



Obstetrical Manikin

- Anatomically correct pelvic model with full-term newborn and placenta to give realistic practice in multiple techniques and to learn the procedure for emergency childbirth
- Disposable umbilical cords with clamps, easily replaced extra vulva, powder to make simulated blood, a modular pregnant belly overlay with permanently installed fetus for training practice of Leopold's maneuver to determine the fetus' lie by palpating its skull and kneecaps, and a clear abdominal overlay to see positioning are all included
- Lifelike pelvic cavity has pronounced pelvic landmarks, located spinal column, angled birth canal, ilium, ischium, sacrum, sacrospinous ligaments, and greater sciatic notch
- Fetus provided is of a realistic newborn size with fontanels and cranial sutures
- Soft carry bag is included
- 3-year warranty

110-180U Light **110-180BU** Dark Sh. wt. 19 lbs.

Pregnant Overlay with Fetus

110-184U Light **110-184BU** Dark Sh. wt. 4 lbs.

Umbilical Cords

110-159U Pkg. of 12. Sh. wt. 0.81 lbs.

Placenta

110-185U Sh. wt. 0.50 lbs.

Umbilical Cord Clamps

110-167U Pkg. of 6. Sh. wt. 3 lbs.

Inflation Bag

110-187U Sh. wt. 0.31 lbs.

skin tones available: Light Dark



110-180U

Gaumard® Advanced OB Susie® Birthing Torso

- Allows you to simulate every stage of the birthing process
- Simulate audible maternal and fetal heart sounds from 0-200 BPM, as well as audible newborn cries, grunting, and stridor
- Palpation of the fetus is ideal for practicing Leopold's maneuvers
- Practice vaginal breech deliveries and free the legs using the Pinard maneuver
- Also allows for deliveries requiring vacuum augmentation or forceps
- Includes torso, birthing baby, and newborn baby
- Bladder catheterization with variable urinary flow — use conventional urinary bladder to reduce bladder size
- Clamp placement and umbilical cutting
- Delivery of placenta — position placenta to simulate placenta previa
- Insertion of medication through rectum
- Simulate postpartum bleeding
- Uterine massage
- Vertex or breech deliveries

Birthing torso includes:

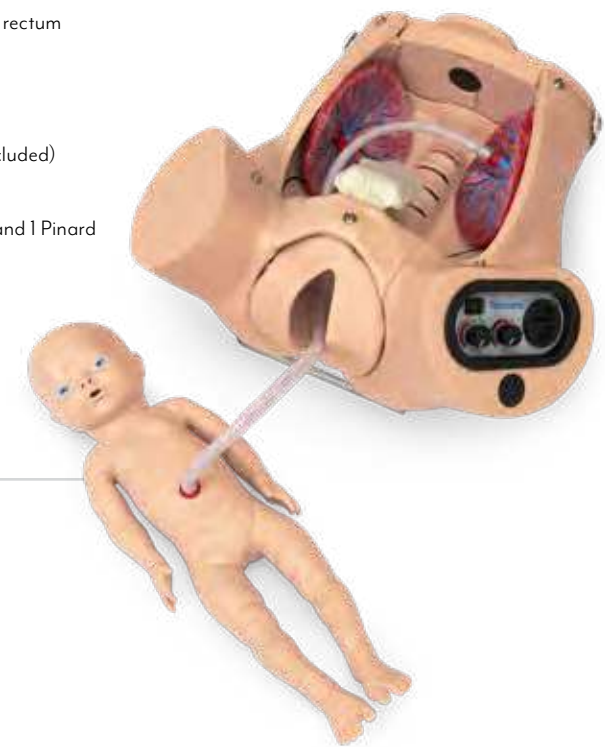
- Blood collection stand with squeeze bulb to regulate pressure
- Directions for use
- Distensible cervices (3)
- Midwifery gown with snaps
- Nonsterile urinary catheter (not for human use)
- Non-latex gloves (2 pairs)
- Placentas with removable fragments (2)
- Postpartum hemorrhage fluid silicone lubricant (1.25 liters)
- Requires 4 AA batteries (not included)
- Simulated blood concentrate
- Simulated urine concentrate
- Stethoscopes — 1 conventional and 1 Pinard
- Storage bag
- Suction bulb
- Talcum powder
- Vulval inserts (4)

Newborn baby features:

- Head cap to minimize hypothermia
- Squeeze bulb for operating umbilical pulse
- Umbilical catheterization

Sh. wt. 40 lbs.

SB50848(L)U Light **SB50848(M)U** Medium **SB50848(D)U** Dark



Neonatal Simulators



Gaumard® Susie® Articulating Newborn for Leopold's Maneuvers and Birthing Exercises

- Hands-on demonstration of all birth positions
- Features 19-part simulator including articulating head and neck, shoulders, elbows, hips, and knees; realistic mouth and nostrils for simulated suctioning; palpable fontanels, spine, shoulders, buttocks, elbows, and knees; position of newborn raised or lowered by air pressure in lower "cushion;" and ease of newborn palpation adjusted by air pressure in upper "cushion"
- Approx. 16½ in.
- May be used with the Advanced Childbirth Simulator
- Includes soft carry bag

Sh. wt. 6 lbs.

SB32873(L)U Light **SB32873(M)U** Medium **SB32873(D)U** Dark



Gaumard® Noelle® Maternal and Neonatal Birthing Torso

- Economical simulator for those programs dedicated to practicing all facets of childbirth
- Full-size upper and lower female torso comes with removable stomach cover and 1 articulating birthing baby with umbilical cord and placenta
- Automatic birthing system rotates baby as it moves through the birth canal
- Allows you to listen to fetal heart sounds, measure head descent, and cervical dilation
- Features multiple placenta positions
- Replaceable dilating cervices, practice on postpartum suturing on vulval inserts, and practice of Leopold's maneuvers
- Torso comes with 2 umbilical cords, 2 dilating cervices, 2 umbilical clamps, 2 vulva inserts, 3 vulvae for postpartum suturing, talcum powder, water-soluble silicone lubricant, teaching guide, training guide, and soft carry bag

Sh. wt. 51 lbs.

SB37714(L)U Light **SB37714(M)U** Medium **SB37714(D)U** Dark

Life/form® Cervical Dilatation and Effacement Simulators

- 3-D simulators provide lifelike simulation of cervical examination prior to birth
- Visual and tactile sensations experienced provide a positive transition to patient procedures
- Set consists of 6 separate 4 in. W x 4¼ in. H x 4¾ in. D pelvic blocks
- External appearance of all 6 blocks is identical, with the variations being in the internal structure
- Represents internal texture, tissue density, and correct anatomical size
- Simulators depict 6 different cervical conditions prior to birth; each is clearly identified on the back side to indicate which condition exists internally
- Gain a tactile understanding of no dilatation, 2 cm, 5 cm, 7 cm, 9 cm, and effacement conditions
- Includes 6 simulation blocks (Stages 1-6), acrylic stand, glove, powder, lubricant, instruction card, and a hard carry case
- 5-year warranty



LF01068U Sh. wt. 19 lbs.

Simulaids Pelvic Bone with Fetal Heads on Stand

- Female pelvis and 2 fetal heads designed to demonstrate the birth process
- 2 interchangeable heads, 1 full-term, the other premature, are fastened to a flexible shaft to allow passage, in different positions, through the pelvic outlet
- Both fetal heads contain skulls with palpable cranial sutures and anterior and posterior fontanels
- Models can also be used in demonstrating forceps and vacuum-assisted deliveries
- 3-year warranty



110-195U Sh. wt. 9 lbs.

tactile assessment of fetal head position

Life/form® Birthing Station Simulator

- Clearly shows the relationship between the fetal head and the ischial spines of the pelvic bone of the mother during the birth process
- Ischial spines can be readily felt during a vaginal examination, and serve as valuable landmarks in ascertaining the level to which the presenting part of the fetus has descended into the pelvis
- Features a fetal head that will lock in any one of 3 lock stations
- Minus Two Station shows the position of the fetal head when it lies above the ischial spines
- Zero Station shows the fetal head directly between the ischial spines
- Plus Three Station shows the fetal head below the ischial spines ready to enter into the birthing canal
- Simulator includes instruction manual and hard carry case
- 5-year warranty

LF01070U Sh. wt. 24 lbs.



Life/form® Episiotomy & Perineal Laceration Training Kit

- Obstetrical simulator offers an unprecedented opportunity for students to master the techniques needed to repair most common birth injuries
- By making an incision into the soft, lifelike pad, you can create a traditional episiotomy or nearly any type of first- through fourth-degree lacerations
- Embedded within the tissue are discreet structures representing the bulbocavernosus muscle, transverse perineal muscle, and external anal sphincter
- Muscles can be cut and repaired individually just as they would be in a real patient
- Simulated tissue will remain tough and resilient through many training sessions
- Lifelike feel allows the development of instrument handling skills, amount of tension on sutures, and different knot-tying methods
- Fully adjustable stand holds the pad and molded base at any angle
- Includes soft pad with molded base, adjustable stand, suturing instruments and scalpel in soft case, 1 suture, and a soft carry case
- Replacement pads available

LF01044U Sh. wt. 2.50 lbs.



Episiotomy Laceration Pad Replacement

LF01045U Each. Sh. wt. 1.25 lbs.
LF01045(A)U Pkg. of 3. Sh. wt. 3.25 lbs.

Suture Thread with Needle

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Suture Tool Kit with Case Only

LF01011U Sh. wt. 0.38 lbs.

lifelike skin for the most realistic suturing practice

Life/form® Episiotomy Suturing Simulators

- Simulators provide a realistic way for students to learn good surgical techniques and a variety of repair experiences
- Can be used by the student in a learning lab with an instructor, or by the student individually in the clinical setting
- In addition to being portable, the lifelike texture allows the learner to develop a "feel" for instrument handling, tension on suture, and the advantages of one method of tying knots over another
- Each simulator includes an instruction manual and is individually boxed
- 5-year warranty

Sh. wt. 2 lbs.

LF00691U Midline Suture Simulator
LF00692U Left Mediolateral Suture Simulator
LF00693U Right Mediolateral Suture Simulator


LF00691U


LF00692U

Episiotomy Suturing Simulator Set

- Includes 3 simulators

LF00690U Sh. wt. 7.50 lbs.

Suture Thread with Needle

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Mayo Hegar Needle Holder

- Highly polished stainless steel
- Box lock narrow jaw, serrated and indented
- Ratchet lock handle
- 6 in. L

C00879U Sh. wt. 0.19 lbs.

Suture Tool Kit with Case Only

LF01011U Sh. wt. 0.38 lbs.

Gynecology Manikins



Blue Phantom™ Female Pelvis – US only

- Develop necessary hand-eye coordination skills on realistic, durable ultrasound phantom models
- Designed specifically for obstetrics and gynecology ultrasound imaging and procedures
- Use your own ultrasound system

Intrauterine Pregnancy Transvaginal Ultrasound Training Models
BPOB1200U Sh. wt. 22 lbs.

Combination IUP Ectopic Pregnancy Transvaginal Ultrasound Training Model
BPOB1227U Sh. wt. 22 lbs.

Ectopic Pregnancy Transvaginal Ultrasound Training Model
BPOB1210U Sh. wt. 22 lbs.

Transvaginal Sonohysterography and Sonosalpingography Ultrasound Training Model
BPOB1801U Sh. wt. 22 lbs.



Simulaids EVA Gynecological Training Manikin

- Lifelike female pelvis for developing diagnostic skills in gynecologic procedures, anatomical instruction, abdominal palpation, and speculum instruction
- EVA allows the comprehensive, stress-free introduction of gynecological examinations, or more advanced tactile comparisons of pelvic pathologic conditions in a classroom setting, easing the way into clinical experience
- Detailed, lifelike anatomical features and references
- Includes the following interchangeable inserts: normal cervix for IUD insertion and removal, normal parous cervix, cervix with endocervical polyp, cervix with ectropion characteristics, cervix with neoplasia (carcinoma), normal uterus for IUD insertion and removal, pregnant 10-week uterus, and 2 adnexal masses
- Does not include ovaries
- Includes instruction sheet and soft nylon bag
- 3-year warranty

160-1900U Sh. wt. 8 lbs.

Pregnant Uterus
160-1904U Sh. wt. 1.25 lbs.

Abnormal Uterus
160-1905U Sh. wt. 0.31 lbs.

Normal Uterus
160-1906U Sh. wt. 1.25 lbs.

Normal Cervix
160-1913U Pkg. of 10. Sh. wt. 0.38 lbs.

Cervix Set
- Includes 1 normal and 4 abnormal cervices

160-1915U Sh. wt. 0.25 lbs.

Gaumard® Gynecological Simulator

- For training in vaginal examination, bimanual pelvic examination, IUD insertion techniques, and viewing cervical normality vs. abnormalities
- Includes 7 normal and abnormal uteri, 1 normal uterus with 6 detachable cervical replicas, 2 uteri for IUD introduction, 2 spare internal tanks, stomach cover, lubricant, and carry bag

Sh. wt. 20 lbs.

SB23542(L)U Light **SB23542(M)U** Medium **SB23542(D)U** Dark



Life/form® Advanced Pelvic Examination and Gynecological Simulator



- Ideal for all aspects of gynecological education, training, and competency evaluation, including the bimanual exam, speculum exam, and cytology sampling
- Unprecedented realism of internal and external features
- Interchangeable components make up its unique modular system
- You choose the scenarios
- Components can be combined in a multitude of ways
- Flexibility of customizing your scenarios with use of included makeup, blood, and thickener
- Additional specialized modules are also available (STD, post-menopause, S.A.N.E., and pre-puberty)
- Completely washable, disassembles for easy cleaning
- Starter unit includes torso, normal genital pad, normal pelvic organ block with vagina and rectum, abdominal gel pad, fabric abdominal pad, abdominal overlay skin, 7 uterus/cervix pieces (normal/normal with discharge option, retroverted/cervicitis, cancer/cancer, transparent IUD trainer, post-menopause/herpes, fibroids/polyp, early pregnancy), 5 detachable ovaries (normal, polycystic, small cyst, large adnexal mass), bladder insert, pelvic organ prolapse insert, baby powder, Injury Shades Makeup Wheel, Primary Colors Makeup Wheel, blood mix, thickener, syringe, lubricant, instruction manual, and hard carrying case
- 5-year warranty

LF01235U Sh. wt. 24 lbs.

Complete Set of Specialized Examination Modules

- Includes 1 of each of the 4 modules listed here

LF01244U Sh. wt. 5.50 lbs.

Sexually Transmitted Diseases (STD) Module

- Includes external genital pad and pelvic organ block/vagina and rectum
  - o Herpes blisters
  - o Venereal warts
  - o Syphilis chancre

LF01244(A)U Sh. wt. 1.50 lbs.

Post-Menopause Module

- Includes external genital pad and pelvic organ block/vagina and rectum
  - o Shrunken labia
  - o Narrow introitus
  - o Eversion of urethral meatus
  - o Anal tags
  - o Small thrombosed hemorrhoid
  - o Pale, smooth vaginal walls
  - o Vaginal lesions
  - o Vaginal adhesions
  - o Vaginal cancer



LF01244(B)U Sh. wt. 1.50 lbs.

Sexual Assault Nurse Examiner (S.A.N.E.) Module

- Includes external genital pad only
  - o Implanted pubic hair for evidence collection

LF01244(C)U Sh. wt. 1.75 lbs.

Pre-Puberty Module

- Includes external genital pad only
  - o Represents 6- to 10-year-old
  - o Pre-pubertal appearance
  - o Intact hymen

LF01244(D)U Sh. wt. 0.69 lbs.

Replacement Abdominal Skin Overlay

LF01236U Sh. wt. 0.88 lbs.

Replacement Organ Block

LF01237U Sh. wt. 0.88 lbs.

Replacement Genital Pad

LF01238U Sh. wt. 0.69 lbs.

Replacement Uterus, Set of 7

LF01239U Sh. wt. 1.25 lbs.

Replacement Ovary, Set of 5

LF01240U Sh. wt. 0.38 lbs.

Replacement Bladder/Prolapse Inserts, Set of 2

LF01241U Sh. wt. 0.38 lbs.

Replacement Fabric Abdominal Pad

LF01242U Sh. wt. 0.31 lbs.

Replacement Abdominal Gel Pad

LF01243U Sh. wt. 2.75 lbs.

Injury Shades Grease Paint Makeup Wheel

- Contains 6 colors commonly used to create bruises and contusions: warm, honey, maroon, dark purple, yellow, forest green, and thunder gray
- 1-oz. wheel

LF00760U Sh. wt. 0.19 lbs.

Primary Colors Grease Paint Makeup Wheel

- 1-oz. wheel includes 5 colors: white, black, red, yellow, and blue

LF00761U Sh. wt. 0.19 lbs.

Gaumard® skin tones available: Light Medium Dark

Gaumard® Zoe® Gynecologic Simulator



- Combines the ability to demonstrate multiple gynecologic procedures, as well as practice laparoscopic examination and minilaparotomy

Features:

- o Full-size adult female lower torso with relevant internal anatomic landmarks
- o Bimanual pelvic examination
- o Palpation of normal and pregnant uteri
- o Vaginal examination (including insertion of speculum)
- o Visual recognition of normal and abnormal cervices
- o Uterine sounding
- o IUD insertion and removal
- o Contraceptive sponge insertion and removal
- o Female condom insertion and removal
- o Diaphragm and cervical cap insertion and removal
- o Laparoscopic visualization and occlusion of fallopian tubes
- o Minilaparotomy
- o 1 anteverted and 1 retroverted parous uterus
- o One 10-week pregnant uterus
- o 1 postpartum uterus
- o 5 normal cervices with patent os
- o 4 abnormal cervices
- o 10 fallopian tubes
- o Realistically sculpted and anatomically accurate ovaries and fimbriae
- o Uterus and cervix feature patented "screw" design for fast and easy change-out

- Includes complete skin covering, talcum powder, K-Y Jelly, instruction manual, and soft nylon carry bag

Sh. wt. 30 lbs.

SB28796(L)U Light **SB28796(M)U** Medium **SB28796(D)U** Dark

Gaumard® skin tones available: Light Medium Dark

Gynecology Part Task Trainers

easy to see and differentiate cervical conditions



Life/form® Cervical Exam and Pap Smear Test Trainer

- Practice external and internal examinations, speculum insertion, and cytological sampling techniques on a simulator that is incredibly realistic and easy to use
- Includes external genital pad, vagina, 7-piece cervix set in plastic case, support blocks, baby powder, thickener, blood packet, syringe, lubricant, and instruction manual
- Compact size for easy setup, storage, and transport
- Extra-soft material and lifelike detail give extremely realistic training experience
- Modular design offers quick change-out for different scenarios
- Movable cervix
- 7 cervical conditions: normal, early pregnancy, polyp, early cancer, late cancer, inflammation, and dysplasia
- Speculum and cytological sampling equipment not included
- Includes materials for making realistic body fluids and secretions
- 5-year warranty

LF01230U Light **LF01231U** Dark Sh. wt. 5.50 lbs.

External Genital Replacement Pad
Sh. wt. 0.94 lbs.
LF01230(A)U Light
LF01231(A)U Dark

Replacement Vagina
LF01230(B)U Sh. wt. 0.44 lbs.

Replacement Cervix, Set of 7
LF01230(C)U Sh. wt. 0.38 lbs.

***Life/form*® skin tones available:**
Light Dark



Simulaids IUD Trainer

- Demonstrate proper IUD insertion techniques
- 3 in. x 4¼ in. x ¾ in.

160-1912U Sh. wt. 1.25 lbs.



MEDICAL PROCEDURE

STOPS Cut Suit P-2
Suture Practice ..... P-3 – P-7
Ear ..... P-8 – P-9
Vision ..... P-9 – P-10
Nose P-10
Dental P-11
Rectal Exams P-12
Urology Training P-13
Spinal Injection ..... P-13 – P-15
BlockSim™ P-16

Be READY



STOPS Cut Suit

STOPS Cut Suit – US only

The "Cut Suit" is the most realistic way to simulate the look, feel, and smell effects of severe traumatic events on a live human casualty while allowing first responders and physicians to safely perform real procedures – from the point of injury, to treatment en route, and transition of care to surgical intervention.



Features Unique to the Patent-Pending Cut Suit:

- The system can be worn during even intensely physical scenarios at the Point of Injury (POI)
- The system weighs approximately 35 lbs.
- Clothing, uniform, body armor, and equipment is usable
- The system allows for interaction with a live human during the emergency assessment and treatment process
- The skin and organs are user repairable
- Interchangeable organs with variable wound patterns or pathology (internal and external hemorrhaging)
- User-created and customizable wounds



Procedures currently available on the Cut Suit:

- Extremity hemorrhage control with tourniquet application, arterial ligation/clamping, internal compression (wound-void packing)
- Iliac arterial hemorrhage control
- Surgical Cricothyroidotomy
- Bilateral anterior and axillary chest needle thoracentesis
- Bilateral surgical chest-tube thoracotomy
- Suturing and stapling of skin in all locations
- Foley catheterization
- External bladder tap
- Thoracotomy and intra-thoracic exploratory surgery and hemorrhage control of gross organ structures
- Laparotomy and intra-abdominal exploration and hemorrhage control of gross organ structures
- Suturing of gross organ structures
- Anastomosis and resection
- Peripheral IV access

CS-Surg 2 Box Shipment. Sh. wt. 142 lbs., 92 lbs.















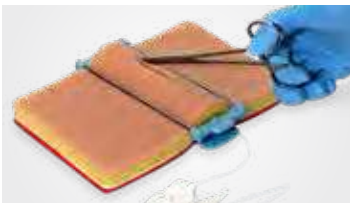


VATA, Inc. Suture Skills Trainer

- Realistic tissue pad consists of 5 anatomically correct tissue layers:
  - o Epidermis
  - o Dermis
  - o Subcutaneous Fat
  - o Fascia
  - o Muscle
- Each layer is identifiable and has anatomically correct color, strength, firmness, and feel
- Unique materials used allow for practicing superficial, subcuticular, and complex deep wound suturing
- With proper tension, the suture will not "tear through"
- Tissue pad moves just like real human tissue when making an incision or when suture tension is applied
- Sutures can be removed and you can reuse the site numerous times
- Comes with a proprietary tensioning device for use with the tissue pad, so the user can adjust the distance between the 2 cut tissue edges
- Offers the user a more realistic feel and increases the challenge when closing the tissue under varying degrees of tension
- Instruments are of a much higher quality than those generally supplied with suture models
- Trainer comes with everything you need:
  - o Tension Device
  - o Needle Driver
  - o Adson 1-2 Forceps
  - o Hooked Littauer Scissors
  - o Surgical Safety Scalpel
  - o 12 Nylon Sutures
  - o Disposable Skin Stapler
  - o Carrying Case

SB52444U Light **SB52446U** Dark Sh. wt. 3.50 lbs.

VATA, Inc. skin tones available: Light Dark



Replacement Tissue Pad for Suture Skills Trainer
Sh. wt. 1.25 lbs.

SB52445U Light **SB52447U** Dark

Replacement Skin Stapler for Suture Skills Trainer

- Gun comes with preloaded staples (not reloadable)
- Staples are wide size, measuring ¼ in. L x ⅛ in. W

SB52448U Sh. wt. 1.25 lbs.

Skin Staple Remover

- Provides fast and easy removal of surgical skin staples

SB52449U Sh. wt. 1.25 lbs.

Nylon Sutures

SB52450U Pkg. of 12. Sh. wt. 1.25 lbs.



Replacement Tension Device for Suture Skills Trainer

- Allows user to adjust the distance between 2 cut tissue edges

SB52451U Sh. wt. 1.25 lbs.

Replacement Instrument Kit for Suture Skills Trainer

- Includes needle holder, forceps, safety scalpel, and Littauer hook scissors

SB52452U Sh. wt. 1.25 lbs.

Replacement Case for Suture Skills Trainer

SB52453U Sh. wt. 1.25 lbs.



Suture Practice

Life/form® Interactive Suture Trainers

- A true-to-life clinical simulation experience
- Trainer attaches easily to a person's or manikin's arm, leg, or hip
- Allows practice of suturing techniques in addition to essential communication and patient-interaction skills
- Practice tying knots, placement of staples, and suturing both superficial and deep wounds
- By making your own incisions, you are able to determine the depth of suturing and the proper technique to be used
- Includes suture pad, attachable pad base with straps, needle holder, suture scissors, tissue forceps, scalpel, soft carry case, nylon suture, instrument case, and instruction manual
- Pad in base measures 7 in. L x 3 in. W x 4 in. D
- 5-year warranty

Sh. wt. 2.50 lbs.

LF00890U Light **LF00892U** Dark



Replacement Interactive Suture Pads — Light

LF00891U Each. Sh. wt. 1.50 lbs.
LF00891(A)U Pkg. of 3. Sh. wt. 3.75 lbs.

Replacement Interactive Suture Pads — Dark

LF00893U Each. Sh. wt. 1.50 lbs.
LF00893(A)U Pkg. of 3. Sh. wt. 3.75 lbs.

Replacement Sutures

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Suture Tool Kit with Case Only

LF01011U Sh. wt. 0.38 lbs.

Life/form® Suture Kit

- Make incisions and determine the depth of suturing and the technique to be used
- Practice and demonstrate tying knots, stapling and placement of staples, use of surgical glue, suturing deep tissue (placement and closure), and suturing subcutaneous tissue (placement and closure)
- Features epidermis, dermis, fascia, fat, and muscle layers
- Skin will allow placement and closure of superficial sutures
- Includes suture pad, tray to hold pad (not shown), durable carry case, needle holder, suture scissors, tissue forceps, scalpel, nylon suture, and small carry case to hold the instruments
- Pad measures 6 in. L x 4 in. W x 1½ in. D
- 5-year warranty

Sh. wt. 2.75 lbs.

LF01042U Light **LF01057U** Dark



Life/form® Suture Replacement Pad

LF01043U Light. Each. Sh. wt. 1.50 lbs.
LF01043(A)U Light. Pkg. of 10. Sh. wt. 14 lbs.
LF01067U Dark. Each. Sh. wt. 1.75 lbs.
LF01067(A)U Dark. Pkg. of 10. Sh. wt. 16 lbs.

Suture Replacement

- Includes 4-0 reverse cutting nylon suture

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Suture Tool Kit with Case Only

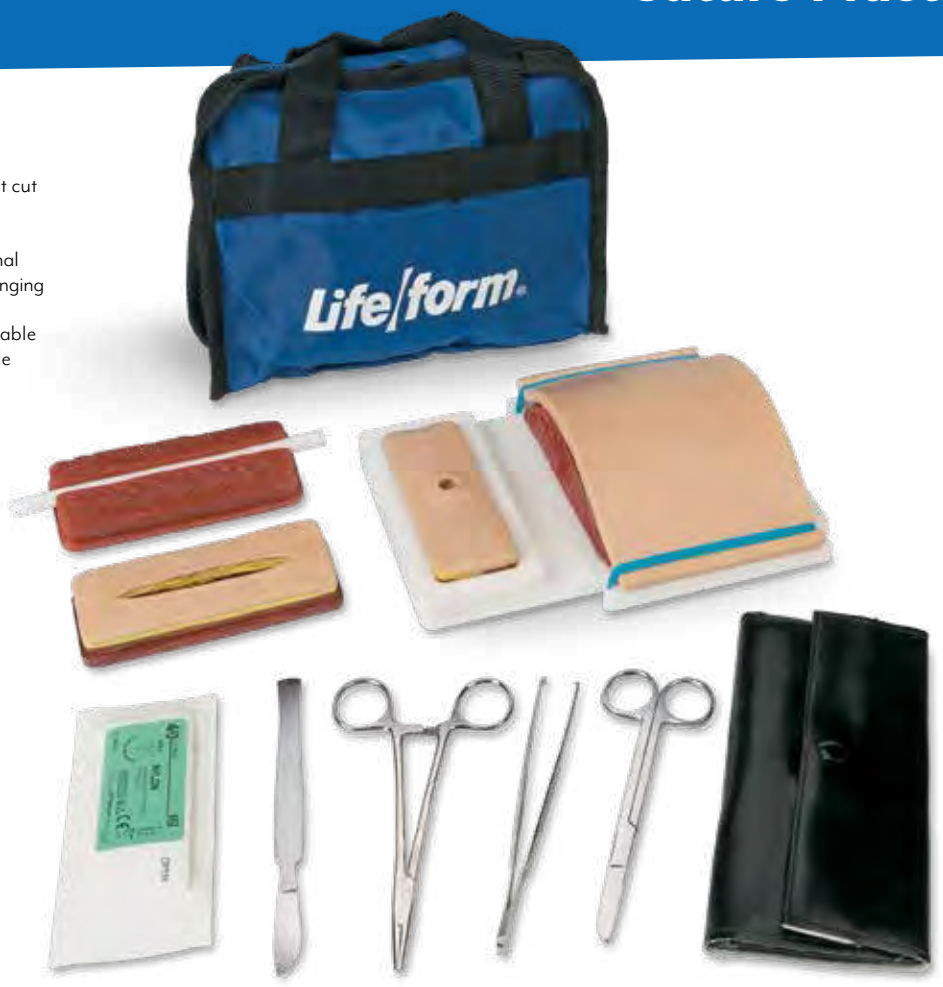
LF01011U Sh. wt. 0.38 lbs.

***Life/form*® skin tones available:** Light Dark

Life/form® Advanced Suture Kit

- Skin pad is highly resistant to tearing — sutures won't cut through even when pulled tight
- Skin pad can be sutured hundreds of times
- Includes easy-to-change specialty inserts for deep dermal suturing, tendon repair, and purse-string suture — challenging procedures that require a high degree of precision
- Inserts are compact, portable, and completely washable
- Includes base, 1 skin pad, 4 non-latex bands, 1 muscle block, 1 deep dermal insert, 1 tendon block, 1 tendon, 1 purse-string insert, suture kit, and carry bag
- 5-year warranty

LF00894U Sh. wt. 3.25 lbs.



Replacement Skin Pad

LF00894(A)U Sh. wt. 0.25 lbs.

Replacement Tendon

LF00894(B)U Sh. wt. 0.25 lbs.

Replacement Muscle Block

LF00894(C)U Sh. wt. 0.63 lbs.

Replacement Dermal Insert

LF00894(D)U Sh. wt. 0.25 lbs.

Replacement Purse-String Insert

LF00894(E)U Sh. wt. 0.25 lbs.

Replacement Tendon Block

LF00894(F)U Sh. wt. 0.25 lbs.

Suture Replacement

- Includes 4-0 reverse cutting nylon suture

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Demo Sutures™

- Quality, realistic, and cost-effective sutures
- Designed to provide the opportunity to practice suturing and knot-tying techniques in a simulation lab
- Sterile sutures are made of braided silk
- Black
- For instructional use only
- Not for human or animal use
- Boxes of 12

Sh. wt. 0.19 lbs.



PN01240U Size 0/0 with ½ Circle Curved Cutting Needle (19 mm)
PN01241U Size 2/0 with ½ Circle Curved Cutting Needle (19 mm)
PN01242U Size 3/0 with ½ Circle Curved Cutting Needle (19 mm)
PN01243U Size 4/0 with ½ Circle Curved Cutting Needle (19 mm)
PN01244U Size 5/0 with ½ Circle Curved Cutting Needle (19 mm)

First Aid

Life/form® First Aid Arm

- Make synthetic blood flow from the cut on the forearm, the severed thumb, or from both at the same time
- Regulate rate of bleeding and create venous or arterial flow
- Blood returns to collection tray for reuse
- Pressure points function realistically at wrist and upper arm
- Includes arm with wound, severed thumb, collection tray, arterial pulse bulb, venous supply bag, 1 quart ***Life/form***® blood, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty

LF01005U Sh. wt. 21 lbs.



Venous Blood

LF00845U Quart. Sh. wt. 0.38 lbs.
LF00846U Gallon. Sh. wt. 0.88 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5/16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag

- 500 ml

LF01017U Sh. wt. 0.38 lbs.

Suture Practice

lifelike suturing experiences for a lifetime of suturing success

Life/form® Suture and Stapling Practice Trainers

- Made with a soft vinyl skin over a core of stitchable foam to provide a lifelike suturing experience
- Realistic skin texture with wrinkles, pores, and visible fingerprints
- Soft and pliable for easy sewing
- Provides 3 pre-existing "wounds"
- Cut for additional wounds
- Trainers provide hundreds of suturing experiences before wearing out
- 5-year warranty

Life/form® Suture and Stapling Practice Leg

- Includes sutures and instruction manual

Sh. wt. 5.50 lbs.

LF01034U Light
LF00671U Medium
LF00674U Dark

Life/form® Suture and Stapling Practice Arm

- Includes sutures and instruction manual

Sh. wt. 2.75 lbs.

LF01028U Light
LF00670U Medium
LF00673U Dark

Life/form® Suture and Stapling Practice Set

- Includes both the Leg and Arm Suture and Stapling Practice Trainers

Sh. wt. 10 lbs.

LF01031U Light
LF00672U Medium
LF00675U Dark

Life/form® skin tones available: Light Medium Dark



LF00671U LF00670U



Suture Replacement

- Includes 4-0 reverse cutting nylon suture

LF07000U Each. Sh. wt. 0.19 lbs.
LF07000(A)U Pkg. of 5. Sh. wt. 1.25 lbs.

Suture Tool Kit with Case Only

LF01011U Sh. wt. 0.38 lbs.

Mayo Hegar Needle Holder

- Highly polished stainless steel
- Box lock narrow jaw, serrated and indented
- Ratchet lock handle
- 6 in. long

C00879U Sh. wt. 0.19 lbs.





master pediatric suturing skills in a low-stress environment

Life/form® Pediatric Suture Head Kit

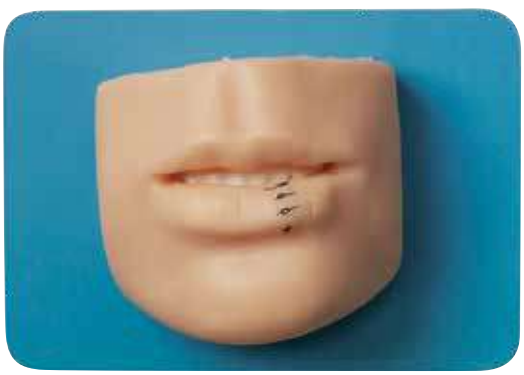
- Practice draping and bedside skills as well
- Soft, lifelike skin can be cut and sutured hundreds of times, then simply replaced over the permanent core and base
- Includes scalpel, forceps, needle holder and scissors in a soft case, 1 nylon suture, simulated blood, and baby powder
- 5-year warranty

LF01047U Sh. wt. 9.50 lbs.

Replacement Pediatric Head Skin

- Includes 1 replacement pediatric head skin

LF01047(A)U Sh. wt. 2.50 lbs.





LF01046U

Life/form® Facial Suturing Module Set

- Offers more challenging real-life scenarios than a flat pad
- Build confidence and technique in the repair of complex lacerations to the mouth, nose, ear and eye
- Soft, lifelike skin can be cut and stitched many times, then easily replaced over the permanent core and base
- Set includes scalpel, forceps, needle holder and scissors in a soft case, baby powder, and 1 nylon suture
- 5-year warranty

LF01046U Sh. wt. 3.25 lbs.

Replacement Nose Skin

- Includes 1 replacement nose skin

LF01046(A)U Sh. wt. 0.38 lbs.

Replacement Mouth Skin

- Includes 1 replacement mouth skin

LF01046(B)U Sh. wt. 0.38 lbs.

Replacement Ear Skin

- Includes 1 replacement ear skin

LF01046(C)U Sh. wt. 0.50 lbs.

Replacement Eye Skin

- Includes 1 replacement eye skin

LF01046(D)U Sh. wt. 0.56 lbs.

Gaumard® RITA™ Reproductive Implant Training Arm

- Compact simulator for inserting and removing Levonorgestral (Norplant®) implants
- Consists of upper left arm on base
- Soft arm inserts simulate soft arm tissue
- Soft foam insert can be rotated 360°, allowing multiple insertion exercises
- Includes 5 tubular inserts, 1 extra latex skin, and instructions

Sh. wt. 2.25 lbs.

SB46133(L)U Light
SB46133(M)U Medium
SB46133(D)U Dark

Gaumard® skin tones available: Light Medium Dark



Ear

Life/form® Diagnostic and Procedural Ear Trainer

- Master the skills needed to examine the human ear using visual cues, correctly diagnose common diseases, clean the ear canal, remove a foreign body, and perform a myringotomy with ear tube insertion
- Anatomically correct
- Lifelike right and left ears teach diagnostic and procedural techniques, and are removable for easy maintenance and storage
- For ultimate realism, the middle ear can be filled with various fluids
- Instructor controls the color and consistency of the fluids
- Includes 9 diagnostic cartridges with full-color photo prints illustrating:
  - Chronic otitis media with small and large tympanic membrane perforations
  - Normal tympanic membrane
  - Otitis media with effusion
  - Retracted tympanic membrane
  - Serous otitis media
  - 2 views of attic cholesteatoma
  - Tympanosclerosis
- Includes 2 ears, approximately 100 pre-cut eardrums, specially formulated ear wax, 3 standard middle ear cartridges with syringe, adjustable stand, and a hard carry case
- NOTE: otoscope, ventilation tubes, and surgical instruments are not included
- 5-year warranty

LF01090U Sh. wt. 12 lbs.



LF01090U

Pneumatic Ears

LF01076U Set of 2. Sh. wt. 0.50 lbs.

5 PSI Manometer for Pneumatic Ears

- Reads gauge and differential pressure in up to 11 units of measure
- Features large backlight display, max-min, hold, and auto power off functions

LF01077U Sh. wt. 2.25 lbs.

Replacement Eardrums

LF01091U Pkg. of 100. Sh. wt. 0.06 lbs.

Ear Wax Jar

LF01092U Sh. wt. 0.19 lbs.

Replacement Standard Cartridge

LF01094U Sh. wt. 0.31 lbs.

Replacement Ears

LF01089U Set of 2. Sh. wt. 0.50 lbs.

Diagnostic Cartridges

LF01086U Set of 9. Sh. wt. 0.31 lbs.

Disease of the Ear CD

LF01088U Sh. wt. 0.38 lbs.



LF01085U

an essential part of any ear exam

Life/form® Pneumatic Otoscopy Kit

- Optional feature for the trainer above (LF01090U)
- Pneumatic otoscopy is indispensable for examination of the ear
- Students, residents, and practicing physicians can learn how to generate the correct amount of air pressure needed to perform accurate pneumatic otoscopy to test for tympanic membrane mobility
- Kit includes a pneumatic pressure gauge, 2 pneumatic ears with pressure tubing, and a package of approximately 100 eardrums
- 5-year warranty

LF01085U Sh. wt. 2.50 lbs.

Life/form® Diagnostic & Procedural Ear Trainer with Pneumatic Otoscopy Kit

- Includes both the ***Life/form***® Diagnostic and Procedural Ear Trainer, as well as the ***Life/form***® Pneumatic Otoscopy Kit listed above

LF01066U Sh. wt. 16 lbs.

Ear Syringing Trainer

- Learn syringing without the fear or risk of harming a patient
- Flexible pinna allows manipulation
- Waterproof head is angled correctly
- Anatomically correct meatus with an embedded endoscopic photograph of a normal tympanic membrane showing the handle of the malleus as a landmark
- Includes synthetic wax

SB38893U Sh. wt. 4.75 lbs.





Digital Eye Examination/Retinopathy Trainer

- Hands-on experience in examination of the eyes and the use of an ophthalmoscope
- Easy-to-use trainer utilizes the latest in high-resolution digital screening technology, enhancing realism and the training experience
- Just type in the number of the eye condition or disease you want for each eye in the corresponding digital control, then cover the control pad with the examination cover
- 36 diabetic, common, and less common retinal conditions
- Sleep mode conserves power
- Features battery power option
- Batteries not included
- Includes mains adapter with worldwide plug fixings, instruction manual, and rigid carrying case
- 14⁹⁄₁₆ in. L x 13¾ in. W x 11⁷⁄₁₆ in. H

Sh. wt. 8.50 lbs.

SB51006U Light **SB51006(B)U** Dark

Skin tones available: Light Dark



Digital Eye and Ear Examination Trainer Set

- Digital Eye Examination/Retinopathy Trainer (SB51006U Light or SB51006[B]U Dark, listed at left)
- Digital Ear Examination Trainer (SB52823U Light or SB52824U Dark, listed above)

Sh. wt. 24 lbs.

SB52887U Light **SB52888U** Dark

Life/form® Ear Examination Simulator and Basic Nursing Set

- Specially molded to exactly simulate external and internal physical appearance and dimensions
- Plug-in removable ears are easily changed
- Life-size full-color prints on film, embedded at the tympanic membrane, provide the same realistic views experienced with a live patient
- Lifelike, flexible texture of the ears requires the same manipulation when using the otoscope as required on a live patient
- Realistic irrigation and cleaning exercises are possible with the 2 tubes of synthetic earwax that are provided with the simulator
- Supplementary set of 5 ears is available separately for advanced nursing and medical school training
- Includes normal tympanic membrane; mucoid otitis media, serous otitis media with fluid level, chronic otitis media with perforation, and normal tympanic membrane with slanted ear canal (all photos embedded); normal ear without photo for earwax removal exercise; 2 tubes of synthetic earwax; image CD showing each condition; instruction manual; and hard carry case
- 5-year warranty

LF01019U Sh. wt. 16 lbs.

Supplementary Set of Ear Replicas for Advanced Training

- Includes chronic otitis media with large perforation, attic cholesteatoma (A), attic cholesteatoma (B), and atelectatic middle ear otitis and tympanosclerosis (all photos embedded)

LF01020U Sh. wt. 2 lbs.

Earwax

LF01018U Applicator included. Sh. wt. 0.38 lbs.



Vision & Nose



Rubin's Eye and Vision Lab

- Witness how the human visual organ functions
- Recreate common visual disorders and discover how to correct them
- Topics include emmetropia, accommodation, myopia, hyperopia, presbyopia, and astigmatism. For each disorder, your students will have to implement appropriate corrective steps — reinforcing the learning experience as they do so
- Lab includes optical bench with track and indicator markings, object slide holder, anterior eye hemisphere, posterior eye hemisphere with retina, long-life halogen light source, 4 adjustable supports for positioning components on bench, set of 5 interchangeable color-coded corneal lenses made of impact-resistant optical plastic (plano lens, concave lens, convex lens, 2 astigmatic lenses), lens caddy, and step-by-step illustrated instructional guide to experiments
- 18 in. L x 4½ in. W x 8 in. H

SB48053U Sh. wt. 6 lbs.



Rhinoplasty Skills Trainer

- Practice skills for both cosmetic and functional rhinoplasty surgery
- Model is suitable for:
  - Teaching rhinoplasty skills
  - Open and closed rhinoplasty
  - Teaching anatomy
  - Cosmetic surgery
  - Straightening and improving nose structure
  - Restructuring and remodeling the nose, particularly a broken nose
- Life-size head is weighted to provide stability during practice
- Replaceable nasal insert
- Thermolabile cartilage can be shaped with a hot-air blower to simulate a number of nasal deformities upon which surgery can be simulated
- Materials used in nasal insert as cartilage can be cut to form spreader grafts of appropriate length and width
- Includes head, nasal insert, and cartilage and cover

SB52890U Sh. wt. 7.50 lbs.

multiple nose bleed scenarios for management practice

Nose Bleed Trainer

- Interactive model provides a practical test of skill in managing severe nose bleeds
- Students must identify the bleeding point, clear it by suction, and stop the bleeding either by nasal packing or cautery
- The nasal interior has capillary tubes for delivering artificial blood at variable rates to 4 sites on the septum
- Each site also contains an indicator light that illuminates to signal a successful cautery
- Includes hard plastic head with soft nasal area, control box, four 10 ml syringes, a 50 ml syringe, blood concentrate, and instruction manual
- Requires one 9V battery (included)
- 11 in. L x 6⅓ in. W x 7½ in. H
- 2-year warranty

SB38892U Sh. wt. 3 lbs.



X-Ray Dental Manikin

- Includes a special Dentoform® model with radio-opaque plastic teeth, flexible finger for holding film, bite-opening instruments, and latex tongue
- Includes chair mount

SB23463U Sh. wt. 6 lbs.

Sliding Clamp

- Includes black knob, thumb screw, O-ring, and all other required screws
- For use with SB23463U only

SB51025U Sh. wt. 0.44 lbs.



Sliding Clamp





Oral Anesthesia Manikin

- Practice local anesthesia techniques
- Model consists of metal skull with flexible silicone face and mouth lining over an anatomically correct jaw with 28 permanent teeth, movable tongue, and jawbone with landmarks for placement of dry injection that can be visibly seen and palpated
- Conduction sensors aid in practicing Gow Gates and Standard Mandibular block anesthesia
- Local infiltrations may also be administered in their respective regions
- Battery powered LED light on top of the manikin's head indicates when the correct position and angle of injection are achieved by signaling a green light
- Includes 3 AAA batteries

SB50100U Sh. wt. 9 lbs.



Dental Manikin Bench Mount

- Small portable bench clamp is popular with dental assistant and dental hygiene classes, as well as for dentistry students
- Has a lightweight universal ball-joint for simulating neck movement
- Use with Dental Manikin (SB23464U) listed at right
- 19½ in. L x 3 in. W

SB23467U Sh. wt. 2.25 lbs.



Dental Manikin

- Simple and economical chair manikin for auxiliary training of assistants and hygienists in the dental office
- Includes Dentoform® model for technique training, aluminum skull, and soft outer Plassein™ head
- Universal ball-joint allows for rotation of head into a variety of positions
- Includes chair mount

SB23464U Sh. wt. 6.50 lbs.



Pediatric X-Ray Dental Manikin

- Provides simulation of a deciduous dentition (mixed dentition) attached to a chair mounted simulator
- Special model design and attachments permit proper pedodontic radiographic techniques

SB31044U Sh. wt. 4.25 lbs.

Rectal Exams

Life/form® Prostate Examination Simulator

- Teach techniques of prostate examination with no harm or embarrassment to real patients
- 4 separate prostate glands are supplied with the torso, representing 1 benign gland and 3 stages of prostatic carcinoma in varying degrees of development
  - STAGE A GLAND — benign, slightly enlarged, but otherwise normal prostate gland
  - STAGE B GLAND — discreet, hard nodule is palpable in the upper right quadrant; simulates a beginning stage of carcinoma
  - STAGE C GLAND — spread of carcinoma is demonstrated; small nodule has increased in size and has become an external hard mass on the surface of the gland
  - STAGE D GLAND — gland is totally replaced with carcinoma; entire gland will feel hard and irregular
- Each gland can be inserted into the prostate torso to allow realistic practice in diagnosis by rectal palpation
- Includes 4 glands, lubricant, instruction manual, and hard carry case
- 5-year warranty

LF00901U Sh. wt. 19 lbs.

Prostate Gland Replacements

Sh. wt. 0.63 lbs.

LF00901(A)U Stage A **LF00901(B)U** Stage B **LF00901(C)U** Stage C **LF00901(D)U** Stage D

Lubricant Kit

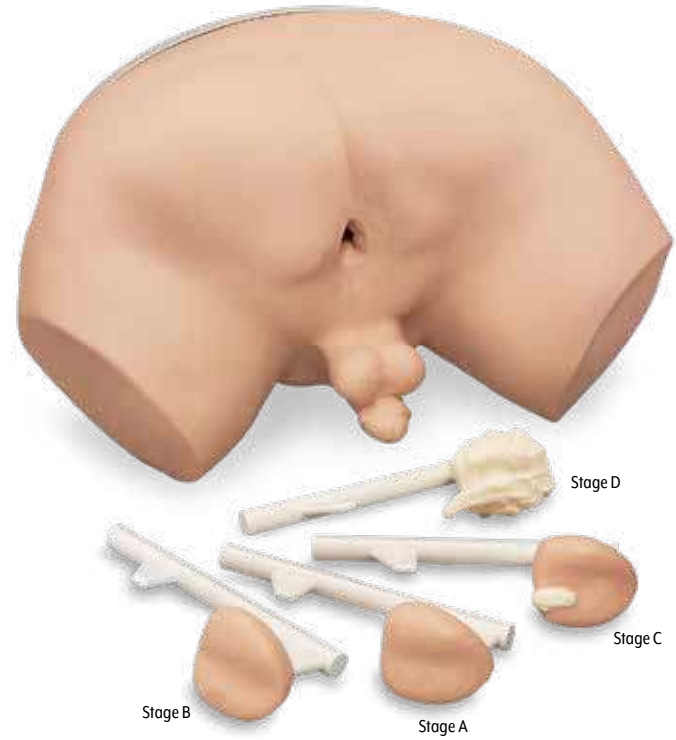
- 2-oz. bottle
- Pkg. of 6

LF00985U Sh. wt. 0.88 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.



Life/form® skin tones available: Light Dark

Life/form® Enema Administration Simulator

- Use for group demonstrations and practice sessions of any size
- Realistically practice administering an enema using this lifelike model
- Standard enema procedures can be performed using conventional enema apparatus — no special equipment is required
- All aspects of the simulator are realistic in every detail
- Upper buttock is flexible so the trainee must raise the buttock in order to locate and make insertion into the anus
- Drain tube is provided so fluid can be drained directly into a large container or sink
- Includes enema administration set, instruction manual, and hard carry case
- 5-year warranty

LF00957U Sh. wt. 19 lbs.

Hevi-Lube

- Specially formulated, highly concentrated lubricant for exclusive use with ***Life/form***® Enema Administration Simulator only
- Pint bottle

LF01050U Sh. wt. 0.94 lbs.

Fluid Supply Stand

- 5 in. x 8 in. base, 5⁄16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.



Replacement Tubing

LF01024U Sh. wt. 0.31 lbs.

Nasco Cleaner

- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Fluid Administration Set

- Includes fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.



SB38897U

Suprapubic Training Model

- Feel the normal pressures exerted by the abdominal wall on catheterization
- Understand the average length of catheter required to be inserted in order to drain the bladder
- Water will flow through catheter when bladder is successfully reached
- Lower torso is attached to a vacuum-formed base
- Also includes plastic container with lid and fittings, pressure bulb with tubing and connectors, size 16 Foley catheter, instruction manual, and rigid carrying case

SB38897U Light **SB52889U** Dark Sh. wt. 19 lbs.

Suprapubic skin tones available:: Light Dark

Gaumard® No-Scalpel Vasectomy (NSV) Model

- Compact simulator developed to assist in learning a new method of vas occlusion
- To provide realism, leg stumps are designed to "get in the way" of the student as the procedure is mastered
- Includes 2 removable scrotal skins and 2 testicles, 2 long vas assemblies that can be advanced as needed for NSV exercises, and instructions for use

SB48849(L)U Light **SB48849(M)U** Medium **SB48849(D)U** Dark Sh. wt. 5.50 lbs.





Bonnie Bone Marrow Biopsy™ Skills Trainer

- Learn and practice bone marrow biopsy procedures of the posterior spine and pelvic region
- Modeled from an average size female pelvic bone and spine
- Palpate landmarks such as the spinous process and the anterior and posterior iliac crests
- Facilitates proper biopsy needle placement
- Tilt base simulates treating patients in prone or side-lying positions
- Right and left posterior iliac crest bone inserts are replaceable and incorporate simulated bone marrow that can be extracted during simulated biopsy procedures to confirm proper technique
- Body skin shell has a soft feel
- Remove body skin shell to expose the entire underlying pelvic/spine anatomy and to facilitate iliac crest bone insert replacement
- Puncture site insert over posterior iliac crest bones is also replaceable, allowing for multiple site punctures
- Includes body skin shell, puncture site skin insert, left and right iliac crest bone insert (1 set), tilt stand, and carrying case
- 1-year warranty

SB52380U Sh. wt. 17 lbs.

Replacement Puncture Skin Insert

SB52381U Sh. wt. 3.50 lbs.

Replacement Right and Left Posterior Iliac Crest Inserts

SB52383U 5 Sets. Sh. wt. 2.25 lbs.

Spinal Injection

visible vertebral column sections for successful spinal injections

Life/form® Spinal Injection Simulator

- Approaches include spinal anesthesia, spinal tap, epidural analgesia, caudal analgesia, sacral nerve block, and lumbar sympathetic block
- Easy-to-change vertebral column and replaceable skin
- Features proper resistance in needle puncture and accurate palpation reference points
- Spinal column can be charged with fluid
- Sitting or lateral positions for injection practice
- L1 and L2 sections of the vertebral column are visible
- Functional section includes L3-L5 vertebrae, plus the sacrum and coccyx
- Includes a fluid supply bag with connectors, instruction manual, and hard carry case
- Fluid supply stand and needle not included
- 5-year warranty

LF01036U Sh. wt. 27 lbs.

Spinal Replacement Kit
- Skin, musculatures, and spinal cord

LF01039U Sh. wt. 1.75 lbs.

Lubricant Kit
- 2-oz. bottles

LF00985U Pkg. of 6. Sh. wt. 0.88 lbs.

Fluid Supply Stand

LF01022U Sh. wt. 4 lbs.

Fluid Administration Set
- Fluid bag with tubing and a fitting

LF01098U Sh. wt. 0.25 lbs.





LF01006U

Life/form® Pediatric Caudal Injection Simulator

- Includes all the functions of the Pediatric Lumbar Puncture Simulator (LF01000U, below), and also includes an anatomically correct coccyx with sacral hiatus for the most realistic practice possible
- Includes 2 soft skin pads — 1 transparent for preliminary anatomic study and 1 opaque for more advanced hands-on training
- Targets key skills specific to pediatric lumbar puncture and caudal injection procedures
- Infant measures 20 in. L x 7 in. W x 6 in. H and the board measures 22 in. L x 10 in. W
- Includes the Pediatric Caudal Injection Infant on a sturdy board, 2 skin pads with spine and spinal tubing, IV bag with tubing, baby powder, instruction manual, and hard carry case
- Fluid supply stand and needle not included
- 5-year warranty

LF01006U Sh. wt. 22 lbs.

Replacement Kit

LF01006(A)U Sh. wt. 0.63 lbs.

Life/form® Pediatric Lumbar Puncture Simulator

Benefits:
- o Cerebrospinal fluid collection
- o Intrathecal injections
- o Measure cerebrospinal fluid pressure
- o Needle positioning and insertion
- o Palpation of landmarks
- o Skin preparation
- o Targets key skills specific to pediatric lumbar puncture procedures

- Simulator represents a 10- to 12-month-old infant
- Lumbar puncture may be performed in the L3-L4, L4-L5, or L5-S1 spaces
- Correct site can be located by palpating the iliac crest and spine
- Anatomically correct and palpable
- Correct body positioning
- Realistic resistance
- Immediate feedback for proper needle placement
- Infant measures 19 in. L x 7 in. W x 6 in. H and the board measures 19½ in. L x 11 in. W
- Includes the Pediatric Lumbar Puncture Infant on a sturdy board, lumbar puncture pad with spine and spinal tubing, IV bag with tubing, baby powder, instruction manual, and hard carry case
- Fluid supply stand and needle not included
- 5-year warranty

LF01000U Sh. wt. 20 lbs.



Pediatric Lumbar Puncture Replacement Kit

LF01000(A)U Sh. wt. 0.50 lbs.

Fluid Supply Stand

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag

LF01130U 500 ml. Sh. wt. 0.31 lbs.

Nasco Cleaner

LF09919U 12-oz. bottle. Sh. wt. 0.88 lbs.



Gaumard® Lumbar Puncture Trainer

- Provides realistic tactile feedback combined with a fluid supply and pressure system, allowing the collection of CSF and measurement of opening pressure
- Ideal for practicing injection of local anesthesia, aseptic technique, needle insertion between vertebrae, lumbar puncture, and epidural
- Anatomic features include iliac crests, lumbar vertebrae L2-L5, ligamentum flavum, epidural space, and dura
- Lifelike needle resistance
- LED displays pressure set-point ranging from low, medium, to high pressure
- Left lateral decubitus or sitting positions
- Pressure system to increase or decrease pressure
- Replaceable spinal cord insert with skin layer, subcutaneous layer, connective tissue, and lumbar vertebrae
- Self-healing skin that allows 15 uses with an 18-gauge needle and 25 uses with a 22-gauge needle before replacement is necessary

SB50854(L)U Light **SB50854(M)U** Medium **SB50854(D)U** Dark Sh. wt. 18 lbs.

Gaumard® skin tones available:: Light Medium Dark



PerfusionSim™

A task trainer for both normothermic regional perfusion (NPR) in donation after circulatory death (DCD) organ transplantation and resuscitative endovascular balloon occlusion of the aorta (REBOA).

Includes:

- Full-size adult torso manikin with removable chest
- Internal anatomy set (spine, ribs, kidneys, liver, diaphragm, lungs, heart)
- 2 vessels puncture insert (1 installed, 1 spare) (INSPFS)
- Bag for the arterial simulated blood collection
- Manual pump for loading simulated blood in the femoral vein
- Transport box
- Manual
- Remote training
- 1 year hardware warranty
- 53 in. x 30 in. x 9 in.

PDS Sh. wt. 24.3 lbs.



BlockSim™

BlockSim™, The Ultrasound-Guided Fascia Blocks Simulator

BlockSim™ is an innovative, high fidelity system for the simulation of ultrasound-guided fascia blocks

The simulator includes very realistic ultra-durable inserts. Traditional anatomical landmarks, a lightweight, compact and easy to store box equipped with high fidelity sensors for the virtual ultrasound monitor. BlockSim™ is able to provide the opportunity to acquire and practice technical skills in a safe, controlled, and reproducible environment without the risk of harm to patient and with the capability to be repeatedly used. BlockSim™ is the ideal "virtual phantom" for this kind of procedures since is readily available, has got inexpensive inserts/pads and it can provide tactile feedback. BlockSim™ is also able to hold a needle in place and to not generate needle tracks as well as not be a health hazard. BlockSim™ enables hands-on procedural training and permits, thanks to its realistic insert, coherent simulation of the resistance to penetration of the different tissues traversed by the needle during fascia block procedures.

Ultrasound monitoring includes:
- Monitoring of the procedure by a simulated ultrasound probe
- Real time simulation of filling the fascia with local anaesthetic

Permitted movements and ultrasound monitoring:
- Needle movements are allowed both in the forward and in the backward direction
- It is possible to move the ultrasound probe in different directions on the available insert and to observe a coherent and real-time modification of the scene (allowing the user to investigate the volume of the follicles and to choose the proper entry plane for the needle)
- It is possible to rotate the ultrasound probe and to get a transverse view
- Simulated injection of the local anesthetic driven by an external syringe

Exercise and Simulations:
- The user can practice and develop competency using simulation scenarios based on real clinical images. The available scenarios take into account:
  - The proper movements to reach the target
  - The avoidance of critical anatomical structures
  - A user's performance can be evaluated on all the above aspects
  - At the end of the procedure, an indicative global score will be given to the user based on his performance

The BlockSim™ includes:
- BlockSim™ main black box with external connections
- 1 Pectoralis tissue insert for parasternal, pectoralis nerve blocks (PECs I and PECs II) and serratus plane blocks
- 1 Spinal Tissue Insert for paravertebral and erector spinae plane (ESP) blocks
- Instructor notebook
- 1 Abdominal Tissue Insert for transversus abdominis plane, quadratus lumborum (QLB) and lumbar blocks
- External LCD Display
- IP67 certified and waterproof transport case
- User Manual
- Free updates

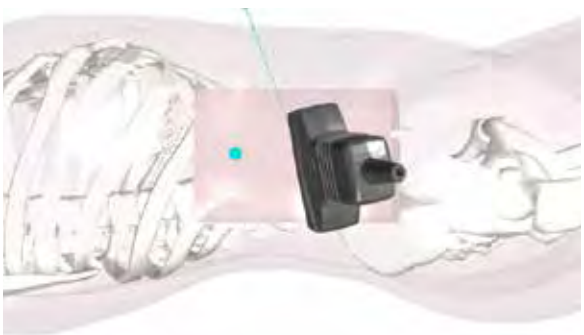
BlockSim™ is a product from Accurate, a company blending international experience, scientific research, engineering and development of truly effective hi-tech educational solutions in the medical field.

CLINICAL USE DISCLAIMER: BlockSim™ is licensed for use for educational purposes only. BlockSim™ is not intended for clinical use. Accurate srl patent.



BLOCK SIM™





BlockSim - high fidelity system for the simulation of Ultrasound-Guided Fascia Blocks:
- N°1 BlockSim sensorized black box
- N°1 Notebook PC with BLK software
- N°1 LCD Monitor
- N°1 Simulated ultrasound probe
- N°1 Sensorized Needle
- N°3 Fascia Blocks Tissue Inserts
- Transport boxes and instruction manual
- 1 year warranty

BLK Sh. wt. 55.125 lbs.

Abdominal Tissue Insert for transversus abdominis plane, quadratus lumborum (QLB) and lumbar blocks

INS_ATI Sh. wt. 8 lbs.

Pectoralis Tissue Insert for parasternal, pectoralis nerve blocks (PECs I and PECs II) and serratus plane blocks

INS_PTI Sh. wt. 3 lbs.

Spinal Tissue Insert for paravertebral and erector spinae plane (ESP) blocks

INS_STI Sh. wt. 3 lbs.

Monitor LCD

BLKMON Sh. wt. 9 lbs.

Laptop PC with BLK Software included

BLKPC Sh. wt. 9 lbs.

Replacement Probe

BLK_BRP Sh. wt 1 lbs.

RESUSCITATION & CPR

CPR Training, Basic Life Support ..... **C-2 – C-22**
Econo Family..... **C-4**
Brad Family **C-3, C-7, C-15**
CPR Prompt® ..... **C-5 – C-9**
Buddy® ..... **C-10 – C-12, C-24**
CPARLENE® ..... **C-17 – C-19**
Basic Life Support, Airway Obstruction Training..... **C-23**
Basic Life Support, AED Training ..... **C-24 – C-25**
Basic & Advanced Life Support, Veterinary Training ... **C-26**

Be READY



high-tech solution for CPR training and documentation



CPR Metrix iPad®* Control

- Graphical interfaces and audio feedback are easy for students to use and follow
- Solid documentation lets you easily track each student's performance
- Debriefing tools help with documentation and support training
- Detailed reports can be saved in PDF format
- Update the following ***Life/form***® manikins with electronics:
  - ***CRiSis***™ Manikin
  - ***CRiSis***™ Manikin with Advanced Airway Management
  - ***CRiSis***™ Auscultation Manikin
  - ***CRiSis***™ Auscultation Manikin with Advanced Airway Management
  - Full Body "Airway Larry" with Electronic Connections
  - Full Body "Airway Larry"
  - **CPARLENE**® Full-Size Manikin with Electronics Connection
  - **CPARLENE**® Torso with Electronics Connection

CPR Metrix Control Box Only

LF03405U Sh. wt. 2 lbs.

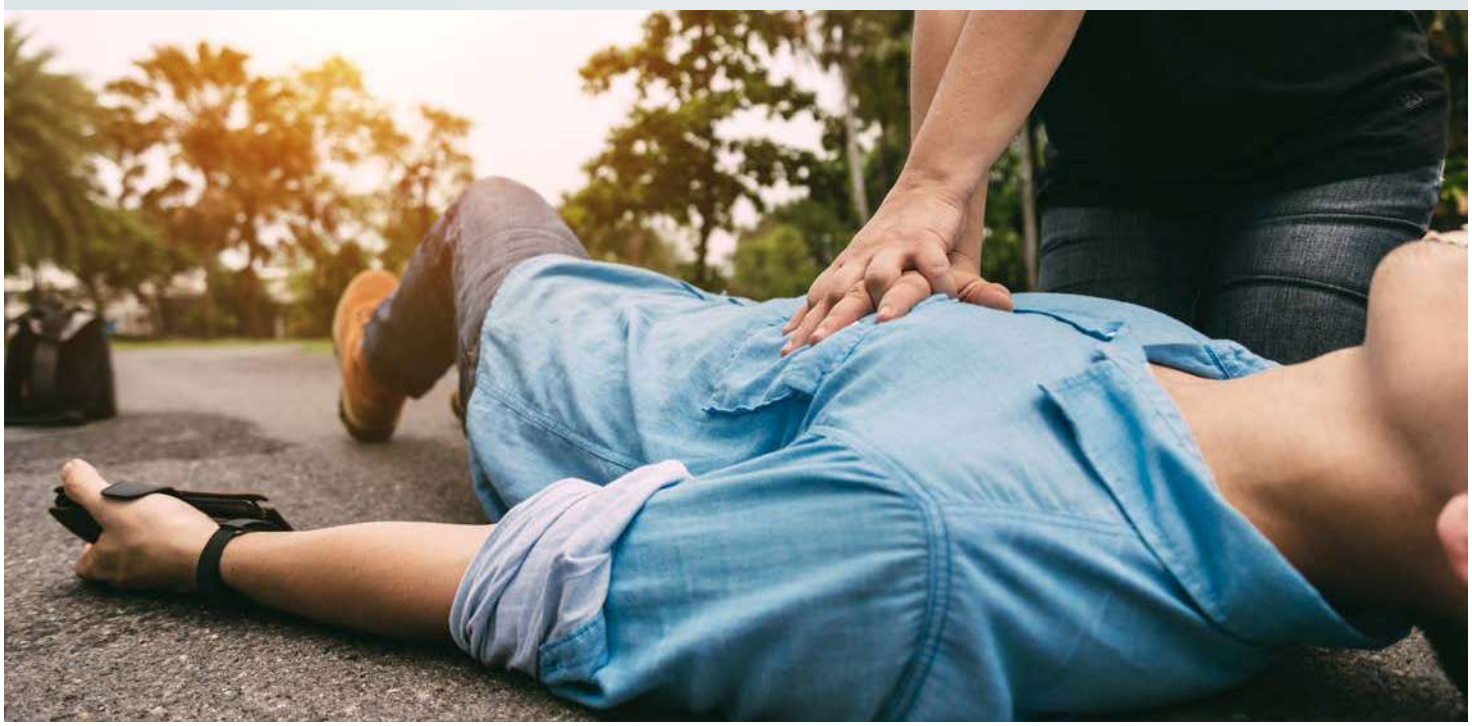
CPR Metrix Control Box and iPad®

LF03406U Sh. wt. 5 lbs.

*iPad® is a trademark of Apple, Inc., registered in the U.S. and other countries.







your solution provider for AHA compliance

Brad™ VTA

An easy and cost-effective way to make CPR skills training compliant with the 2019 AHA Guidelines.

- Has the same look and feel of the lifelike Brad™ CPR trainer, which has been a favorite of many instructors for years
- Economical CPR manikin is made of soft, realistic vinyl plastic over polyurethane foam and rib structure to provide consistent high-quality training
- Tested true for over a million compressions
- Durable and easy to use
- Features include:
  - Long torso for realistic abdominal thrusts
  - Realistic head tilt and chin lift for opening airway
  - Anatomical landmarks including sternum, rib cage, and substernal notch
- Airway manipulates easily to simulate airway obstruction or choking
- VTA system combines observable chest rise, which verifies proper ventilation, with visual feedback rate, depth of compressions, and release on compressions
  - Rate light comes on with the correct rate
  - Second light comes on to show correct depth with proper release
  - Both lights on indicate the delivery of quality CPR
- Includes carry bag, kneeling pads, 3 disposable lung airway systems, 3 channel design mouth/nosepieces, and a 9V battery
- Latex-free
- 1-year warranty

100-2865U Sh. wt. 19 lbs.



For more basic life support solutions, see following pages or visit our website.

effective, cost-efficient CPR training



Simulaids Econo VTA (Visual Training Assistant) CPR Trainer

- Has the same look and feel of the lifelike Economy Sani-Manikin
- Simple face shield lung system means no cleaning, disinfecting, or disassembly is required
- Features head tilt/chin lift feature for opening the airway, tough vinyl skin for extended service, and a foam-filled torso for resistance to compressions
- Palpable landmarks ensure proper hand placement
- Observable chest rise verifies ventilation
- Rate light comes on when the correct rate is achieved
- Second light comes on to show correct depth with proper release
- Both lights on indicate the delivery of quality CPR
- Includes 3 airways and instructions

Sh. wt. 7 lbs.

100-2160U Light
100-2160BU Dark

Econo VTA CPR Trainer 4-Pack
Sh. wt. 28 lbs.

100-2161U Light
100-2161BU Dark

Simulaids skin tones available: Light Dark

Kyle™ 3-Year-Old Full Body Manikin VTA

- Portrays a 3-year-old child for instruction of CPR techniques
- Features an airway cutoff, individual mouth/nosepieces, and a completely disposable airway system with a non-rebreathing valve
- 3-year warranty

Kyle™ with Carry Bag

100-2965U Light. Sh. wt. 9 lbs.



Sani-Child TORSO VTA

Economical child CPR manikin featuring single-use airway/lung/face shield system; anatomical landmarks include sternum and rib cage plus substernal notch

- No cleaning, no disinfecting, no disassembly required
- 3-year warranty

100-2163U Light. Sh. wt. 5.50 lbs.

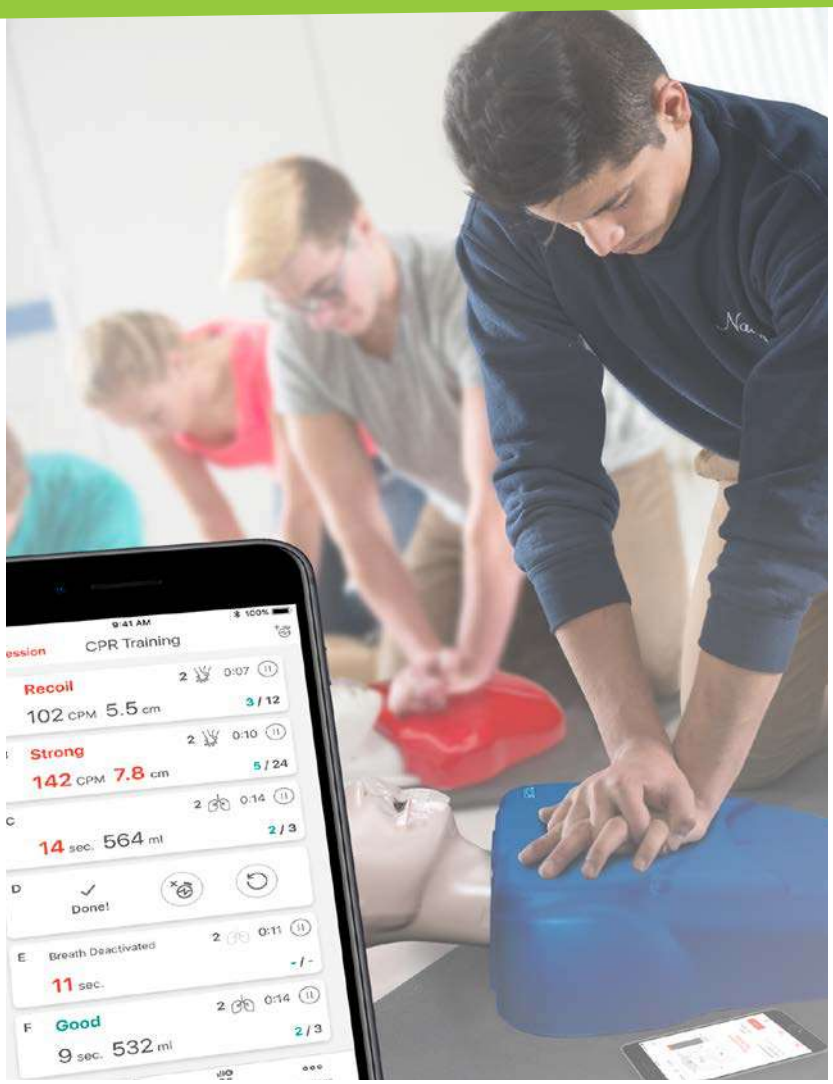




CPR+ PROMPT

Powered by heartisense™





CPR Prompt® Plus powered by Heartisense™

- Professional-quality, 2019 AHA Compliant manikin at a fraction of the cost
- Heartisense™ Solutions enable accurate, effective training with apps and sensor kit
- Student and instructor apps provide real-time feedback and feature adult capabilities, as well as a realistic interface
- Practice Heimlich maneuver and abdominal thrusts, as well as CPR and mouth-to-mouth breathing
- Realistic anatomical markings (Adam's apple, carotid arteries, navel, rib cage, and chest notch) make it easy to learn correct hand placement for checking pulse and performing chest compressions
- Easy-to-clean heads are dishwasher safe and can easily be sanitized
- Delivers head-tilt/chin-lift method to open airway or simulate obstructed airway with a visible chest rise when ventilated
- Each pack comes with CPR add-on kit student* and instructor* apps, insertion tools for face shield lung bags, carry bag, and assembly instructions
- Requires 2 AAA batteries per kit (not included)
- Audible compression "clicker" included for use with manikin only
- Training data is saved digitally on the phone or tablet
- 5-year warranty on manikin
- 1-year limited warranty on CPR Prompt® Plus add-on kit hardware

NOTE: Use only AED training devices. When using foam-bodied manikins for AED training, use only pads designed for foam bodies.

CPR Prompt® Plus

- Includes adult/child manikin, 10 face shield lung bags, add-on kit, breath module, and lung/mouth protection bag with a set of breath module holders

LF06001(A)U Blue **LF06003(A)U** Tan Sh. wt. 7 lbs.

CPR Prompt® Plus 5-Pack

- Includes 5 adult/child manikins, 50 face shield lung bags, 5 add-on kits, 5 breath modules, and 5 lung/mouth protection bags with a set of breath module holders attached

LF06100(A)U Blue **LF06102(A)U** Tan Sh. wt. 29 lbs.

CPR Prompt® Plus Blue Adult/Child & Infant Training Pack

- Includes blue adult/child manikin, 10 adult/child face shield lung bags, infant manikin, add-on kit, breath module, and lung/mouth protection bag with a set of breath module holders

LF06312(A)U Sh. wt. 12 lbs.

CPR Prompt® Plus TPAK700 7-Pack

- Includes 5 adult/child manikins, 50 adult/child face shield lung bags, 2 infant manikins, 20 infant face shield lung bags, 5 add-on kits, 5 breath modules, and 5 lung/mouth protection bags with a set of breath module holders attached

LF06700(A)U Blue **LF06702(A)U** Tan Sh. wt. 33 lbs.

CPR Prompt® Plus Add-On Kit

- Upgrade your existing adult/child CPR Prompt® manikins to CPR Prompt® Plus powered by Heartisense™

LF06800U Single Kit. Sh. wt. 0.25 lbs. **LF06801U** Pkg. of 5 Kits. Sh. wt. 1.25 lbs.

*Student and instructor apps run on Apple® iPhone®, Apple® iPad® and Android devices (not included).

CPR Training, Basic Life Support





CPR Prompt® skin tones available: Blue Tan

Infant CPR Prompt® Plus powered by Heartisense™

- Includes infant manikin, 10 face shield lung bags, add-on kit, breath module, and lung/mouth protection bag with a set of breath module holders and one CR2032 battery

Sh. wt. 4.75 lbs.

LF06002(A)U Blue

LF06012(A)U Tan

Infant CPR Prompt® Plus 5-Pack

- Includes 5 infant manikins, 50 face shield lung bags, 5 add-on kits, 5 breath modules, and 5 lung/mouth protection bags with a set of breath module holders attached and one CR2032 battery per manikin

Sh. wt. 28 lbs.

LF06050(A)U Blue

LF06051(A)U Tan

Infant CPR Prompt® Plus Add-On Kit

- Upgrade your existing adult/child CPR Prompt® manikins to CPR Prompt® Plus powered by Heartisense™
- Includes Chest, 10 face shield lung bags, add-on kit, breath modules, and one CR2032 battery per kit

LF06922(A)U Blue, Single Kit. Sh. wt. 1.25 lbs.

LF06922(B)U Blue, Pkg. of 5 Kits. Sh. wt. 6.25 lbs.

LF06931(A) Tan, Single Kit. Sh. wt. 1.25 lbs.

LF06931(B) Tan, Pkg. of 5 Kits. Sh. wt. 6.25 lbs.



Infant Face Shield/Lung Bags

- Combination face shield/lung bags for adult, child, and infant CPR Prompt® Plus manikins
- Adhesive strips hold shields in place

LF06207(A) Pkg. of 10. Sh. wt. 0.19 lbs.

Infant Face Shield/Lung Bags

- Insertion tool included

LF06209(A) Pkg. of 100. Sh. wt. 1.25 lbs.

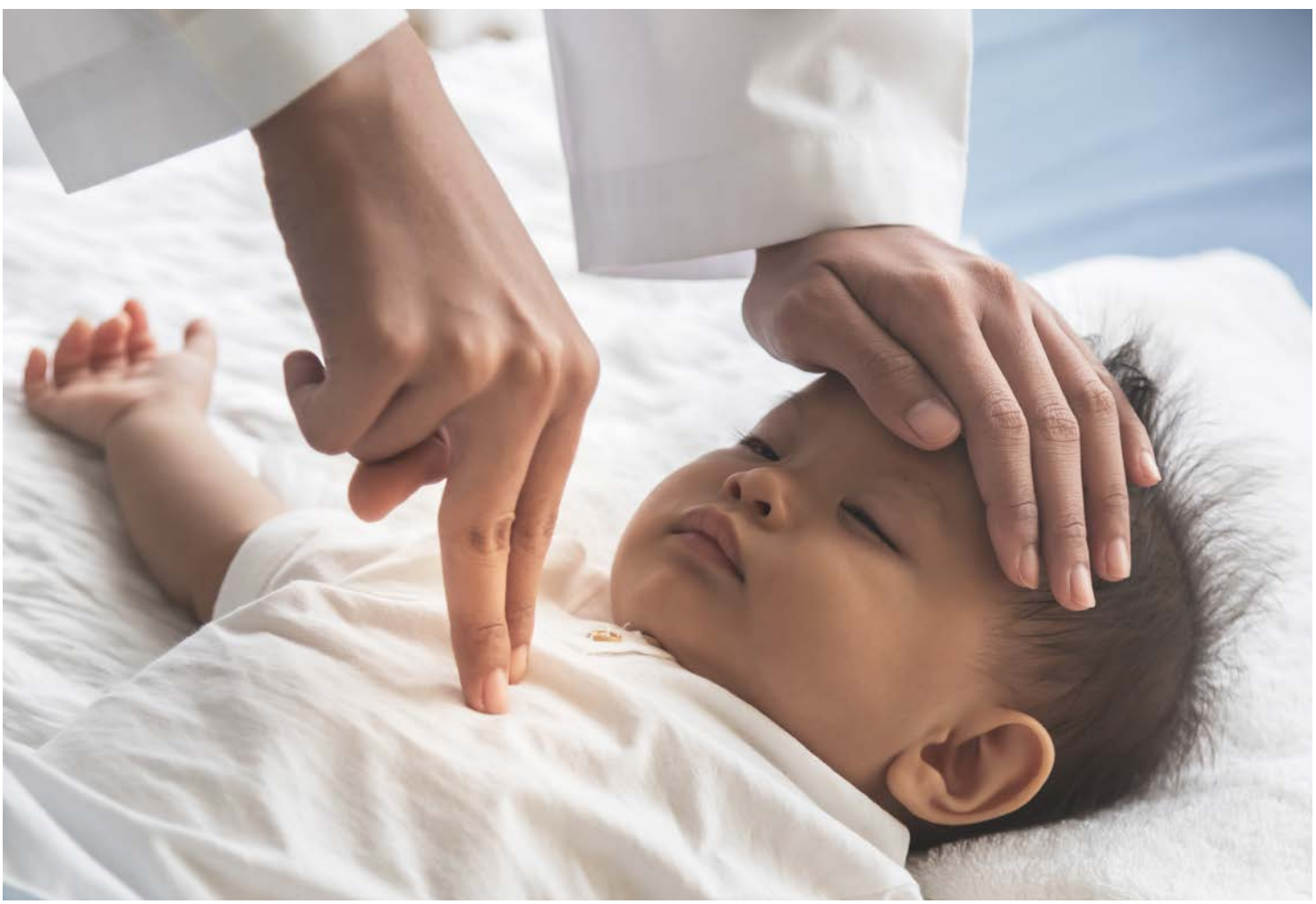


Breath Module A & B

- Adult/Child and Infant CPR Prompt® Plus

LF06015(A) Pkg. of 50. Sh. wt. 1 lb.

LF06015 Pkg. of 10. Sh. wt. 0.25 lbs.



Brayden CPR Training Manikin

3 indicator lights let students and instructors know if procedures are being performed correctly:

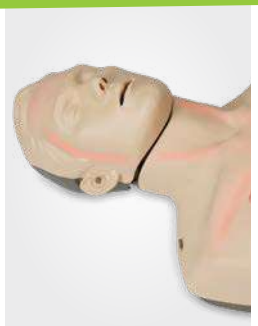
- **Blood Circulation Indicators** — lights change speed to reflect the blood flow in proportion to compression depth, aiding in visualizing the blood flow from the heart to the brain
- **CPR Quality Indicators** — these only light when the compression depth and speed coincide correctly with the given default value
- **Compression Indicators** — depending on the CPR quality, indicators will light partially or completely; completely lit indicators indicate the procedure has been performed correctly; indicators are interrelated with the given default value of depth and compression speed prescribed in the 2010 CPR Guidelines
- Displays visual flow of blood from the heart to the brain during CPR
- Students will not only easily learn how to execute proper and correct CPR in time of need, but will also remember the vital importance of correct and proper execution of CPR
- Anatomical landmarks include sternum, rib cage, sternal notch, and xiphisternum
- Audible feedback reinforces correct compression depth
- Realistic chest rise with correct ventilations
- Oral and nasal passages allow realistic nose pinch required for mouth-to-nose ventilation
- Realistic head tilt and chin lift for opening airway
- Requires 6 C batteries (included)

Sh. wt. 9.50 lbs.

SB50941U Manikin w/White Indicator Lights
SB51965U Manikin w/Red Indicator Lights



SB50941U



SB51965U

Brayden Pro CPR Training Manikin

- Intuitive app and feedback screens provide real-time CPR feedback, including hands-off time and ventilation performance
- Offers a timeline of assessed performance measured through 8 key CPR metrics for quantitative analysis and debriefing
- Can be configured for AHA and ERC (2015) Guidelines
- Can be set for differing responder skill levels, 1 or 2 responder scenarios, and ventilation only or compression only
- Monitors up to 6 manikins
- Bluetooth® link connects manikin to app on Android tablet, allowing data to be exported

SB52400U Sh. wt. 11 lbs.

Artificial Lung Kit

- 24 each of artificial lungs, silicone airway valves, and air filters

SB52971U Sh. wt. 2 lbs.

Replacement Face Skin

SB50942U Sh. wt. 0.38 lbs.

Replacement Face Connector

SB50944U Sh. wt. 0.02 lbs.

Replacement Airway Valve

SB50945U Sh. wt. 0.03 lbs.

Replacement Clicker

SB50946U Sh. wt. 0.03 lbs.

Replacement Clicker Activator

SB50947U Sh. wt. 0.19 lbs.

Replacement Rib

SB52284U Sh. wt. 1.25 lbs.

Replacement Body Skin

SB52285U Sh. wt. 1.25 lbs.

Jacket

SB52286U Sh. wt. 0.38 lbs.

4-Pack Carry Case

SB52287U Sh. wt. 4 lbs.

NEW! Second Generation CPR CUBE™

Enhanced CPR Training with optional distance learning, all in one easy to use, easy to deploy system

Hands-only CPR training aid uses real-time feedback to master chest compression.

- Compression conditions similar to a human chest
- Accurate real-time feedback on the key elements of chest compression
- Optimized product specifications for individual training and practice
- Makes sound when the appropriate compression depth (2 in. – 2⅜ in.) and recoil (less than ⅜ in.) are applied
- Successful compression — depth, recoil, rate — makes LED lights flow
- Feel a vibration that simulates a heartbeat by repeating proper chest compressions
- Auto shutoff after 40 seconds of inactivity

Two great options:

CUBE Gen 2

- Enhance visual cues with lights to better guide performance on quality of CPR and more feedback to students
- Improved graphics and visual support
- AED integration into training

100-CC2G100 Sh. wt. 2.25 lbs.

CPR Cube Pro

Same features as CUBE Gen 2, plus:

- Wireless connection for both student and instructor App's
- Supports remote training between student and instructor
- App allows for mass instructions with out limitations of traditional wireless controls whether onsite or remotely.

100-CC3G100 Sh. wt. 2.25 lbs.







CPR Cube Pro shown in photos

CPR Training, Basic Life Support

CPR Prompt® Training and Practice Manikin

- Comprehensive design allows for practice of Heimlich Maneuver and abdominal thrusts, as well as CPR and mouth-to-mouth breathing
- Realistic anatomical markings (Adam's apple, carotid arteries, navel, rib cage, chest notch) make it easy to learn correct hand placement for checking pulse, performing chest compressions, and more
- Head tilt/chin lift required to open airway
- Audible compression "clicker" (adult/child, only) to ensure proper technique
- Lung bags are replaceable
- Designed to meet American Heart Association criteria for desirable manikin features
- Includes 10 face shield lung bags and insertion tool, assembly instructions, and cardboard carry case with handle
- 5-year warranty



LF06001U

LF06002U



LF06100U

TMAN 1 Adult/Child Single Manikin

- Includes age selector dial that adjusts chest compression piston for learning adult or child techniques

Sh. wt. 6.50 lbs.

LF06001U Blue
LF06003U Tan

TMAN 2 Infant Single Manikin

Sh. wt. 4.75 lbs.

LF06002U Blue
LF06012U Tan

CPR Prompt® skin tones available: Blue Tan

CPR Prompt® Manikin 5-Packs

- Packed in a rugged nylon carrying case with a supply of 50 face shield lung bags and an insertion tool

TPAK 100 Adult/Child Training Pack

- Includes 5 adult/child manikins with 50 face shield lung bags and insertion tool
- 5-year warranty

Sh. wt. 27 lbs.

LF06100U Blue
LF06102U Tan

TPAK 50 Infant Training Pack

- Includes 5 infant manikins with 50 face shield lung bags and insertion tool
- 5-year warranty

Sh. wt. 14 lbs.

LF06050U Blue
LF06051U Tan

CPR Prompt® skin tones available: Blue Tan

CPR Prompt® Adult/Child and Infant Training Pack

- Teach adult, child, and infant CPR in one simple pack
- Use of AED trainers may also be an option for more complete training
- Includes 1 adult/child manikin, 1 infant torso manikin, 10 adult/child face shield/lung bags, insertion tools, and nylon carry bag
- 5-year warranty

LF06312U Blue. Sh. wt. 11 lbs.

2019 AHA feedback updates available, see pages C-5, C-6, C-10, and C-11



LF06312U

TPAK 700 CPR Prompt® 7-Pack

- Includes 7 CPR Prompt® manikins: 5 adult/child manikins, 2 infant manikins
- Also includes 50 adult/child face shield/lung bags, 20 infant face shield/lung bags, and nylon carry case
- 5-year warranty

Sh. wt. 32 lbs.

LF06700U Blue
LF06702U Tan

CPR Prompt® skin tones available: Blue Tan



Adhesive strip seals the face shield to the mouth.



LF06209U
LF06207U

LF06206U



Face Shield/Lung Bags

- Combination face shield/lung bags for adult, child, and infant CPR Prompt® manikins
- Adhesive strips hold shields in place
- Pkg. of 10

Sh. wt. 0.19 lbs.

LF06206U Adult/Child
LF06207U Infant

Face Shield/Lung Bags

- Insertion tool included
- Pkg. of 100

Sh. wt. 1.25 lbs.

LF06209U Infant

CPR Prompt® Blue Large Case

- For use with LF06100U
- 30 in. x 13 in. x 19 in.

LF06929U Sh. wt. 3 lbs.

Small Gray Carry Bag

- For use with LF06051U
- 17 in. x 8½ in. x 11¼ in.

LF06940U Sh. wt. 1.25 lbs.

Large Gray Carry Bag

- For use with LF06102U and LF06702U
- 30 in. x 13 in. x 19 in.

LF06941U Sh. wt. 3 lbs.

Lung Insertion Tool

- Pkg. of 5

LF06943U Sh. wt. 0.38 lbs.

Replacement Bellow Clicker

- Pkg. of 5

LF06909U Sh. wt. 0.06 lbs.

CPR Prompt® Blue Small Case

- For use with LF06050U
- 17 in. x 8½ in. x 11¼ in.

LF06928U Sh. wt. 1.50 lbs.

2019 AHA feedback updates available, see pages C-5, C-6, C-10, and C-11

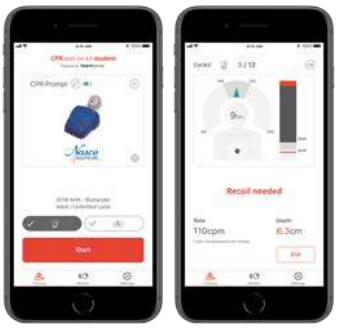
CPR Training, Basic Life Support



BASIC+ BUDDY

Powered by heartisense™

Student app
Easy, intuitive real-time training and measurement of CPR Feedbacks for improving students' skills



Instructor app
Able to link up to 6 manikins. Well organized monitoring screens. Exporting/printing results.



Basic Buddy® Plus powered by Heartisense™

- Dramatic, realistic, affordable, and 2019 AHA Compliant
- Enables accurate, effective training with apps and sensor kit
- Student and instructor apps (included) provide real-time feedback and feature adult capabilities, as well as a realistic interface
- **Basic Buddy®** manikin simple to assemble and maintain
- Provides an open airway using the head-tilt/chin-lift method with a visible chest rise when ventilated
- Offers an easy-to-simulate obstructed airway
- Xiphoid process provides anatomical reference point for hand placement and compressions
- Training data is saved digitally on the phone or tablet
- Instruction manuals included
- Each add-on kit includes a breath module with a lung/mouth protection bag and a set of breath modules attached
- Foam compression block included. Use with manikin only for adult or child compression resistance
- Requires 2 AAA batteries per kit (not included)
- 5-year warranty on manikin
- 1-year limited warranty on **Basic Buddy®** Plus add-on kit hardware

NOTE: Use only AED training devices. When using foam-bodied manikins for AED training, use only pads designed for foam bodies.

Basic Buddy® Plus
LF03693(A)U Sh. wt. 7 lbs.

Basic Buddy® Plus 5-Pack
LF03694(A)U Sh. wt. 32 lbs.

Basic Buddy® Plus 10-Pack
LF03695(A)U Sh. wt. 63 lbs.

Basic Buddy® Plus Convenience Pack
LF03732(A)U Sh. wt. 40 lbs.

Basic Buddy® Plus/Baby Buddy® Classroom Pack
LF03688(A)U Sh. wt. 54 lbs.

Component	LF03693(A)U	LF03694(A)U	LF03695(A)U	LF03732(A)U	LF03688(A)U
Basic Buddy® Manikin w/Head	1	5	10	4	5
Basic Buddy® Lung/Mouth Protection Bag	10	50	100	40	50
Lung Insertion Tool	1	5	10	6	10
Baby Buddy® Infant Manikin	–	–	–	2	5
Baby Buddy® Lung/Mouth Protection Bag	–	–	–	20	50
Add-on Kit	1	5	10	6	10
LIFEPAK® CR Plus AED Trainer	–	–	–	–	–

Basic Buddy® Plus Add-On Kit. Upgrade your existing **Basic Buddy®** manikin to **Basic Buddy®** Plus powered by Heartisense™

LF03780U Single Kit. Sh. wt. 0.19 lbs.
LF03781U Pkg. of 5 Kits. Sh. wt. 0.94 lbs.

*Student and instructor apps run on Apple® iPhone®, Apple® iPad® and Android devices (not included).



Baby Buddy® Plus powered by Heartisense™ CPR Manikin

- Full-body infant manikin
- Removable chest for easy lung/mouth bag installation
- Sanitary 1-piece lung/mouth protection system
- Visible chest rise when ventilated
- Rugged carry bags included with 5-pack and 10-packs
- One CR2032 battery per kit included
- Sets of breath module holders included
- Full 5-year warranty on the manikin, 1 year limited warranty on electronics **Baby Buddy®**

10-Pack

- Includes 10 infant manikins, 100 lung/mouth protection bags, 10 lung insertion tools, 2 instruction manuals, and 2 carry bags

LF03722(A) Sh. wt. 41 lbs.

Baby Buddy® 5-Pack

- Includes 5 infant manikins, 50 lung/mouth protection bags, 5 lung insertion tools, instruction manual, and carry bag

LF03721(A) Sh. wt. 22 lbs.

Baby Buddy® Single Manikin

- Includes 1 infant manikin, 10 lung/mouth protection bags, 1 insertion tool, and instruction manual

LF03720(A) Sh. wt. 4.75 lbs.

Baby Buddy® Update Kit 5-Pack

- Includes 5 infant Chest, 50 lung/mouth protection bags, 5 lung insertion tools, instruction manual, and carry bag

LF03726(B) Sh. wt. 22 lbs.

Baby Buddy® Single Update Kit

- Includes 1 infant chest, 10 lung/mouth protection bags, 1 insertion tool, and instruction manual

LF03726(A) Sh. wt. 4.75 lbs.



Face Shield/Lung Bags

- Combination face shield/lung bags for infant **Baby Buddy®** manikins
- Adhesive strips hold shields in place

LF03723(B) Pkg. of 10. Sh. wt. 0.19 lbs.

Face Shield/Lung Bags

- Insertion tool included

LF03723(A) Pkg. of 100. Sh. wt. 1.25 lbs.



Breath Module A

- For **Baby Buddy®** Plus

LF03782(A) Pkg. of 50. Sh. wt. 1 lb.

LF03782 Pkg. of 10. Sh. wt. 0.25 lbs.

Baby Buddy®
CPR Manikin

- Full-body infant manikin
- Removable chest for easy lung/mouth bag installation
- Sanitary 1-piece lung/mouth protection system
- Visible chest rise when ventilated
- Rugged carry bags included with 5-pack and 10-packs
- Full 5-year warranty

Baby Buddy® 10-Pack

- Includes 10 infant manikins, 100 lung/mouth protection bags, 10 lung insertion tools, 2 instruction manuals, and 2 carry bags

LF03722U Sh. wt. 41 lbs.

Baby Buddy® 5-Pack

- Includes 5 infant manikins, 50 lung/mouth protection bags, 5 lung insertion tools, instruction manual, and carry bag

LF03721U Sh. wt. 22 lbs.

Baby Buddy® Single Manikin

- Includes 1 infant manikin, 10 lung/mouth protection bags, 1 insertion tool, and instruction manual

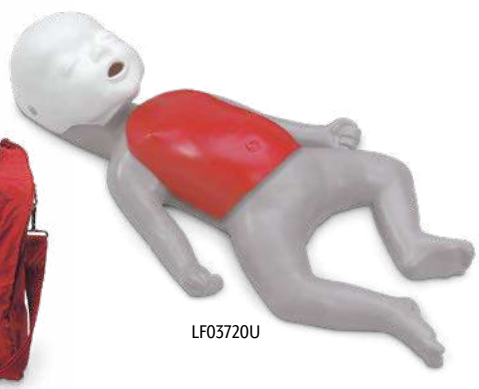
LF03720U Sh. wt. 4.75 lbs.

Baby Buddy® Lung Bags

LF03723U Pkg. of 100. Sh. wt. 0.38 lbs.



LF03722U



LF03720U

Baby Buddy® Lung Bag Tools

LF03738U Pkg. of 4. Sh. wt. 0.19 lbs.

Baby Buddy® Carry Bag

- Holds 5 fully assembled **Baby Buddy®** manikins

LF03724U Sh. wt. 2 lbs.

Baby Buddy® Replacement Chest

LF03726U Sh. wt. 0.75 lbs.

Baby Buddy® Foam Body

LF03727U Sh. wt. 4.50 lbs.

Baby Buddy® Head

LF03728U Sh. wt. 1.25 lbs.



LF03732U

Basic Buddy® Convenience Pack

- Includes 4 **Basic Buddies®**, 3 **Baby Buddies®**, 6 lung installation tools, 40 **Baby Buddy®** lung bags, 20 **Baby Buddy®** lung bags, and carry bag
- 5-year warranty

LF03732U Sh. wt. 39 lbs.

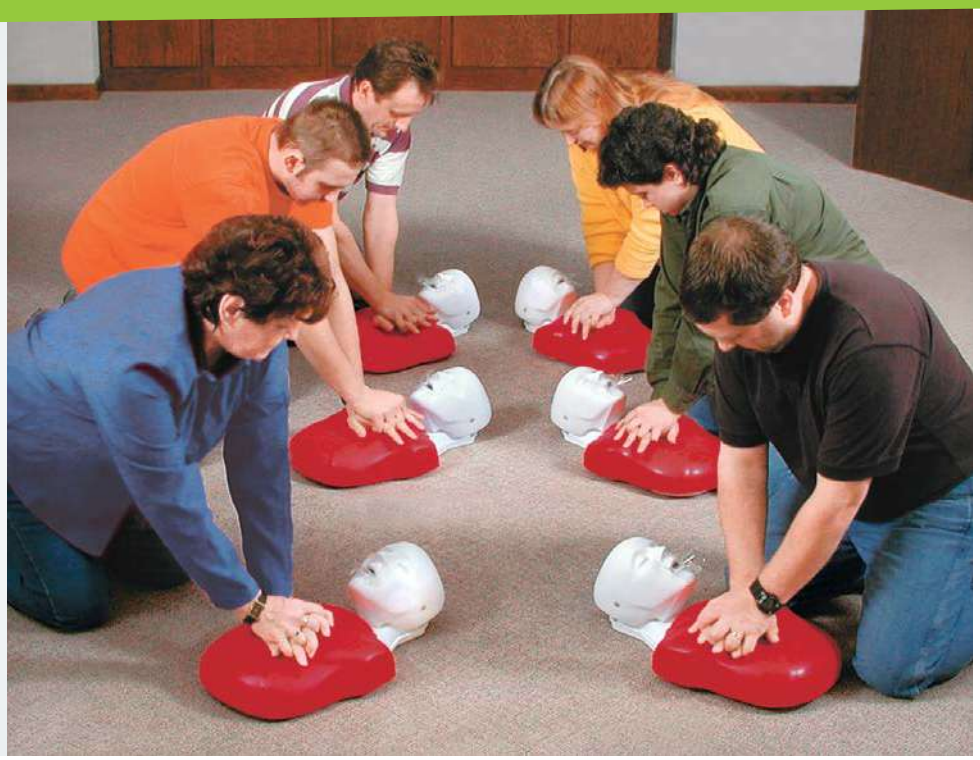
2019 AHA feedback updates available, see pages C-5, C-6, C-10, and C-11

CPR Training, Basic Life Support

Basic Buddy®/Baby Buddy®

Classroom Pack

- Practice adult/child and infant CPR techniques
- Anatomically correct with palpable landmarks
- Economical — each student can have their own manikin
- Lightweight and portable
- Realistic chest rise
- Rebreathing airway
- Sanitary, 1-piece lung/mouth protection system — no risk of cross contamination and no need to sanitize the manikins after use
- Tough and durable
- Unique airway system opens and closes with proper technique
- NOTE: Use only AED pads designed for foam body manikins









Basic Buddy® CPR Manikin

- Airway opens using the head tilt/chin lift method, and there is a visible chest rise when ventilated
- Features both adult and child capabilities
- Xiphoid process provides an anatomical reference point for hand placement and compressions
- 5-year warranty

Basic Buddy® Lung Bags
- Pkg. of 100

LF03696U Sh. wt. 0.69 lbs.

Basic Buddy® Lung Bag Tools
- Pkg. of 4

LF03729U Sh. wt. 0.31 lbs.

Basic Buddy® Foam Cylinder Replacement

LF03677U Sh. wt. 0.19 lbs.

Basic Buddy® Carry Bag
- Holds 5 fully assembled **Basic Buddy®** manikins

LF03697U Sh. wt. 3 lbs.

Basic Buddy® Replacement Chest

LF03690U Sh. wt. 3.50 lbs.

Basic Buddy® White Base

LF03691U Sh. wt. 0.88 lbs.

Basic Buddy® Head

LF03692U Sh. wt. 1.75 lbs.

Basic Buddy® 10-Pack
- Includes 10 adult/child manikins, 100 lung/mouth protection bags, 10 lung insertion tools, 2 instruction manuals, and 2 carry cases

LF03695U Sh. wt. 68 lbs.

Basic Buddy® 5-Pack
- Includes 5 adult/child manikins, 50 lung/mouth protection bags, 5 lung insertion tools, instruction manual, and 1 carry case

LF03694U Sh. wt. 31 lbs.

Basic Buddy® Single Manikin
- Includes 1 manikin, 10 lung/mouth protection bags, 1 lung insertion tool, and instruction manual

LF03693U Sh. wt. 6.50 lbs.

Basic Buddy®/Baby Buddy® Classroom Pack
- Includes 5 adult/child and 5 infant manikins, 50 adult/child and 50 infant lung/mouth protection bags, 10 lung insertion tools, 2 instruction manuals, and carry cases

LF03688U Sh. wt. 50 lbs.

2019 AHA feedback updates available, see pages C-5, C-6, C-10, and C-11

BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+

YEARS

Nasco HEALTHCARE



CPR Training, Basic Life Support



Simulaids Sani CPR Family Pack

- Pack is a combination of 2 Economy Adult Sani-Manikins, 1 Sani-Child, and 1 Sani-Baby manikin
- Easy-to-install airways
- Manikins can be surface cleaned after each session
- Offers resistance for the practice of chest compression and the head tilt/chin lift procedure opens the airway for ventilation
- Includes a carry bag, 100 Adult Face Shield Lung Systems, 100 Child Face Shield Lung Systems, and 100 Baby Face Shield Lung Systems

100-2157U Sh. wt. 22 lbs.

Adult Sani-Manikin Replacement Lung/Airway Systems
- Pkg. of 100

100-2135U Sh. wt. 1.50 lbs.

Sani-Baby Replacement Lung/Airway Systems
- Pkg. of 100

100-2125U Sh. wt. 1.25 lbs.



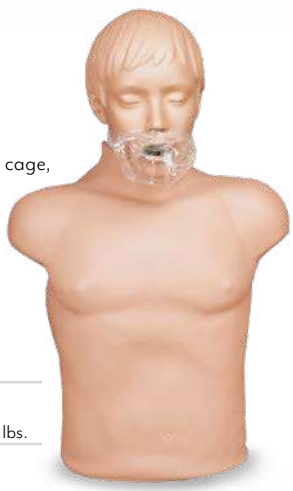
Simulaids Sani-Man

- Single-use airway/face shield system installs easily
- Visible anatomical landmarks include sternum, rib cage, and substernal notch
- Realistic head tilt and chin lift
- Chest rise demonstrates successful rescue breath
- Economical airway/face shields are disposable
- Carry bag not included
- Latex-free
- 28 in. x 17 in. x 10 in.

100-2131U Light. Sh. wt. 13 lbs.

Neck Collar with Hardware
100-2137U Sh. wt. 3 lbs.

Sani-Man Head, Light
100-2136U Sh. wt. 2.25 lbs.



Simulaids Economy Adult Sani-Manikin

- Offers a realistic, affordable way to provide each student their own manikin
- No cleaning, no disinfecting, no disassembly — just pack and go
- Features realistic head tilt, realistic chest rise, palpable landmarks, xiphoid process for reference in hand placement, and 3 disposable face shield/lung systems
- Lightweight and rugged
- 3-year warranty

Sh. wt. 8 lbs.

100-2144U Light **100-2144BU** Dark

4-Pack of Sani-Manikins
- Set of 4 Economy Adult Sani-Manikins in a convenient nylon carry bag
- 100 disposable face shield/lung systems

Sh. wt. 30 lbs.

100-2145U Light **100-2145BU** Dark

Adult Sani-Manikin Replacement Lung/Airway Systems
- Pkg. of 100

100-2135U Sh. wt. 1.50 lbs.

Adult Sani-Manikin Replacement Head

Sh. wt. 1.50 lbs.

100-2143U Light **100-2143BU** Dark



Simulaids The Sani 3/2

- Includes 3 Economy Light Adult Sani-Manikins, 200 Adult Face Shield Lung Systems, 2 Light Sani-Baby Manikins, 100 Baby Face Shield Lung Systems, and a carry storage bag
- 21 in. x 16 in. x 19 in.

100-2153U Sh. wt. 31 lbs.

Simulaids skin tones available: Light Dark



Simulaids Instructor's Professional Starter Package

- Includes 2 CPR Brad Manikins; 1 CPR Kyle Child Manikin; 1 CPR Kim Newborn Manikin; additional 10-pack of adult, child, and newborn mouth/nose pieces; additional 24-pack of adult, child, and newborn airway systems; 100 Latex-Free Manikin Face Shields; and carry bags
- Latex-free

100-2152U Light **100-2152BU** Dark Sh. wt. 47 lbs.

Simulaids Brad™ and Paul™ Compact CPR Training Manikins

- Features include a longer torso for realistic abdominal thrusts, realistic head tilt and chin lift for opening airway, can easily be manipulated to simulate airway obstruction or choking situations, and a user-friendly lung/airway design that eliminates cleaning
- Includes 3 mouth/nosepieces and 3 disposable lung/airway systems
- Order "with electronics" and receive an exterior console box that indicates proper hand position, adequate chest compressions, and adequate air volume
- 3-year warranty



add airway obstruction to your CPR training simulation



Brad™ Manikin with Nylon Carry Bag
Sh. wt. 18 lbs.

100-2801U Light
100-2801EU Medium

Brad™ with Electronics and Nylon Carry Bag

- 28 in. L x 18 in. W x 10 in. H

100-2850U Light. Sh. wt. 17 lbs.

Paul™ Manikin with Nylon Carry Bag

100-2803U Sh. wt. 16 lbs.

Lung/Airway Systems

- Pkg. of 24

100-2805U Sh. wt. 4 lbs.

Mouth/Nosepieces

- Pkg. of 10

Sh. wt. 2.25 lbs.

100-2023U For Brad™
100-2601U For Paul™

Light Chest Overlay for Brad™

100-2806U Sh. wt. 5 lbs.

Chest Plate for Brad™ and Paul™

100-2807U Sh. wt. 2 lbs.

Nylon Carry Bag

100-2526U Sh. wt. 5 lbs.

Simulaids Brad™ Jr.

- Approximate age: 7 years
- Latex-free

Brad™ Jr. with Carry Bag

- 28 in. x 17 in. x 10 in.

Sh. wt. 13 lbs.

100-2271U Light **100-2271BU** Dark

Airway Systems (24 Pk.)

100-2280U Sh. wt. 4 lbs.

Face Pieces (10 Pk.)

Sh. wt. 2 lbs.

100-2223U Light **100-2223BU** Dark

Simulaids Instructor's Economy Starter Package

- Package includes 1 Economy Adult Sani-Manikin 4-pack with carry storage bag, 200 Adult Face Shield Lung Systems, 1 Sani-Baby Manikin 4-pack with carry storage bag, and 200 Baby Face Shield Lung Systems
- 3-year warranty

100-2151U Light **100-2151BU** Dark Sh. wt. 79 lbs.

Adult Sani-Manikin Replacement Lung/Airway Systems

- Pkg. of 100

100-2135U Sh. wt. 1.50 lbs.

Sani-Baby Replacement Lung/Airway Systems

- Pkg. of 100

100-2125U Sh. wt. 1.25 lbs.

Simulaids skin tones available: Light Medium Dark



CPR Training, Basic Life Support

Simulaids Adam and David CPR™ Training Manikins

- Lifelike, anatomical landmarks (carotid pulse, sternum, rib cage, and substernal notch) and the realistic resistance to chest compression help students learn with accuracy and perfect their lifesaving skills
- Lightweight and portable
- Includes 10 low-cost, disposable airway systems and individual mouth/nosepieces, which can be sanitized for reuse, and carry bag with built-in kneeling pads
- Order "with electronics" and receive an exterior console box that indicates proper hand position, adequate chest compressions, and adequate air volume
- 3-year warranty

Sh. wt. 22 lbs.

Adam CPR™ with Electronics and Carry Bag
100-2300U Sh. wt. 23 lbs.

David CPR™ with Electronics and Carry Bag
100-2610U Sh. wt. 23 lbs.

Replacement Head for Adam
100-2024U Sh. wt. 4.50 lbs.

Mouth/Nosepieces
- Pkg. of 10

Sh. wt. 2.25 lbs.

100-2023U For Adam
100-2601U For David

Airway System with Lungs
100-2022U Pkg. of 10. Sh. wt. 1.75 lbs.
2022100PKU Pkg. of 100. Sh. wt. 2.25 lbs.

Airway Tubing Only
- Pkg. of 20

100-2037U Sh. wt. 1.25 lbs.

Compression Spring Kit
100-2020U Sh. wt. 0.50 lbs.

Adam Chest Overlay
100-2025U Sh. wt. 2.50 lbs.

Adam Pulse Bulb Assembly
100-2028U Sh. wt. 0.25 lbs.

Adam Electronic Ball Valve
100-2029U Sh. wt. 0.25 lbs.

Carry Bag
100-2021U Sh. wt. 1.75 lbs.



Adam CPR™ with Electronics and Carry Bag



JT (Jaw Thrust) Brad

- Constructed of soft, realistic vinyl plastic over polyurethane foam
- Features include long torso for realistic abdominal thrusts, realistic head tilt and chin lift for opening airway, and anatomical landmarks including sternum and rib cage plus substernal notch
- Airway can be easily manipulated to simulate airway obstruction or choking situations
- Additional features include individual mouth piece, long-lasting foam filling, movable jaw, 1 airway per day, removable chest plate for adolescent and adult CPR, same replacement parts as Brad, and rugged vinyl skin
- Includes 3 disposable lung/airway systems, 3 channel design mouth/nosepieces, carry bag, and kneeling pads
- Latex-free
- 28 in. x 17 in. x 10 in.

100-2804U Sh. wt. 18 lbs.

JT Brad with Electronics
- Electronics indicate correct hand placement, adequate compression depth, and ventilation by individual illuminating depths

100-2814U Sh. wt. 18 lbs.



Life/form® Bariatric CPR Manikin

- Unique manikin helps prepare students to respond to a more typical cardiac arrest event with a victim who is elderly and overweight
- Features an elderly physical appearance, large body type with extra "fat" layer; realistic head tilt and chin lift for opening the airway; and palpable and visual anatomical landmarks, including the sternum, rib cage, and substernal notch
- Airway can be manipulated to simulate airway obstruction or choking situations
- Includes 3 mouth/nosepieces, 3 disposable lung/airway systems, and a convenient carry bag
- 5-year warranty

Sh. wt. 24 lbs.

LF03750U Light
LF03749U Dark

Lung/Airway Systems
- Pkg. of 24

LF03751U Sh. wt. 3.25 lbs.

Mouth/Nosepieces
- Pkg. of 10

Sh. wt. 3 lbs.

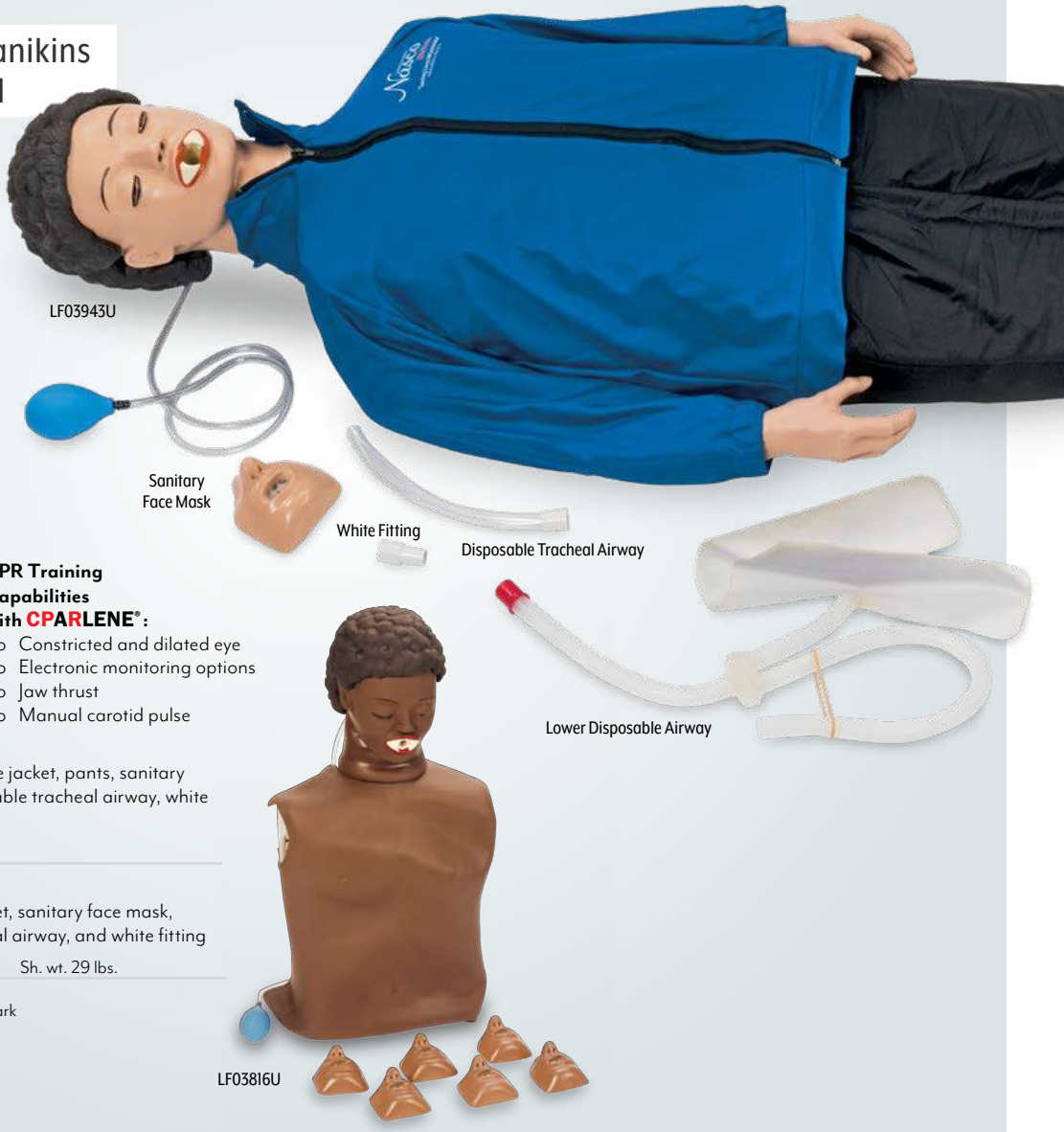
LF03752U Light
LF03748U Dark

Replacement Chest Plate
LF03776U Sh. wt. 1.25 lbs.

Replacement Sternum Insert
LF03777U Sh. wt. 0.81 lbs.

Life/form® skin tones available:
Light Dark

renowned CPARLENE® manikins to fit any budget and need



CPARLENE® Manikins

- Individual student face masks provide maximum protection from cross contamination
- The disposable face mask is designed with a one-way non-rebreathing valve
- Molded hair requires no maintenance
- Disposable tracheal airway and lower airway with lung bag eliminates time-consuming disinfection procedures
- 5-year warranty
  - o Pliable abdomen for obstructed airway procedure
  - o Xiphoid, navel, nipples, and rib cage landmarks

Quality Features of CPARLENE®:

- o Adult and child CPR versions
- o Available in light or dark (torso only)
- o Fully articulated head, neck, and jaw
- o *Life/form®* 5-year warranty
- o Non-rebreathing airway system
- o Sanitary molded hair

CPR Training Capabilities with CPARLENE®:

- o Constricted and dilated eye
- o Electronic monitoring options
- o Jaw thrust
- o Manual carotid pulse

Basic CPARLENE® Full Manikin

- Includes full-body adult manikin, long-sleeve jacket, pants, sanitary face mask, disposable lower airway, disposable tracheal airway, white fitting, and hard carry case

LF03943 Sh. wt. 60 lbs.

Basic CPARLENE® Torsos

- Includes basic adult torso, short-sleeve jacket, sanitary face mask, disposable lower airway, disposable tracheal airway, and white fitting

LF03716U Light **LF03816U** Dark Sh. wt. 29 lbs.

CPARLENE® skin tones available: Light Dark

Electronic Upgrade Kit

- All basic manikins and torsos can be upgraded with electronic connections for use with CPR Metrix (LF03406U and LF03405U) and all the ***CRiSis™*** manikin modular components
- Component parts include child springs, electronic sensors, and connections
- NOTE: Basic manikins and torsos must be returned to U.S. manufacturer for upgrade

LF03440U Sh. wt. 5.50 lbs.

Disposables

Tracheal Airways

LF03122U Pkg. of 10. Sh. wt. 0.44 lbs.

Lower Disposable Airways

LF03300U Pkg. of 10. Sh. wt. 1.75 lbs.

Thermal Printer Paper

LF03451U Pkg. of 6. Sh. wt. 2.50 lbs.

Carry/Storage Cases

Hard Manikin Case

LF03465U Sh. wt. 28 lbs.

Hard Torso Case

LF03467U Sh. wt. 16 lbs.

Starter Kit for Basic CPARLENE®

- Kit consists of 5 sanitary face masks, 10 disposable tracheal airways, and 10 disposable lower airways
- 15 in. L x 11 in. W x 5 in. H

Sh. wt. 4 lbs.

LF03301U Light

LF03822U Dark

Sanitary Face Masks

LF03120U Light. Pkg. of 5. Sh. wt. 0.63 lbs.

LF03820U Dark. Pkg. of 5. Sh. wt. 0.63 lbs.

LF03121U Light. Pkg. of 25. Sh. wt. 3.50 lbs.

LF03821U Dark. Pkg. of 25. Sh. wt. 3.50 lbs.

LF03123U CPR Valves. Use with Sanitary Face Mask. Pkg. of 25. Sh. wt. 0.38 lbs.

Visit our website
for a full assortment of CPR products.

CPR Training, Basic Life Support



Full-Size **CPARLENE®** with CPR Monitoring



CPR Metrix



CPR Metrix

CPARLENE®

Full-Size Manikin with CPR Metrix and iPad*†

- Includes a full-size adult manikin, CPR control box, iPad®, long-sleeve jacket and pants, 5 sanitary masks, 10 disposable lower airways, 10 disposable tracheal airways, 10 white fittings, and hard carry case with wheels
- Graphical interfaces and audio feedback are easy for students to use and follow
- Solid documentation lets you easily track each student's performance
- Debriefing tools help with documentation and support training
- Detailed reports can be saved in PDF format

LF03993U Light
LF03994U Dark
Sh. wt. 72 lbs.

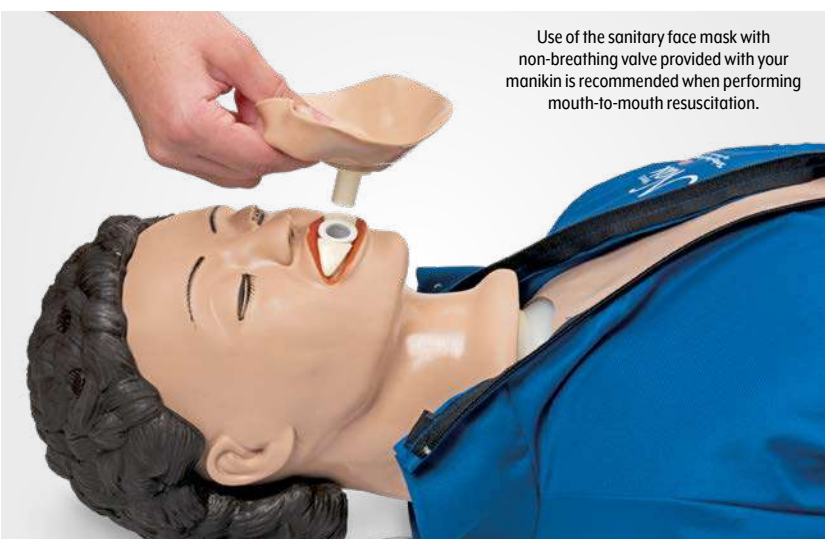
Full-Size Manikin with Electronics

- Includes a full-size adult manikin, long-sleeve jacket and pants, 5 sanitary face masks, 10 disposable lower airways, 10 disposable tracheal airways, 10 white fittings, and a hard carry case with wheels
- Electronic Connections included to update to 2019 AHA Requirements with CPR Metrix, see page C-2

Sh. wt. 58 lbs.

LF03713U Light
LF03813U Dark

CPARLENE® skin tones available: Light Dark



Use of the sanitary face mask with non-breathing valve provided with your manikin is recommended when performing mouth-to-mouth resuscitation.

* Student app runs on Android or Apple® tablet/phone and instructor app runs on iPad® or Android tablet (iPad®, Android, and Apple® tablet/phone not included)
† iPad® warranty statement: Any items not manufactured by Nasco Healthcare are covered by the original manufacturers warranty and registration requirements

Electronic Monitoring with CPARLENE®

- Critique performance at a glance with simple, easy-to-connect electronics
- Electronics independent of the manikin allow monitoring units to be moved from manikin to manikin by disconnecting the quick-release interface jack
- Electronic units are powered by AA or D batteries
- 5-year warranty on manikin

Torso with Electronics

- Includes adult/child torso with short-sleeve jacket, 5 sanitary face masks, 10 disposable lower airways, 10 disposable tracheal airways, 10 white fittings, and a durable soft carry bag with wheels
- Electronic Connections included to update to 2019 AHA Requirements with CPR Metrix, see page C-2

LF03715U Light **LF03815U** Dark Sh. wt. 35 lbs.

CPARLENE® skin tones available: Light Dark



LF03715U

Sanitary Face Masks

LF03120U	Light. Pkg. of 5. Sh. wt. 0.63 lbs
LF03820U	Dark. Pkg. of 5. Sh. wt. 0.63 lbs.
LF03121U	Light. Pkg. of 25. Sh. wt. 3.50 lbs.
LF03821U	Dark. Pkg. of 25. Sh. wt. 3.50 lbs.
LF03123U	CPR Valves. Use with Sanitary Face Mask. Pkg. of 25. Sh. wt. 0.38 lbs.

Disposables

LF03122U	Tracheal Airways. Pkg. of 10. Sh. wt. 0.44 lbs.
LF03300U	Lower Disposable Airways. Pkg. of 10. Sh. wt. 1.75 lbs
LF03451U	Thermal Printer Paper. Pkg. of 6. Sh. wt. 2.50 lbs.

Carry/Storage Cases

LF03465U	Hard Full Body Manikin Carry Case. Sh. wt. 28 lbs.
LF03468U	Soft Torso Carry Case. Sh. wt. 7 lbs.
LF03467U	Hard Torso Carry Case. Sh. wt. 16 lbs.

realistic device operation with 8 AHA training scenarios

Simulaids Zoll AED Trainer Package

- Practice realistic device operation using AHA recommended training scenarios
- An identical graphical operator interface and complete audio and visual prompts mimic the AED Plus in its look and operation
- Screen messages, audible tones, and voice prompts guide the user through all aspects of the rescue
- Handheld remote control for instructor use is preprogrammed with the 8 American Heart Association Heartsaver AED training scenarios and offers a manual scenario function, plus attach pads, low battery, and call-for-service simulations
- Training unit is powered by 6 C cell batteries (not included) or an AC adapter
- Includes training electrode kit, training remote control, AC adapter, handheld cord, operator manual, and administration guide
- 1-year limited warranty

Trainer Package with CPR Brad™ Manikin

100-2830U Sh. wt. 27 lbs.

Zoll AED Trainer Package Only

100-8008U Sh. wt. 13 lbs.



* Student app runs on Android or Apple® tablet/phone and instructor app runs on iPad® or Android tablet (iPad®, Android, and Apple® tablet/phone not included).

CPR Training, Basic Life Support

Life/form® "Airway Larry" with CPR Metrix and iPad®*

- Includes same electronic monitoring features as **CPARLENE**®
- Manikin simulates a nonanesthetized adult patient for practicing intubation, ventilation, suction, and CPR techniques
- Realistic anatomical landmarks
- Allows practice of oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube®, and King System insertion
- Suction techniques and proper cuff inflation may also be practiced and evaluated
- Jaw thrust
- Palpable landmarks for hand placement
- Pliable abdomen for obstructed airway procedure
- Realistic practice of the Sellick maneuver
- Manual carotid pulse
- Includes supplies, instruction manual, and hard carry case
- 5-year warranty (manikin)



LF03996U



LF03996U Sh. wt. 78 lbs.

Set of Replacement Lungs

LF03285U Sh. wt. 0.25 lbs.

Replacement Stomach

LF03628U Sh. wt. 0.19 lbs.

Hard Carry Case

LF03465U Sh. wt. 28 lbs.

Pump Spray Lubricant

LF03644U 8-oz. bottle. Sh. wt. 0.63 lbs.

Simulaids Full-Body CPR Manikin

- Features lifelike positioning, a carotid pulse, and anatomical landmarks that include the sternum, rib cage, and substernal notch
- Rescue training is augmented with the Rescue Head that can be interchanged with the CPR/rescue-breathing head
- Optional IV arm gives you an added dimension
- Includes 5 mouthpieces and 5 airway systems with lungs
- Order "with electronics" and receive an exterior console box that indicates proper hand position, adequate chest compressions, and adequate air volume
- 3-year warranty

Sh. wt. 51 lbs.

100-2700U Light **100-2750U** Dark



Full-Body with Electronics

100-2725U Light. Sh. wt. 52 lbs.

Lower IV Arm with Hand

- Comes with reservoir bags, carrying tray, and simulated blood powder
- Procedure needle not included
- 3-year warranty

Sh. wt. 3.50 lbs.

150-1374U Light **150-1374BU** Dark

Simulaids skin tones available: Light Dark

Trauma Moulage Kit

Sh. wt. 9 lbs.

800-6701U Light **800-6701BU** Dark

Transport Rescue Head

100-2704U Light. Sh. wt. 5 lbs.

Mouth/Nosepieces

Pkg. of 10. Sh. wt. 2.25 lbs.

100-2023U Light **100-2023BU** Dark

Airway System with Lungs

100-2507U Pkg. of 10. Sh. wt. 4 lbs.

Ball Valve Assembly

100-2701U For Full-Body CPR Manikin. Sh. wt. 0.31 lbs.

Replacement Lungs

100-2030U Pkg. of 20. Sh. wt. 3 lbs.

Replacement Veins

150-1382U Sh. wt. 1.50 lbs.

Replacement Skin

150-1381U Light. Sh. wt. 1.50 lbs.

Carry Bag

150-1373U Sh. wt. 4 lbs.

*Student app runs on Android™ or Apple® tablet/phone and instructor app runs on iPad® or Android™ tablet (iPad®, Android™, and Apple® tablet/phone not included)

The Apple logo is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google LLC. iPad® is a trademark of Apple, Inc., registered in the U.S. and other countries.

*iPad® warranty statement: Any items not manufactured by Nasco Healthcare are covered by the original manufacturers warranty and registration requirements

Simulaids Kyle™ 3-Year-Old CPR Manikin

- Portrays a 3-year-old child for instruction of CPR techniques
- Features an airway cutoff, individual mouth/nosepieces, and a completely disposable airway system with a non-rebreathing valve
- 3-year warranty

Kyle™ with Carry Bag

Sh. wt. 9 lbs.

100-2951U Light **100-2951BU** Dark



100-2951U

Simulaids JT (Jaw Thrust) Kyle

- Same features as regular Kyle manikin with the addition of the simple rugged construction technique for instructing the procedure of moving the jaw and tongue out of the way without moving the head
- Includes 3 face pieces, 3 airways, and carry bag
- 3-year warranty

Sh. wt. 9 lbs.

100-2960U Light **100-2960BU** Dark



100-2140U

Simulaids Sani-Child Manikin

- Economical child CPR manikin featuring single-use airway/lung/face shield system; anatomical landmarks include sternum and rib cage plus substernal notch
- No cleaning, no disinfecting, no disassembly required
- 3-year warranty

Sh. wt. 5.50 lbs.

100-2140U Light **100-2140BU** Dark

Face Shield/Lung System

- Pkg. of 100

100-2141U Sh. wt. 2 lbs.



100-2960U



CPR Training, Basic Life Support

Kevin™ Infant CPR Manikin

- Realistic 6- to 9-month-old infant manikin
- Features sanitary individual mouth/nosepieces that can be snapped on and off in 2 seconds, a disposable airway system that can be replaced in 20 seconds, and an airway cutoff and non-rebreathing valve
- 3-year warranty

Kevin™ with Carry Bag
Sh. wt. 8 lbs.
100-2976U Light **100-2976BU** Dark

Mouth/Nosepieces
- Pkg. of 10

Sh. wt. 2 lbs.
100-2162U Light **100-2162BU** Dark

Airway Systems
- Pkg. of 24

100-2905U Sh. wt. 2 lbs.

Carry Bag
100-2252U Sh. wt. 1.25 lbs.



Kevin™ Infant CPR Manikin

- For infant CPR instruction
- Includes individual mouth/nosepieces, an airway cutoff, and a completely disposable airway system with a non-rebreathing valve
- 3-year warranty

Kim™ with Carry Bag
Sh. wt. 6 lbs.
100-2901U Light **100-2901BU** Dark

Mouth/Nosepieces
- Pkg. of 10

Sh. wt. 2.25 lbs.
100-2068U Light **100-2069U** Dark

Lung/Airway Systems
- Pkg. of 24

100-2905U Sh. wt. 2 lbs.

Carry Bag
100-2252U Sh. wt. 1.25 lbs.



Sani-Baby CPR Manikin

- Economical, baby-size manikin that has a disposable, sanitary, single-user lung/airway and face shield system
- Features a realistic face, molded hair, defined rib cage, and xiphoid process
- Includes 3 disposable face shield/lung systems
- 3-year warranty

100-2121U Light. Sh. wt. 4 lbs.

Pack of 4
- Includes carry bag and 12 disposable face shield/lung systems

Sh. wt. 15 lbs.
100-2124U Light
100-2124BU Dark

Replacement Head, Light
SA264U Sh. wt. 0.56 lbs.

Simulaids skin tones available: Light Dark



Replacement Face Shield/Lung System
- Pkg. of 100

100-2125U Sh. wt. 1.25 lbs.

Carry Bags
Sh. wt. 1.25 lbs.
100-2252U Holds 1 manikin
100-2260U Holds 4 manikins

Basic Life Support, Airway Obstruction Training





Simulaids Choking Manikins

- 3 generations of choking manikins to choose from
- Clear the blocked airway by using abdominal thrusts or back blows
- Each manikin comes with at least 1 foreign object to lodge into the airway
- Anatomical landmarks guide you on hand placement
- Visual confirmation of expelled object validates appropriate force applied
- Manikin landmarks include rib cage, xiphoid process, and suprasternal notch
- Includes foreign body (1 for infant, 2 for the other manikins), shirt, and soft carry bag
- 3-year warranty

Adult Choking Manikin
- 31 in. x 18 in. x 10 in.

100-1602U Sh. wt. 16 lbs.

Child Choking Manikin
- 17 in. x 10 in. x 7 in.

100-1620U Sh. wt. 4 lbs.

Adolescent Choking Manikin
- 24 in. x 14 in. x 9 in.

100-1615U Sh. wt. 9 lbs.

Infant Choking Manikin
- 26 in. x 8 in. x 8 in.

100-1640U Sh. wt. 8 lbs.

Obese Mature Choking Manikin
- 28 in. x 18 in. x 10 in.

100-1630U Sh. wt. 20 lbs.

Hard Carry Case for Obese Mature Choking Manikin

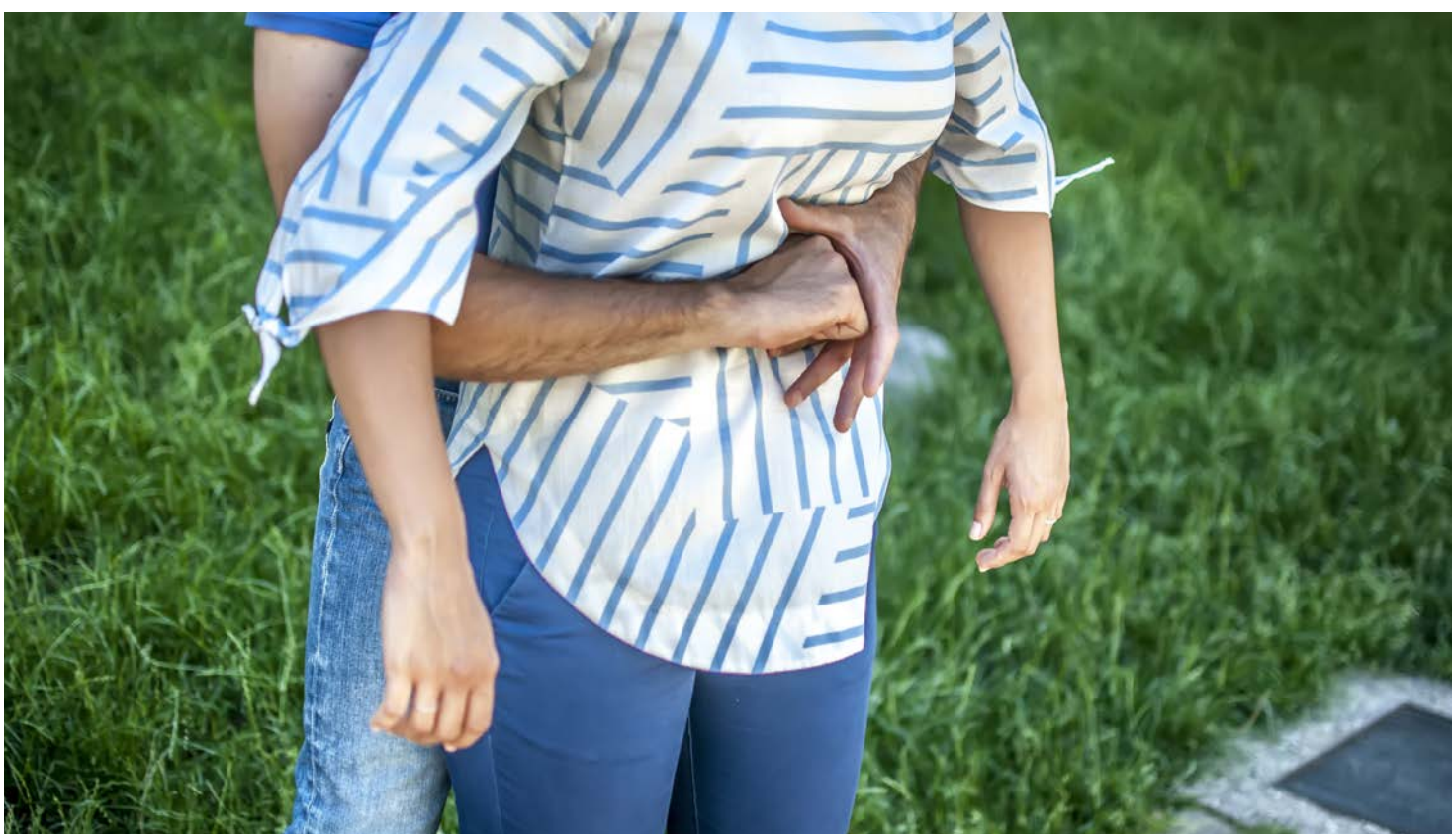
PP4640U Sh. wt. 11 lbs.

Choker Accessory Kit
- 2 objects each on a string necklace
  - o ¾ in. hot dog slice replica
  - o ¾ in. hard candy piece replica

100-1605U Sh. wt. 0.06 lbs.

Additional Carry Bag

100-2260U Sh. wt. 1.25 lbs.



Basic Life Support, AED Training

Life/form® Universal AED Trainer

- Simply push a button to set the sequence of events that will teach the appropriate steps to follow in both "shock" and "no shock" situations
- Select from 8 training scenarios for manual and hands-free training
- Lightweight, compact trainer comes with reusable pads and electrode sets, 9V battery, and operating instructions
- Follows AHA Guidelines
- Large LCD display for written prompts
- Provides both audio and written prompts in English
- Volume adjustment
- Low battery indicator
- 5-year warranty

LF03740U Sh. wt. 2 lbs.

Life/form® AED Trainer with Basic Buddy® CPR Manikin

- 5-year warranty

LF03742U Sh. wt. 10 lbs.

Replacement Training Pads

LF03743U Pkg. of 5 pairs. Sh. wt. 1.25 lbs.

Electrode Harness

LF03745U Sh. wt. 0.19 lbs.

Life/form® AED Trainer Package with CPR Brad™

LF03741U Sh. wt. 22 lbs.

Pediatric AED Training Pads

LF03744U Pkg. of 5 pairs. Sh. wt. 1.25 lbs.

Detachable Electrode Pads

LF06959U Pkg. of 5 pairs. Sh. wt. 0.38 lbs.



LF03742U

2019 AHA feedback updates available, see pages C-5, C-6, C-10, and C-11

ElectroLast™ AED Trainer Electrode Peel-Off Pads

- Set of 5

Sh. wt. 1.25 lbs.

Foam Manikin Peel-Off Pads

LF06501U Medtronic Physio-Control style
LF06502U Heartstream style
LF06503U Survivalink style

"Skin" Manikin Peel-Off Pads

LF06504U Medtronic Physio-Control style
LF06505U Heartstream style
LF06506U Survivalink style



excellent for safe, independent AED training



LIFEPAK® CR Plus AED Trainer – US only

- Follows a simple 1-2-3-step operation and guides users through simulated analysis, energy delivery, and prompted CPR intervals
- All functions are programmable to simulate the full range of scenarios during "real life" use
- Compatible with any CPR manikin system
- Follows all 8 American Heart Association Heartsaver AED training scenarios and all 4 American Red Cross training scenarios
- Create a number of custom scenarios for students with the multifunction remote control
- Includes AED trainer, remote control and cable, simulated battery pack, set of reusable training electrodes (capable of approx. 30 applications), AED instruction card, operating instruction, 4 D batteries for the AED trainer, batteries for the remote control, and carry case

SB46489U Sh. wt. 7.50 lbs.



SB50928U



SB50930U



SB50929U

LIFEPAK® 1000 Defibrillator Trainer – US only

- Practice defibrillation skills using a trainer that is identical to the actual LIFEPAK® 1000 AED, minus the energy delivery
- System utilizes the same screen messages, audible tones, and voice prompts as those found in the LIFEPAK® 1000 defibrillator
- Guide users-in-training through simulated analysis, energy delivery, and prompted CPR intervals
- Use for up to 4 hours before battery needs recharging
- Includes internal simulated battery, power cable, and remote control
- Remote control requires 2 AAA batteries (not included)

SB50928U Sh. wt. 9 lbs.

AED Training Electrode Set

- Includes 5 pairs of reusable AED training electrodes, cable connector assembly, and reusable foil pouch
- Reusable training electrodes good for 30 applications

SB50929U Sh. wt. 0.44 lbs.

EDGE System™ Electrodes with QUIK-COMBO® Connector and REDI-PAK™ Preconnect System

SB50930U Sh. wt. 0.19 lbs.

Medtronic Physio-Control AED Training Electrode Adhesive Pads

- 5 pairs of reusable AED training electrode adhesive pads
- Each pair good for about 30 applications
- NOTE: Not compatible with old-style training electrodes

SB34784U Sh. wt. 0.25 lbs.

Replacement Kit for CHARGE-PAK™ Battery Charger with 1 Set of Electrodes

- Includes 1 battery charger, replacement instructions, and discharger for safe disposal of used CHARGE-PAK™ charger

SB50923U Sh. wt. 0.69 lbs.

Replacement Kit for CHARGE-PAK™ Battery Charger with 2 Sets of Electrodes

- Includes 1 battery charger, replacement instructions, and discharger for safe disposal of used CHARGE-PAK™ charger

SB50924U Sh. wt. 0.88 lbs.

Infant/Child Reduced Energy Defibrillation Electrode Starter Kit

- Includes 1 set of reduced energy electrodes, instructions for use, quick instruction guide, and a convenient carry case

SB50926U Sh. wt. 3.50 lbs.

Replacement Infant/Child Reduced Energy Defibrillation Electrodes

SB50927U Sh. wt. 0.63 lbs.

Infant/Child AED Training Electrode Set

- Includes 5 pairs of reusable AED training electrodes, cable connector assembly, and reusable foil pouch
- Reusable training electrodes good for 30 applications

SB50925U Sh. wt. 0.31 lbs.

Basic & Advanced Life Support, Veterinary Training



Life/form® Basic Sanitary CPR Dog

- Canine basic life support in the same user-friendly trainer as ***Life/form***® Advanced Sanitary CPR Dog
- Perform CPR and intubation practice
- Manual femoral pulse
- Includes 10 nosepieces, 3 disposable airways, 6.0 mm endotracheal tube, lubricant, syringe, and soft carry case
- 5-year warranty

LF01156U Sh. wt. 15 lbs.

Life/form® Advanced Sanitary CPR Dog



- Canine advanced life support in one user-friendly trainer
- Specially designed airway provides each learner with a disposable nosepiece and 1-way valve
- Visual feedback indicated with electronic light box for hand position, compression depth, and endotracheal ventilation pressure
- Visible chest rise with mouth-to-snout ventilation (disposable face shields recommended, not included)
- Practice blood draws and IV infusions on the IV foreleg
- Manual femoral pulse
- Includes 10 disposable nosepieces, 3 disposable lower airways, 6.0 mm endotracheal tube, lubricant, 12 cc syringe, towelette, butterfly set, pint bottle with blood powder, two 500 ml fluid supply bags, control box with AC adapter, 9V battery, and soft carry case
- 5-year warranty

LF01155U Sh. wt. 25 lbs.

Replacement Veins
- Pkg. of 3

LF01179U Sh. wt. 0.19 lbs.

Disposable Lower Airways
- Pkg. of 10

LF01158U Sh. wt. 1.75 lbs.

Replacement Muzzles
- Pkg. of 6

LF01157U Sh. wt. 1.25 lbs.

Disposable Nosepieces
- Pkg. of 10

LF01164U Sh. wt. 0.56 lbs.

Life/form® Canine IV Leg



- Simulates the left foreleg of a medium-sized dog in the sternal recumbent position
- 2 interchangeable fur sleeves to simulate normal fur and shaved fur
- Replaceable vein system allows for blood draws and IV infusions
- Practice bandaging and restraint assistance
- Includes portable storage box with built-in IV pole, blood powder, syringe, IV catheter, and 2 fluid supply bags
- 5-year warranty

LF01016U Sh. wt. 2.50 lbs.

Replacement Sleeves
- Set of 2 includes 1 sleeve with normal fur and 1 "shaved" sleeve

LF01016(A)U Sh. wt. 0.31 lbs.

IV Catheters
- Set of 3

LF01016(B)U Sh. wt. 0.31 lbs.

Replacement Vein Tubing
- Set of 3

LF01016(C)U Sh. wt. 0.31 lbs.

Simulaids CasPeR the CPR Dog



- Provides training in mouth-to-snout resuscitation with individual-use, disposable airway bags
- Individual disposable shield/lung bags eliminate cross contamination between students and the need to disinfect the manikin after every use
- Use to teach proper hand placement for compressions, depth of compressions, airway maintenance, femoral pulse check, and adequate ventilation
- Airways are changed quickly and involve no tools
- Instructor friendly
- No disinfecting
- Realistic features
- Femoral pulse
- No loose parts
- No cleaning
- Movable tongue
- 3-year warranty

100-5000U Sh. wt. 15 lbs.

CasPeR Lungs
- Pkg. of 100

100-5001U Sh. wt. 2.25 lbs.

EMERGENCY CARE & TRAUMA

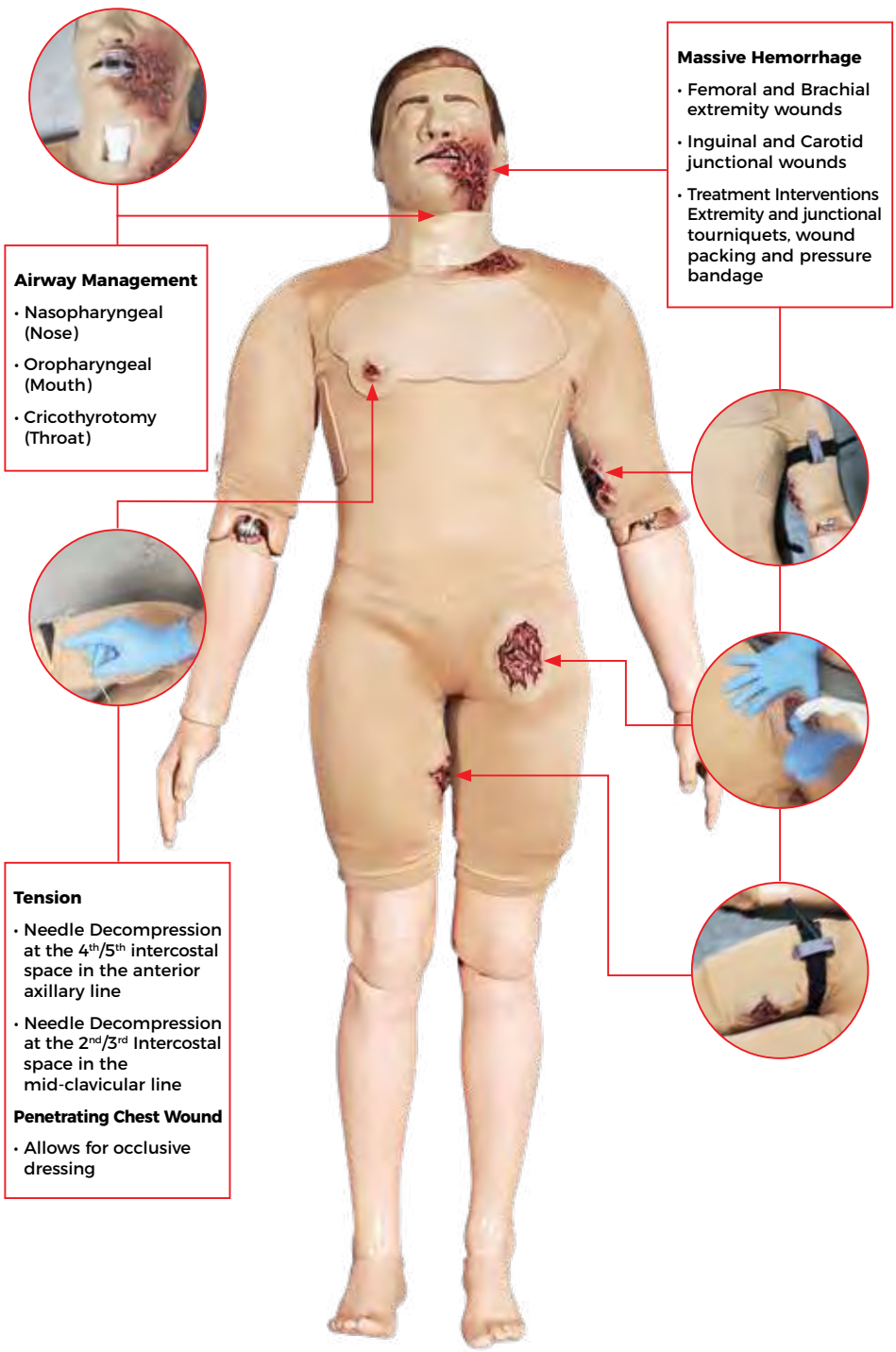
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Be READY



Casualty Care Rescue Randy

compliant with TCCC/TECC scenarios



Airway Management

- Nasopharyngeal (Nose)
- Oropharyngeal (Mouth)
- Cricothyrotomy (Throat)

Massive Hemorrhage

- Femoral and Brachial extremity wounds
- Inguinal and Carotid junctional wounds
- Treatment Interventions Extremity and junctional tourniquets, wound packing and pressure bandage

Tension

- Needle Decompression at the 4th/5th intercostal space in the anterior axillary line
- Needle Decompression at the 2nd/3rd Intercostal space in the mid-clavicular line

Penetrating Chest Wound

- Allows for occlusive dressing

Adult Casualty Care Rescue Randy

Full-body manikin that is uniquely designed for enhanced realistic training on the procedures that treat the 3 most preventable causes of death:

1. Massive Bleeding
2. Tension Pneumothorax
3. Airway Obstruction

Included:

- Full-body manikin with articulated joints
- Weight-distributed to mimic the human anatomy
- Holds 3-4 liters of blood
- Pumping system with regulator simulating human blood flow pressure (2-3) psi
- Manual foot operated blood pumping system allows 3 wounds to bleed simultaneously
- Optional Electric Deluxe blood pumping system allowing 4 wounds to bleed simultaneously
- Comes with blood powder (makes 5 gallons)
- Three (3) repairable neck skins
- Ten (10) repairable tracheas
- One (1) repair kit
- 1-year warranty

Casualty Care Rescue Randy

149-6075U Sh. wt. 122 lbs.

Casualty Rescue Randy with Deluxe Pump

149-6095 Sh. wt. 126 lbs.

Replacement Parts

Trachea, Randy

149-6079 Sold in packs of 10 qty. Sh. wt. 5 lbs.

Repairable Neck Skin, Randy

149-6080 Sold in packs of 3 qty. Sh. wt. 4 lbs.

Silicone Repair Kit

149-6081 Sh. wt. 1.5 lbs.

Blood Mix

149-6093 Sh. wt. 34 lbs.



STOPS Blood Pumping System BPS2-B

Allows for all 4 CCRR wounds to bleed simultaneously and includes additional wounds.

Available Add-On in Deluxe or Basic.

Basic Blood Pumping System

149-6089 Sh. wt. 18 lbs.

Deluxe Blood Pumping System

149-6088 Sh. wt. 22 lbs.

Simulaids Adult ALS Trainer

- Anatomical landmarks include the sternum, rib cage, and substernal notch
- Compressible chest
- Contains teeth, uvula, vocal cords, glottis, epiglottis, larynx, arytenoid cartilage, trachea, esophagus, and inflatable lungs and stomach
- Accepts Combitube®, E.O.A., E.G.T.A., and P.T.L. airways
- Additional features include oral and nasal airways for intubation, bag valve mask ventilation, delivery of supplemental oxygen, palpation of carotid pulse, ABC assessment, separate right and left lungs, auscultation of breath sounds, chest compressions and precordial thump, jaw thrust, IV sites in hand and arm for venipuncture, intramuscular injection site, and blood pressure cuff placement
- Included ECG simulator recreates 17 adult heart rhythms and 17 pediatric rhythms (see page 172, LF03670U, for full details)
- Simulate electronic capture with an external pacer
- Simulate cardioversion with manual, semiautomatic, or automatic defibrillation



- Left arm not included
- Comes with CPR head, intubation head, 50 face shield bags, ALS chest post set, and soft carry bag
- 3-year warranty

101-080FBU Sh. wt. 57 lbs.

Adult ALS Trainer with 2 Arms
- Same as 101-080FBU above, but with both arms

101-081FBU Sh. wt. 66 lbs.

Adult Torso Only
- Includes IV arm, ECG simulator, and soft carry bag

101-080U Sh. wt. 30 lbs.

IV Arm and Hand
- 30 in. x 6 in. x 6 in.

101-081U Sh. wt. 7 lbs.

Intubation Head
- 19 in. x 7 in. x 10 in.

101-082U Sh. wt. 5 lbs.

CPR Head
- 19 in. x 7 in. x 10 in.

101-083U Sh. wt. 5 lbs.

Face Shield Bags
- Pkg. of 50

101-070U Sh. wt. 1.25 lbs.

Replacement IV Arm & Hand Veins
101-074U Sh. wt. 0.25 lbs.

Replacement IV Arm Skin
101-075U Sh. wt. 0.63 lbs.

Adult Replacement Lungs/Stomach
101-072U Sh. wt. 2 lbs.

Intramuscular Injection Pads
- Includes 2 thigh pads and 1 upper arm pad

101-073U Sh. wt. 2 lbs.

Intramuscular Injection Thigh Pads
- Pkg. of 3

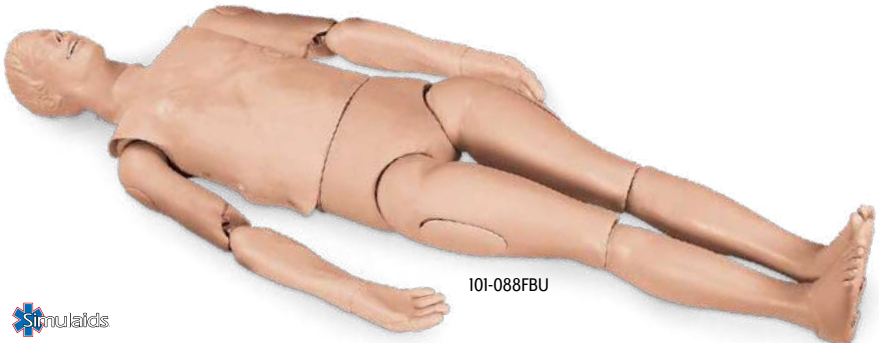
101-071U Sh. wt. 1.25 lbs.

Carry Bag for Full Body Manikin
- For use with 101-080FBU and 101-081FBU manikins above

150-1373U Sh. wt. 4 lbs.



Advanced Life Support Manikins



101-088FBU

WMD/CBRNE/DECON Full-Body Trainer

- 5 ft. 5 in., full-body trainer combines standard intubation head and IV arm with a non-electronic body
- Practice airway maintenance and IV administration
- Couple with Weapons of Mass Destruction (WMD) or Chemical, Biological, Radiological, Nuclear and Explosives (CBRNE) scenario where decontamination (DECON) processes are scheduled and you have the perfect setup for use in processing thorough decontamination stations
- Water won't hurt this trainer, and you can initialize advanced life support treatment as you are flushing contaminants
- No ECG features
- 3-year warranty

101-088FBU Sh. wt. 52 lbs.

Patient monitoring available



Trauma Intubation Head

- Attaches to the Adult ALS Trainer (101-080U, 101-080FBU, and Defib/CPR manikin 101-100U)
- Simulates swollen throat/vocal cords which would cause swelling of the larynx leading to laryngospasm
- Also simulates internal/external bleeding
- A cricothyrotomy can also be performed using this model
- Accepts Combitube®, E.O.A., E.G.T.A., and P.T.L. airways
- Additional features include oral and nasal airways for intubation, bag valve mask ventilation, and delivery of supplemental oxygen
- Includes simulated blood powder, lubricant, and soft carry case
- 3-year warranty

101-069U Sh. wt. 7 lbs.

Trauma Moulage Kit

- Application of these realistic bleeding moulages to a full-body manikin facilitates quick identification, diagnosis, and dressing of wounds by trainees
- Kit includes compound fractures, contusions, lacerations, evisceration, sucking chest wound, impalement, crushed foot, jaw wound, and projectile entry and exit of arm

800-6701U Light **800-6701BU** Dark Sh. wt. 9 lbs.

Carry Bag

150-1373U Sh. wt. 4 lbs.

Simulaids skin tones available: Light Dark



Trauma Moulage Kit





Simulaids Pediatric ALS Trainer

Features include:

- I/O legs for intraosseous needle insertion and aspiration of bone marrow (2)
- Accepts NG tube
- Bag valve mask ventilation
- Brachial pulse
- Cranial sutures
- External chest compressions
- Fontanels
- 4-lead monitoring
- Intubation head
- IV sites in hand and arm
- Jaw thrust
- Oral or nasal intubation
- Scalp vein for palpation
- Sellick's Maneuver
- Soft carry bag
- 3-year warranty

101-090U Sh. wt. 6 lbs.

Pediatric ALS Trainer Complete with Interactive ECG Simulator

- For complete description of the Interactive ECG Simulator, see LF03670U

101-091U Sh. wt. 7 lbs.

Arm/Hand Skins

- Pack of 2

101-094U Sh. wt. 0.31 lbs.

Pediatric ALS Replacement Lungs and Stomach

- Pack of 4

101-098U Sh. wt. 2 lbs.

Leg Skins

- Pack of 4

101-093U Sh. wt. 2 lbs.

Arm/Hand Vein Set

101-095U Sh. wt. 0.19 lbs.

I/O Bone and Blood Capsule

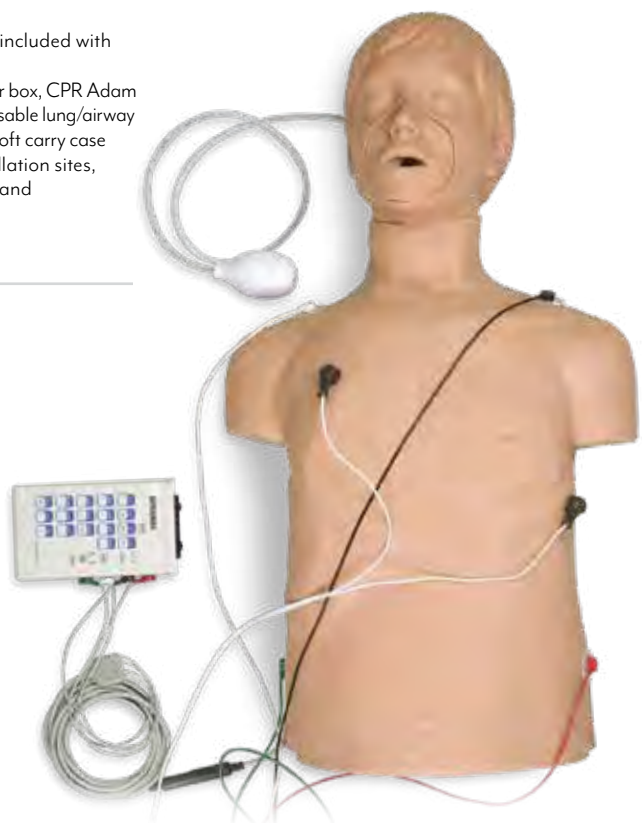
101-092U Pack of 12. Sh. wt. 2 lbs.

Patient monitoring available

Simulaids Defibrillation/CPR Training Manikin

- For demonstration and practice of defibrillation and CPR training
- Functions with manual, semiautomatic, and automatic defibrillators
- Complete CPR capabilities
- Recreates 17 adult heart rhythms and 17 pediatric rhythms
- External pacer to simulate electronic capture
- Simulate cardioversion with manual, semiautomatic, or automatic defibrillation
- See the ECG simulator (LF03670U) included with this manikin for full details
- Includes load box, arrhythmia simulator box, CPR Adam manikin with defibrillation skin, 10 disposable lung/airway systems, 10 mouth/nosepieces, and a soft carry case
- Includes adapters for manual defibrillation sites, Physio adapters, Laerdal® adapters, and Marquette adapters
- 3-year warranty

101-100U Sh. wt. 24 lbs.



Adapters for Defibrillation/CPR Training Manikins

- Select the adapters appropriate for your defibrillator
- Pkg. of 2 adapters

Sh. wt. 0.25 lbs.

101-053U Manual Adapters
101-052U Physio Adapters
101-051U Laerdal® Adapters
101-050U Marquette Adapters

ALS Adapter Kit

- Includes 1 adapter for manual defibrillation site and 1 adapter each of Physio, Laerdal®, and Marquette

101-054U Sh. wt. 1.25 lbs.

Replacement Lungs

100-2030U Pkg. of 20. Sh. wt. 3 lbs.
2030100PKU Pkg. of 100. Sh. wt. 3 lbs.

Mouth/Nosepieces

- Pkg. of 10

100-2023U Sh. wt. 2.25 lbs.

Full-Body Trainer & STAT Manikin

PHTLS Full-Body Trainer

- Airway maintenance with basic and advanced adjuncts
- IV therapy
- Left IV arm
- I/O therapy
- Manubrium I/O insertion
- Chest trauma treatment
- Pneumothorax reduction
- Intubation head with tongue edema and laryngospasm options
- 140-lb. manikin

101-317U Sh. wt. 160 lbs.

PHTLS Torso Trainer

- Includes same features as the full-body trainer without the legs

101-315U Sh. wt. 54 lbs.



PHTLS Full-Body Trainer

PHTLS Torso Trainer

practice treating survivors of biological or chemical incidents

WMD STAT Manikin

- Perform the following procedures:
  - Basic airway management
  - Chest compressions
  - Decontamination by flushing with water
  - IV therapy
  - Patient handling
- Contains no electrical parts, hence no ECG capability
- 140-lb. (63.6 kg) manikin is approximately 6 ft. tall, with a 42 in. chest
- Includes a hard storage case with wheels
- Assembly of the knee pins is required in order to attach the lower legs
- 57 in. x 34 in. x 12 in.

101-330U Sh. wt. 185 lbs.



STAT Manikin

- Full range of skills to practice on a life-size manikin (6 ft.)
- Standard ALS components of ECG rhythm recognition and defibrillation, airway maintenance, IV arm, and CPR features are augmented with this list of features:
  - Automatic cardioversion upon defibrillation
  - Bilateral chest decompression sites
  - Bilateral chest tube insertion sites
  - Cricothyrotomy
  - Combitube®, L.M.A., L.T., O.P.A., N.P.A., and E.T. devices work
  - Pacing
  - 17 rhythms
  - Practice sharps control, sterile technique, securing, titrating, phlebotomy
  - Tongue edema and laryngospasm
  - 12 pulse points (6 pairs) with 3 zones used to demonstrate blood pressure loss
  - Upper teeth break out with laryngoscope pressure Venous access from dorsal hand to upper arm with all major veins
- Arrives assembled (except knee joints) in its own hard carry case with wheels
- Includes replacement parts, shorts, instructions, and accessories
- Requires active instructor participation to set up and change the physiologic characteristics during the scenario
- Shipped truck.



101-310U

STAT Manikin with Deluxe Airway Management Head

- Includes same features of the STAT Manikin, but also features a lifelike feel with greater stretching, as well as a flexible tongue

101-310U Sh. wt. 110 lbs.

Cricothyrotomy Replacement Skin
- Pkg. of 10

101-424U Sh. wt. 0.56 lbs.

Pneumothorax Pads
- Pkg. of 4

101-423U Sh. wt. 1.25 lbs.

IV Replacement Skin

140-390U Sh. wt. 2 lbs.

IV Replacement Vein Kit

101-367U Sh. wt. 0.19 lbs.

Injection Site, Arm
- Pkg. of 4

101-302U Sh. wt. 0.38 lbs.

Injection Site, Thigh
- Pkg. of 4

101-441U Sh. wt. 0.25 lbs.

Patient monitoring available

Adult Airway Management Trainer

- Features anatomical landmarks including sternum and rib cage plus substernal notch
- Compressible chest
- Contains teeth, uvula, vocal cords, glottis, epiglottis, larynx, arytenoid cartilage, and trachea
- Additional features include oral and nasal airway for intubation, esophagus, inflatable lungs and stomach, NG tube placement, and bag valve mask ventilation
- Includes soft carry bag
- Arms not included

101-086FBU Sh. wt. 51 lbs.



101-086FBU



Visit our website for a full assortment of CPR training products

CRiSis™ Manikin

Airway Management
- Compatible airway management devices include E.T., E.O.A., E.T.L., L.M.A., E.G.T.A., Combitube®, and King Systems
- Cricoid cartilage allows for practice of Sellick maneuver
- Oral, nasal, and digital intubation
- Palpable carotid pulse (manual)
- Realistic anatomical features
- Separate left and right lungs for auscultation
- Suctioning capabilities

Blood Pressure Arm
- Auscultatory gap
- 5 Korotkoff phases
- Systolic and diastolic levels, heart rate, and sound volume
- Radial pulse
- Use with an optional external speaker system to broadcast sounds to the entire classroom

CPR
- Fully articulated head, neck, and jaw
- Jaw thrust
- Palpable and visual landmarks
- Compressible chest

Defibrillation Chest
- Compatible with all standard brands and types of defibrillators, monitors, and patient simulators
- Internal load box absorbs full strength of every shock — designed to handle up to maximum recommended 360 Joules
- Manual, semiautomatic, and automatic defibrillation
- Monitor manikin like a real patient at 4 ECG sites and 2 defibrillation sites

IV Arm
- Articulated at the biceps for antecubital and dorsal access
- Bony landmark at shoulder to identify muscle tissue for intramuscular injections
- Realistic flashback from a pressurized system
- Replaceable skin and veins

- 5-year warranty

LF03890U Sh. wt. 88 lbs.

CRiSis™ Manikin Upgrades



Life/form® Auscultation Smartscope®

- For use with Life/form® auscultation simulators. The remote control does not have to be pointed at the manikin or stethoscope to operate. One remote control will operate multiple sets of Smartscopes™ and manikins simultaneously. Great for group instruction. Range on the unit is up to 100 feet of remote access.
- Diagnosis of the condition selected by the instructor can be made by comparing the variations in sounds occurring at different sites
- 5 anterior and 2 midaxillary lung sites
- 6 anterior heart sites

LF01144U Sh. wt. 1.75 lbs.

Life/form® Remote Control for Auscultation Smartscope®



- For use with Life/form® Auscultation Trainer and Smartscope™, (LF01142), (LF01144U) and Life/form® Auscultation Trainer and Smartscope™ and Amplifier/ Speaker System (LF01172).

LF01148U Sh. wt. 0.56 lbs.

Life/form® CPR Metrix and iPad®

- High-tech solution for CPR training and documentation.
- Indicates improper hand placement, signals proper compression depth, and signals proper ventilation volume using AHA standards
- Graphical interfaces and audio feedback are easy for students to use and follow
- Solid documentation lets you easily track each student's performance
- Debriefing tools help with documentation and support training
- Detailed reports can be saved in PDF format
- 5-year warranty



Full CPR Monitoring

LF03406U Sh. wt. 6.5 lbs.

LF03407U iPad Only Sh. wt. 4.5 lbs.

LF03405U Metrix Control Box Only Sh. wt. 2 lbs.

Life/form® Interactive ECG Simulator



- Defibrillation shock can be delivered through manikin or simulator
- Practice operating your defibrillator/ external pacer without a manikin
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- Marquette, Laerdal®, Medtronic Physio Adapters, and chest post set included with purchase

Waveforms available for pacing include:

- Junctional Brady
- Sinus Brady
- Second degree type I A-V block
- Second degree type II A-V block
- Second degree type II A-V block with PVCs
- Third degree A-V block

17 Adult/Pediatric Rhythms

- V. Fib
- V. Tach (Fast)
- V. Tach (Polymorphic)
- A Fib
- SVT
- Sinus with PVCs
- NSR
- Junctional Brady
- Second degree type I A-V block
- Second degree type II A-V block
- Second degree type II A-V block with PVCs
- Third degree A-V block
- Generate realistic 3-lead or 4-lead ECG rhythms
- V. Tach (Slow)
- A Flutter
- Sinus Tach
- Asystole
- Sinus Brady
- The RA, LA, and LL signal morphologies create accurate representations of the QRS, P, and T axes
- Requires one 9V alkaline battery

LF03670U Sh. wt. 3 lbs.

CRiSis™ Manikin Upgrades

Life/form® Advanced "Airway Larry" Airway Management Trainer Head



- Offers tongue edema and laryngospasm in addition to all the features on the standard models
- Applying pressure to the cricoid cartilage changes the position of the trachea and closes the esophagus, allowing realistic practice of the Sellick maneuver
- Manual carotid pulse
- With its slightly anterior position, swelling tongue, and vocal cords, this is a great trainer for introductory as well as advanced training
- Can be attached to any ***CRiSis***™, **CPARLENE**•, or "Airway Larry" manikin
- Comes with pump spray lubricant and instruction manual
- Lungs (LF03605U) and stomach (LF03606U) not included
- 5-year warranty

LF03684U Sh. wt. 7 lbs.



Life/form® Articulating Legs with Intraosseous Infusion

- Attach easily to any ***Life/form***® Adult ***CRiSis***™, **CPARLENE**•, "Airway Larry," or Adult Airway Management torsos or manikins
- Leg is fluid capable and a blood source is accessible through the injection site
- Palpable landmarks
- Use B.I.G.™, EZ-IO™, or almost any other intraosseous infusion devices
- Replaceable thigh injection site
- Includes 10 replaceable simulated bones, 4 replaceable skin pads, shorts, simulated blood, lubricating jelly, towels, I/O needle, and syringe with tubing
- 5-year warranty

LF03840U Sh. wt. 17 lbs.

Skin Pads — Pkg. of 4

LF03841U Sh. wt. 0.88 lbs.

I/O Bones — Set of 10

LF03831U Sh. wt. 2.75 lbs.

Leg Injection Site

LF04052(N)U Sh. wt. 0.69 lbs.

Life/form® *CRiSis*™ Manikin Torso



LF03957U

- Practice defibrillation using standard manual, automatic, or semi-automatic external monitor defibrillators
- Internal load box absorbs the full strength of every shock to protect students and equipment
- Monitor the manikin just like a real patient
- Compatible with all standard brands and types of defibrillators, monitors, and patient simulators
- 4 ECG sites and 2 defibrillation sites
- Offers the same great benefits of the standard and advanced models
- Simulates nonanesthetized patients for practicing intubation, ventilation, suction, and CPR techniques
- Realistic anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach
- Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube®, and King System insertion
- Applying pressure to the cricoid and thyroid cartilage changes the position of the trachea and closes the esophagus to practice Sellick maneuver
- Manual carotid pulse
- Includes pump spray lubricant, disposable lower airway for the manikin, and instruction manual
- 5-year warranty

LF03957U Sh. wt. 30 lbs.

Life/form® Deluxe *CRiSis*™ Manikin Torso

- Same features as the ***CRiSis***™ Manikin Torso
- ECG arrhythmia simulation
- Upgrade manikin with available modular components
- Includes pump spray lubricant, ECG Simulator, foam-lined carton, and instruction manual
- 5-year warranty

LF03958U Sh. wt. 37 lbs.

Life/form® Deluxe *CRiSis*™ Manikin Torso with Advanced Airway Management

- Includes all of the same quality features as the Deluxe ***CRiSis***™ Manikin Torso with the addition of laryngospasms (manual) and tongue edema (manual)
- 5-year warranty

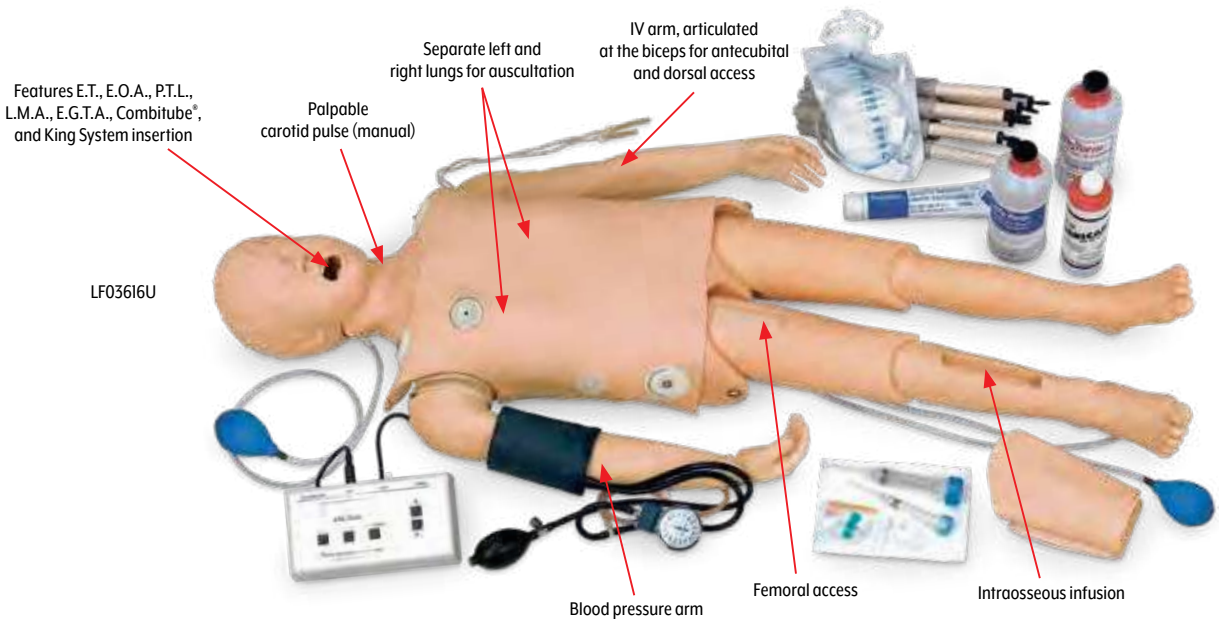
LF03983U Sh. wt. 40 lbs.

Life/form® Advanced "Airway Larry" Torso with Defibrillation Features

- Same features as the ***CRiSis***™ Manikin Torso
- Tongue edema and laryngospasm
- 5-year warranty

LF03960U Sh. wt. 28 lbs.

Child *CRiSis*™ Manikins



Life/form® Child *CRiSis*™ Manikins

- Complete PALS training capabilities in 1 manikin
- Simulating a 5-year-old child, it combines all of the skill stations on 1 manikin, making training more realistic and giving students an appreciation for the smaller scale of the patient
- Realistic anatomy and landmarks include a mouth, tongue, oral pharynx, epiglottis, arytenoids, vocal cords, trachea, and esophagus
- Manikin is 46¾ in. long and weighs 20-lbs.
- 5-year warranty

Features:

Airway Management
- Compatible airway management devices include E.T., E.O.A., E.T.L., L.M.A., E.G.T.A., Combitube®, and King Systems
- Inflatable stomach bladder to indicate esophageal intubation
- Oral, nasal, and digital intubation capabilities
- Realistic anatomical features
- Separate left and right lungs for auscultation
- Suctioning capabilities

Blood Pressure Arm
- Auscultatory gap
- Systolic and diastolic levels, heart rate, and sound volume
- Palpable radial pulse
- Speaker in arm reproduces real blood pressure sounds
- 5 Korotkoff sounds

Patient monitoring available

CPR
- Fully articulated head, neck, and jaw
- Jaw thrust
- Palpable and visual landmarks
- Palpable carotid pulse (manual)

Defibrillation Chest
- Compatible with all standard brands and types of defibrillators, monitors, and patient simulators
- Internal load box absorbs full strength shock
- Manual, automatic, and semi-automatic defibrillation
- Pacing
- Rhythms are detected at 4 ECG sites and 2 defibrillation sites

Femoral Access
- Articulated leg requires proper positioning
- Palpable arterial pulse (manual)
- Palpable symphysis pubis and anterior superior iliac spine
- Realistic flashback from pressurized venous system
- Replaceable injection pad

Intraosseous Infusion
- Palpable landmarks include the patella, tibia, and tibial tuberosity
- Pressurized system allows aspiration of fluid
- Replaceable bones and skin

IV Arm
- Articulated at the biceps for antecubital and dorsal access
- Realistic flashback from a pressurized system
- Replaceable skin and veins
- Smaller lumen tubing simulates the size of a child's veins

Life/form® Basic Child *CRiSis*™ Manikin

- Realistic training and practice of child airway management and CPR education
- Basic airway management trainer may be gradually upgraded to the ***Life/form***® Complete Child ***CRiSis***™ or Deluxe Child ***CRiSis***™ manikins by adding the available modular components and the Interactive ECG Simulator
- 5-year warranty

LF03765U Sh. wt. 25 lbs.

Basic Child *CRiSis*™ Manikin with Advanced Airway Management
- Includes all of the same quality features as the Basic Child ***CRiSis***™ Manikin with the addition of laryngospasms and tongue edema
- 5-year warranty

LF03665U Sh. wt. 27 lbs.

Life/form® Complete Child *CRiSis*™ Manikin

- Includes all features listed above

LF03616U Sh. wt. 35 lbs.

Complete Child *CRiSis*™ Manikin with Advanced Airway Management
- Includes all of the same quality features as the Complete Child ***CRiSis***™ Manikin with the addition of laryngospasms and tongue edema

LF03980U Sh. wt. 38 lbs.

Life/form® Deluxe Child *CRiSis*™ Manikin

- Includes same features as the Complete Child ***CRiSis***™ Manikin with the addition of interactive ECG Arrhythmia Simulator
- ECG simulator recreates 17 adult heart rhythms and 17 pediatric rhythms
- Simulate electronic capture with an external pacer
- Simulate cardioversion with manual, semiautomatic, or automatic defibrillation
- 5-year warranty

LF03617U Sh. wt. 38 lbs.

Deluxe Child *CRiSis*™ Manikin with Advanced Airway Management
- Includes same features as the Deluxe Child ***CRiSis***™ Manikin with the addition of laryngospasms and tongue edema
- 5-year warranty

LF03981U Sh. wt. 41 lbs.

Life/form® Child *CRiSis*™ Trainers

- Simulates a 5-year-old child
- Practice intubation, ventilation, suction, CPR, and jaw thrust techniques
- Realistic anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false and true vocal cords, trachea, lungs, esophagus, and stomach
- Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube®, and King System insertion
- Separate lungs for auscultation
- Manual carotid pulse
- Inflatable stomach indicates esophageal insufflation
- Arrhythmia recognition
- Defibrillation
- ECG monitoring (4 sites)
- Pacing
- 5-year warranty

Life/form® Child *CRiSis*™ Starter Torso

- Can be completely upgraded to a dramatic, full PALS training manikin
- Ideal for ACLS, nursing, paramedic, and EMT training at every level
- Practice defibrillation using standard manual, automatic, or semiautomatic external monitor defibrillators
- Internal load box absorbs the full strength of every shock to protect students and equipment
- Monitor the manikin just like a real patient
- Compatible with all standard types of defibrillators, monitors, and patient simulators
- 4 ECG sites and 2 defibrillation sites
- Designed to be the foundation of the ***Life/form***® Child ***CRiSis***™ Manikin
- Arms and legs can be added later to provide IV access, intraosseous infusions, and blood pressure monitoring
- Add the ***Life/form***® Interactive ECG Simulator to your training to practice ECG recognition
- Includes pump spray lubricant and instruction manual
- 5-year warranty

LF03674U Sh. wt. 36 lbs.

Child *CRiSis*™ Starter Torso with Advanced Airway Management

- Includes all of the same quality features as the Child ***CRiSis***™ Starter Torso with the addition of laryngospasms (manual) and tongue edema (manual)
- Includes pump spray lubricant and instruction manual
- 5-year warranty

LF03763U Sh. wt. 21 lbs.



LF03764U

Life/form® Advanced Child *CRiSis*™ Torso with Defibrillation, ECG, and AED

- Same features as the ***Life/form***® Advanced Child Airway Management Torso with Defibrillation
- Includes the Interactive ECG Simulator, Universal AED Trainer, pump spray lubricant, and instruction manual
- 5-year warranty

LF03764U Sh. wt. 46 lbs.

For a full assortment of Child ***CRiSis***™ replacement parts, visit our website.

Child *CRiSis*™ Manikins

Life/form® Basic Child *CRiSis*™ Trainer Torso with Advanced Airway Management

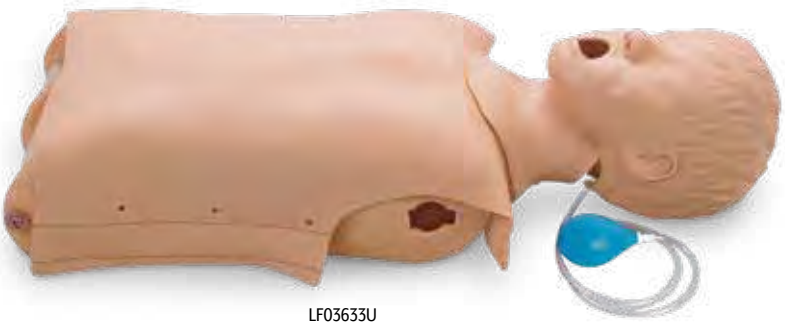
- Includes all of the same quality features as the Child Airway Management Trainer Torso on page E-25 with the addition of laryngospasms (manual) and tongue edema (manual)
- 5-year warranty

LF03663U Sh. wt. 24 lbs.

Life/form® Basic Child *CRiSis*™ Trainer Torso

- Includes pump spray lubricant and instruction manual
- 5-year warranty

LF03633U Sh. wt. 21 lbs.



LF03633U





Start with Child ***CRiSis***™ Torso



1. Add an IV Arm



2. Add a Blood Pressure Arm



3. Add the IO/Femoral Access Leg and Plain Left Leg



4. Add a Defibrillation Chest

1. *Life/form*® Child *CRiSis*™ Manikin Injectable Training Arm

- An exact reproduction of the arm of a 5-year-old for practice of venipuncture, intramuscular injection techniques, and procedures used in young children
- Features realistic skin and veins so the skin actually rolls as you palpate the vein, and the characteristic "pop" can be felt as the needle penetrates the vein
- Realistic flashback occurs with proper insertion
- Arm pivots at the upper arm for easy accessibility to antecubital fossa, along the forearm, and at the back of the hand
- A bony landmark at the shoulder helps identify muscle tissue for intramuscular injections
- For attachment to the left shoulder of any ***Life/form***® Child CPR/Airway Management Torso
- Replacement skin, veins, and an aerosol vein sealant (LF01099U) are available
- Arm comes with light skin, 2 fluid supply bags, 3 cc syringe, 12 cc syringe, needle, 1 pint ***Life/form***® blood, instruction manual, and carry case
- 5-year warranty

LF03612U Sh. wt. 13 lbs.

2. Blood Pressure Arm

- Reproduction of the arm of a 5-year-old attaches to the right shoulder opening of any ***Life/form***® Child Airway Management/CPR Torso
- Arm is hinged to swing away from the body for easy accessibility
- Arm is programmed to demonstrate the 5 Korotkoff phases and an auscultatory gap switch may be used to simulate the auscultatory gap that is sometimes present between Phase I and Phase II sounds
- Select systolic and diastolic settings, adjust volume and pulse rate, and easily calibrate when needed
- Has palpable radial pulse
- Optional external Amplifier/Speaker System (LF01189U) can be used instead of the speaker in the arm to broadcast sounds for a group
- Includes sphygmomanometer, cuff, gauge assembly, and instruction manual
- Requires 6 AA batteries (included)
- 5-year warranty

LF03613U Sh. wt. 10 lbs.

3. Intraosseous Infusion/Femoral Access Leg

- Attaches directly to any ***Life/form***® Child Airway Management/CPR Torso
- Features for intraosseous infusion practice include palpable landmarks including the patella, tibia, and tibial tuberosity; replaceable bones and skin; and a pressurized system to allow aspiration of fluid
- For femoral access, features include palpable arterial pulse, realistic flashback from pressurized venous system, replaceable injection pad, and an articulated leg that allows proper positioning
- 15-gauge intraosseous infusion needle included
- 32 in. x 7 in. x 8 in.
- 5-year warranty

LF03614U Sh. wt. 6.50 lbs.

Plain Left Leg

LF03634U Sh. wt. 1.75 lbs.

4. Defibrillation Chest Skin

- Perfect for practicing defibrillation on any ***Life/form***® Child Airway Management/CPR Torso
- Chest skin lets you defibrillate using standard manual, automatic, or semi-automatic external monitor defibrillators by attaching directly to your manikin
- Skin also makes it possible to monitor the manikin
- 5-year warranty

LF03611U Sh. wt. 3.50 lbs.

Child Advanced Airway Update Head Option

- Simulated head of a 5-year-old child featuring realistic size and anatomy
- For practicing airway management skills on pediatric patients
- Includes mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and esophagus
- Separate lungs for auscultation
- Inflatable stomach bladder indicates esophageal insufflation
- Practice suctioning and oral, nasal, and intubation techniques
- Offers tongue edema and laryngospasm features
- Includes stomach and lungs
- 5-year warranty

LF03761U Sh. wt. 7.50 lbs.

C.H.A.R.L.I.E. Neonatal Resuscitation Simulator

meet Baby C.H.A.R.L.I.E. and satisfy all your training requirements for NRP 7th edition

C : Compressions, Cardiac
H : Heat compatible
A : Airway, Arterial access via the umbilicus
R : Resuscitation
L : Laryngeal mask capable for oxygen use or PPV
I : Intravenous, Intraosseous, Intubation
E : ECG

Features:

- Airway, breathing, intubation, and ventilation
- Chest tube placement
- CPR
- ECG simulation (must have ECG simulator LF03670U or 101-102U)
- Gastrointestinal (GI) tube
- Intraosseous infusion
- Observation and measurement
- Palpable manual pulse points in 7 locations
- Patent umbilicus with venous and arterial access
- PICC site in arm
- Urinary catheterization to use with interchangeable genitalia

C.H.A.R.L.I.E. comes complete with:

- Airways, 2, standard and advanced
- Baby powder
- Blood
- Carry bag
- Defibrillation chest
- Intraosseous bones and skin
- IV bag
- IV skin and veins for hand and foot
- Male and female genitalia
- Myelomeningocele
- Needles
- Omphalocele
- Umbilicus
- Instruction manual
- 5-year warranty











C.H.A.R.L.I.E. Neonatal Resuscitation Simulator Without Interactive ECG Simulator

LF01421U Sh. wt. 14 lbs.

Patient monitoring available

C.H.A.R.L.I.E. Neonatal Resuscitation Simulator with Interactive ECG Simulator

- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- Battery saver feature powers-off simulator automatically when not in use
- 6 waveforms
- 17 adult/pediatric rhythms

LF01420U Sh. wt. 15 lbs.

Life/form® Interactive ECG Simulator



- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- 17 adult/pediatric rhythms
- 6 waveforms
- Battery saver feature powers-off simulator automatically when not in use

LF03670(A)U Sh. wt. 1.50 lbs.

Bilateral Chest Insert
LF01401U Sh. wt. 0.63 lbs.

Unilateral Chest Insert
LF01402U Sh. wt. 0.63 lbs.

Replacement Airway
LF01403U Sh. wt. 0.25 lbs.

Replacement IV Hand Skin and Vein
LF01404U Sh. wt. 0.06 lbs.

Replacement IV Foot Skin and Vein
LF01405U Sh. wt. 0.06 lbs.

Umbilicus with Pulse
LF01412U Sh. wt. 0.06 lbs.

Birth Defects
LF01407U Sh. wt. 0.56 lbs.

Replacement Advanced Airway
LF01408U Sh. wt. 0.38 lbs.

Defibrillation Chest
LF01409U Sh. wt. 0.50 lbs.

Replacement Genitalia
LF01410U Male and female. Sh. wt. 0.50 lbs.

Replacement I/O Skin
LF01411U Sh. wt. 0.50 lbs.

I/O Bone and Blood Capsule
101-092U Pkg. of 12. Sh. wt. 2 lbs.

Chest Post for Training Cables
175-0-Z08U Sh. wt. 0.02 lbs.

Simulaids STAT Baby

- Realism in pediatric training
- Lifelike simulator for infant care utilizes new materials for tactile awareness during patient assessment
- Developed with leading pediatric physicians, this baby contains a wide range of skill sets in a simple format
- Infant is sized to a 9-month-old and has an 18-lb. weight

Features:

- o Bilateral chest tube insertion
- o Defibrillation with shock level of 2-4 joules per kg
- o ET tube insertion
- o Feeding tube care
- o Foley catheter insertion (female)
- o Intramuscular and subcutaneous injection sites
- o Intraosseous leg
- o LMA insertion
- o NG tube placement with fluid reservoir
- o Peripheral IV sites on hand and foot
- o PICC line
- o Pneumothorax
- o Rectal medication
- o 6 pulse locations (2 brachial, 2 femoral, 2 carotid)
- o Tongue edema and laryngospasm

- Includes IV vein kit (1 arm and 1 leg), leg skin, arm skin, 12 I/O leg bones, 4 pneumothorax sites, 2 injection sites, 1 PICC line site, 4 reservoir bags, defibrillator adapters, interactive ECG simulator, simulated blood powder, and carry bag
- 3-year warranty

101-350U Sh. wt. 28 lbs.





Infant *CRiSis*™ Manikins

complete resuscitation system designed for teaching life-saving techniques for infants

Life/form® Infant *CRiSis*™ Manikin

- Ideal for beginning practice and building skills to work on the more advanced skills
- Ideal for pediatric advanced life support, nursing, hospital, paramedic, and EMT training at every level
- Anatomical landmarks to teach proper infant handling in emergency situations
- Anatomically correct in both size and detail
- Cephalic and basilic veins are accessible on the IV arm, as well as the dorsal venous arch on the hand; the great saphenous veins are accessible on the IV leg, as well as the dorsal venous arch on the foot
- Injectable arms and legs have special, extremely thin skin and tubing with small, thin walls for venipuncture practice
- 5-year warranty



LF03718U

For a full assortment of Infant *CRiSis*™ replacement parts, visit our website.

Features:

Airway Management
- Oral and digital intubation capabilities
- Realistic anatomy of the mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and esophagus
- Suctioning capabilities

CPR
- Fully articulated head, neck, and jaw
- Jaw thrust
- Palpable and visual landmarks
- Palpable brachial pulse (manual)

ECG/Umbilical Cannulation Skin
- Allows practice of umbilical cannulation, cutting, and clamping
- Arrhythmia recognition
- Aspirate fluid through the umbilicus
- Learn proper techniques in umbilical catheterization

Intraosseous Infusion
- Palpable landmarks include the patella, tibia, and tibial tuberosity
- Replaceable bones and skin
- Pressurized system allows aspiration of fluid

IV Arm & Leg
- Realistic flashback from a pressurized system
- Replaceable skin and veins
- Smaller lumen tubing simulates the size of an infant's veins

Life/form® Complete Infant *CRiSis*™ Manikin

- Includes same features listed above with the addition of ECG chest skin
- Comprehensive PALS trainer allows practice of 4-lead ECG monitoring, IV therapy, umbilical catheterization, airway management, intraosseous infusion, and CPR
- Includes IV bags with clamps, synthetic blood, winged infusion sets, syringes, 22-gauge needles, disposable umbilical cords and clamps, lubricant, intraosseous bone kit with needle, lubricating jelly, towels, instruction manual, and hard carry case
- Interactive ECG Simulator is available separately
- 5-year warranty

LF03709U Sh. wt. 23 lbs.

Life/form® Deluxe Infant *CRiSis*™ Manikin

- Includes same features as the Complete Infant *CRiSis*™ Manikin, with the addition of interactive ECG arrhythmia simulator
- Arrhythmia simulator recreates 17 adult heart rhythms and 17 pediatric rhythms
- Simulate cardioversion with manual, semi-automatic, or automatic defibrillation
- 5-year warranty

LF03718U Sh. wt. 27 lbs.

Life/form® Newborn Nursing Skills and ALS Simulator

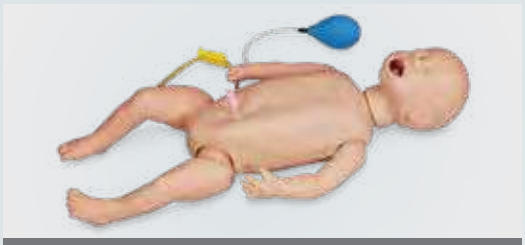
- Use for meeting objectives of the Neonatal Resuscitation Program's course curriculum
- Newborn size: 19 in. L (crown to heel), 7½-lb. weight, 14½ in. head circumference
- Includes simulator, replaceable airway (2), bilateral lung, collapsed lung, functional (patent) umbilicus, omphalocele, myelomeningocele, hand skins (2), foot skins (2), vein system for hand, vein system for foot, 500 ml fluid supply bag (2), 3 cc syringe with needle, 25 gauge infusion butterfly needle, 25 ml syringe, artificial blood powder, lubricant, baby powder, and hard carry case
- 5-year warranty

LF01400U Sh. wt. 14 lbs.





For more information on *Life/form*® Newborn Nursing Skills and ALS Simulator, visit our website.



Start with Basic Infant ***CRiSis***™ Manikin



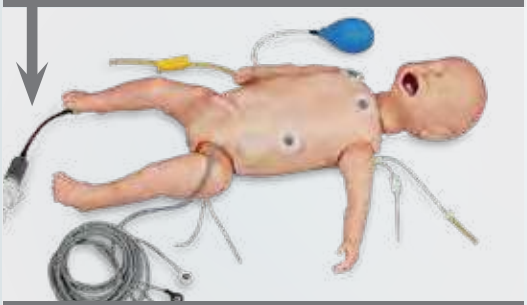
1. Add an IV Arm



2. Add an IV Leg



3. Add the Single Intraosseous Infusion Leg



4. Add the ECG/Umbilical Cannulation Skin



1. *Life*/*form*® Infant IV Arm

- Extremely thin synthetic skin is paired with rubber tubing featuring a small lumen and thin walls
- Cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand
- Comes with 2 IV bags with clamps, 1 pint ***Life/form***® blood, and winged infusion set
- Fluid supply stand not included
- 8 in. x 5 in. x 5 in.
- 5-year warranty

LF03637U Sh. wt. 2.50 lbs.



2. *Life*/*form*® Infant IV Leg

- Extremely thin synthetic skin is paired with rubber tubing featuring a small lumen and thin walls
- Greater and lesser saphenous veins are accessible, as well as the dorsal venous arch on the foot
- Comes with 2 IV bags with clamps, 1 pint ***Life/form***® blood, 1 syringe (3 cc), 1 needle (22-gauge), and winged infusion set
- Fluid supply stand not included
- 5-year warranty

LF03636U Sh. wt. 2.75 lbs.



3. Single Intraosseous Infusion Leg

- A single leg with the ability to be placed on the ***Life/form***® Infant ***CRiSis***™ manikin
- Includes 10 replaceable bones, 2 sets of replacement skins, and a fluid administration kit enabling you to visualize a flashback and infuse fluid into the leg
- Intraosseous infusion needle included
- 12 in. x 10 in. x 4 in.
- 5-year warranty

LF03622U Sh. wt. 2.50 lbs.



4. ECG/Umbilical Cannulation Skin

- Pediatric chest skin with umbilicus is perfect for practicing and demonstrating umbilical clamping, cutting, and catheterization
- 4 sites for ECG monitoring
- Comes with 1 pint ***Life/form***® blood, 1 IV bag with clamp, 1 syringe (3 cc), 6 umbilicus clamps, and 5 replacement cords
- 5-year warranty

LF03710U Sh. wt. 3 lbs.

Arrhythmia Simulation

Code Simulator 12-Lead Arrhythmia Simulator

- Pace and defibrillate directly into this interactive 12-lead ECG simulator through your hands-free defibrillation cable
- Simulate electrical capture with an external pacer
- Press simulator capture key to select 1 of 4 preset pacing capture levels: 70, 80, 90, or 100mA (when pacer current is greater than selected capture level, paced beats appear on your monitor)
- Waveforms for pacing include: Sinus Brady (2), 1st degree A-V block, 2nd degree type I A-V block, 2nd degree type II A-V block, 2nd degree type II A-V block with PVCs, and 3rd degree A-V block
- Simulate cardioversion with a manual, semi-automatic, or automatic defibrillator
- Activate "convert" feature to select (before defib discharge) another rhythm to run immediately after defib discharge
- Waveforms for defibrillator training include: V. Fib., V. Tach (high rate), V. Tach (low rate), Torsade, A. Fib, A. Flutter, PSVT, Sinus Tach, Sinus Rhythm, Sinus Rhythm with PVCs, Asystole, and NSR
- Generate realistic 12-lead ECG rhythms
- Connect an ECG cable to simulator's 10 ECG snaps
- Independent chest lead and limb lead ECG signals create realistic 12-lead ECGs for each rhythm
- Generate ST segment and T wave abnormalities including: Anterior MI, Inferior MI, Antero-Septal ST Elevation, Anterior ST Depression, Lateral ST Elevation, and Inferior ST Elevation
- LED indicators: pacer pulse detection, defib discharge detection, and low battery
- **Connects directly to monitor**
- **Does not work with manikin**
- 3-year warranty

Sh. wt. 3 lbs.



SB33608U ZOLL
SB33609U Physio Medtronic and Marquette Quik Combo
SB47353U HeartStart/Phillips with Late VF Waveform
SB37728U Phillips
SB37729U MRL, Welch Allyn R2

Life/form® 15-Lead ECG Placement Trainer

- Teaches up to 15-lead ECG electrode placement anatomically
- Provides visual feedback on the accuracy of electrode placement
- Learn placement of electrodes on adult trainer using anatomical landmarks such as intercostal spaces, midclavicular line, anterior axillary line, midaxillary line, and scapula
- Features connection sites for 4 limb leads and V1 through V9, with the ability to attach right- or left-sided electrodes
- Trainer does not provide ECG output signals, but simulations of rhythms and hands-free defibrillation can be performed by adding any ECG arrhythmia simulator directly to ECG monitor
- Includes adult torso, 15-lead electronics box, power adapter, set of 13 leads, 50 electrodes, 2 C batteries, hard carry case, and instruction manual
- 5-year warranty

LF01300U Sh. wt. 24 lbs.



Left-Side Anterior Placement

Left-Side Posterior Placement

15-Lead Replacement Torso

LF01305U Sh. wt. 4.75 lbs.

15-Lead Electronics Box Replacement

LF01301U Sh. wt. 0.69 lbs.

Power Adapter Replacement

LF01302U Sh. wt. 0.38 lbs.

Electrode Replacements

- Pkg. of 100

LF01304U Sh. wt. 5 lbs.

Lead Replacements

LF01303U Single. Sh. wt. 0.25 lbs.
LF01303(A)U Set of 13. Sh. wt. 2.75 lbs.



Right-Side Anterior Placement

features anatomical landmarks including sternum and rib cage plus substernal notch

Simulaids 12-Lead Arrhythmia Simulator with Manikin Overlay



- Change any medium- or large-sized manikin or simulator into a 12-lead trainer
- Pace and defibrillate directly on the overlay system connected to the interactive 12-lead ECG simulator, included with the overlay
- You may purchase optional defibrillation training cables that allow hands-free defibrillation, with up to 360 joules, as well as electrical capture with your external pacer
- Simulator capture key is used to select 1 of 4 preset pacing capture levels: 70 mA, 80 mA, 90 mA, or 100 mA
- When pacer current is greater than the selected capture level, paced beats will appear on your monitor
- Waveforms for pacing include:
  - o Sinus Brady (2)
  - o 1st degree A-V block
  - o 2nd degree type I A-V block
  - o 2nd degree type II A-V block
  - o 2nd degree type II A-V block with PVCs
  - o 3rd degree A-V block
- Simulate cardioversion with your manual, semiautomatic, or automatic defibrillator
- Waveforms for defibrillator training include:
  - o A. Fib
  - o A. Flutter
  - o Asystole
  - o Sinus rhythm
  - o Sinus rhythm with PVCs
  - o Sinus Tach
  - o Torsade
  - o V. Fib
  - o V. Tach (high rate)
  - o V. Tach (low rate)
  - o zPSVT
- Generate ST segment and T wave of abnormalities, including:
  - o Anterior MI
  - o Anterior ST depression
  - o Antero-Septal ST elevation
  - o Inferior MI
  - o Inferior ST elevation
  - o Lateral ST elevation
- LEDs indicate:
  - o Defib discharge detection
  - o Low battery
  - o Pacer pulse detection
- 3-year warranty

Sh. wt. 4 lbs.

12-000MU Zoll, Medium
12-000LU Zoll, Large
12-001MU Physio, Medium
12-001LU Physio, Large
12-002MU Marquette, Medium
12-006MU Heartstream, Medium
12-006LU Heartstream, Large
12-008LU Heartstart, Large
12-017MU R2, Medium
12-017LU R2, Large

Simulaids Airway Management Trainers



- Teach oral and nasal endotracheal intubation procedures on children
- Both trainers come with teeth, uvula, vocal cords, glottis, epiglottis, larynx, arytenoid cartilage, trachea, esophagus, and inflatable lungs and stomach
- Infant and 3-year-old accept 2.5 mm and 4.0 mm endotracheal tubes respectively
- Each manikin includes a sturdy nylon carry bag and lubricant
- 3-year warranty

Infant Airway Management Trainer with Board
101-115U Sh. wt. 3 lbs.

3-Year-Old Airway Management Trainer with Board
101-125U Sh. wt. 4 lbs.

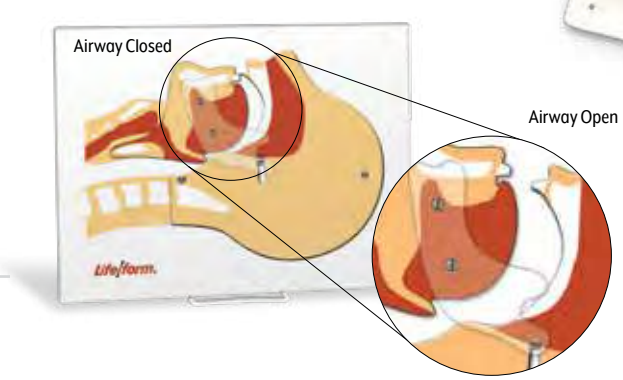
Replacement Lungs/Stomach for Infant
101-121U Pkg. of 3. Sh. wt. 1.25 lbs.

Replacement Lungs/Stomach for 3-Year-Old
101-122U Pkg. of 3. Sh. wt. 1.25 lbs.

Carry Bag for Infant and 3-Year-Old Airway Management Trainers
PP1367U Sh. wt. 1.25 lbs.

Manikin Lubricant
PP0362U 4 oz. Sh. wt. 2 lbs.

Life/form® Airway Simulation Board



- Effectively demonstrate a closed and open airway
- Jaw and head are moveable and show an accurate representation of the head tilt and airway opening or closing
- Head is approximately the same size as a normal adult
- 9½ in. L x 12½ in. W

LF03687U Sh. wt. 1.25 lbs.

Airway Management Training

Life/form® Airway Management Trainers

- Represents an adult with more room to maneuver than the Adult Trainer
- Great trainer for introductory and advanced students
- Trainers simulate non-anesthetized patients for practicing intubation, ventilation, suction, and CPR techniques
- Realistic anatomy and landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach
- Allow practice of oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube® and King System insertion
- Suction techniques and proper cuff inflation may be practiced and evaluated
- Features durable, rugged, one-piece construction and bifurcated lungs
- Manual carotid pulse
- Applying pressure to the cricoid cartilage changes the position of the trachea and closes the esophagus, allowing realistic practice of the Sellick maneuver
- Jaw thrust technique can also be practiced
- 5-year warranty



LF03601U



LF03699U



LF03685U

Life/form® Adult Airway Management Trainer with Stand

- Represents a small adult, making it ideal for practicing more difficult approaches and for training purposes
- Includes head mounted to a sturdy stand, lungs, stomach, pump spray lubricant, and hard carry case

LF03601U Sh. wt. 35 lbs.

Life/form® Adult Airway Management Trainer, Head Only

- Can be attached to any **CPARLENE•**, ***CRiSis***™, or "Airway Larry" manikin
- Teach intubation and basic CPR on the same manikin by simply switching heads
- Lungs and stomach not included

LF03603U Sh. wt. 8 lbs.

Life/form® "Airway Larry" Airway Management Trainer with Stand

- Includes head mounted on sturdy stand, lungs, stomach, pump spray lubricant, instruction manual, and hard carry case

LF03699U Sh. wt. 30 lbs.

Life/form® "Airway Larry" Airway Management Trainer Head Only

- Can be attached to either **CPARLENE•** or ***CRiSis***™ Manikin
- Lungs and stomach not included
- 5-year warranty

LF03667U Sh. wt. 7 lbs.

Life/form® Advanced "Airway Larry" Airway Management Trainer with Stand

- Same features as "Airway Larry" Airway Management Trainer with tongue edema and laryngospasm
- Includes head mounted on a sturdy stand, stomach, lungs, pump spray lubricant, instruction manual, and hard carry case
- Replacement lungs and stomach available

LF03685U Sh. wt. 32 lbs.

Advanced "Airway Larry" Trainer Head Only

- Can be attached to any **CPARLENE•**, ***CRiSis***™, or "Airway Larry" manikin
- Lungs and stomach not included

LF03684U Sh. wt. 7 lbs.

Replacement Lungs

- 1 set

LF03605U Sh. wt. 0.31 lbs.

Replacement Stomach

LF03606U Sh. wt. 0.19 lbs.

Pump Spray Lubricant

- 8-oz. bottle

LF03644U Sh. wt. 0.63 lbs.

Mounting Kit for Adult Airway Management Trainer

- Includes board, lungs, stomach, and hard carry case for Adult Airway Management Trainer Head (LF03603U)

LF03737U Sh. wt. 26 lbs.

Mounting Kit for "Airway Larry" Airway Management Head

- Includes board, lungs, stomach, and hard carry case for "Airway Larry" Airway Management Trainer Head (LF03667U)

LF03735U Sh. wt. 24 lbs.

Hard Carry Case for *Life/form*® Airway Trainers with Stand

- Can be used with LF03699U, LF03685U, and LF03601U, listed above

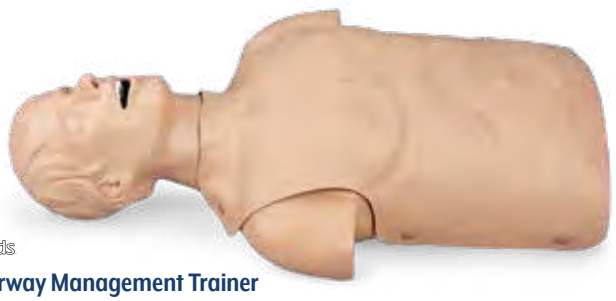
LF03681U Sh. wt. 18 lbs.



Simulaids Economy Adult Airway Management Trainer with Board

- Practice of advanced airway management
- Intubation procedures and skills, including anatomy knowledge and recognition, endotracheal intubation, nasotracheal intubation, use of field emergency airway adjunct tubes like LMAs and Combitube®, securing, suctioning, and maintenance of the installation
- Includes lubricant, instructions, and soft carry bag
- 3-year warranty

101-500U Sh. wt. 10 lbs.



Simulaids Adult Airway Management Trainer

- Anatomical landmarks include the sternum, rib cage, and substernal notch
- Trainer also contains teeth, uvula, vocal cords, glottis, epiglottis, larynx, arytenoid cartilage, trachea, esophagus, and inflatable lungs and stomach
- Allows nasogastric tube placement
- Accepts Combitube®, E.O.A., E.G.T.A., and P.T.L. airways
- Bag-valve mask ventilation
- Includes soft carry bag
- 3-year warranty

101-086U Sh. wt. 20 lbs.

Adult Replacement Lungs/Stomach

101-072U Sh. wt. 2 lbs.

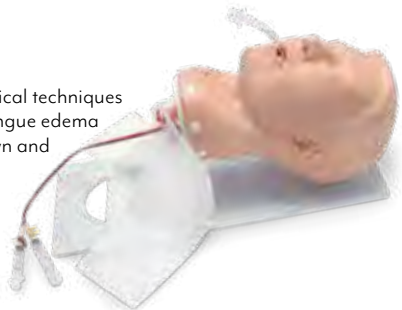


Simulaids Advanced Infant Intubation Head with Board

- Durable, lifelike appearance with the convenience of a lightweight stand
- Material eliminates tearing of the airway, saving the need for costly repairs caused by beginning student intubation attempts
- Translucent property allows for lifelike illumination of the airway and neck as the skill is attempted
- Vocal cords are highlighted for easy viewing, the tongue swells, and all the anatomical landmarks are present
- 3-year warranty

101-130U Sh. wt. 9 lbs.

Simulaids Adult Deluxe Airway Management Trainer with Board



- Practice cricothyrotomy and other surgical techniques
- Features include laryngospasm and tongue edema
- All the anatomical landmarks are shown and the vocal cords are in a neutral position and highlighted
- Upper teeth break out
- Cricoid area replacement skin allows to teach and practice surgical airway techniques
- All of the standard adjuncts for airway maintenance work in this model
- No carotid pulse
- Latex-free
- 3-year warranty

101-502U Sh. wt. 12 lbs.

PDA STAT Adult Deluxe Airway Management Head

101-459U Sh. wt. 10 lbs.

Adult Deluxe Airway Management Head Only

- Can also be used as a replacement for STAT and PDA STAT heads

101-306U Sh. wt. 10 lbs.

Cricothyrotomy Replacement Skin (10 pk.)

101-424U Sh. wt. 0.56 lbs.

Simulaids Adult Airway Management Trainer with Board



- Sculpted alveolar sac, bronchial tree, and blood vessel structures of the cross-sectioned and exposed flexible lungs, to the interior main bronchus and oral/nasal pharyngeal spaces
- Breakout teeth, tongue edema, and laryngospasm
- Stomach swells with esophageal intubation, or excessive pressure with the BVM during rescue breathing
- Vomiting capability
- Includes instructions for use, hard carry case, and lubricant
- 3-year warranty

101-501U Sh. wt. 42 lbs.

Soft Carry Bag

PP4625U Sh. wt. 2.25 lbs.

Simulaids Airway Trainer

- Handheld device offers a convenient and affordable method to show the sizing and installation of upper airway devices such as oropharyngeal, nasopharyngeal, and larynx mask airways

101-078U Sh. wt. 2 lbs.



101-078U



101-062U

Simulaids Infant Airway Trainer

- Convenient, affordable handheld device
- Provides a method to demonstrate the sizing and intubation of upper airway devices such as oropharyngeal, nasopharyngeal, and larynx mask airways

101-062U Sh. wt. 1.25 lbs.

Airway Management Training



Life/form® Child Airway Management Trainer with Stand

- Simulated head of a 5-year-old child featuring realistic size and anatomy
- Perfect for practicing airway management skills on pediatric patients
- Realistic anatomy includes mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and esophagus
- Separate lungs for auscultation
- Manual carotid pulse
- Inflatable stomach to indicate esophageal insufflation
- Practice suctioning as well as oral, nasal, and intubation techniques
- Includes lungs, stomach, pump spray lubricant, instruction manual, and hard carry case
- 5-year warranty

LF03609U Sh. wt. 17 lbs.



LF03762U

Life/form® Advanced Child Airway Management Trainer with Stand

- Same features as ***Life/form***® Child Airway Management Trainer on Stand with tongue edema and laryngospasm
- Includes lungs, stomach, pump spray lubricant, and hard carry case and instruction manual
- 5-year warranty

LF03762U Sh. wt. 18 lbs.





Life/*form*® Infant Airway Management Trainer with Stand

- Features realistic size and anatomy and is perfect for practicing airway management skills on an infant
- Includes head mounted on sturdy stand, lungs, stomach, pump spray lubricant, instruction manual, and hard carry case
- 5-year warranty

LF03623U Sh. wt. 16 lbs.

Life/*form*® Infant Airway Management Trainer, Head Only

- Can be attached to Basic Infant ***CRiSis***™ manikin
- Includes pump spray lubricant and instruction manual
- Lungs and stomach not included
- 5-year warranty

LF03621U Sh. wt. 2.50 lbs.

Replacement Stomach

LF03598U Sh. wt. 0.06 lbs.

Replacement Lung Set

LF03599U Sh. wt. 0.06 lbs.



Life/*form*® Advanced Child Airway Management Trainer, Head Only

- Same features as LF03608U above, plus this trainer offers tongue edema and laryngospasm features
- Separate lungs can be added for auscultation
- Can be attached to any of the ***Life/form***® Child Airway Management Trainers or Child ***CRiSis***™ Manikins
- Lungs and stomach not included
- Pump spray lubricant included
- Manual carotid pulse
- 5-year warranty

LF03593U Sh. wt. 3.50 lbs.

Replacement Lungs Set, Child

LF03627U Sh. wt. 0.19 lbs.

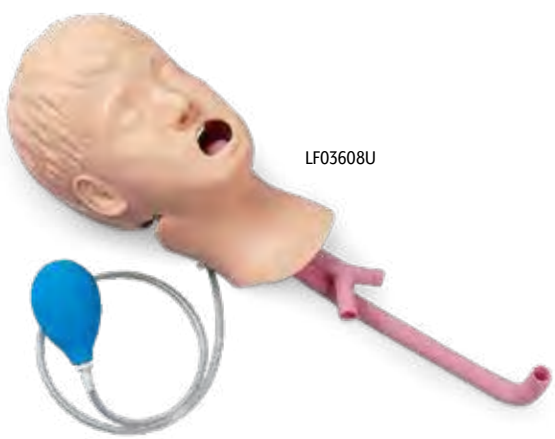
Replacement Stomach, Child

LF03628U Sh. wt. 0.19 lbs.

Pump Spray Lubricant

- 8-oz. bottle

LF03644U Sh. wt. 0.63 lbs.



LF03608U



LF03610U

Life/*form*® Child Airway Management Trainer, Head Only

- Can be attached to any of the ***Life/form***® Child Airway Management Trainers or Child ***CRiSis***™ Manikins
- Lungs and stomach not included
- Pump spray lubricant included
- Manual carotid pulse
- 5-year warranty

LF03608U Sh. wt. 5 lbs.

Life/*form*® Child Airway Management Trainer Head with Lungs and Stomach

- Includes head, chest plate, lungs, stomach, and pump spray lubricant
- Manual carotid pulse

LF03610U Sh. wt. 7 lbs.

Airway Management Training

Life/form® Child S.A.L.A.D. Simulator

- Suction Assisted Laryngoscopy and Airway Decontamination (S.A.L.A.D.) simulator uses suction to enhance first pass success-laryngoscopy (FPS-L) with a non-anesthetized patient in active emesis
- Simulates a non-anesthetized patient for practicing intubation, ventilation, and suction
- Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L, L.M.A., Combitube®, and King System insertion
- Permits suction techniques, and proper cuff inflation with active emesis
- Anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, esophagus, and cricoid cartilage
- Offers room to maneuver and a slightly anterior position, making the simulator great for introductory classes as well as advanced students
- Apply cricoid pressure to change the position of the trachea and close the esophagus
- Rigid suction catheter distracts lower mandible and tongue to permit laryngoscope insertion
- Realistically practice the Sellick maneuver
- Manual carotid pulse
- Includes Child Airway Management Trainer Head, suction canister with 2 right angle tubing adapters, gallon container with hand pump, 2 simulated latex-free lungs, thickener, rigid suction catheter, two 3-ft. lengths of clear vinyl tubing, pump spray lubricant, 5 red caps with white fittings, tubing couplings, 6 pinch clamps, #10 spanner bit, neck ring with 2 wing nuts and 2 plastic-headed thumb screws, neck adapter with 2 plastic-headed thumb screws, safety cap, case handle with 2 pins, and carrying case with telescoping handle
- 5-year warranty

LF03506U Sh. wt. 22 lbs.



Laryngoscope not included.

Tubing Replacement Kit

- Includes two 3-ft. lengths of clear vinyl tubing, 2 tubing couplings, 6 pinch clamps, 2 open red caps with white adapters, 3 closed red caps with 2 white adapters, and four 2 in. L plastic tubes

LF03507U Sh. wt. 1.25 lbs.

Replacement Lungs

- Set of 2

LF03508U Sh. wt. 0.50 lbs.

Life/form® S.A.L.A.D. Simulator

- Suction Assisted Laryngoscopy and Airway Decontamination (S.A.L.A.D.) simulator uses suction to enhance first pass success-laryngoscopy (FPS-L) with a non-anesthetized patient in active emesis
- Simulates a non-anesthetized patient for practicing intubation, ventilation, and suction
- Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L, L.M.A., Combitube®, and King System insertion
- Permits suction techniques, and proper cuff inflation with active emesis
- Anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, esophagus, and cricoid cartilage
- Offers room to maneuver and a slightly anterior position, making the simulator great for introductory classes as well as advanced students
- Apply cricoid pressure to change the position of the trachea and close the esophagus
- Rigid suction catheter distracts lower mandible and tongue to permit laryngoscope insertion
- Realistically practice the Sellick maneuver
- Manual carotid pulse
- Includes "Airway Larry" Adult Airway Management Trainer Head, suction canister with 2 right angle tubing adapters, gallon container with hand pump, 2 simulated latex-free lungs, thickener, rigid suction catheter, two 3-ft. lengths of clear vinyl tubing, pump spray lubricant, 5 red caps with white fittings, tubing couplings, 5 pinch clamps, #10 spanner bit, and carrying case with handle
- 5-year warranty

LF03500U Sh. wt. 22 lbs.



Rigid suction catheter distracts lower mandible and tongue to permit laryngoscope insertion.

Rigid Suction Tool

LF03501U Sh. wt. 0.38 lbs.

Suction Canister

LF03502U Sh. wt. 2.50 lbs.

Gallon Container with Hand Pump

LF03503U Sh. wt. 2 lbs.

Replacement Lungs

LF03504U Set of 2. Sh. wt. 0.56 lbs.

Replacement Kit

Includes two 3-ft. lengths of clear vinyl tubing, tubing coupling, 5 pinch clamps, and 5 red caps with white adapters.

LF03505U Sh. wt. 1.25 lbs.

SSCOR VX-2® Flat Back Suction Unit

- Performs a full range of suction procedures
- Adjust negative pressure to any point between <50 mmHg to >525 mmHg
- Suction canister is well protected yet easily accessible
- IPX4 rated for resistance to ingress of fluids
- Internal battery care system with external indicators
- Ramps up incoming current to fully charge the battery
- Provides a float charge when the battery is fully charged to avoid overcharging
- Disconnects a depleted battery to avoid destructive deep discharge
- LED indicators on front panel show battery condition
- Sealed lead acid battery makes replacing the battery affordable
- Not recommended for hospital use
- Includes DC cable, AC/DC converter, canister, 6⁹⁄₁₆-ft. (2 m) patient tube, Hi-D® suction tip, and CD manual
- Included charger will only charge the battery purchase Universal Input Charger below to power the unit while operating in lieu of the battery
- 17 in. L x 5¼ in, W x 9 in, H

SB52301U Sh. wt. 16 lbs.



Universal Input Charger

- 100-240V AC

SB52300U Sh. wt. 1.25 lbs.



LF03663U

Life/form® Child Airway Management Trainers

- Simulates a 5-year-old child
- Practice intubation, ventilation, suction, CPR, and jaw thrust techniques
- Realistic anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false and true vocal cords, trachea, lungs, esophagus, and stomach
- Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube®, and King System insertion
- Separate lungs for auscultation
- Manual carotid pulse
- Inflatable stomach indicates esophageal insufflation
- 5-year warranty

Life/form® Child Airway Management Trainer Torso

- Includes pump spray lubricant and instruction manual

LF03633U Sh. wt. 21 lbs.

Life/form® Child Airway Management Trainer Torso with Advanced Airway Management

- Includes all of the same quality features as the Child Airway Management Trainer Torso with the addition of laryngospasms (manual) and tongue edema (manual)

LF03663U Sh. wt. 24 lbs.

Replacement Lung Set

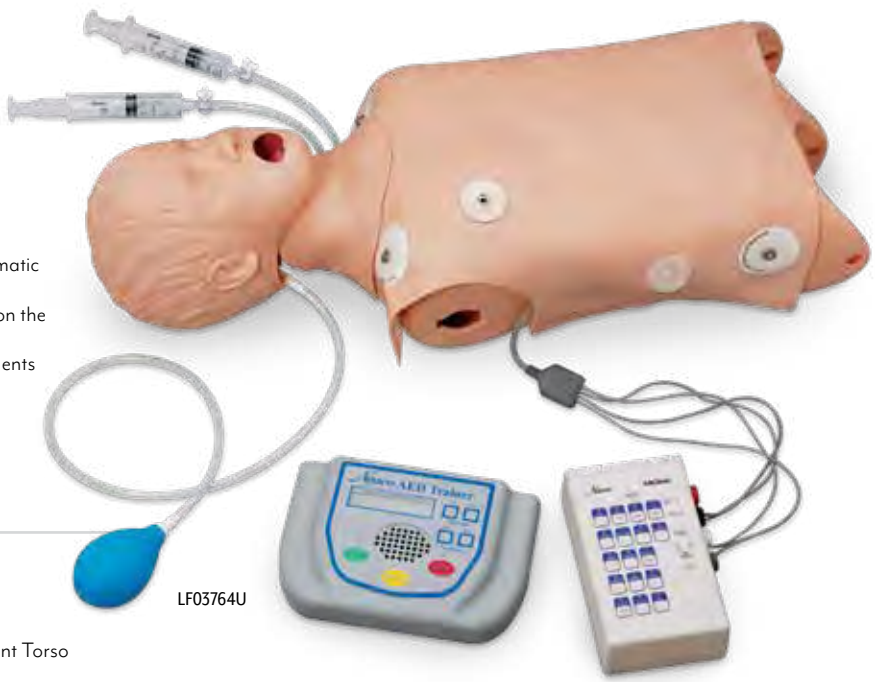
LF03627U Sh. wt. 0.19 lbs.

Replacement Stomach

LF03628U Sh. wt. 0.19 lbs.

Hard Carry Case

LF03467U Sh. wt. 16 lbs.



LF03764U

Life/form® Advanced Child CPR/Airway Management Torso with Defibrillation Features

- Practice defibrillation using standard manual, automatic, or semi-automatic external monitor defibrillators
- Offers tongue edema and laryngospasm in addition to all the features on the standard models
- Internal load box absorbs the full strength of every shock to protect students and equipment
- Compatible with all standard brands of defibrillators, monitors, and patient simulators
- 4 ECG sites and 2 defibrillation sites
- Includes pump spray lubricant and instruction manual

LF03763U Sh. wt. 21 lbs.

Life/form® Advanced Child Airway Management Torso with Defibrillation, ECG, and AED

- Same features as the ***Life/form***® Advanced Child Airway Management Torso with Defibrillation
- Includes the Interactive ECG Simulator, Universal AED Trainer, pump spray lubricant, and instruction manual

LF03764U Sh. wt. 46 lbs.

Pediatric AED Training Pads

LF03744U Pkg. of 5 pairs. Sh. wt. 1.25 lbs.

Electrode Harness

LF03745U Sh. wt. 0.19 lbs.



Simulaids Pneumothorax Simulator

- Practice properly inserting a needle to permit built-up air pressure to escape the thorax
- Develop the needed skills before administering to a live patient
- Accepts needle thoracotomy in the second intercostal space in the midclavicular line, or the fifth intercostal space in the mid-axillary line
- Complete with replaceable lungs, a rib cage, and a soft, lifelike replaceable skin
- Unit can be punctured 75 to 100 times before replacement is necessary
- 3-year warranty

150-1800U Sh. wt. 9 lbs.

Replacement Lung

150-1805U Sh. wt. 2 lbs.

Replacement Skin

150-1801U Sh. wt. 3 lbs.

Pneumothorax Replacement Pump

150-1804U Sh. wt. 1.25 lbs.

Simulaids Deluxe Cricothyrotomy Simulator

- Designed for needle or surgical cricothyrotomy
- Landmarks include thyroid cartilage, cricoid cartilage, and cricoid membrane
- Inflation of simulated lung verifies correct placement
- Includes adult and 3-year-old tracheas, 4 overlay skins, and soft carry bag
- Dimensions: 12 in. L x 8⅟in. W x 9½ in. H
- 3-year warranty

101-135U Sh. wt. 4 lbs.

Adult Airway with Lung

- Pkg. of 4

101-132U Sh. wt. 2 lbs.

Adult Trachea

101-137U Sh. wt. 1.25 lbs.

3-Year-Old Airway with Lung

- Pkg. of 4

101-133U Sh. wt. 1.25 lbs.

3-Year-Old Trachea

101-138U Sh. wt. 1.25 lbs.

Overlay Skin

- Pkg. of 4

101-136U Sh. wt. 2 lbs.

Handheld Overlay Skin

- Pkg. of 2

101-131U Sh. wt. 2 lbs.



perform needle or surgical cricothyrotomy procedures

Life/form® Cricothyrotomy Simulator

- Paramedics, EMTs, combat medics, flight nurses, anesthesiologists, and other emergency medical personnel will have the opportunity to strengthen ability and confidence to perform or assist in implementing surgical airways
- Anatomically accurate landmarks aid in site training and allow for fast action
- Hyperextended neck allows the user to determine the proper incision site
- Trachea in the simulator is replaceable, as the airway passes completely through from top to bottom
- Allows checking the stylet and obturator placement once the incision has been made
- Complete with a chin and full-size neck, ties can be used to hold the obturator in a secure position
- Inflation of the simulated lung verifies correct placement
- Includes the simulator with base, 6 replaceable neck skins, 6 adult trachea inserts (4 rigid, 2 soft), 6 child trachea inserts (4 rigid, 2 soft), 1 simulated lung, instruction manual, and hard carry case
- 5-year warranty

LF00994U Sh. wt. 20 lbs.



Replacement Neck Skins

- Pkg. of 6

LF00994(A)U Sh. wt. 2 lbs.

Adult Replacement Trachea Inserts

- Pkg. of 6
- Includes 4 rigid and 2 soft inserts

LF00994(B)U Sh. wt. 1.25 lbs.

Child Replacement Trachea Inserts

- Pkg. of 6
- Includes 4 rigid and 2 soft inserts

LF00994(C)U Sh. wt. 1.25 lbs.

Life/form® Pericardiocentesis Simulator with Chest Tube and Pneumothorax

- Designed specifically to teach the skills needed to perform this difficult procedure correctly, as well as ongoing chest tube maintenance and the management of pre-hospital chest trauma
- Pressurized tension pneumothorax site and a site for the surgical placement of a functional chest tube
- Fluid color, volume, and viscosity can be varied
- May be used with any commercially available closed water seal drainage unit
- Pericardiocentesis may be performed in the left subxiphoid space and in the left fifth intercostal space
- Accurate placement of the needle will allow for the withdrawal of fluid from the simulated pericardium
- Includes fluid reservoir bag, foot pump, surgical skin pads, subcutaneous surgical pads, nurse training pads, pneumothorax pads, blood powder, thickener, simulated pericardium, IV bag, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty

LF03769U Sh. wt. 27 lbs.



designed to teach the skills needed to manage pre-hospital chest trauma



Life/form® Chest Tube Manikin

- Right side of the manikin has 2 cut-away viewing areas to provide awareness of the anatomical relationships between the skin surface, musculature, ribs, and lungs
- Left side has a pressurized tension pneumothorax site to relieve air that has accumulated within the pleural space and is restricting lung inflation
- Also a site where chest tubes may be surgically placed to treat pleural effusion by draining fluids from the pleural space
- Fluid color, volume, and viscosity can be varied
- Perfect for teaching the concepts and mechanics of closed water-seal drainage systems like “Pleur-Evac” type units
- Includes 2 visual sites for chest tube maintenance, 5 replaceable surgical chest tube sites, 5 replaceable pneumothorax chest pads, instruction manual, and hard carry case
- Chest tubes or water-seal drainage system not included
- 5-year warranty

LF03770U Sh. wt. 30 lbs.

Surgical Skin Pads

- Rotating pad allows multiple cuts to be made
- Pkg. of 5

LF03771U Sh. wt. 0.94 lbs.

Subcutaneous Surgical Pads

- Pkg. of 5

LF03772U Sh. wt. 1.25 lbs.

Pneumothorax Chest Pads

- Pad allows multiple needle sticks
- Pkg. of 5

LF03773U Sh. wt. 0.56 lbs.

Simulated Pericardium

- Pkg. of 10

LF03768U Sh. wt. 0.88 lbs.

Replacement Chest Tube Reservoir Bags

LF03778U Sh. wt. 0.25 lbs.

Thickener

LF03774U Sh. wt. 0.31 lbs.

Blood Powder

LF03775U Sh. wt. 0.19 lbs.

Nasco Cleaner

LF09919U Sh. wt. 0.88 lbs.

CPR Simulators



SB51894(L)U

Gaumard® 5-Year-Old CPR and Trauma Care Simulator

- Airway blocked when head is forward
- Bends at waist
- Carotid and femoral arterial pulse points
- Custom nylon carrying bag
- Detachable at waist for easy storage
- Easily accessible chest cavity with molded rib cage, lungs, and heart
- Eyes open and close in realistic eye sockets for ophthalmic purposes
- Exercise suit
- Fully articulating head and jaw with teeth and tongue
- Individual disposable airways to practice hygienic mouth-to-mouth ventilation
- Instruction manual
- Jointed elbows, wrists, knees, and ankles
- OMNI® Code Blue® pack monitors and logs the cadence and depth of cardiac compression and airway ventilation
- 1 normal eye and 1 dilated eye
- Practice nasal intubation and placement
- Practice regular or Vest CPR
- Realistic chest rise during ventilation
- Realistic hands, feet, fingers, and toes
- Soft, lifelike face skin with molded hair

Sh. wt. 27 lbs.

SB51897(L)U Light **SB51897(M)U** Medium **SB51897(D)U** Dark



Gaumard® Advanced 5-Year-Old CPR and Trauma Care Simulator

Includes the features listed above, plus:

- Brachial arterial pulse sites
- Femoral venous site
- Intramuscular (IM) injection sites on the deltoids and quadriceps
- Intraosseous infusion system with realistic tibia bones
- Training arm and hand for intravenous, intramuscular, and subcutaneous access
- T-shirt and shorts

Sh. wt. 27 lbs.

SB51894(L)U Light **SB51894(M)U** Medium **SB51894(D)U** Dark





SB51896(L)U

Gaumard® 1-Year-Old CPR and Trauma Care Simulator

- Airway blocked when head is forward
- Bilateral brachial, right femoral, and left posterior tibial pulses
- Custom nylon carrying bag
- Easily accessible chest cavity with molded rib cage, lungs, and heart
- Eyes open and close in realistic eye sockets for ophthalmic purposes
- Fully articulating head and jaw with teeth and tongue
- Individual disposable airways to practice hygienic mouth-to-mouth ventilation (10)
- Instruction manual
- Intramuscular (IM) injection sites on the quadriceps
- OMNI® Code Blue® pack monitors and logs the cadence and depth of cardiac compression and airway ventilation
- 1 normal eye and 1 dilated eye
- Practice regular or Vest CPR
- Realistic chest cavity provides anatomic landmark as well as chest compliances
- Realistic chest rise during ventilation
- Soft, lifelike face skin with molded hair
- T-shirt and shorts

Sh. wt. 14 lbs.

SB51895(L)U Light **SB51895(M)U** Medium **SB51895(D)U** Dark





Gaumard® Advanced 1-Year-Old CPR and Trauma Care Simulator

Includes the features listed above, plus:

- Femoral venous site
- Intraosseous infusion system with realistic tibia bones

Sh. wt. 14 lbs.

SB51896(L)U Light **SB51896(M)U** Medium **SB51896(D)U** Dark

Gaumard® Susie® and Simon® Newborn CPR Full-Body with OMNI® Code Blue® Pack

- Arterial pulse points
- Bilateral brachial, right femoral, and left posterior tibial pulses
- Custom nylon carrying bag
- Diaper and body suit
- Fully articulating head and jaw with tongue
- Instruction manual
- OMNI® Code Blue® pack monitors and logs the cadence and depth of cardiac compression and airway ventilation
- Practice compressions and airway ventilation
- Realistic chest cavity provides anatomic landmark as well as chest compliance
- Realistic chest rise during ventilations
- Realistic eyes, hands, fingers, and toes
- Soft, lifelike face skin with molded hair
- T-shirt and shorts
- 10 SAFE CPR™ individual disposable airways to practice hygienic mouth-to-mouth ventilation

Sh. wt. 9 lbs.

SB51898(L)U Light **SB51898(M)U** Medium **SB51898(D)U** Dark



SB51898(M)U

Gaumard® Advanced Susie® and Simon® Newborn CPR Torso

Includes the features listed above, plus:

- Femoral venous site
- Intraosseous infusion and injection system with realistic tibia bones

Sh. wt. 9 lbs.

SB51899(L)U Light **SB51899(M)U** Medium **SB51899(D)U** Dark



SB51899(L)U

Gaumard® skin tones available: Light Medium Dark



CPR Simulators

Gaumard® Pedi® Newborn Simulator for Advanced Life Support

- Realistic intubatable airway, an injection training arm, an intraosseous infusion system, and numerous venous and arterial sites
- Features fully articulating head, neck, and jaw permitting head tilt/chin lift, jaw thrust, and neck extension into the "sniffing" position; realistic, intubatable airway with cricoid cartilage, allowing the Sellick maneuver; trachea, bronchi, lungs, and distensible stomach; injection training arm with numerous venous/arterial sites; intraosseous infusion and injection system with realistic tibial bones; T-shirt and shorts; instruction manual; and custom nylon carry bag
- 23 in. L x 8½ in. W (shoulder width)

Sh. wt. 14 lbs.

SB27318(L)U Light
SB27318(M)U Medium
SB27318(D)U Dark



SB27318(L)U

Gaumard® CPR Simon Full-Body Simulator

Includes all the features listed above, plus:

- Femoral arterial pulse sites
- Femoral venous site
- Intramuscular (IM) injection sites on the deltoids, quadriceps, and left gluteus medius

Sh. wt. 26 lbs.

SB51892(L)U Light
SB51892(M)U Medium
SB51892(D)U Dark

Gaumard® skin tones available: Light Medium Dark



Gaumard® CPR Simon® Torso Simulator with OMNI® Code Blue® Pack

- Airway allows the passage of a cuffed ET tube
- Airway blocked when head is forward
- Carotid pulse sites
- Carrying bag
- Detachable at waist for easy storage
- Disposable airways (10)
- Easily accessible chest cavity with rib cage, lungs and heart for realism and practice of the Heimlich maneuver
- Eyes open and close; 1 pupil is dilated
- Fully articulating head, neck, and jaw permitting head/tilt, chin lift, jaw thrust, and neck extension into the "sniffing" position
- Instrumented for OMNI® Code Blue®/CPR Link™, which monitor the cadence and depth of cardiac compression and airway ventilation
- Realistic chest cavity containing realistic organs
- Realistic chest rise during ventilation
- Realistic hands and fingers
- Totally disposable airways to practice hygienic mouth-to-mouth ventilation
- Instruction manual

Sh. wt. 26 lbs.

SB51893(L)U Light
SB51893(M)U Medium
SB51893(D)U Dark



Life/form® Child Intraosseous Infusion/Femoral Access Leg



- Features for intraosseous infusion practice include palpable landmarks including the patella, tibia, and tibial tuberosity; replaceable bones and skin; and a pressurized system to allow aspiration of fluid
- Femoral access features include palpable arterial pulse, realistic flashback from pressurized venous system, replaceable injection pad, and an articulated leg that allows proper positioning
- Includes I/O replaceable bone inserts, 2 leg skins, 2 bottles of blood, liquid lubricant, lubricating jelly, IV bag, syringe with tubing, wax, 2 towelettes, 15-gauge intraosseous infusion needle, instruction manual, and carry case
- Fluid supply stand not included
- 5-year warranty

LF03632U Sh. wt. 20 lbs.

Intraosseous Replacement Bones
- Pkg. of 10

LF03618U Sh. wt. 2.50 lbs.

Femoral Replacement Injection Pad

LF03626U Sh. wt. 0.50 lbs.

Intraosseous Replacement Skin
- Pkg. of 2

LF03619U Sh. wt. 0.75 lbs.

Intraosseous Infusion Needle
- 15 gauge

LF03683U Sh. wt. 0.19 lbs.

Simulated Blood Mixture

LF01111U Sh. wt. 1.50 lbs.

Fluid Supply Stand
- 5 in. x 8 in. base, 5⁄16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag
- 500 ml

LF01130U Sh. wt. 0.31 lbs.

I/O Fluid System

LF01114U Sh. wt. 0.25 lbs.

Lubricating Jelly
- Use to thicken blood, if desired

LF01116U Sh. wt. 0.38 lbs.

Life/form® Intraosseous Infusion Simulator



LF01108U





LF03683U

- Demonstrate and simulate the intraosseous infusion procedure
- PALS programs will find this teaching aid convenient
- Bones used in the model have been designed with 4 sides, each side having the ability to be punctured several times
- Palpable landmarks, including patella, tibia, and tibial tuberosity, are located in both legs
- Both legs have also been designed so that aspiration is possible
- Represents a 6-month-old infant
- Includes 10 replaceable bone inserts, 2 sets of replacement leg skins, 2 white towelettes, syringe with tubing, wax, liquid lubricant, lubricating jelly, instruction manual, pint of artificial blood, needle, and hard carry case
- 5-year warranty

LF01108U Sh. wt. 11 lbs.

Bone Replacement Kit
- Pkg. of 10

LF01109U Sh. wt. 1.25 lbs.

Skin Replacement Kit
- Pkg. of 2 pair

LF01110U Sh. wt. 0.44 lbs.

I/O Fluid System

LF01114U Sh. wt. 0.25 lbs.

Intraosseous Infusion Needle
- 15 gauges

LF03683U Sh. wt. 0.19 lbs.

Single Intraosseous Leg Replacement Skin (Pkg. of 4) and Bones (Pkg. of 10)

LF03625U Sh. wt. 0.88 lbs.

Single Intraosseous Leg Skin Replacement Kit
- Pkg. of 4

LF03624U Sh. wt. 0.81 lbs.

Simulated Blood Mixture

Sh. wt. 1.50 lbs.

LF01111U

Fluid Supply Stand
- 5 in. x 8 in. base, 5⁄16 in. steel hooked rod

LF01022U Sh. wt. 4 lbs.

Fluid Supply Bag
- 500 ml

LF01130U Sh. wt. 0.31 lbs.

Lubricating Jelly
- Use to thicken blood, if desired

LF01116U Sh. wt. 0.38 lbs.

Nasco Cleaner
- Use to remove stubborn stains from ***Life/form***® simulators
- 12-oz. bottle

LF09919U Sh. wt. 0.88 lbs.

Life/form® Single Intraosseous Infusion Leg



- A single leg with the ability to be placed on the ***Life/form***® Infant ***CRiSis***™ manikin
- Includes 10 replaceable bones, 2 sets of replacement skins, and a fluid administration kit enabling you to visualize a flashback and infuse fluid into the leg
- Intraosseous infusion needle included
- 12 in. x 10 in. x 4 in.
- 5-year warranty

LF03622U Sh. wt. 2.50 lbs.

Intraosseous Infusion Simulators



Life/form®
Adult Intraosseous Infusion Simulator

- Enhance training of intraosseous infusion procedures using B.I.G.™ and EZ-IO™ devices or almost any other intraosseous infusion devices available
- Fluid capable and a blood source is accessible through the injection site
- Includes palpable landmarks, replaceable bones and skin, and a pressurized system to allow aspiration of fluid
- Includes 10 replaceable simulated bones, 4 replaceable skin pads, simulated blood, lubricating jelly, towels, I/O needle, syringe with tubing, and hard carry case
- 5-year warranty

LF03830U Sh. wt. 14 lbs.

Replacement Adult I/O Skin Pads
- Set of 4

LF03832U Sh. wt. 0.88 lbs.

Replacement Adult I/O Bones
- Set of 10

LF03831U Sh. wt. 2.75 lbs.





Simulaids Intraosseous Leg, Adult

- Intraosseous access to the proximal tibia
- Enhance training and understanding of procedures associated with B.I.G.™ and EZ-IO™ devices
- I/O leg is not fluid capable and no blood source is accessible through the injection site
- Can also be attached to the STAT Simulators

101-442U Sh. wt. 4.50 lbs.

I/O Leg Skin
- Pkg. of 10

101-421U Sh. wt. 1.25 lbs.

I/O Bone Insert
- Pkg. of 10

101-414U Sh. wt. 2.25 lbs.

Replacement Stand

101-042U Sh. wt. 3.50 lbs.

Life/form® Adult Sternal Intraosseous Infusion Simulator



- Demonstrate, simulate, and prepare for use of the sternal intraosseous approach
- Created with the consultation of experts that developed this technique, incredible realism and accurate landmarks will allow students to simulate this life-saving procedure with skill, confidence, and accuracy
- Uses a replaceable bone that is designed to be rotated and punctured several times, extending the life of the simulator
- Sternum may be filled with simulated blood to better visualize true flashback
- Includes 10 replaceable simulated bones that should allow at least 10-12 punctures, syringe with tubing, blood mixture, and a carry case
- 5-year warranty

LF04200U Sh. wt. 19 lbs.

Sternal Bone Replacement

LF04202U Pkg. of 20. Sh. wt. 0.19 lbs.

Simulated Blood Mixture

LF01111U Sh. wt. 1.50 lbs.

Simulaids Humerus Intraosseous (I/O) Trainer

- Presents 3 orientations that can be demonstrated to provide the correct simulation for application
- Includes the correct hallmarks, which are needed to provide accurate and safe access for fluid administration
- Easy-to-access replacement bone section

101-205U Sh. wt. 32 lbs.

Replacement Pads and Bones
- Pkg. of 3 pads and 3 bones

101-206U Sh. wt. 1.25 lbs.



101-206U



101-205U



Strategic Operations (STOPS) 6-in-1 T3C Trainer – US only

The 6-in-1 Tactical Combat Casualty Care (T3C) Trainer is comprised of a Hyper-Realistic™, anatomically similar male head and upper torso. It is constructed with a skeleton that utilizes user-repairable body skin, neck skins, tracheas, and user-replaceable intraosseous training pucks.

Procedures available on this system include the following:

- Nasopharyngeal Airway (NPA) Adjunct Insertion (with Oropharyngeal visual confirmation of proper measurement and placement)
- Clearing upper airway of obstructions (i.e. finger-sweep) with Oropharyngeal airway measurement and placement
- Surgical airways (Quick-Trach®, Cricothyroidotomy, Cricothyroidcentesis, etc.)
- Chest Needle Thoracentesis
- Sternal Intraosseous Catheter Insertion
- Proximal Humerus Intraosseous Catheter Insertion

6N1-TRNR Sh. wt. 44 lbs.










STOPS Tactical Combat Casualty Care (T3C/EMS) Cut Suit – US only

The main goals of Tactical Combat Casualty Care (T3C) are to treat the casualty, prevent additional casualties, and complete the mission. The T3C Cut Suit is specially suited to accomplish these goals in training. It allows medical providers to treat the three primary causes of death on the battlefield on a live human casualty; uncontrollable hemorrhage, airway compromise, and tension pneumothorax. The frame has been streamlined to minimize the wearer profile, increasing the Hyper-Realism of any training scenario. The T3C Cut Suit is completely user-customizable and user-repairable, minimizing costly repairs and long term reoccurring costs.













Features unique to the T3C Cut Suit:

- The system can be worn during even intensely physical scenarios at the Point of Injury (POI)
- The system weighs approximately 20 lbs.
- Clothing, uniform, body armor, and equipment is usable
- The system allows for interaction with a live human during the emergency assessment and treatment process
- The skin is user repairable
- User created and customizable wounds thyroidotomy, Cricothyroidcentesis, etc.
- Chest Needle Thoracentesis
- Sternal Intraosseous Catheter Insertion
- Proximal Humerus Intraosseous Catheter Insertion

Procedures currently available on the T3C Cut Suit:

- Extremity hemorrhage control with tourniquet application, arterial ligation/clamping, internal compression (wound- void packing)
- Surgical Cricothyroidotomy
- Bilateral anterior and axillary chest needle thoracentesis
- Bilateral surgical chest-tube thoracotomy
- Suturing and stapling of skin
- Peripheral IV access
- Sternal intraosseous IV access
- Peripheral IV medication administration

CS-TC3/EMSU Sh. wt. 140 lbs.



MOULAGE

Casualty Simulation..... **M-2 – M-7**
Xtreme Trauma Deluxe Moulage Kit..... **M-3**
Simulated Burns ..... **M-8 – M-9**
Moulage Kits..... **M-11 – M-15**
STOPS..... **M-14**
Wounds/Supplies..... **M-16**

Be
READY



Casualty Simulation

Simulaids Forensic Wound Simulation Training Kit

- Contains a series of wounds created specifically for teaching crime scene analysis and forensic scene reconstruction
- Details are designed to determine type of weapon, direction of force, and other related details that only come with realistic trauma reproduction
- Kit contains carefully sculpted models of injuries taken from actual victim's wounds and reviewed by forensic education professionals, ensuring real-scene representations of trauma commonly found on violent crime victims
- Injuries range from simple puncture wounds associated with sharp instrument trauma to firearms entry and exit wounds
- Kit also includes moulage wax, coagulant blood, and a selection of makeup for bruising, blanching, and lividity
- Packaged in a sturdy carrying case
- 21 in. x 13 in. x 15 in.



Wound Contents:

- Bite complete (800-729U)
- Bite partial (800-725U)
- Blunt bat (800-728U)
- Bunny ears (800-731U)
- Compound fracture humerus (800-830U)
- Contact gunshot (800-723U)
- Contact handgun (800-735U)
- Contact wound (800-732U)
- Double-edge knife (800-730U)
- Ecchymosis (800-717U)
- Exit gunshot (800-722U)
- Exit wound, large (800-734U)
- Exit wound, small (800-733U)
- Foreign body protrusion (800-901U)
- Hesitation (800-726U)
- Ice pick (800-736U)
- Intermediate range (800-720U)
- Intermediate range flake (800-715U)
- Intermediate range round (800-716U)
- Large compound fracture (800-908U)
- Large laceration (800-903U)
- Medium laceration (800-904U)
- Pattern ligature (800-712U)
- Petechiae (800-719U)
- Screwdriver (800-724U)
- 2nd degree burn (800-914U)
- Shotgun (800-714U)
- Shotgun close range (800-721U)
- Single-edge knife (800-727U)
- Slash (800-713U)

800-700U Sh. wt. 14 lbs.





Simulaids Xtreme Trauma Moulage Kit

- Represents wounds that result from explosions and chemical disasters
- Simulated trauma wounds assist in training exercises for military and government responders, as well as anyone providing treatment to victims injured in disasters and war

Moulages:

- Bleeding exposed denture avulsion (800-608U)
- Bleeding major muscle laceration (800-616U)
- Bleeding open ankle dislocation (800-618U)
- Bleeding open humerus fracture (800-607U)
- Bleeding open rib fracture (800-603U)
- Bleeding skin laceration (800-614U)
- Bleeding open skull fracture (800-609U)
- Bleeding open wrist fracture (800-602U)
- Burned face (800-613U)
- Dorsal hand 4th degree chemical burn (800-606U)
- Half-face chemical burn (800-604U)
- Right hand 4th degree chemical burn (800-605U)

Makeup Accessories:

- Simulated broken glass (800-230U)
- Casualty simulation wax (223 8OZU)
- Coagulant blood (800-226U)
- Grease paint colors: white (800-220U), blue (800-222U), brown (800-221U, and red (800-218U)
- Thickener for simulated blood (800-228U)
- Simulated blood powder (800-225U)
- 3 spirit gum, 1 oz. w/brush (800-232U)
- Carry case

800-620U Sh. wt. 12 lbs.

Simulaids Xtreme 2 Trauma Moulage Kit

- Created at the request of instructors
- Perfect complement to the Xtreme Trauma Moulage Kit (800-620U)

Moulages:

- Bleeding exit gunshot palm (800-001U)
- Burned face, 3rd degree (800-002U)
- Bleeding eviscerated intestine (800-003U)
- Bleeding forearm avulsion with skin flap (800-004U)
- Bleeding impaled stick (800-005U)
- Bleeding exit wound (800-006U)
- Bleeding laceration, 12 cm (800-007U)
- Electrical burn palm (800-008U)
- Intermediate shotgun entry (800-009U)
- 45-caliber close entry (800-010U)
- Bleeding open fracture tibia (800-011U)
- Bleeding open fracture femur (800-012U)
- Bleeding open fracture clavicle (800-013U)

Makeup Accessories:

- Skin Tite® adhesive (PP0503U)
- Red grease paint, 2 oz. (800-218U)
- White grease paint, 2 oz. (800-220U)
- Brown grease paint, 2 oz. (800-221U)
- Blue grease paint, 2 oz. (800-222U)
- Simulation wax, 8 oz. (223 8OZU)
- Simulated blood powder (800-225U)
- Coagulant blood, 4 oz. (800-226U)
- Thickener for simulated blood (800-228U)
- Simulated broken glass (800-230U)
- Spirit gum, 1 oz. with brush (800-232U)
- Tape remover pads (800-619U)
- Tongue depressors (800-842U)
- Spatulas (800-835U)
- Carry case (PP0273U)

800-025U Sh. wt. 14 lbs.



Simulaids PHTLS Moulage Kit

- Casualty simulation kit with a focus on head and chest trauma
- Consists of wounds from many of Simulaids other kits
- Augments the use of the PHTLS Trainers

Kit contains the following components:

- Blood powder, 3 pk. (800-225U)
- Coagulant blood, 4 oz. (800-226U)
- Spirit gum 1 oz. w/brush (800-232U)
- Open rib fracture (800-603U)
- Open humerus fracture (800-607U)
- Exposed denture avulsion (800-608U)
- Open skull fracture (800-609U)
- Burned face (800-613U)
- Large road rash (800-654U)
- Burn chest, 2nd & 3rd degree (800-6724U)
- Broken clavicle w/contusion (800-6727U)
- Abdominal w/protruding intestines (800-6808U)
- Intermediate wound "flake" (800-715U)
- Intermediate wound round (800-716U)
- Shotgun wound (800-714U)
- Close shotgun wound (800-721U)
- Contact shotgun wound (800-723U)
- Screwdriver wound (800-724U)
- Single edge wound (800-727U)
- Double edge wound (800-730U)
- Bunny ears (800-731U)
- Contact wound (800-732U)
- Small exit wound (800-733U)
- Contact handgun wound (800-735U)
- Ice pick wound (800-736U)
- Skin Tite® & Thi-vex Kit (PP0503U)
- Instructions
- Carry case (PP0273U)

800-665U Sh. wt. 14 lbs.



Simulaids Weapons of Mass Destruction Kit

- Effective Mass Casualty Incident (MCI) treatment of Weapons of Mass Destruction (WMD) or Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) weapons
- Kit comes in a rugged carry case and includes the various makeup and accessories listed below:

Moulages:

- 6 – 2nd degree burns (800-914U)
- 6 burned eyes from mustard gas (800-630U)
- 6 compound fracture humerus (800-907U)
- 6 – 1st, 2nd, 3rd degree burns (800-827U)
- 6 major avulsions, 8 x 5 cm (800-912U)
- 6 avulsions, 3 x 5 cm (800-911U)
- 6 small sepsis wounds (800-909U)
- 6 small exit wounds (800-733U)
- 6 star-shaped anthrax wounds (800-632U)
- 6 oblong anthrax wounds (800-633U)
- 6 large star-shaped anthrax wounds (800-634U)
- 6 smallpox double wounds (800-635U)
- 6 multiple smallpox wounds (800-636U)
- 6 multiple mustard gas wounds (800-638U)
- 6 Small mustard gas wounds (800-639U)
- 6 IED wounds (800-637U)
- 6 medium mustard gas wounds (800-640U)
- 6 large mustard gas wounds (800-641U)
- Hand amputation (800-621U)
- Leg amputation (800-6760U)
- Arm amputation (800-623U)
- Anthrax forehead (800-624U)
- Mustard gas face (800-625U)
- Anthrax double wound face (800-626U)
- 2nd-3rd day smallpox face (800-627U)
- 8th-10th day smallpox face (800-628U)
- 3 sarin faces, bleeding eyes and nose, sweating (800-629U)
- Also includes additional makeup and accessories
- Complete list of kit components can be found at our website
- 21 in. x 11 in. x 12 in.

800-870U Sh. wt. 16 lbs.

create even more realism



Simulaids Xtreme Trauma Deluxe Moulage Kit

- Includes all of the wounds from the Xtreme Trauma Moulage Kit and Xtreme 2 Trauma Moulage Kit.

Moulages:

- Bleeding exit gunshot palm (800-001U)
- Burned face, 3rd degree (800-002U)
- Bleeding eviscerated intestine (800-003U)
- Bleeding forearm avulsion with skin flap (800-004U)
- Bleeding impaled stick (800-005U)
- Bleeding exit wound (800-006U)
- Bleeding laceration, 12 cm (800-007U)
- Electrical burn palm (800-008U)
- Intermediate shotgun entry (800-009U)
- 45-caliber close entry (800-010U)
- Bleeding open fracture tibia (800-011U)
- Bleeding open fracture femur (800-012U)
- Bleeding open fracture clavicle (800-013U)
- Bleeding open wrist fracture (800-602U)
- Bleeding open rib fracture (800-603U)
- Half-face chemical burn (800-604U)
- Right hand 4th degree chemical burn (800-605U)
- Dorsal hand 4th degree chemical burn (800-606U)
- Open humerus fracture (800-607U)
- Bleeding exposed denture avulsion (800-608U)
- Bleeding open skull fracture (800-609U)
- Burned face (800-613U)
- Bleeding skin laceration (800-614U)
- Bleeding major muscle laceration (800-616U)
- Bleeding open ankle dislocation (800-618U)

Makeup & Accessories:

- 2 Skin Tite® adhesive (PP0503U)
- 2 red grease paint, 2 oz. (800-218U)
- 2 white grease paint, 2 oz. (800-220U)
- 2 brown grease paint, 2 oz. (800-221U)
- 2 blue grease paint, 2 oz. (800-222U)
- Simulation wax, 8 oz. (223 8OZU)
- Simulated blood powder (800-225U)
- 2 coagulant blood, each 4 oz. (800-226U)
- 2 thickeners for simulated blood (800-228U)
- Simulated broken glass (800-230U)
- 3 spirit gum, each 1 oz. with brush (800-232U)
- Glycerin, 1 oz. (800-847U)
- Powdered charcoal, 2 oz. (800-854U)
- Tape remover pads (800-619U)
- Tongue depressors (800-842U)
- Spatulas (800-835U)
- Carry case

800-028U Sh. wt. 21 lbs.

Carry Case Only
Sh. wt. 5.50 lbs.

PP0338U

Casualty Simulation



Simulaids Advanced Military Casualty Simulation Kit

- 22 in. x 13 in. x 15 in.

Moulages:

- 5 one-doz. pkgs. assorted stick-on injury simulations (800-219U)

Bleeding strap-on wounds complete with reservoir bags with pump assembly:

- 2 compound fractures of tibia, lower leg (800-6761U)
- 2 compound fractures of humerus, upper arm (800-6816U)
- Also includes additional makeup and accessories
- Complete list of kit components found at our website

800-819U Sh. wt. 23 lbs.

Carry Case Only

PP2710U Sh. wt. 5.50 lbs.



Simulaids Multiple Casualty Simulation Kit

- More complex wounds than the Basic Kit
- For testing higher levels of skill in bandaging and patient care

Moulages:

- 24 assorted stick-on lacerations and open fracture wounds (800-219U)

Bleeding strap-on wounds complete with reservoir bags with pump assembly:

- Leg amputation (800-6760U)
- Compound fracture of tibia, lower leg (800-6761U)
- Compound fracture of humerus, upper arm (800-6816U)
- Gunshot wound of palm (800-6881U)

Non-Bleeding Simulated Wound:

- Sucking wound of chest (800-6713U)

Makeup Accessories:

- Adhesive for stick-on wounds (PP2159U)
- Atomizer mist sprayer (PP0283U)
- Simulated broken glass (800-230U)
- Casualty simulation wax (223 8OZU)
- Coagulant blood (800-226U)
- Grease paint colors: white (800-220U), blue (800-222U), brown (800-221U), and red (800-218U)
- Thickener for simulated blood (800-228U)
- Simulated blood powder (800-225U)
- Spatulas (800-835U)
- Wood tongue depressors (800-842U)

800-816U Light. Sh. wt. 11 lbs.

Simulaids skin tones available: Light Dark



Simulaids Deluxe Casualty Simulation Kit

- Contains 7 bleeding strap-on wounds and 15 never-before-seen moulage stick-on wounds
- Full line of accessories allows you to create 70 individual wounds, plus use your makeup expertise to create realism in your evolutions
- Packaged in a sturdy carry case, the kit also contains instructions
- 22 in. x 13 in. x 15 in.

Moulages:

- Avulsion, 3 cm x 5 cm (800-911U)
- Avulsion, major, 8 cm x 5 cm (800-912U)
- Compound fractured humerus (800-907U)
- Compound fractured femur (800-908U)
- Compound fractured tibia (800-906U)
- Crushed foot (800-913U)
- Eviscerated intestines (800-902U)
- Foreign body protrusion (800-901U)
- Laceration, 3 cm (800-904U)
- Laceration, 5 cm (800-903U)
- Sepsis wound, large (800-910U)
- Sepsis wound, small (800-909U)
- Small laceration, 1 cm (800-905U)
- Stick-on wounds, eyeball (800-900U)
- 2nd degree burn (800-914U)
- Also includes additional makeup and accessories
- Complete list of kit components found at our website

Sh. wt. 25 lbs.

800-890U Light **800-890BU** Dark

Carry Case Only

PP2710U Sh. wt. 5.50 lbs.



Simulaids Basic Casualty Simulation Kit

- Economical way to get started in simulated injuries
- Reusable wounds and refillable accessories let you practice bandaging and splinting techniques repeatedly

Moulages:

- 12 assorted stick-on lacerations and open fracture wounds (800-219U)
- Compound fracture tibia complete with reservoir and pump assembly (800-6761U)
- Coagulant blood (800-226U)
- Simulated blood powder (800-225U)

Makeup Accessories:

- Atomizer mist sprayer (PP0283U)
- Adhesive for stick-on wounds (PP2159U)
- Casualty simulation wax (223 8OZU)
- Grease paint colors: white (800-220U), blue (800-222U), brown (800-221U), and red (800-218U)
- Thickener for simulated blood (800-228U)
- Simulated broken glass (800-230U)
- Spatulas (800-835U)
- Tongue depressors (800-842U)

800-815U Light. Sh. wt. 5 lbs.

Simulaids EMT Casualty Simulation Kit

Moulages:
- Abdominal wound with protruding intestines (800-6808U)

Bleeding strap-on wounds complete with reservoir bags with pump assembly:
- 2 compound fractures of femur, upper leg (800-6819U)
- 2 compound fractures of humerus, upper arm (800-6816U)
- 2 compound fractures of tibia, lower leg (800-6761U)
- 2 gunshot wounds of palm (800-6881U)
- Jaw wound (800-6807U)
- Laceration of forehead (800-6725U)
- Leg amputation (800-6760U)

Non-Bleeding Simulated Wounds:
- 3 pkgs. of 12 assorted stick-on lacerations & open fracture wounds (800-219U)
- Face in shock (800-6882U)
- Sucking wound of the chest (800-6713U)
- 1st, 2nd, 3rd degree burn of back (800-6773U)
- 1st, 2nd, 3rd degree burn of chest (800-6724U)
- 1st, 2nd, 3rd degree burn of face (800-6828U)
- 1st, 2nd, 3rd degree burn of forearm (800-6802U)
- 1st, 2nd, 3rd degree burn of hand (800-6799U)
- Phosphorous burn of hand (800-6801U)

Makeup Accessories:
- 2 atomizer mist sprayers (PP0283U)
- Body adhesive for stick-on wounds (PP2159U)
- 3 bottles coagulant makeup blood (800-226U)
- 2 pkgs. simulated broken glass (800-230U)
- 2 casualty simulation wax (223 8OZU)
- Charcoal (800-854U)
- Cold cream (800-851U)
- Fake dirt (800-233U)
- Grease paint: white (800-220U), blue (800-222U), brown (800-221U), and red (800-218U)
- Thickener for simulated blood (800-228U)
- Mirror (800-838U)
- Petroleum jelly (800-239U)
- Plastelene Modeling Paste, dark (800-855U)
- Plastelene Modeling Paste, white (800-856U)
- Powder to make 5 gallons simulated blood (800-225U)
- Spatulas (800-835U)
- Tissues (800-844U)
- Tongue depressors (800-842U)
- 24 in. x 10 in. x 20 in.

800-818U Sh. wt. 33 lbs.



800-818U

Carry Case Only
- 23 in. x 17 in. x 8 in.

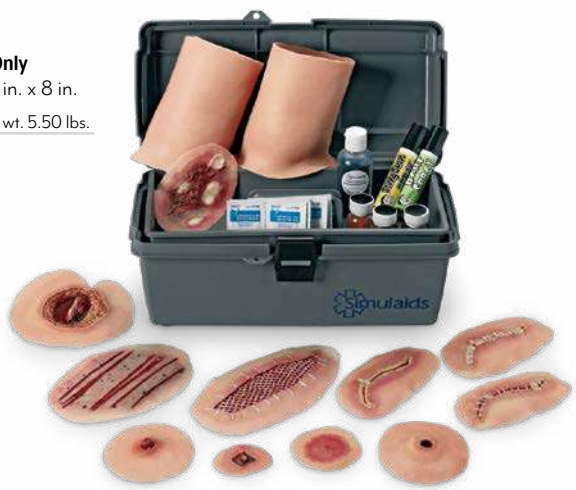
PP3570U Sh. wt. 5.50 lbs.

Simulaids Nursing Care Moulage Kit
- Offers a highly detailed variety of disease, pressure, and surgically induced wounds
- Assist practitioners in understanding the treatment of their patients by visualizing the problems that arise in caring for wounds
- Kit includes spray containers of odors, including sweat and vomit

Moulages:
- Adult stoma (800-652U)
- 2 ankle edemas (800-656U)
- Bedsore, 4th stage, 70 mm (800-660U)
- Burn, 2nd degree (800-653U)
- Child colostomy (800-651U)
- Diabetic ulcer, 20 mm (800-661U)
- Large road rash (800-654U)
- Skin graft, 6 in. (800-665U)
- Surgical site infections, 3 levels (800-657U, 800-658U, & 800-659U)
- Ulcer, stage 1 (800-662U)

Makeup Accessories:
- Adhesive removing wipes (12)
- Coagulant blood (800-226U)
- 3 spirit gum with applicators (800-232U)
- Vomit spray (800-663U)
- Sweat spray (800-664U)

800-650U Sh. wt. 7 lbs.



800-650U

Carry Case Only

PP0405U Sh. wt. 5.50 lbs.



800-8009U

Simulaids Neonatal Wound Kit
- These gross abnormalities fit Gaumard®'s HAL baby specifically and any neonate manikin in general
- Development of each wound coincides with the S.T.A.B.L.E. program, which consists of sugar, temperature, airway, blood pressure, lab work, and emotional support
- Lifelike detail encourages the proper treatment and handling of the infant
- Included in the kit are the following abnormalities:
  - Abdominal Distention, Preemie (800-882U)
  - Abdominal Distention, Term (800-886U)
  - Gastroschisis (800-884U)
  - Myelomeningocele (800-887U)
  - Omphalocele (800-883U)
  - Slack Face (800-885U)
  - Subgaleal Hemorrhage (800-881U)
- Comes in a hard carry case (PP2067U)

800-8009U Sh. wt. 7 lbs.

Casualty Simulation

TrueClot® Blood Simulant





- Developed for training first responders in traumatic hemorrhage control, wound packing, and the use of advanced hemostatic dressings
- Simulant forms lifelike simulated blood clots
- Moulage clots can also be created instantly by mixing the simulant with TrueClot® liquid clotting solution
- Accurately matches the color, opacity, and flow characteristics of human blood
- TrueClot® products are designed to provide the most true-to-life wound packing and clotting simulation possible



TrueClot® Blood Simulant
- Highly realistic simulated clotting blood for use in trauma and hemorrhage control training
- Simulated blood will not clot unless it comes in contact with simulated hemostatic gauze or clotting solution

SB51046U Half-Gallon. Sh. wt. 7 lbs.
SB51047U Gallon. Sh. wt. 13 lbs.

TrueClot® Blood Simulant Concentrate
- Concentrate gel can be prepared and stored until needed or easily transported to the training area, where it can be reconstituted on site
- Simulated blood will not clot unless it comes in contact with clotting solution (SB51010U) or simulated hemostatic gauze (SB51009U)
- Concentrate has not been tested in all advanced trauma manikins and may cause irreparable damage if used incorrectly in some systems

SB51007U Gallon. Sh. wt. 1.25 lbs.
SB51048U Pack of 4, 1-liter refills. Sh. wt. 1.25 lbs.

TrueClot® Simulated Hemostatic Gauze — Pkg. of 3
- Works in conjunction with blood simulant listed above
- Initiates simulated clotting when soaked in blood simulant or packed into a simulated wound with flowing blood simulant
- Each package contains 1 strip of gauze measuring 12 ft. L x 3 in. W

Sh. wt. 0.50 lbs.

SB51008U Z-Folded Gauze
SB51009U Rolled Gauze

TrueClot® Clotting Solution
SB51010U Sh. wt. 1.50 lbs.



Bone Fragment — Set of 10
- Designed to simulate a multitude of bone and break patterns in the human anatomy
- Bone fragments are strong and durable

SB51002U Sh. wt. 0.81 lbs.

made especially for use over simulated wounds and latex

Grease Paint Makeup Wheels
- Each 1-oz. wheel contains a different color palette

Sh. wt. 0.19 lbs.

Injury Shades Wheel
- Contains 6 colors commonly used to create bruises and contusions: warm honey, maroon, dark purple, yellow, forest green, and thunder gray

LF00760U

Primary Colors Wheel
- Includes 5 colors: white, black, red, yellow, and blue

LF00761U

Special Effects Shades Wheel
- 6 colors include medium honey, green, light cream, ebony, red, and milk chocolate

LF00762U

Special Effect Powder
- Skin-safe specialty powder for realistic simulation effects
- 5-oz. jars

Sh. wt. 0.50 lbs.

LF00786U Black Soot Powder
LF00787U Ash Dust Powder
LF00788U Dirt Powder

Grease Paint Makeup
- Coats the simulated wounds, latex, and skin sufficiently to allow a natural look
- Offers great coverage over a wide variety of skin and simulated skin surfaces
- Each jar is ½ oz.

Sh. wt. 0.06 lbs.

LF00763U	Capillary Shadow		**LF00774U**	Forest Green
LF00764U	Blood Blister		**LF00775U**	Blue
LF00765U	Blithe Spirit		**LF00776U**	Dark Purple
LF00766U	Rose Blush		**LF00777U**	Clotted Red
LF00767U	Mold Green		**LF00778U**	Corpse Flesh
LF00768U	White		**LF00779U**	Frankie Gray
LF00769U	Black		**LF00780U**	Light Cream
LF00770U	Red		**LF00781U**	Ebony
LF00771U	Green		**LF00782U**	Milk Chocolate
LF00772U	Deep Yellow		**LF00783U**	Medium Honey
LF00773U	Yellow		**LF00784U**	Warm Honey



Silicone Adhesive for Human Actors

- 2-part silicone adhesive
- Used to apply prosthetics to human actor or trainee skin
- Convenient plunger tube can be sealed and saved for later use
- Working time is approx. 10-15 minutes after the 2 parts have been mixed
- Sweat-proof, waterproof, and can be used in all weather conditions
- Hypoallergenic and durable
- Can be left on for as long as needed
- Easily removed by simply peeling
- Clear. 1-oz. syringe

SB50284U Sh. wt. 0.31 lbs.



Skin Tite Adhesive

- Use with silicone-based moulage items
- Can be used on manikins or humans
- Glue will not fail due to sweat, body hair, or incidental contact with clothing or props
- Includes two 2-oz. bottles for mixing and one 1-oz. bottle for thickening the mixture

PP0503U Sh. wt. 0.25 lbs.

Syringe & Tubing for Dynamic Wounds

- Compatible with prosthetics
- Syringe and 4-ft. tube may be used as a blood delivery system for enhanced realism
- May be used with most simulated blood

SB50282U Sh. wt. 0.31 lbs.



Manikin Adhesive

- Liquid-based adhesive used to apply prosthetics to training manikins
- Twist-top tube can be sealed and saved for later use
- Working time approx. 30 minutes once exposed to air
- Easily removed using rubbing alcohol
- 3-oz. tube

SB50285U Sh. wt. 0.31 lbs.









Coagulant Blood

- Use simulated coagulant blood to enhance the realism of any training simulation
- 4-oz. bottle

800-226U Sh. wt. 0.50 lbs.

Simulated Blood

- Enhance the realism of any training scenario with simulated blood
- Convenient spray-top bottle
- Dries in a realistic dark and brittle manner
- 4-oz. bottle

SB50245U Sh. wt. 0.50 lbs.

adds olfactory element to simulations

Simulated Odors

- Simulated odors are designed to provide realistic olfactory simulation in addition to the visual simulation of moulages
- Alcohol-based scent oils simulate scents in the most unpleasant of scenarios
- Scents will last through multiple scenarios
- CAUTION: Do not use in eyes or mouth; use on human skin is not recommended; scent cannot easily be cleaned from clothing
- To remove scent from moulages/prosthetics, soak in rubbing alcohol
- 4-oz. bottle

Sh. wt. 0.69 lbs.



SB50237U Decaying Flesh
SB50238U Burnt Flesh
SB50240U Gunpowder
SB50241U Feces
SB50242U Urine
SB50243U Vomit
SB50244U Car Bomb



Moulage

- DVD explains the use and application of every portion of the Simulaids Casualty Simulation Kits
- Each segment of moulage is represented
- Use DVD as a base to build your repertoire of the most realistic moulage to add challenge to your next casualty incident
- 45 minutes

800-880U Sh. wt. 0.19 lbs.



Vomit Spray

- The effective odor spray is perfect for adding realism to any simulation scenario
- 1-oz. pump spray

800-663U Sh. wt. 1.25 lbs.



Simulated Fecal Spray

- Highly concentrated fecal smell is perfect for simulating incontinence, colostomy, and bowel prep education
- Nonflammable
- 30 ml pump spray

PN01194U Sh. wt. 0.19 lbs.

Moulage for Manikins Book (or Cooking for Real Dummies!)

By Jeanne Cleary, MA, RN, and Kaaren Harris, RN, CCRN Alum, M Ed. Second Edition.

- A compilation of simulation recipes for health care education
- Sample recipes include a scratch of "flesh," a clot of "blood," and an ooze of choice "bodily fluids"
- Includes color photos of the recipes, a notes area on each page for comments, as well as tool kit ideas to stock your own simulation "kitchen"
- 130 pages

SB48078U Sh. wt. 1.25 lbs.



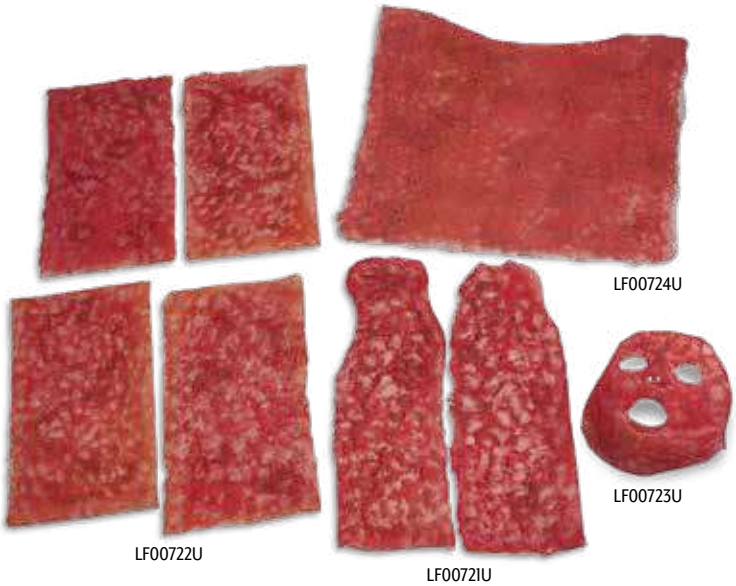
Simulated Burns



Life/form® Simulated Burns

- 4 simulated stages of burns to assist with simulating burn injury types, patient assessment and care
- Use assessment findings to identify the burn severity and type to prepare a treatment plan and to measure performance of burn management
- Pliable, reusable wounds can easily be cut into any shape to fit on a human patient or patient simulator/trainer
- Theatrical makeup and simulated blood may be applied to add color for realism
- Includes 4 rolls (7 in. x 10 in.) listed below

LF00725U Sh. wt. 1.75 lbs.



LF00724U

LF00723U

LF00722U

LF00721U

Life/form® Simulated Burns

- Burn wounds to assist with simulating burn injury types, patient assessment, and care
- Use assessment findings to identify the burn severity and type to prepare a treatment plan and to measure performance of burn management
- Pliable, reusable wounds can easily be cut into any shape to fit on a human patient, patient simulator, or trainer
- Theatrical makeup and simulated blood may be applied to add color for realism

Simulated Burns Complete Set

- Includes 1 of each set listed below

LF00729U Sh. wt. 10 lbs.

Arm Burns

- Set of 2
- 17 in. x 6 in. x 4 in.

LF00721U Sh. wt. 2 lbs.

Face Burn

- 8 in. x 8 in.

LF00723U Sh. wt. 1.75 lbs.

Leg Burns

- Set of 4
- 14 in. x 7 in.

LF00722U Sh. wt. 2.25 lbs.

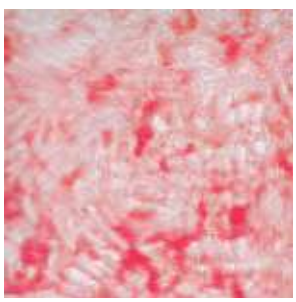
Chest Burn

- 18 in. x 18 in.

LF00724U Sh. wt. 4 lbs.



LF00725(A)U



LF00725(B)U



LF00725(C)U



LF00725(D)U

Individual Burn Rolls

- Each roll is 7 in. x 10 in.

1st degree (coloration is slightly pink)

LF00725(A)U Sh. wt. 0.31 lbs.

2nd degree superficial partial-thickness (coloration is light pink with wet appearance)

LF00725(B)U Sh. wt. 0.25 lbs.

2nd degree deep partial-thickness (coloration red, white, and dry in appearance)

LF00725(C)U Sh. wt. 0.25 lbs.

3rd degree (coloration is leathery, brown, black, and white)

LF00725(D)U Sh. wt. 0.44 lbs.

Life/form® Burn Simulation Kit

- Versatile, high-quality kit can be used to augment training
- Simulated burns, blisters, and makeup will assist in simulation exercises at every level of health care

Kit includes:

Wounds:

- Blisters (LF00726U)
- Blood Blisters (LF00727U)
- Burn, 1st Degree [LF00725(A)U]
- Burn, 2nd Degree, Superficial Partial-Thickness [LF00725(B)U]
- Burn, 2nd Degree, Deep Partial-Thickness [LF00725(C)U]
- Burn, 3rd Degree [LF00725(D)U]

Makeup and Accessories:

- Alcohol prep swabs
- Ash dust powder
- Black soot powder
- Blood blister makeup (LF00764U)
- Blood paste (LF00751U)
- Brushes
- Clotted red makeup (LF00777U)
- Dirt powder
- Foam wedges
- Gloves
- Glycerin
- Hard carry case
- Injury shades makeup wheel (LF00760U)
- Instruction booklets
- Light cream makeup (LF00780U)
- Red rubber round
- Magic blood powder (LF00758U)
- Spirit gum remover (LF00756U)
- Spirit gum with brush (LF00755U)
- Spray bottle (empty)
- Stipple sponges
- Wet wipes

LF00795U Sh. wt. 7 lbs.



LF00795U



BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+ YEARS

Nasco HEALTHCARE





Life/form® Basic Nursing Wound Simulation Kit

- Versatile, high-quality kit can be used to augment training
- Simulated wounds and makeup assist in simulation exercises at every level of health care

Kit includes:

Wounds:

- Blisters (LF00726U)
- Blood blisters (LF00727U)
- Boils (LF00739U)
- Cysts — pilar and sebaceous (LF00732U)
- Pressure ulcers, stages 1-4 (LF00730U)
- Ostomies — normal, double barrel, infected, prolapsed, and necrotic (LF00738U)
- Skin cancer — normal, basal cell carcinoma, squamous cell carcinoma, and melanoma (LF00731U)

Makeup and Accessories:

- Alcohol prep swabs
- Application sticks
- Blue makeup (LF00775U)
- Brushes
- Clotted red makeup (LF00777U)
- Flesh modeling wax (LF00752U)
- Foam wedges
- Gloves
- Glycerin
- Hard carry case
- Injury shades makeup (LF00760U)
- Instruction booklets
- Red rubber round
- Scissors
- Special effects makeup (LF00762U)
- Spirit gum (LF00755U)
- Spirit gum remover (LF00756U)
- Spray bottle (empty)
- Stipple sponges
- Wet wipes
- White towel

LF00793U Sh. wt. 9 lbs.



Life/form® Advanced Nursing Wound Simulation Kit

- Augment training and enhance simulation exercises at every level of health care with this versatile, high-quality kit

Kit includes:

Wounds:

- Abrasion (LF00734U)
- Burn, 1st degree [LF00725(A)U]
- Burn, 2nd degree, deep partial-thickness [LF00725(C)U]
- Burn, 2nd degree, superficial partial-thickness [LF00725(B)U]
- Burn, 3rd degree [LF00725(D)U]
- Chicken pox (LF00791U)
- Cyst — infected (LF00733U)
- Dehiscence (LF00736U)
- Incisions — normal and infected (LF00735U)
- Lacerations — superficial and deep (LF00737U)
- Lyme disease (LF00797U)
- Shingles (LF00796U)

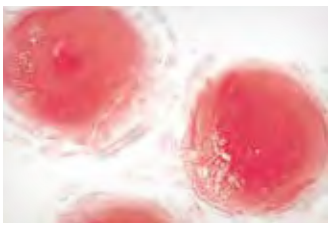
Makeup and Accessories:

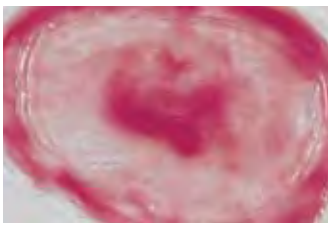
- Alcohol prep swabs
- Application sticks
- Ash dust powder
- Black soot powder
- Blood blister makeup (LF00764U)
- Blood colored modeling wax (LF00753U)
- Brushes
- Clotted red makeup (LF00777U)
- Dirt powder
- Foam wedges
- Gloves
- Glycerin
- Hard carry case
- Injury shades makeup (LF00760U)
- Instruction booklets
- Light cream makeup (LF00780U)
- Liquid latex (LF00754U)
- Magic blood powder (LF00758U)
- Red rubber round
- Scissors
- Spirit gum (LF00755U)
- Spirit gum remover (LF00756U)
- Spray bottle (empty)
- Stipple sponges
- Wet wipes
- White towel

LF00794U Sh. wt. 9 lbs.

Moulage Kits

1. 

2. 

3. 

4. 

1. *Life/form*® Venous Stasis Ulcer

- Use assessment findings to identify the venous skin ulcer severity, to prepare a treatment plan and to measure performance of wound management
- Pliable, reusable wounds can be cut easily to fit any leg on a human patient or patient simulator/trainer
- Theatrical makeup and simulated blood may be applied to add color for realism
- Includes one 7 in. x 10 in. roll with 12 ulcers

LF00792U Sh. wt. 1.25 lbs.

2. *Life/form*® Chicken Pox (Varicella) Blisters

- Use to assist with simulating assessment, diagnosis, and care of the chickenpox virus
- Assessment findings can be used to identify the severity of chickenpox and in preparing a treatment plan
- Pliable, reusable wounds can easily be cut to fit any area on a human patient or patient simulator/trainer
- Apply theatrical makeup and simulated blood to add color for realism
- Includes one 7 in. x 10 in. roll with several Varicella blisters

LF00791U Sh. wt. 1.25 lbs.

3. *Life/form*® Lyme Disease Rashes

- Use to assist with simulating assessment, diagnosis, and care of the Lyme disease rash, including identifying the severity of the disease, preparing a treatment plan, and measuring performance of wound management of the expanding reddish rash
- Pliable, reusable wounds can easily be cut to fit any area on a human patient or patient simulator/trainer
- Theatrical makeup and simulated blood may be applied to add color for realism
- Includes one 7 in. x 10 in. roll with eight rashes

LF00797U Sh. wt. 1.25 lbs.

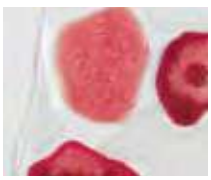
4. *Life/form*® Shingles Rashes

- Pliable, reusable wounds come ready to wear and assist with simulating assessment, diagnosis, and care of shingles
- Aids in identifying the severity of the virus, preparing a treatment plan, and measuring performance of wound management
- Easily cuts to fit any area on a human patient or patient simulator/trainer
- Apply theatrical makeup and simulated blood to add color for realism
- Includes one 7 in. x 10 in. roll with multiple rash severities

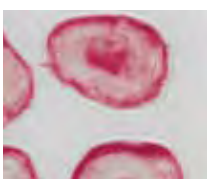
LF00796U Sh. wt. 1.25 lbs.



LF00791U



LF00796U



LF00797U



LF00807U

Life/form® Wounds

- Use to assist with simulating assessment, diagnosis, and care of various wounds, rashes, blisters, and other skin abnormalities
- Particularly useful for learning how to determine the severity of a wound
- Pliable, reusable wounds can be easily cut to fit any area on a human patient or patient simulator/trainer

7 in. x 10 in. Rolls Contains several wounds. Sh. wt. 1.25 lbs.

LF00791U Chicken Pox (Varicella) Blisters	**LF00798U** Necrotizing Fascitis	**LF00804U** Ringworm
LF00792U Venous Stasis Ulcer	**LF00799U** Bruises	**LF00805U** Skin Tear
LF00796U Shingles Rashes	**LF00802U** Cellulitis	**LF00809U** Tuberculosis
LF00797U Lyme Disease Rashes	**LF00803U** Infiltration	

Individual Wounds Sh. wt. 0.75 lbs.

LF00806U Staph Infection	**LF00807U** MRSA	**LF00808U** Sepsis Infection



extremely realistic for diagnosis and treatment practice











Life/form® Ultra Nursing Wound Simulation Kit

- Wound simulation supports sensory perception in a nursing scenario and assists in confirming physical signs, realism, and critical thinking
- Simulated conditions and injuries test the natural feelings and reactions that would occur in actual patient situations
- Instructor-created simulation scenarios assist students with making assessments, prioritizing patients, and determining correct treatments
- Simulation allows students to make critical mistakes without endangering a live patient, provides them with realistic patient interaction, and enables them to gain experience and gain confidence before entering real-life clinical situations
- Using very quick, basic simulations and simple makeup, the simulated 3-D lifelike wounds can be cleaned, sutured, bandaged, etc.
- Apply to a real person's or patient simulator's limbs, chest, head, or any other part of the body
- Add other elements including sweat, blood, pus, mucous, or any other "recipes" needed to represent life scenarios
- Includes 32 simulated wounds, makeup, and makeup accessories all packaged in a hard carry case

LF00720U Sh. wt. 22 lbs.

Wounds:

- Abrasion (LF00734U)
- Blisters (LF00726U)
- Blood Blisters (LF00727U)
- Boils (LF00739U)
- Burns — 1st degree, 2nd degree superficial partial, 2nd degree deep partial, and 3rd degree (LF00725U)
- Cysts — pilar and sebaceous (LF00732U)
- Dehiscence (LF00736U)
- Incisions — normal and infected (LF00735U)
- Infected Cyst — pus-filled (LF00733U)
- Lacerations — superficial and deep (LF00737U)
- Moles/Skin Cancer — normal, basal cell carcinoma, squamous cell carcinoma, and melanoma (LF00731U)
- Ostomies — normal, double barrel, infected, prolapsed, and necrotic (LF00738U)
- Pressure ulcers — stages 1-4 (LF00730U)

Makeup and Accessories:

- Alcohol Prep Swabs
- Blood Gel with Brush (LF00750U)
- Blood Packets (blue and red) (LF01178U)
- Blood Paste (LF00751U)
- Brushes
- Castor Seal (LF00790U)
- Cold Cream
- Cotton Balls
- Cotton Swabs
- Craft Sticks
- Drop Cloths
- Flip-Top Pint Squeeze Bottle (empty)
- Foam Wedges
- Glycerin
- Grease Makeup
- Hard Carry Case
- Lubricating Jelly (LF01116U)
- Liner Pencils (white, black, red, and brown)
- Liquid Latex (LF00754U)
- Magic Blood Powder (LF00758U)
- Makeup Remover (LF00757U)
- Mixing Palette (6-well)
- Modeling Clay (beige, terra cotta, brown, sienna)
- Modeling Tools
- Modeling Wax — blood colored (LF00753U)
- Modeling Wax — flesh colored (LF00752U)
- Mucous [LF00759(C)U]
- Nasco Cleaner (LF09919U)
- Nitrile Disposable Gloves
- Palette Knife
- Pencil Sharpener
- Petroleum Jelly
- Pus [LF00759(B)U]
- Red Rubber Round
- Scissors
- Sea Sponge
- Spirit Gum with Brush (LF00755U)
- Spirit Gum Remover (LF00756U)
- Spray Bottle (empty)
- Stipple Sponges
- Stool [LF00759(A)U]
- Syringes
- Thickener (LF03774U)
- Wet Wipes

Moulage Kits

Strategic Operations (STOPS) Hyper-Realistic Moulage Kit (HRMK) – US only

The Hyper-Realistic Moulage Kit provides the capabilities of a professional Special Effects Make-up Artist in one highly versatile product. The HRMK inserts Hyper-Realism into any training revolution, increasing the stress inoculation factor for medical and non-medical professionals; greatly decreases the costs when implementing Hyper-Realistic™ casualties into training scenarios because everything is completely reusable. The HRMK is 100% user-customizable enabling the order of specific "pages" with the desired wound patterns or types.

The HRMK contains:

- All required supplies needed for wound application and removal
- The ability to produce up to 12.5 gallons of Artificial Blood
- Step by step instructions for application, removal, cleaning, reusing, and storing of wounds
- Reusable and customizable injury reference cards to increase the realism for casualties as well as simplify wound description and application for non-medical personnel
- Removable "pages" of wound patterns for ease of use and accountability

Customizable wound patterns:

- Superficial and deep lacerations
- Closed and compound fractures
- Impaled objects and shrapnel wounds
- Partial and full-thickness burns
- Partial upper amputations
- Abdominal eviscerations
- Flail chest and open thoracic injuries
- Extraorbital avulsions with or without ocular injury
- Maxiofacial trauma with and without dental injuries
- Chemical, Biological, Radiological and Nuclear injuries
- Entrance and exit gunshot wounds from multiple calibers – 5.56, 7.62, and 9 mm.

All wounds can be applied on any anatomical location to create the desired effect

Unique Features:

- Complete re-usability of wounds
- All supplies stored in one portable bag for ease of use and convenience

Eye Avulsion, Compound Humerus Fracture, Dorsal Hand 1st & 2nd Degree Burns, Superficial Large Laceration, Bowel Evisceration, Gunshot Entrance Wound, Forearm Laceration with Shrapnel, Upper Extremity 3rd Degree Burn, Compound Fibula Fracture, Gunshot Exit Wound, Penetrating Shrapnel Wounds, Sucking Chest Wound, 2nd Degree Partial-Thickness Burn, Forearm Laceration, Partial Hand Amputation, Partial Foot Amputation

HRMK Ships 2 boxes. Sh. wt. 18 lbs., 34 lbs.



STOPS Special Effects (SFX) Blood Kit – US only

The Artificial Blood Concentrate Kit (SFX Blood Kit) brings the quality of Hollywood SFX to the world of medical simulation and is competitively priced and user intuitive, ensuring maximum training fidelity concurrent with the goal of achieving the word "notional" from medical training scenarios. The SFX Blood Kit comes with the purchase of other medical simulation products (Surgical Cut Suit, T3C/EMS Cut Suit, Hyper-Realistic Moulage Kit, and the Blood Pumping System) and can be purchased standalone.

Utilization of realistic, simulated (artificial) blood during medical scenarios is paramount in stress inoculation training to better prepare providers and first responders to the psychological and physical rigors of their job. The SFX Blood Kit includes: one 6 gallon reconstitution bucket, one 12 ounce SFX blood splatter bottle, one 14 ounce blood spray bottle, three funnels (small, medium, large), and one 2.5 gallon container of blood concentrate. The SFX Blood Kit has a total volume of 2.5 to 12.5 gallons, dependent on the desired viscosity required.

SFX Sh. wt. 34 lbs.





NOTE: The ingredients used in this product meet with the highest standards of quality. However, as with most cosmetics, certain individuals may experience instances of sensitivity. Should this occur – discontinue use.

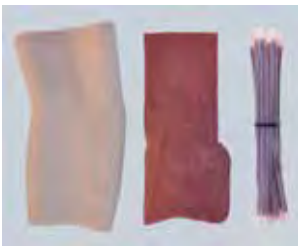
- Do not ingest
- Keep out of reach of children
- Avoid eye contact
- If eye contact occurs, flush immediately with water

STOPS IV Suture and Sleeve – US only

The IV / Suture Sleeve and Suture Block are Hyper-Realistic™ training aides that are designed to be utilized in both a controlled classroom and a hands-on practical application field training environment. Recommended training with both allows proper introduction, patient identification, skin preparation of the area to include aseptic technique, and administration of local anesthesia.

The IV / Suture Sleeve and Suture Block are comprised of a proprietary, lifelike skin that is completely user-repairable and made to fit multiple body types. The IV / Suture Sleeve consists of a protective shield covered by a layer of simulated subdermal tissue to add to the Hyper-Realism and ten lifelike veins that are also user-repairable. When worn, the skin lies over a protective shield that is puncture resistant and allows for full range of motion, IV cannulation, and gives positive user feedback of proper placement by sending flashback into the IV catheter. The Suture Block skin can be utilized to create superficial lacerations and deep tissue lacerations that are capable of being closed by sutures and staples as well as the ability to introduce local anesthesia. The Suture Block is completely repairable.

IVSS Sh. wt. 4 lbs.









STOPS Blood Pumping System – US only

The Blood Pumping System® (BPS) is a Hyper-Realistic™ medical training system designed to simulate human life-threatening hemorrhage in conjunction with the simulated human injury patient. The BPS is an innovation in patient worn bleeding simulations mimicking a small day pack. The BPS is self-contained and allows for (4) simultaneous bleeds controlled by a wireless fob. Each line can be controlled by the operator to simulate both venous and arterial bleeds. The BPS comes in a Basic and Deluxe model.

Basic version includes:

- One (1) femoral sleeve with shorts and protective guard
- One (1) brachial sleeve (without bone) and protective guard
- 2.5 gallons of blood concentrate for up to 12.5 gallons of Artificial Blood

BPS3-B 2 Box Shipment., Sh. wt. 18 lbs., 34 lbs.

Deluxe version includes:

- Two (2) femoral sleeves (1 with / 1 without pants and a protective guard)
- Two (2) brachial sleeves (1 with / 1 without bone and a protective guard)
- Blast Pants
- 2.5 gallons of blood concentrate for up to 12.5 gallons of Artificial Blood

BPS2-D 2 Box Shipment. Sh. wt. 22 lbs., 34 lbs.







STOPS Blast Trousers – US only

Uncontrolled hemorrhaging is the number one concern for patient survivability at the point of injury. Many of these fatalities are being prevented by the prompt application of a tourniquet. However, there are many times when a tourniquet cannot be applied or may be ineffective in controlling a life-threatening hemorrhage. One of the most difficult wounds to treat on the battlefield is an uncontrolled hemorrhage from an inguinal injury. The Blast Trousers will fill this training gap. The Blast Trousers have been developed to replicate a life-threatening bleed to the inguinal region. This is the most realistic simulation system to train Medics, Corpsmen, and other first responders for treatment of this injury.

The Blast Trousers are used in conjunction with the Blood Pumping System (BPS) in Hyper-Realistic™ scenarios. The Blast Trousers simulate blast injuries starting above the knees that are circumferential and continue to just below the navel. The wound is above any effective tourniquet placement and must be treated by clamping the vessel or packing the wound (which holds up to two rolls of gauze) and applying direct pressure.

The Blast Trousers have a life-like appearance and feel. Utilizing the BPS, these trousers are capable of bleeding out three liters of blood in just over two minutes. The Blast Trousers are accessories that come with both versions of the Cut Suit, the BPS Deluxe, and can be purchased separately or added to the BPS Basic.

IBT Sh. wt. 5.5 lbs.



Wounds/Supplies

Cat. No.	Description	Sh. wt.
800-882U	Abdominal Distention, Preemie	3.50 lbs.
800-886U	Abdominal Distention, Term	3.50 lbs.
800-6808U	Abdominal Wound	0.88 lbs.
800-6808BU	Abdominal Wound, Dark	0.88 lbs.
LF00734U	Abrasion	0.06 lbs.
800-623U	Amputation, Arm	2.25 lbs.
800-621U	Amputation, Hand	2.25 lbs.
800-626U	Anthrax, Double Wound, Face	2.25 lbs.
800-624U	Anthrax, Forehead	2.25 lbs.
800-633U	Anthrax, Oblong-Shaped Wound	2.25 lbs.
800-634U	Anthrax, Star-Shaped Wound	2.25 lbs.
800-632U	Anthrax, Star-Shaped Wound, Large	2.25 lbs.
800-911U	Avulsion, 3 x 5 cm, Stick-On	0.19 lbs.
800-608U	Avulsion, Exposed Denture	0.31 lbs.
800-004U	Avulsion, Forearm with Skin Flap	3.50 lbs.
800-912U	Avulsion, Major, 8 x 5 cm, Stick-On	0.19 lbs.
800-660U	Bed Sore, 4th Stage, 70 mm	1.25 lbs.
800-729U	Bite Wound, Full	0.25 lbs.
800-725U	Bite Wound, Partial	0.25 lbs.
800-833U	Bladder Wound	0.25 lbs.
800-6750U	Blade/Propeller Wound	0.94 lbs.
LF00726U	Blisters (Roll)	0.31 lbs.
LF00727U	Blood Blisters	0.38 lbs.
800-225U	Blood Powder (makes 1 gallon)	0.38 lbs.
800-728U	Blunt Bat Wound	0.25 lbs.
LF00739U	Boils, 3 Pack	0.25 lbs.
800-6727U	Broken Clavicle	0.69 lbs.
800-6727BU	Broken Clavicle, Dark	0.69 lbs.
800-230U	Broken Glass	0.25 lbs.
800-731U	Bunny Ears	0.25 lbs.
800-653U	Burn, 2nd Degree	1.25 lbs.
800-914U	Burn, 2nd Degree, Stick-On	0.06 lbs.
800-6773U	Burn, Back, 2nd/3rd Degree	0.81 lbs.
800-6773BU	Burn, Back, Dark	0.81 lbs.
800-605U	Burn, Chemical, 4th Degree, Right Hand	0.25 lbs.
800-604U	Burn, Chemical, Face, Half	0.31 lbs.
LF00724U	Burn, Chest	4 lbs.
800-6724U	Burn, Chest, 2nd/3rd Degree	0.69 lbs.
800-6724BU	Burn, Chest, Dark	0.69 lbs.
800-606U	Burn, Dorsal Hand , 4th Degree	0.25 lbs.
800-008U	Burn, Electrical, Palm	2.25 lbs.
800-613U	Burn, Face	0.44 lbs.
LF00723U	Burn, Face	1.75 lbs.
800-6732U	Burn, Face (Manikin Use Only)	0.50 lbs.
800-6828U	Burn, Face, 2nd/3rd Degree	0.50 lbs.
800-6732BU	Burn, Face, Dark	0.50 lbs.
800-002U	Burn, Face, 3rd Degree	0.50 lbs.
800-6802U	Burn, Forearm, 2nd/3rd Degree	0.50 lbs.
800-6802BU	Burn, Forearm, 2nd/3rd Degree, Dark	0.50 lbs.
800-6799U	Burn, Hand, 2nd/3rd Degree	0.50 lbs.
800-6799BU	Burn, Hand, 2nd/3rd Degree, Dark	0.50 lbs.
LF00725(A)U	Burn Roll, 1st Degree	0.31 lbs.
LF00725(C)U	Burn Roll, 2nd Degree, Deep Partial	0.25 lbs.
LF00725(B)U	Burn Roll, 2nd Degree, Superficial Partial	0.25 lbs.
LF00725(D)U	Burn Roll, 3rd Degree	0.44 lbs.
800-6710U	Burn, Tibia	1.25 lbs.
800-6710BU	Burn, Tibia, Dark	1.25 lbs.
800-827U	Burns (1st, 2nd, & 3rd Degree)	0.25 lbs.
LF00721U	Burns, Arm, 2 pk.	2 lbs.
LF00722U	Burns, Leg, 4 pk.	2.25 lbs.
223 8OZU	Casualty Simulation Wax, 8 oz.	1.25 lbs.
800-854U	Charcoal, Powdered, 2 oz.	0.25 lbs.
800-832U	Chest Wound	0.25 lbs.
LF00791U	Chicken Pox (Roll)	1.25 lbs.
800-851U	Cold Cream, 1 lb.	2 lbs.
800-651U	Colostomy, Child	1.25 lbs.
800-6819U	Compound Fracture, Femur	0.50 lbs.
800-6819BU	Compound Fracture, Femur, Dark	0.50 lbs.
800-908U	Compound Fracture, Femur, Stick-On	0.19 lbs.
800-6816U	Compound Fracture, Humerus	0.50 lbs.
800-6816BU	Compound Fracture, Humerus, Dark	0.50 lbs.
800-907U	Compound Fracture, Humerus, Stick-On	0.19 lbs.
800-6761U	Compound Fracture, Tibia	0.50 lbs.
800-6761BU	Compound Fracture, Tibia, Dark	0.50 lbs.
800-906U	Compound Fracture, Tibia, Stick-On	0.19 lbs.
800-732U	Contact Wound	0.25 lbs.
800-843U	Cotton Balls, 100 pk.	1.25 lbs.
800-6730U	Crushed Foot	0.50 lbs.
800-6730BU	Crushed Foot, Dark	0.50 lbs.
800-913U	Crushed Foot, Stick-On	0.19 lbs.
LF00733U	Cyst, Pus-Filled	0.25 lbs.
LF00732U	Cysts, Pilar and Sebaceous	0.19 lbs.
LF00736U	Dehiscence	0.25 lbs.
800-842U	Depressors, Tongue, 100 pk.	0.69 lbs.
800-233U	Dirt, Fake, 2 oz.	0.25 lbs.
800-618U	Dislocation, Open, Ankle	0.38 lbs.
800-717U	Ecchymosis	0.25 lbs.
800-656U	Edema, Ankle	1.25 lbs.
800-003U	Eviscerated Intestine	5.50 lbs.
800-902U	Eviscerated Intestines Stick-on	0.06 lbs.
800-734U	Exit Wound, Large	0.25 lbs.
800-733U	Exit Wound, Small	0.25 lbs.
800-900U	Eyeball, Stick-On	0.19 lbs.
800-901U	Foreign Body Protrusion, Stick-On	0.19 lbs.
800-710U	Forensic Wound Pack	1.50 lbs.
800-607U	Fracture, Humerus	0.44 lbs.
800-013U	Fracture, Open, Clavicle	1.25 lbs.
800-609U	Fracture, Open, Skull	0.44 lbs.
800-011U	Fracture, Open, Tibia	4.50 lbs.
800-219U	Fractures & Lacerations, Dozen	0.50 lbs.
800-6835U	Frostbite of the Foot	0.50 lbs.
800-884U	Gastroschisis	3.50 lbs.
800-847U	Glycerin, 1 oz.	0.19 lbs.
800-222U	Grease Paint, Blue, 2 oz.	0.25 lbs.
800-221U	Grease Paint, Brown, 2 oz.	0.25 lbs.
800-218U	Grease Paint, Red, 2 oz.	0.25 lbs.
800-220U	Grease Paint, White, 2 oz.	0.25 lbs.
800-010U	Gunshot Entry Wound, .45 Caliber	2.25 lbs.
800-009U	Gunshot Entry Wound, Intermediate Range	2.25 lbs.
800-722U	Gunshot Wound, Exit	0.25 lbs.
800-001U	Gunshot Exit Wound, Palm	2.25 lbs.
800-6881U	Gunshot Wound, Palm	0.50 lbs.
800-6881BU	Gunshot Wound, Palm, Dark	0.50 lbs.
800-6700U	Hand with Severed Fingers	0.50 lbs.
800-735U	Handgun Wound, Contact	0.25 lbs.
800-726U	Hesitation Wound	0.25 lbs.
800-6884U	Hypodermic Injection Trainer	3 lbs.
800-736U	Ice Pick Wound	0.25 lbs.
800-637U	IED Wound	1.25 lbs.
800-005U	Impaled Stick	0.31 lbs.
800-6729U	Impalement of Lower Leg	0.50 lbs.
800-6729BU	Impalement of Lower Leg, Dark	0.50 lbs.
LF00735U	Incisions, Normal and Infected	0.25 lbs.
800-720U	Intermediate Range Wound	0.25 lbs.
800-715U	Intermediate Wound Flake	0.25 lbs.
800-716U	Intermediate Wound Round	0.25 lbs.
800-829U	Jaw Wound	0.25 lbs.
800-6807U	Jaw Wound, Bleeding	0.50 lbs.
800-6731U	Jaw Wound (Manikin Use Only)	0.50 lbs.
800-6731BU	Jaw Wound, Dark (Manikin Use Only)	0.50 lbs.
800-730U	Knife Wound, Double Edge	0.25 lbs.
800-727U	Knife Wound, Single Edge	0.25 lbs.
800-6726U	Lacerated Forearm	0.50 lbs.
800-6726BU	Lacerated Forearm, Dark	0.50 lbs.
800-6725U	Lacerated Forehead	0.50 lbs.
800-6733U	Lacerated Forehead (Manikin Use Only)	0.50 lbs.
800-6733BU	Lacerated Forehead, Dk. (Manikin Use Only)	0.50 lbs.
800-007U	Laceration, 12 cm	1.25 lbs.
800-903U	Laceration, Large, 5 cm, Stick-On	0.19 lbs.
800-616U	Laceration, Major Muscle	0.50 lbs.
800-904U	Laceration, Medium, 3 cm, Stick-On	0.19 lbs.
800-614U	Laceration, Skin	0.44 lbs.
800-905U	Laceration, Small, 1 cm, Stick-On	0.19 lbs.
LF00737U	Lacerations, Superficial and Deep	0.31 lbs.
800-830U	Large Fracture	0.25 lbs.
800-910U	Large Sepsis Wound Stick-on	0.19 lbs.
800-231U	Latex Liquid Compound, 1 oz.	1.75 lbs.
800-6760U	Leg Amputation	0.63 lbs.
LF00797U	Lyme Disease (Roll)	1.25 lbs.
800-865U	Makeup, Cake, Gray, 2 oz.	0.25 lbs.
800-857U	Makeup, Liquid, White, 4 oz.	0.50 lbs.
800-228U	Methyl Cellulose	0.25 lbs.
800-240U	Mineral Oil, 4 oz.	0.44 lbs.
800-856U	Modeling Clay, Cream, 1 lb.	2 lbs.
LF00731U	Moles/Skin Cancer, 4 Types	0.06 lbs.
800-229U	Moulage Pump Assembly	0.25 lbs.
800-229BLU	Moulage Pump Assembly w/Blood Lines	4 lbs.
800-630U	Mustard Gas, Burned Eyes	2.25 lbs.
800-625U	Mustard Gas, Face	2.25 lbs.
800-641U	Mustard Gas, Large Wound	1.25 lbs.
800-640U	Mustard Gas, Medium Wound	1.25 lbs.
800-638U	Mustard Gas, Multiple Wound	1.25 lbs.
800-639U	Mustard Gas, Small Wound	1.25 lbs.
800-887U	Myelomeningocele	3.50 lbs.
800-883U	Omphalocele	3.50 lbs.
800-831U	Open Head Wound	0.25 lbs.
800-603U	Open Rib Fracture	0.63 lbs.
800-602U	Open Wrist Fracture	0.38 lbs.
LF00738U	Ostomies, 5 Types	0.38 lbs.
800-712U	Pattern Ligature Wound	0.25 lbs.
800-828U	Perforated Wound	0.25 lbs.
800-719U	Petechiae Wound	0.25 lbs.
800-239U	Petroleum, White, 1 oz.	0.25 lbs.
800-6801U	Phosphorus Burn, Hand	0.50 lbs.
800-6728U	Projectile Entry/Exit Wound	0.50 lbs.
800-6728BU	Projectile Entry/Exit Wound, Dark	0.50 lbs.
800-654U	Road Rash, Large	1.25 lbs.
800-629U	Sarin, Face	2.25 lbs.
800-724U	Screwdriver Wound	0.25 lbs.
LF00796U	Shingles (Roll)	1.25 lbs.
800-6882U	Shock, Face	1.25 lbs.
800-714U	Shotgun Wound	0.25 lbs.
800-721U	Shotgun Wound, Close	0.25 lbs.
800-723U	Shotgun Wound, Contact	0.25 lbs.
800-655U	Skin Graft, 6 in.	1.25 lbs.
800-885U	Slack Face	3.50 lbs.
800-713U	Slash Wound	0.25 lbs.
800-824U	Small Flesh Wound	0.25 lbs.
800-826U	Small Fracture	0.25 lbs.
800-909U	Small Sepsis Wound Stick-on	0.19 lbs.
800-627U	Smallpox, 2nd Day, Face	2.25 lbs.
800-628U	Smallpox, 8th Day, Face	2.25 lbs.
800-635U	Smallpox, Double Wound	1.25 lbs.
800-636U	Smallpox, Multiple Wound	1.25 lbs.
800-835U	Spatula, Plastic, 6 pk.	0.19 lbs.
800-232U	Spirit Gum, 1 oz. w/Brush	0.25 lbs.
800-652U	Stoma, Adult	1.25 lbs.
800-881U	Subgaleal Hemorrhage	3.50 lbs.
800-6713U	Sucking Chest Wound	0.69 lbs.
800-6713BU	Sucking Chest Wound, Dark	0.69 lbs.
800-657U	Surgical Site Infection, Level 1	1.25 lbs.
800-658U	Surgical Site Infection, Level 2	1.25 lbs.
800-659U	Surgical Site Infection, Level 3	1.25 lbs.
800-6880U	Trench Foot	0.25 lbs.
800-661U	Ulcer, Diabetic, 20 mm	1.25 lbs.
800-662U	Ulcer, Stage 1	0.25 lbs.
LF00730U	Ulcers, Pressure, Stages 1-4	0.19 lbs.
LF00792U	Venous Stasis Ulcer (Roll)	1.25 lbs.
800-006U	Xtreme Gunshot Exit Wound	1.25 lbs.

RESCUE

Rescue Randy Manikins ..... R-2 – R-7
I.A.F.F. Rescue Randy R-2
Rescue Manikins R-8
Water Rescue Manikins ..... R-9 – R-10
Traction Splint Training R-10

Be READY



Rescue Randy Manikins

Simulaids Rescue Randy Combat Challenge

- Official manikin of the Firefighter Combat Challenge
- Developed for lifelike adult or juvenile patient handling, transportation, and extrication training
- Used by the U.S. military, fire, and police departments, safety teams, and emergency personnel for rescue and extrication from pole top, confined spaces, collapsed buildings, smoke rooms, and ladder carry-down protocols worldwide
- Turnout gear not included
- 55 in. L x 27 in. W x 13 in. D

145-lb. Weighted Manikin
Sh. wt. 165 lbs.

149-1434U Light **149-1434BU** Dark

165-lb. Weighted Manikin
Sh. wt. 185 lbs.

149-1435U Light **149-1435BU** Dark

Available light and dark skin tones.

Combat Challenge Kid

- 49 in. L x 16 in. W x 9 in. D

149-1460U Sh. wt. 19 lbs.





Simulaids I.A.F.F. Rescue Randy (with Additional Reinforcement)

- Designed with the help of the International Association of Fire Fighters
- Includes additional reinforcement to increase durability
- Articulated joints and weight are distributed according to human weight distribution chart
- Used by the U.S. military, fire and police departments, safety teams, and emergency personnel for rescue and extrication from pole top, confined spaces, collapsed buildings, smoke rooms, and ladder carry-down protocols worldwide
- 6 ft. tall
- Includes shorts

145-lb. I.A.F.F. Rescue Randy

149-1478U Sh. wt. 182 lbs.

165-lb. I.A.F.F. Rescue Randy
Sh. wt. 185 lbs.

149-1475U Light

149-1475BU Dark

Available light and dark skin tones.

175-lb. I.A.F.F. Rescue Randy

149-1477U Sh. wt. 215 lbs.

200-lb. I.A.F.F. Rescue Randy

149-1476U Sh. wt. 243 lbs.

149-1475U



1435LCU



Simulaids Handcuffing Police Training Manikin

- Created for use in the Leopard Challenge for police officers
- Large body style and softer arm parts allows handcuffing behind the back
- 165-lb. manikin includes shorts
- 55 in. x 27 in. x 13 in.

Sh. wt. 204 lbs.

1435LCU Light **1435BLCU** Dark

Available light and dark skin tones.

Large Body Rescue Randy

- Manikins come in different sizes and in either soft or hard body to meet your rescue training needs (hard body unless otherwise specified)
- Turnout gear not included
- 55 in. x 27 in. x 13 in.



Large, Hard Body Rescue Randy

55-lb. Large Body Rescue Randy
149-1431U Sh. wt. 75 lbs.

85-lb. Large Body Rescue Randy
149-1422U Sh. wt. 116 lbs.

105-lb. Large Body Rescue Randy
149-1432U Sh. wt. 125 lbs.

125-lb. Large Body Rescue Randy
149-1433U Sh. wt. 145 lbs.

150-lb. Large Body Rescue Randy
149-1430U Sh. wt. 188 lbs.

175-lb. Large Body Rescue Randy
149-1436U Sh. wt. 195 lbs.

185-lb. Large Body Rescue Randy
149-1480U Sh. wt. 205 lbs.

200-lb. Large Body Rescue Randy
149-1437U Sh. wt. 220 lbs.

235-lb. Large Body Rescue Randy
149-1466U Sh. wt. 255 lbs.

250-lb. Large Body Rescue Randy
149-1446U Sh. wt. 270 lbs.

Large Body Rescue Randy Carry Bag
PP2094U Sh. wt. 8 lbs.

Additional Supplies for Large, Hard Body Rescue Randy

Replacement Complete Left Arm
149-1449LU Sh. wt. 14 lbs.

Replacement Complete Right Arm
149-1449RU Sh. wt. 14 lbs.

Replacement Upper Left Arm
149-1453LU Sh. wt. 10 lbs.

Replacement Upper Right Arm
149-1453RU Sh. wt. 8 lbs.

Replacement Lower Left Arm/Hand
149-1454LU Sh. wt. 5.50 lbs.

Replacement Lower Right Arm/Hand
149-1454RU Sh. wt. 5.50 lbs.

Replacement Head
Sh. wt. 10 lbs.
149-1455U Light
149-1455BU Dark

Replacement Complete Left Leg
149-1456LU Sh. wt. 35 lbs.

Replacement Complete Right Leg
149-1456RU Sh. wt. 35 lbs.

Replacement Lower Left Leg/Foot
149-1457LU Sh. wt. 13 lbs.

Replacement Lower Right Leg/Foot
149-1457RU Sh. wt. 12 lbs.

Replacement Upper Left Leg
149-1458LU Sh. wt. 22 lbs.

Replacement Upper Right Leg
149-1458RU Sh. wt. 22 lbs.



Rescue Jennifer

- Features size of a 7- to 12-year-old adolescent and is 4 ft. tall
- Articulated at all major joints
- Rugged construction for years of durability and usefulness
- Helpful for preparing personnel for child rescue where highly charged emotional factors come into play
- Sweatpants and T-shirt included
- 3-year warranty
- 48 in. x 16 in. x 9 in.

16-lb. Manikin
149-1355U Sh. wt. 28 lbs.

38-lb. Manikin
1355SPECU Sh. wt. 41 lbs.

Replacement Lower Left Leg
149-1302LU Sh. wt. 5.50 lbs.

Replacement Lower Right Leg
149-1302RU Sh. wt. 5.50 lbs.

Replacement Lower Left Arm/Hand
149-1306LU Sh. wt. 3.50 lbs.

Replacement Lower Right Arm/Hand
149-1306RU Sh. wt. 3.50 lbs.

Replacement Complete Left Arm
149-1308LU Sh. wt. 5.50 lbs.

Rescue Randy Manikins

Simulaids TI Rescue Randy

- Thermal imaging capability with TI Rescue Randy expands options for rescue training
- Ability to detect Randy at a distance of over 20 ft.
- Special heaters in the face and hands operate off of standard 110V or 220V power outlets and reach desired temperature in 15 minutes
- Set the temperature you want on TI Rescue Randy and he will be visible on scanner for over 45 minutes unplugged
- Ideal for rescue training in buildings or search and rescue in the field
- Tested in smoke and steam-filled spaces for firefighting environments, with demonstrated realistic simulation for rescue and extraction training
- Train with smaller presentations such as the head and hands
- Applications such as military (training to fight main space fires, search and rescue) and police/corrections (training for escape and evasion scenarios)
- 55 in. x 27 in. x 13 in.

145-lb. Manikin

TIRAND145U Sh. wt. 182 lbs.

165-lb. Manikin

TIRAND165U Sh. wt. 185 lbs.

Thermal imaging for building rescue scenarios





808-6000U



808-6002U



808-6003U

Simulaids Trauma Randy Upgrade Flash Moulage

- Ideal for training staff to prepare them to manage trauma stabilization
- Bleeding system is easy to use, provides hours of training, and features rapid changes in presentation for students and department members
- Realistic Flash Moulage System is designed for easy, rapid-fire use
- Deploy detailed moulages in seconds with the option of bleeding or non-bleeding presentation
- Randy manikin not included

Overlay Flash Moulage

- Includes 4 bleeding moulages, 1 deep bleeding packing wound, 3 shallow bleeding wounds, and 1 third degree burn
- Complete bleeding system overlay includes ports to support the optional flash moulage arm, leg, and head
- External blood management system and foot pump with gravity tank will work with clotting and non-clotting simulated blood products
- Includes 1 gallon of TrueClot® Blood Simulant Concentrate, TrueClot® Simulant Hemostatic Gauze (Rolled 3-Pack and Z-folded 3-Pack), 500 ml of TrueClot® Simulant Clotting Solution, and 1 flushing syringe to clear lines

808-6000U Sh. wt. 32 lbs.

Arm Flash Moulage

- Includes a trauma arm (right arm brachial overlay), packable wound (inside arm approx. ⅓ of arm depth opening to 12 mm, inside cavity 20-25 mm), and a left amputation arm, radial amputation for left arm, and bleed to stem with brachial tourniquet

808-6001U Sh. wt. 9 lbs.

Leg Flash Moulage

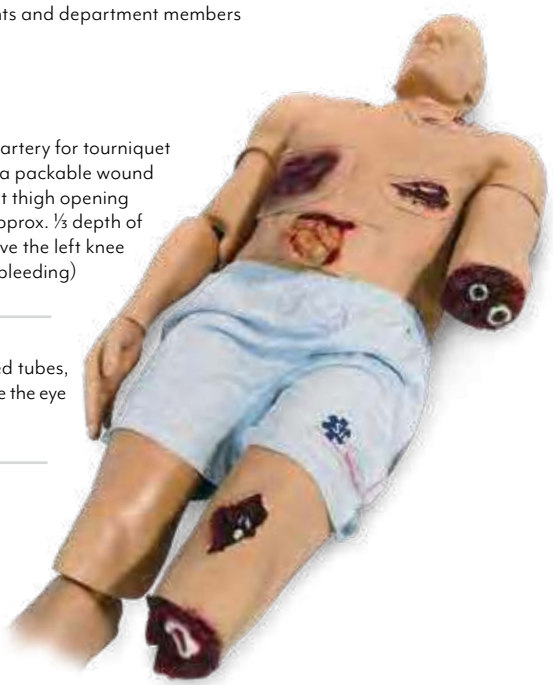
- Includes trauma shorts with femoral artery for tourniquet (for amputation leg use), high trauma packable wound (below femoral artery outside of right thigh opening to 12 mm, inside cavity 20-25 mm, approx. ⅓ depth of thigh), and amputation leg (just above the left knee femoral tourniquet on thigh to stem bleeding)

808-6002U Sh. wt. 17 lbs.

Head Flash Moulage

- 2 trauma points with 2 separate bleed tubes, left lower jaw and right forehead above the eye
- Bleeds are controlled with pressure

808-6003U Sh. wt. 5.50 lbs.



thermal imaging for building rescue scenarios





Simulaids TI Baby

- Can be seen through smoke and steam by comparing the surface heat to the surrounding environment
- TI manikins provide realistic and effective training to ensure that staff is kept safe and trained on the use and operation of thermal imaging equipment
- Special heaters operate off of standard 110V or 220V power outlets and reaches desired temperature in 15 minutes
- The 12-lb. manikin is 26 in. tall

149-1482U Sh. wt. 20 lbs.



149-9000U

Simulaids Randy 9000

- Joints withstand high stress and protect rescuers' fingers
- Made from rugged polyethylene (PE)
- Manikin comes in individual parts, each of which can be filled to distribute the manikin's weight
- Fill the individual pieces with water for an estimated 170-lb. weight increase
- Fill the pieces with sand or another substance that can easily be emptied from the pieces for an estimated 250-lb. weight increase
- Empty manikin is easily moved and stored
- Custom-molded construction ensures consistent size from 1 manikin to the next
- Each sealed piece is assembled with stainless steel hardware and is easy to replace
- Perfect for RIT, shipboard, heavyweight, horizontal rescues, or lightweight packaging exercises like spinal immobilization
- Use the manikin in all weather conditions and in fresh or salt water, but not in extreme heat
- Range of motion mimics real life
- Clothes or carry bag not included
- 25 in. x 29 in. x 19 in.

149-9000U Sh. wt. 68 lbs.

Replacement Parts for Randy 9000

Cat. No.	Description	Sh. wt.
149-9001U	Bladder kit	5.50 lbs.
149-9010U	Head	8 lbs.
149-9012U	Elbow joint	1.25 lbs.
149-9013U	Chest front	5.50 lbs.
149-9014U	Chest back	5.50 lbs.
149-9015U	Waist joint	2.25 lbs.
149-9018U	Thigh joint	1.25 lbs.
149-9021U	Lower front leg	2.25 lbs.
149-9023U	5 in. shoulder joint	1.25 lbs.
149-9024U	Upper arm	2.25 lbs.
149-9026U	Lower right arm	2.25 lbs.

Rescue Randy Manikins

Simulaids Rescue Randy Manikins

- Developed for lifelike patient handling, transportation, and extrication training
- Made for longevity and rugged use
- Fully articulated for positioning in widely diversified training environments
- Can be seated in an automobile, positioned in a smoke-filled room, and immobilized on a stretcher for mountain rescue instruction
- Useful for simulating the removal of victims from utility poles, conduits, mine cave-ins, tunnels, and limitless other training procedures
- 5 ft. 5 in. H
- Includes shorts
- 3-year warranty

55-lb. Rescue Randy

149-1338U Sh. wt. 64 lbs.

55-lb. Rescue Rudy

- An African-American version of Rescue Randy

149-1388U Sh. wt. 68 lbs.

105-lb. Rescue Randy

149-1335U Sh. wt. 125 lbs.

105-lb. Rescue Rudy

- An African-American version of Rescue Randy

149-1385U Sh. wt. 127 lbs.

125-lb. Rescue Randy

149-1390U Sh. wt. 149 lbs.

135-lb. Rescue Randy

149-1380U Sh. wt. 171 lbs.

145-lb. Rescue Randy

149-1344U Sh. wt. 165 lbs.

145-lb. Rescue Rudy

- An African-American version of Rescue Randy

149-1386U Sh. wt. 174 lbs.

160-lb. Rescue Randy

149-1339U Sh. wt. 199 lbs.

165-lb. Rescue Randy

149-1345U Sh. wt. 185 lbs.

165-lb. Rescue Rudy

- An African-American version of Rescue Randy

149-1387U Sh. wt. 197 lbs.

170-lb. Rescue Randy

149-1347U Sh. wt. 210 lbs.

Replacement Parts for 55-lb. Rescue Randy Manikin (149-1338U)

Cat. No.	Description	Sh. wt.
149-1340LU	Lower left arm/hand	5.50 lbs.
149-1340RU	Lower right arm/hand	5.50 lbs.
149-1341LU	Lower left leg/foot	8 lbs.
149-1341RU	Lower right leg/foot	8 lbs.
149-1346LU	Upper left arm	7 lbs.
149-1346RU	Upper right arm	7 lbs.
149-1347LU	Complete left arm	4 lbs.
149-1347RU	Complete right arm	4 lbs.
149-1348LU	Complete left leg	13 lbs.
149-1348RU	Complete right leg	13 lbs.

Replacement Parts for 105-lb. Rescue Randy Manikin (149-1335U)

Cat. No.	Description	Sh. wt.
149-1354LU	Lower left arm/hand	10 lbs.
149-1354RU	Lower right arm/hand	10 lbs.
149-1357LU	Lower left leg/foot	10 lbs.
149-1357RU	Lower right leg/foot	10 lbs.
149-1353LU	Upper left arm	2.25 lbs.
149-1353RU	Upper right arm	2.25 lbs.
149-1358LU	Upper left leg	15 lbs.
149-1358RU	Upper right leg	15 lbs.
149-1356LU	Complete left leg	8 lbs.
149-1356RU	Complete right leg	8 lbs.

Replacement Parts for
145-lb. Rescue Randy Manikin (149-1344U) and
165-lb. Rescue Randy Manikin (149-1345U)

Cat. No.	Description	Sh. wt.
149-1364LU	Lower left leg/foot	12 lbs.
149-1364RU	Lower right leg/foot	12 lbs.
149-1366LU	Upper left arm	9 lbs.
149-1366RU	Upper right arm	9 lbs.
149-1363LU	Upper left leg	18 lbs.
149-1363RU	Upper right leg	18 lbs.
149-1367LU	Complete left arm	14 lbs.
149-1367RU	Complete right arm	14 lbs.
149-1368LU	Complete left leg	32 lbs.
149-1368RU	Complete right leg	32 lbs.



149-1338U



Rugged Rescue Randy

- Increased durability and flexibility for improved and varied training exercises
- Tear-resistant joints provide the extra durability required for extreme training and the cable system adds strength and increases flexibility
- Reinforced joints and the ability for increased mobility available
- Extricate the manikin from vehicles, aircraft, or other restricted areas that previously created great training challenges

145-lb. Rugged Rescue Randy

149-1401U Sh. wt. 182 lbs.

165-lb. Rugged Rescue Randy I.A.F.F.

- Includes the same features as above plus additional reinforcement of the buttocks

149-1410U Sh. wt. 204 lbs.

165-lb. Rugged Rescue Randy

149-1400U Sh. wt. 204 lbs.

185-lb. Rugged Rescue Randy

149-1411U Sh. wt. 226 lbs.

train in places with greater realism/better outcomes

Flexible Rescue Randy

- Unit developed especially for the aero-space industry and wing tank fuel cell rescue training, but can be utilized in any confined space rescue
- Exceeds the flexibility of the regular Rescue Randy products because the head twists and the waist flexes to allow positioning the manikin under dashboards, in tight spots, and under things where the regular Randys will not go
- 5 ft. 5 in.

100-2710U Sh. wt. 61 lbs.

Carry Bag

- For use with 100-2710U and 149-1338U

150-1373U Sh. wt. 4 lbs.

Large Body Rescue Randy Carry Bag

- For use with 149-1475U and 149-1435U

PP2094U Sh. wt. 8 lbs.



100-2710U

Rescue Manikins

Simulaids Training Vests

- Designed with the assistance of the International Association of Fire Fighters (I.A.F.F.) to aid in the physical ability testing of fire department candidates
- Vest simulates the weight of the fire fighter's protective clothing and self-contained breathing apparatus
- Allows for the addition of two 12½-lb. weights on the shoulders to simulate a high-rise pack (hose bundle)
- Vest, shoulder weights, and Rescue Randy are exclusively required for the validated Candidate Physical Ability Test developed by the I.A.F.F./I.A.F.C. Joint Fire Service Wellness-Fitness Initiative
- 18 in. x 15 in. x 5 in.

20-lb. Training Vests
Sh. wt. 24 lbs.

950-1112SU Small
950-1112MU Medium
950-1112LU Large

40-lb. Training Vests
Sh. wt. 45 lbs.

950-1115SU Small
950-1115MU Medium
950-1115LU Large

50-lb. Training Vests
Sh. wt. 51 lbs.

950-1118U Small
950-1120U Medium
950-1125U Large

25-lb. Shoulder Weight Pair
- 17 in. x 5 in. x 3½ in.

Sh. wt. 27 lbs.

950-1000U



Simulaids Rescue Randy Harness

- Developed to move the manikins back to the starting position
- Constructed of 2 in. black nylon webbing
- Harness makes grabbing hold of manikins and containing the arms a simple process
- **WARNING:** For ground operations with manikins only, NOT for hoisting, rescue operations, or any victim use

149-1470U Sh. wt. 5.50 lbs.



149-1470U

Simulaids Soft Stretcher

- For use with patient simulators and manikins only
- Heavy nylon fabric and automotive seat-belt webbing
- Strong, lightweight, versatile, compact
- Use as a stair-chair or temporary transport lifter
- 6 handholds allow transport of up to 200 lbs.
- Machine washable and dryable
- Folds for compact storage
- 21 in. x 35 in.

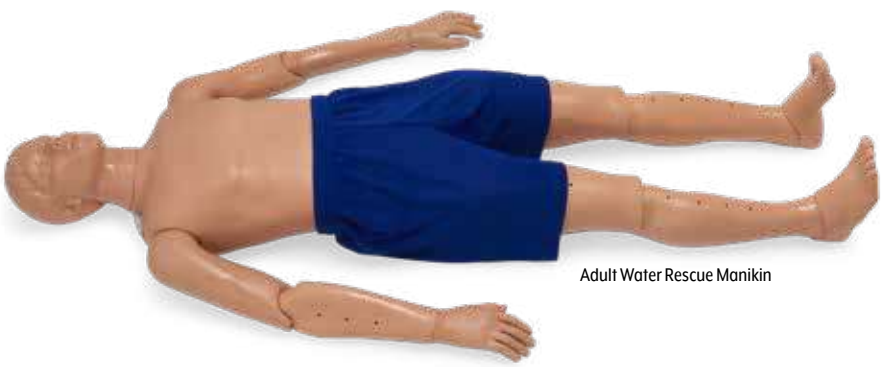
900-960U Sh. wt. 5 lbs.





Water Rescue Manikins





Adult Water Rescue Manikin



Adolescent Water Rescue Manikin

Simulaids Water Rescue Manikins

- Made of durable vinyl plastic with rust-resistant stainless steel skeletons, articulated joints, and optional CPR capabilities
- Will submerge to the neck when filled with water
- Add additional 5-10 pounds of weight to sink (weights not supplied; a brick will do)
- CPR Manikins will sink; a flotation device is needed
- 3-year warranty

Adult Water Rescue Manikin
- 65 in. x 23 in. x 9 in.

149-1326U Sh. wt. 52 lbs.

Adolescent Water Rescue Manikin
- 49 in. x 16 in. x 9 in.

149-1327U Sh. wt. 24 lbs.

Adult CPR Water Rescue Manikin
- Includes 5 mouth/nosepieces, 5 airway systems, and shorts
- 65 in. x 23 in. x 9 in.

149-1328U Sh. wt. 40 lbs.

Adolescent CPR Water Rescue Manikin
- Includes 5 mouth/nosepieces, 5 airway systems, and shorts
- 49 in. x 16 in. x 9 in.

149-1329U Sh. wt. 24 lbs.

Replacement Adult Head
- For use with both Adult Water Rescue Manikins listed above

149-1321U Sh. wt. 4.50 lbs.

Replacement Adult Right Arm
- For use with both Adult Water Rescue Manikins listed at left

149-1332RU Sh. wt. 0.50 lbs.

Replacement Adolescent Head
- For use with both Adolescent Water Rescue Manikins listed at left

149-1111U Sh. wt. 2.25 lbs.

Replacement Adolescent Left Foot
- For use with both Adolescent Water Rescue Manikins listed at left

149-1327LU Sh. wt. 2.25 lbs.

Replacement Adolescent Right Foot
- For use with both Adolescent Water Rescue Manikins listed at left

149-1327RU Sh. wt. 2.25 lbs.

Replacement Airway Systems
- For use with CPR Water Rescue Manikins
- Pkg. of 24

149-1333U Adult. Sh. wt. 2.75 lbs.
100-2955U Adolescent. Sh. wt. 4 lbs.

Water Rescue Manikins & Traction Splint Training

pediatric water rescue



Simulaids Rescue Cathy, Billy, & Timmy

- Excellent top and bottom water rescue devices, for adding the shock of realism to an otherwise ordinary practice procedure
- Will sink to the bottom when filled with water
- Not offered with CPR options
- 3-year warranty

Rescue Cathy — Newborn Size
- 7-lb. water-filled weight

149-1350U Sh. wt. 4 lbs.

Rescue Billy — 6- to 9-Month-Old
- 12-lb. water-filled weight

149-1352U Sh. wt. 5 lbs.

Rescue Timmy — 3-Year-Old Child
- 20-lb. water-filled weight

149-1351U Sh. wt. 8 lbs.



Simulaids Traction Splint Trainer

- Monitors how much force is applied to a patient's leg
- Set to correspond to an individual's body weight
- Can be adjusted for body weights in the 100-lb. to 300-lb. range
- Electrical, push-button panel makes simplified selection easy
- After applying traction, the deformity of the thigh recedes and splint can be applied, including any standard ankle hitch
- 1-year warranty

101-031U Sh. wt. 33 lbs.

Extended Warranty for Traction Splint Trainer

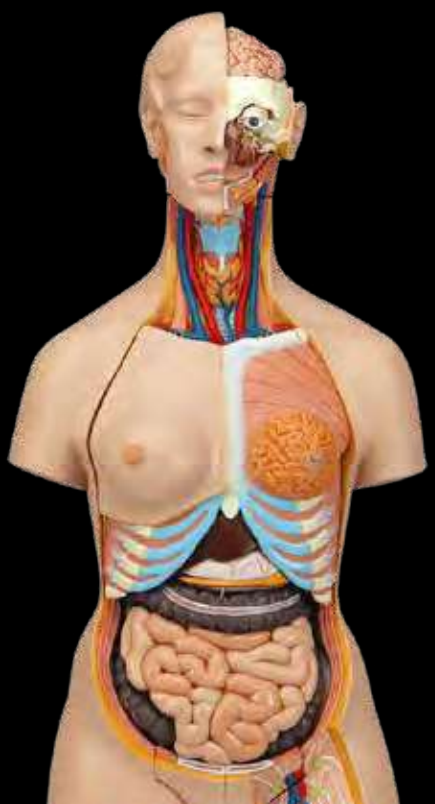
101-031WU



ANATOMY

Dental A-3
Muscle & Fat Replicas ..... A-4 – A-5
Life/form® Enhanced Muscle Replicas A-4
Life/form® Body Muscle Replicas A-4
Life/form® Body Fat Replicas A-5
Anatomical Models ..... A-6 – A-26

Be READY





BE READY WITH NASCO HEALTHCARE

THE INDUSTRY LEADER IN TRAINING SIMULATION FOR

80+ YEARS

Nasco HEALTHCARE





Dentition Development

- Cast from natural specimen
- 4 upper and lower jaw halves show 4 different stages of development
  - o Newborn infant
  - o Approx. 5-year-old child
  - o Approx. 9-year-old child
  - o Young adult
- 13 in. x 4 in. x 7⅞ in.

SB41406U Sh. wt. 1.50 lbs.

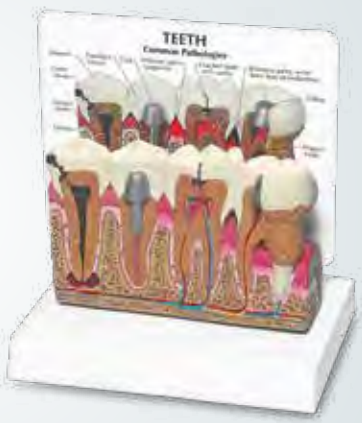


Dental Disease Model

- Based on an adult's lower jaw with soft gums and 16 removable teeth
- One side shows 8 healthy teeth and healthy gums
- Other side shows the following dental diseases: plaque, calculus (tartar), periodontitis, inflammation of the root, and fissure, approximal and smooth surface caries
- One part of the front bone section can be removed to view the roots, vessels, and nerves
- 2 molars are sectioned along the length to show the inside of the tooth
- 21 parts, mounted on base
- 7 in. x 10¼ in. x 7¼ in.
- 3-year warranty

SB41498U Sh. wt. 2.75 lbs.

meaningful representation of common dental problems



Teeth

- Features many common dental problems, some of which are: abscess, advanced periodontitis, cavity, crown decay, filling, gingivitis, plaque, and severe bone loss
- 5½ in. x 2 in. x 3½ in.
- Includes 6½ in. x 5¼ in. education card

SB35432U Sh. wt. 1.75 lbs.



Mr. Clean Mouth™ Display

- Model is 3 times life-size and has normal anatomy
- Great for teaching proper brushing and flossing techniques
- Includes giant toothbrush and carry case

SB29825U Sh. wt. 7.50 lbs.



Mr. Gross Mouth™

- Hinged model of the teeth, tongue, and oral cavity show the effects of using smokeless tobacco
- Includes a bottle of simulated tobacco juice and instructions to make the tongue "spit"
- 3 times normal size
- 6 in. x 4 in. x 8 in.

SB22331U Sh. wt. 3.50 lbs.



Clear Human Jaw with Teeth

- Full-size hinged clear cast jaw allows viewing of roots
- Healthy side shows normal dentition and occlusion
- Affected side shows multiple pathologies, including super eruption, apical alveolar abscess with caries, periodontal disease, lateral abscess, abfraction, irregular root curvature, impacted canine, erosion, fractured tooth, horizontal impact, radicular pulpitis, root canal with crown, internal resorption, attrition, external resorption of root, implants, and fractured root
- 3½ in. x 2¾ in. x 2½ in.
- Includes 6½ in. x 5¼ in. education card

SB48717U Sh. wt. 0.75 lbs.

Muscle & Fat Replicas



1.



3.



2.



4.

5.

Life/*form*® Enhanced Muscle Replicas

- Realistic visual representations of well-defined adult muscles
- Represents approximate volume of a real muscle; weights vary
- Made of soft vinyl plastic

Enhanced Anatomical Muscle Set

- Includes the 1-lb. and 5-lb. replicas listed below

WA25988U Sh. wt. 8 lbs.

1. Enhanced 5-lb. Muscle Replica

- Realistically replicates a human calf muscle

WA24038U Sh. wt. 6 lbs.

2. Enhanced 1-lb. Muscle Replica

- Realistically replicates the human deltoid muscle

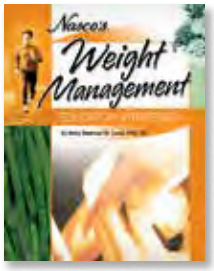
WA24832U Sh. wt. 1.25 lbs.

Compare volume of muscle to that of fat... muscle is 18% more dense.

Life/*form*® 20-lb. Body Fat Vest

- Temporarily experience a 20-lb. increase of body fat
- Wear for 10 minutes to experience some of the physical changes that occur with weight gain
- Aids in understanding and empathy with the issues of obesity
- Includes 20-lb. Body Fat Vest with heavy webbed straps, a publication entitled *Weight Management Education Strategies* (WA21219U below), and carry case

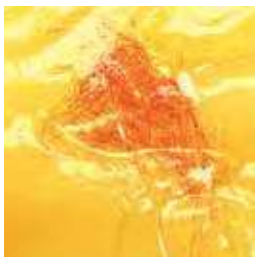
WA15348U Sh. wt. 32 lbs.



Weight Management Strategies Book Only

WA21219U Sh. wt. 0.56 lbs.

Close-up of fat veins





***Life*/*form*®**
20-lb. Body Fat Vest

Life/*form*® Body Muscle Replicas

- Realistic 3-D replicas visually portray body muscle
- Shows the muscle configuration developed through exercise
- Made of long-lasting vinyl plastic
- Replicas represent approximate volume of real muscle tissue; weights vary

5-lb. Muscle Brick Replica

WA33729U Sh. wt. 6 lbs.

3. 5-lb. Muscle Replica

WA08836U Sh. wt. 6.50 lbs.

1-lb. Muscle Brick Replica

WA33728U Sh. wt. 1.25 lbs.

4. 1-lb. Muscle Replica

WA14573U Sh. wt. 1 lb.

5. 1-oz. Muscle Replica

WA23628U Sh. wt. 0.19 lbs.



5-lb. Fat and 5-lb. Muscle Replica Stand

LF09918U Sh. wt. 0.56 lbs.

Life/form® Body Fat Replicas

- Dramatic, 3-D visual replicas of human fat
- Made of soft, pliable, long-lasting vinyl plastic
- Replicas represent approximate volume of real fatty tissue; weights vary

5-lb. Fat Brick Replica

WA33727U Sh. wt. 6 lbs.

1. 5-lb. Fat Replica

WA04313U Sh. wt. 5.50 lbs.

1-lb. Fat Brick Replica

WA33726U Sh. wt. 1.25 lbs.

2. 1-lb. Fat Replica on Base

- Represents the volume for 1 lb.
- Does NOT weigh 1 lb.

WA07173U Sh. wt. 1.25 lbs.

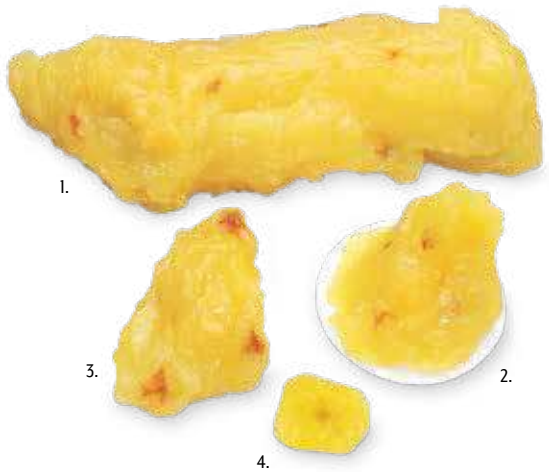
3. 1-lb. Fat Replica

- 3-D — volume and weight of replica is 1 lb.

WA14533U Sh. wt. 1.25 lbs.

4. 1-oz. Fat Replica

WA23627U Sh. wt. 0.19 lbs.



For complete descriptions, contact your local distributor.

Body Fat & Muscle Replicas

- Brick-shaped replicas represent approximate volume of real muscle tissue
- Weights vary

1-lb. and 5-lb. Fat Brick Replicas (WA33726U and WA33727U); 1-lb. and 5-lb. Muscle Brick Replicas (WA33728U and WA33729U)

WA33730U Sh. wt. 14 lbs.

1-lb. and 5-lb. Fat Replicas (WA14533U and WA04313U); 1-lb. and 5-lb. Muscle Replicas (WA14573U and WA24038U)

WA25815U Sh. wt. 14 lbs.

1-lb. Fat (WA33726U) and 1-lb. Muscle (WA33728U) Brick Replicas

WA33809U Sh. wt. 2.50 lbs.

5-lb. Fat (WA04313U) and 5-lb. Muscle (WA24038U) Replicas

WA25814U Sh. wt. 12 lbs.

1-lb. Fat (WA14533U) and 1-lb. Muscle (WA14573U) Replicas

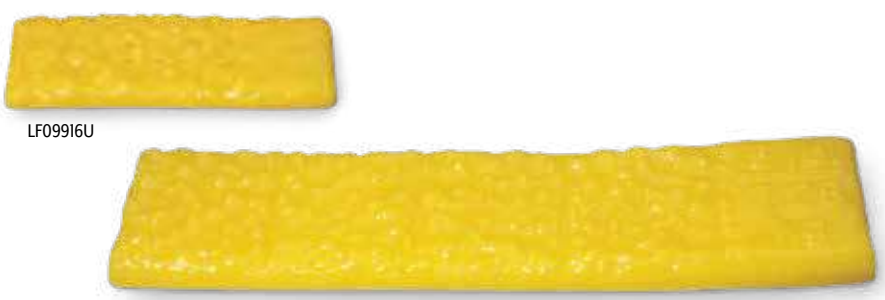
WA14562U Sh. wt. 2.25 lbs.

1-lb. (WA14533U) and 5-lb. (WA04313U) Fat Replicas

WA14574U Sh. wt. 6.50 lbs.

1-lb. (WA14573U) and 5-lb. (WA24038U) Muscle Replicas

WA25813U Sh. wt. 6.50 lbs.



LF09916U

LF09917U

Life/form® Fat Rolls

- Developed with the look and feel of real fat
- Wrap around arms, legs, or waistline for demonstration and discussion of fat accumulation in different areas of the body
- Models are approximate weight and volume of fat

Fat Roll Set

- Includes 1 of each Fat Roll listed below

LF09915U Sh. wt. 7 lbs.

1-lb. Fat Roll

- 4 in. W x 11 in. L x ¾ in. D

LF09916U Sh. wt. 1.25 lbs.

5-lb. Fat Roll

- 5½ in. W x 24 in. L x 1 in. D

LF09917U Sh. wt. 5.50 lbs.



Anatomical Models – Respiratory



Lung Model with Larynx (7-Part)

- Model illustrates the following features:
  - o Aorta
  - o Diaphragm
  - o Esophagus
  - o Heart, 2-part, removable
  - o Larynx, 2-part, removable
  - o Lungs, 2, front halve removable
  - o Pulmonary artery
  - o Subclavian artery and vein
  - o Trachea with bronchial tree
  - o Vena cava
- Model comes mounted on a sturdy baseboard and includes key card
- 12¼ in. x 16 in. x 4¾ in.

SB41144U Sh. wt. 6 lbs.



Type 2 Diabetes Set

- Education card illustrates effects associated with Type 2 diabetes, including stroke, non-inflammatory disease of the retina, hypertensive heart disease, hardening of the kidney, hardening of the arteries, insulin resistance, neuropathy, and foot ulcerations
- Models include miniature brain, eye, heart, kidney, artery, pancreas, neuron, and foot
- Model display stands 10 in. tall

SB46335U Sh. wt. 3 lbs.

Swab Test Training Model

- Ideal for learning correct nasopharyngeal swab testing technique for the diagnosis of Covid-19, influenza and other respiratory infections
- Openings to sculpted nasal and oral cavities behind a see-through cover
- Standard nasopharyngeal swabs can be passed through the nasal passage
- Standard tongue depressors can be inserted into the mouth to depress the flesh-like tongue
- A durable and affordable product that is a must-have educational resource in clinics, public health facilities and medical offices
- 14½ in. x 8 in. x 6 in.

HC53412 Sh. wt. 5 lbs.





Lung Set with Pathologies

- Full-size 2-sided model of 2 separate lungs with 4 cutaway sections illustrating normal anatomy and the effects of Chronic Obstructive Pulmonary Disease (COPD), cancer, and asthma
- Includes education card
- Made of durable high-quality materials
- 8¼ in. x 4¼ in. x 5½ in.

SB44894U Sh. wt. 2.75 lbs.

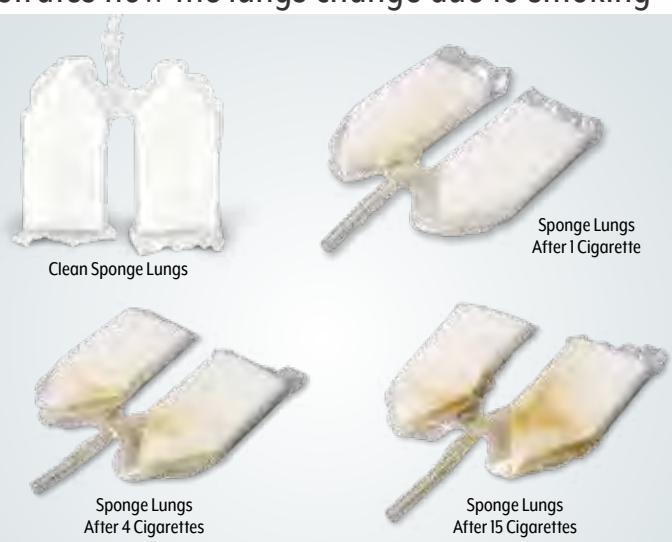


Thyroid Model

- Set of 4 average size thyroids and larynx
- Models show normal thyroid, Hashimoto's Thyroiditis (lymphocytic thyroiditis), Graves' Disease, papillary carcinoma, and the following structures: hyoid bone, thyroid membrane, thyroid cartilage, cricoid cartilage, and trachea
- Made of durable, high quality materials
- Larynx model measures: 5½ in. x 2 in. x 3½ in.
- Thyroid models measure: 2 in. x 1¼ in. x 2 in., 3 in. x 1½ in. x 2 in., and 2¾ in. x 1½ in. x 2¼ in.
- Base size: 8¾ in. x 6¼ in.
- Card size: 8¼ in. x 6¼ in.

SB46541U Sh. wt. 1.75 lbs.

illustrates how the lungs change due to smoking



Sponge Lungs Demonstration Kit

By Jon W. Hisgen

- Use to "smoke" 1, 4, and 15 cigarettes during 3 separate class periods
- Students create logs in their notebooks to record the appearance and smell of the lungs, and the appearance of the plastic bronchial tube

LF01135U Sh. wt. 0.56 lbs.

Anatomical Models – Digestive & Urinary Systems

Digestive System Model (3-Part)

- Life-size model shows the human digestive tract from mouth cavity to rectum
- Oral cavity, pharynx, and first part of the esophagus are dissected along the medial sagittal plane
- Liver is shown together with the gallbladder
- Pancreas is dissected to expose internal features
- Stomach is open along the frontal plane
- Duodenum, caecum, part of the small intestine, and the rectum are open to expose the interior
- Transverse colon is removable
- An additional relief model of the head shows the anatomy of the mouth with salivary glands
- Mounted on board
- 35½ in. x 12 in. x 5 in.

LA00203U Sh. wt. 4.50 lbs.





Kidney Model with Pathologies

- Oversized 2-sided kidney model has a normal anatomy cutaway on one side and a disease anatomy cutaway on the other side depicting infection, scarring, atrophy, urinary (kidney) stones, tumor, polycystic disease, and hypertension effects
- 3¾ in. x 2½ in. x 6½ in.

SB46337U Sh. wt. 1.25 lbs.

Digestive System (3-Part)

- Deluxe life-size model which demonstrates the entire digestive system in graphic relief

Features:

- Nose
- Mouth cavity
- Pharynx
- Esophagus
- GI tract
- Liver with gall bladder
- Pancreas
- Spleen

- Duodenum, cecum, and rectum are opened
- Transverse colon and front stomach wall are removable
- Mounted on baseboard
- 31⅞ in. x 13 in. x 3⅞ in.

SB41510U Sh. wt. 12 lbs.



Life-Size Stomach Model (2-Part)

- Dissected along the medial plane
- Open to show the internal structure of the stomach, including the mucosa, the pylorus, and a section of the gastric wall
- Also shows the superficial muscular layers and the blood vessels
- Mounted on base with stand
- 4⅛ in. x 5⅞ in. x 2¼ in.

LA00204U Sh. wt. 1.75 lbs.





Anatomical Models – Vascular System



Deluxe Occluded Artery Model

- Demonstrating the healthy benefits of a healthy cholesterol level and the deadly effects of high cholesterol
- The 2 tubes represent a normal artery and an artery constricted by plaque
- When the model is turned over, the blood in the healthy artery flows swiftly to the top, while the blood in the occluded artery slows and even stops completely
- Made of durable plastic
- 7 in. x 12 in. x 3 in.

SB43034U Sh. wt. 5.50 lbs.

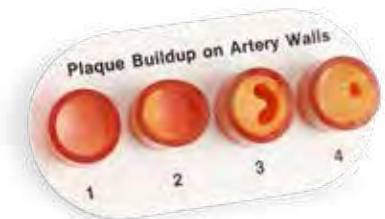


Life/form® Diabetes Mellitus Teaching Kit

Betty Wedman-St. Louis, PhD, RD, LD.

- Explains the signs, symptoms, and health problems associated with diabetes
- Included 4-page booklet discusses diagnosis, treatment, complications, eyes, kidneys, arteries, and nerves
- 3-D model is mounted on a sturdy, 9 in. x 12 in. plaque with wire stand for easy desk or tabletop display
- Hand-painted

WA20495U Sh. wt. 2.50 lbs.



Artery Sections with Blockage

- Great for inspiring cholesterol reduction
- 4 sections of artery showing different levels of blockage are mounted on a sturdy base
- 6¼ in. x 3¼ in.

WA09742U Sh. wt. 0.31 lbs.



Jumbo Heart Model (3-Part)

- Dissectible into 3 parts showing anterior, posterior, and inferior views
- Plastic model also contains details usually found on more expensive models
- Labeled diagram included
- 9½ in. x 9½ in. x 11 in.

LA00108U Sh. wt. 7 lbs.



Heart with Esophagus and Trachea Model

- 5-part model is 2 times life-size
- Shows the anatomy of the human heart in great detail with ventricles, atria, valves, veins, and the aorta
- Atrium walls and front heart wall are removable
- Also depicts the upper section of the esophagus, the upper bronchi, and the ascending aorta
- Comes on removable stand
- 12⅝ in. x 7 in. x 7 in.

SB41433U Sh. wt. 3.75 lbs.



Pumping Heart Model

- Create a memorable exploration of how the heart and lungs work together for oxygen exchange
- A simple hand pump demonstrates basic heart and pulmonary blood flow
- No mess — liquid is sealed in
- Includes clearly labeled heart chambers, main artery, veins, lungs, and activity guide
- 12 in. L x 11 in. W x 5 in. D

SB48204U Sh. wt. 3.25 lbs.

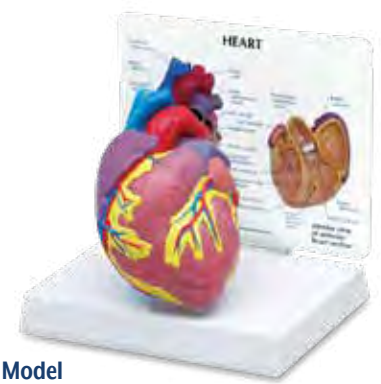
coronary bypass made clear



Heart of America Plus™ with Coronary Bypass Vessels

- Twice life-size
- Attachable/detachable bypass vessels let you demonstrate single, double, triple coronary bypasses
- Demonstrate LIMA bypass employing the left internal mammary (internal thoracic) artery
- Demonstrate bilateral IMA bypasses utilizing both the right and left internal mammary arteries
- Full internal access to all heart chambers and valves even with bypass vessels in place
- Use the bypass tubing with built-in quick-connects to:
  - Connect the ascending aorta to the coronary arteries
  - Instantly install single, double, or triple bypasses
  - Represent grafts of the saphenous vein of the lower leg
- To demonstrate the anatomy of the normal healthy heart, detach all bypass vessels
- 7 in. x 7 in. x 17 in.

SB29919U Sh. wt. 4 lbs.



Heart Model

- 2-piece model opens in half
- Show inner chambers, heart valves, aortic arch, superior and inferior vena cava, and pulmonary and cardiac veins
- 3¾ in. x 4 in. x 4¼ in.
- Card size: 6½ in. x 5¼ in.

SB32595U Sh. wt. 2 lbs.





Nasco *Life/form*® Human Reproduction and Development Kit

- Depicts the actual size and developmental stages of human development
- Offers a complete approach to an understanding of human reproduction from fertilization to birth
- Contains 9 hands-on plastic models and replicas
- Teaching guide provides in-depth background information, study questions, black line drawings, and a CD-ROM in PowerPoint® format
- 5-year warranty

WA25812U Sh. wt. 11 lbs.

- Actual Reproductions — No Modeling
- Dramatic Detail
- Durable Vinyl — Allows Student Handling
- 7 Stages Available
- Also includes *The Miracle of Life* DVD program

The Miracle Of Life

- Voyage through the human body as new life begins
- Camera follows the development of the single new cell into an embryo, then a fetus, until finally a baby is born
- 60 minutes

WA25759U Sh. wt. 0.56 lbs.

Fetal Development PowerPoint®

- Designed for those who have the kit (WA25812U) above but don't use an overhead projector
- Project the images from your computer with this PowerPoint® program
- PowerPoint® Viewer included

WA29730U Sh. wt. 0.19 lbs.



Human Reproduction and Development Text

- Includes background information and study questions
- ©1977; revised ©2012

WA31291U Sh. wt. 0.50 lbs.

Human Fetus Replicas*

- Add dramatic realism to the study of prenatal human development
- Actual reproductions for studying external development and growth of the fetus
- Teaching guide included
- 5-year warranty

LF00707U 7-8 Week. Sh. wt. 0.19 lbs.
LF00828U 13 Week. Sh. wt. 0.38 lbs.
LF00813U 20 Week. Sh. wt. 0.63 lbs.
LF00829U 5-Month Female. Sh. wt. 0.75 lbs.
LF00830U 5-Month Male. Sh. wt. 0.75 lbs.
LF00708U 7-Month Female. Sh. wt. 2 lbs.
LF00931U Full-Term Male. Sh. wt. 7 lbs.

*Indicates replica included in kit WA25812U at left.



Anatomical Models – Fetal & Pregnancy Models



Childbirth Model

- Shows the 5 stages of birth:
  - o Fetus in uterus with os uteri closed
  - o Fetus in uterus with os uteri open
  - o Beginning of the emergence of the head
  - o Complete emergence of the head
  - o Placenta in the uterus
- Each stage is on a separate base
- Life-size

SB23505U Sh. wt. 28 lbs.



Pregnant Woman Model

- 3-part model
- Life-size median section of a female in the 9th month of pregnancy
- Placenta is in the uterus
- Fetus is removable

SB23480U Sh. wt. 16 lbs.



Gaumard® Intrauterine Human Development Models and Fetal Ultrasounds

Display

- 8 hand-painted, anatomically accurate models range from 4 weeks to 7 months (including 5-month twins)
- Depicts the fetus inside coronally dissected pregnant uteri from the first through seventh month of pregnancy
- second- and third-trimester fetuses are removable
- Each model is individually mounted on smoked Lucite® base
- Includes instruction manual

CD-ROM

- View over 200 digital videos with accompanying text describing normal and abnormal fetal conditions during the first, second, and third trimesters
- Fetal images range from 12 weeks to near term and were prepared in cooperation with experts at major teaching centers

SB46516U Display and CD-ROM. Sh. wt. 16 lbs.

SYSTEM REQUIREMENTS: Windows® 98 and higher.



Fetus Development Set

- Illustrates the detailed stages of pregnancy development
- Set of 8 models (14 pieces) includes:
  - o 1st-month embryo
  - o 2nd-month embryo
  - o 3rd-month embryo
  - o 4th-month fetus in transverse lie position
  - o 5th-month fetus in breech position
  - o 5th-month fetus in transverse lie position
  - o 5th-month twin fetuses
  - o 7th-month fetus
- Each model is on a base and measures approx. 4½ in. x 6 in. x 8 in.

SB47759U Sh. wt. 8.50 lbs.

Childbearing, the Classic Series

- Illustrations by artist Jan Ruby Baird
- Includes illustrations of female and male reproductive anatomies, conception, fetal development, pregnancy changes, entire birth process, and normal newborn appearance
- Over 70 line drawings provide additional topics for quick reference
- 57 full-color illustrations are combined in a set of 22 charts (23 in. x 20 in.) wire-bound in a storage case that opens to create its own display easel
- Fully illustrated teaching notes included

SB15913U Sh. wt. 8 lbs.





Full Eye Model

- Oversized normal model of the human eye
- Split shell construction allows for viewing inner anatomy including the optic nerve, disc, macula, retina, central retinal artery, and vein
- Lens and cornea are removable
- 5 in. x 3 in. x 4 in.
- Key card measures: 6½ in. x 5¼ in.

SB48129U Sh. wt. 1.50 lbs.



Eye in Orbit (7-Part)

- 3 times life-size
- Human eyeball can be dissected into the following:
  - Choroid (both halves) with iris and retina
  - Lens
  - Optic nerve in its natural position in the bony orbit (floor and medial wall)
  - Sclera (both halves with cornea and eye muscle attachments)
  - Vitreous humor
- 7 in. x 10¼ in. x 7½ in.

SB41431U Sh. wt. 3 lbs.



Brain with Arteries on Base of Head (8-Part)

- Medially divided deluxe brain with opened head
- Human head is horizontally divided above the skull base
- Model shows the arteries in detail
- Basilar artery is removable
- Both halves can be disassembled into frontal with parietal lobes, temporal with occipital lobes, half of brain stem, and half of cerebellum
- Includes base
- 6 in. x 6 in. x 9 in.

SB41429U Sh. wt. 4.50 lbs.



Regional Brain (2-Part)

- Life-size brain model with distinct color coding for the following regions:
  - Brain stem
  - Cerebellum
  - Frontal lobe
  - Limbic cortex
  - Occipital lobe
  - Motor cortex
  - Parietal lobe
  - Somatosensory cortex
  - Temporal lobe
- Mounted on base
- 6¼ in. x 8 in. x 5½ in.

LA00236U Sh. wt. 3.50 lbs.



Denoyer-Geppert Giant Functional Brain

- Twice life-size brain displays motor and sensory functional centers in contrasting colors
- Depicts the brain of a right-handed person
- Intellectual functions of the prefrontal area are labeled
- Painting highlights functional centers on both brain hemispheres
- Labeling on the centers is restricted to sensory regions on the right half and motor regions on the left
- More than 120 additional anatomical features, hand-numbered on the brain, are identified in the accompanying instructor's answer key
- Rests upon a detachable molded display base which allows observation of the brain from all aspects
- Life guarantee on craftsmanship
- Made in the U.S.A.

SB18825U Sh. wt. 4.50 lbs.



Brain Model (8-Part)

- A very detailed model of the human brain that is medially divided
- Delivered on metal stand (not depicted)
- Both halves can be disassembled into:
  - Brain stem, half
  - Cerebellum, half
  - Frontal with parietal lobes
  - Temporal with occipital lobes
- 5½ in. x 6¼ in. x 5½ in.

SB41143U Sh. wt. 3 lbs.

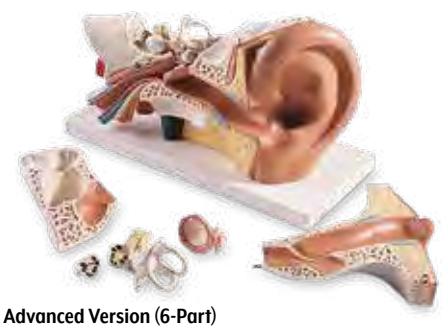


Giant Ear (3 Times Life-Size)

Classic Version (4-Part)

- Representation of outer, middle, and inner ear
- Removable eardrum with hammer and anvil
- 2-part labyrinth with stirrup, cochlea, and auditory/balance nerve
- On base with multilingual key card
- 13⅜ in. x 6¼ in. x 7½ in.

SB19254U Sh. wt. 4 lbs.



Advanced Version (6-Part)

- Same features as SB19254U but with 2 removable bone sections to close the middle and inner ear

SB41430U Sh. wt. 3.75 lbs.



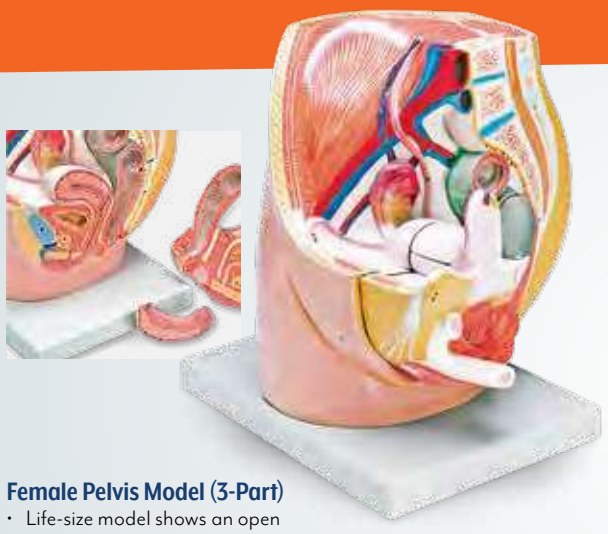
Ear Model

- 1-piece, full-size model
- Shows outer ear, ear canal, and inner ear mechanisms including ossicles, cochlea, nerve, and eustachian tube
- Mounted on a plastic base

SB32980U Sh. wt. 1.25 lbs.

Anatomical Models – Reproductive & Urinary System

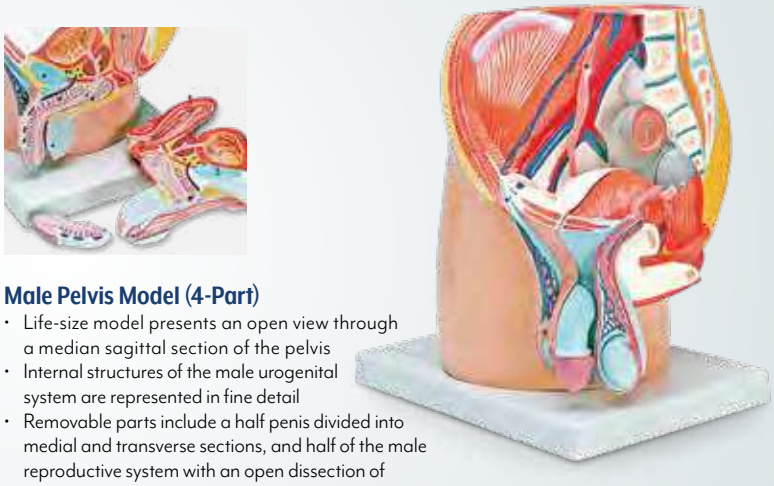
detailed depiction for deeper understanding



Female Pelvis Model (3-Part)

- Life-size model shows an open dissection through the median sagittal section of the pelvis
- Internal structures of the female urogenital system are portrayed in great detail
- Removable parts include half of the female reproductive system with the uterus opened to reveal medial and transverse sectional views
- Mounted on base
- 10 in. x 7 in. x 10½ in.

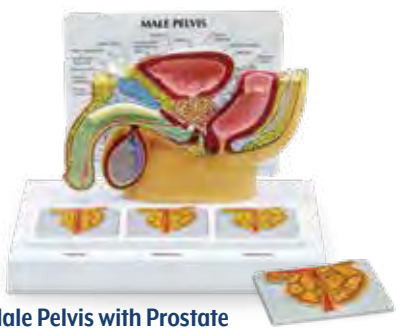
LA00247U Sh. wt. 5.50 lbs.



Male Pelvis Model (4-Part)

- Life-size model presents an open view through a median sagittal section of the pelvis
- Internal structures of the male urogenital system are represented in fine detail
- Removable parts include a half penis divided into medial and transverse sections, and half of the male reproductive system with an open dissection of a testis showing details of the internal structure
- Mounted on base
- 10 in. x 7 in. x 10¾ in.

LA00248U Sh. wt. 5.50 lbs.



Male Pelvis with Prostate

- ½ scale, mid-sagittal section of the male pelvis
- Base displays three 3-D cross-sections of the prostate gland
- Sections represent the stages of Benign Prostatic Hyperplasia (BPH) or enlarged prostate: normal, moderate, and advanced
- 8 in. x 2½ in. x ¼ in. panel with 6½ in. x 5¼ in. key card

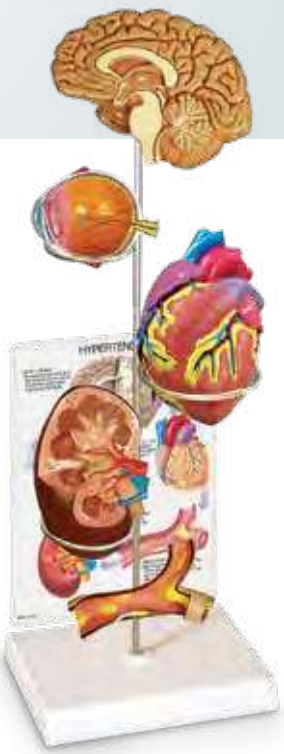
SB47321U Sh. wt. 2 lbs.



Female Pelvic Skeleton with Organs

- Includes the skeleton listed above with uterus, rectum, urinary bladder, ligaments, and muscles

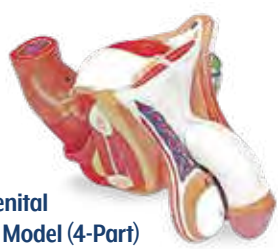
SB50955U Sh. wt. 2.75 lbs.



Hypertension Model Set

- Includes miniature brain, eye, heart, kidney, and artery models
- Education card illustrates effects associated with hypertension: glaucoma, arteriosclerosis, arterial plaque, kidney failure, and stroke
- Model display stands 13½ in. tall
- Card size: 6½ in. x 8¼ in.

SB40233U Sh. wt. 2.25 lbs.



Male Genital Organs Model (4-Part)

- Life-size model is dissected through the median sagittal plane to provide excellent views of external and internal structures
- Removable parts include 2 halves of the penis showing medial and transverse cuts, and 2 halves of the male reproductive system with excellent detailing of internal structures
- 5½ in. x 7¾ in. x 4¾ in.

LA00254U Sh. wt. 2 lbs.



Uterus

- Full-size cross-section model illustrates multiple pathologies, some of which include adhesions, carcinoma in 4 common areas, cysts, endometriosis, fibroids, pedunculated fibroid tumor, polyps, and salpingitis
- 8¾ in. x 6¼ in. x 2½ in.
- Includes 8¼ in. x 6¼ in. education card

SB35435U Sh. wt. 2 lbs.



Dual Sex Urinary System (6-Part)

- This all-in-one model shows:
  - Aorta with its branches including iliacal vessels
  - Inferior vena cava
  - Kidney with adrenal gland
  - Large and small pelvis with bones and muscles
  - Rectum
  - Structures of retroperitoneal cavity
  - Upper urinary tract
- Front half of the right kidney is removable
- Includes easy-to-change male insert (bladder and prostate, front and rear half) and female insert (bladder, womb and ovaries, 2 lateral halves)
- Parts are numbered
- On baseboard
- 16 in. x 12¼ in. x 5⅞ in.

SB41440U Sh. wt. 7 lbs.

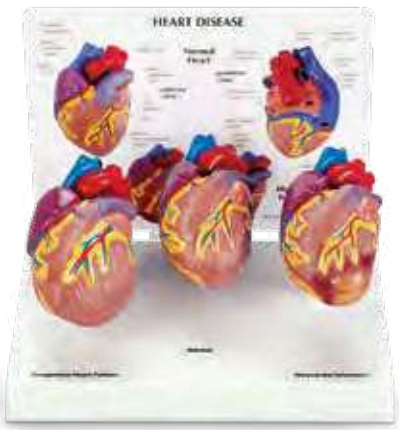
Human Blood Cells Model



- Enlarged 2,000 times
- Shows the various types of blood cells, including red blood cells, white blood cells (lymphocytes, monocytes, neutrophils, eosinophils, and basophils), and blood platelets
- Mounted on board
- 20¾ in. x 15 in. x 2½ in.

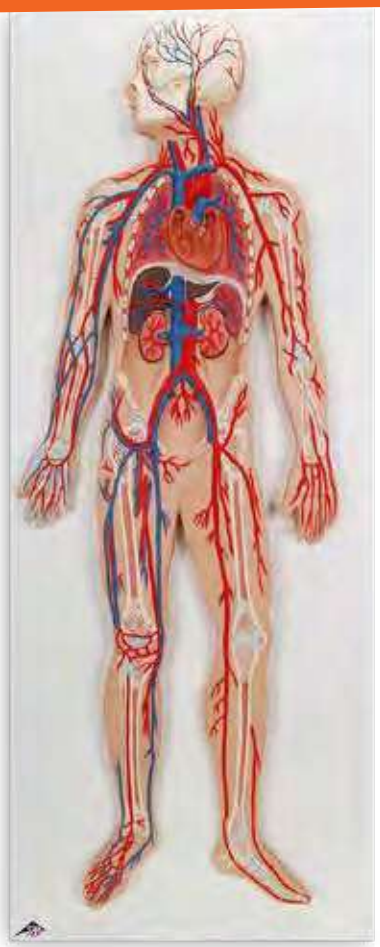
LA00201U Sh. wt. 11 lbs.

3-Piece Mini Heart Set Models



- Set of 3 heart models, each approximately 50% actual size:
  - **Model 1** — Shows normal heart anatomy
  - **Model 2** — Myocardial infarction model demonstrates a partially healed heart and 5 discolored infarct areas, including a thrombus in the apex of the heart
  - **Model 3** — Illustrates a heart with congestive heart failure as a result of hypertension. The left ventricle hypertrophy and the enlarged and distorted shape of the heart is shown both internally and externally
- Normal and myocardial infarction models measure 4 in. x 2¼ in. x 1¾ in.
- Congestive heart failure model is 4 in. x 2½ in. x 2¼ in.
- The 8¾ in. x 6¼ in. base holds a 6½ in. x 5¼ in. key card

SB44893U Sh. wt. 2.25 lbs.



Circulatory System

- ½ life-size relief model is ideal for teaching how the entire vascular system works in the human body
- It shows:
  - Arterial/venous system
  - Heart
  - Kidneys
  - Lung
  - Liver
  - Partial skeleton
  - Spleen
- 31½ in. x 11¾ in. x 2⅜ in.
- Delivered on baseboard

SB41436U Sh. wt. 11 lbs.

Cardiopulmonary System



- Fully three-dimensional, life-size model is made of unbreakable plastic
- Pieces are all in their natural position and include:
  - Esophagus
  - Heart
  - Larynx with vocal cords
  - Lungs
  - Trachea
- Heart and right half of the larynx can be removed
- Removing half of the left lung exposes the bifurcation off the trachea and bronchial tree, the pulmonary arteries, and veins
- Heart splits in halves to show its 4 chambers and valves
- Pulmonary circulation can be easily traced
- Major vessels of the systemic circulation are depicted, allowing blood flow demonstration
- Key identifies 58 numbered structures
- Mounted on a hardwood base
- 17 in. x 11 in. x 6 in.

SB17752U Sh. wt. 8 lbs.



Human Heart Model (2-Part)



- Life-size
- Anterior heart wall can be removed
- View the left and right ventricles, atria, and the tricuspid, pulmonary, mitral, and aortic valves
- Mounted on base with stand
- 4¼ in. x 3 in. x 3¾ in.

LA00200U Sh. wt. 1.50 lbs.

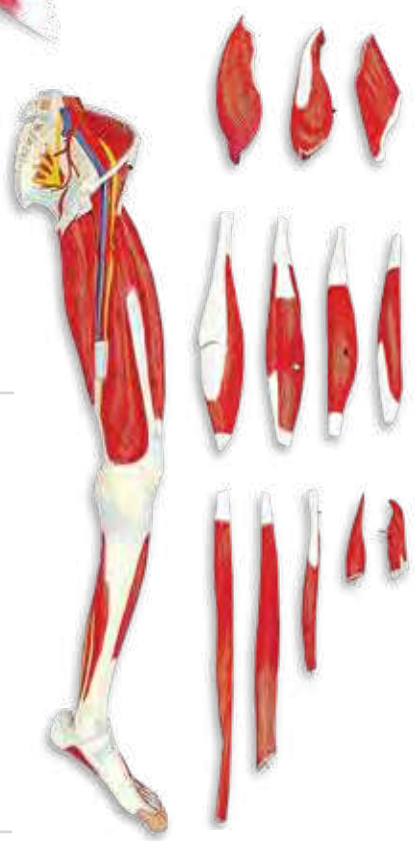
Anatomical Models – Musculatory Systems



Arm Muscle (7-Part)

- Life-size model shows the anatomical structure of the arm, complete with superficial and deeper muscles, vascular structures, nerves, and ligaments
- All structures are shown in great detail
- Hand and shoulder are also well represented
- The following parts are removable:
  - o Biceps muscle
  - o Deltoid muscle
  - o Palmar aponeurosis
  - o Triceps muscle
- Mounted on base with stand
- 29¼ in. x 8 in. x 4¾ in.

LA00129U Sh. wt. 12 lbs.



Leg Muscle (13-Part)

- Life-size model shows the anatomical structure of the leg in great detail
- Features superficial and deeper muscles, vascular structures, nerves, and ligaments. The following parts are removable:
  - o Extensor digitorum longus
  - o Gastrocnemius
  - o Gluteus maximus
  - o Gluteus medius
  - o Gracilis
  - o Long head of biceps
  - o Rectus femoris
  - o Sartorius
  - o Semitendinosus and semimembranosus
  - o Sole of foot Soleus
  - o Tensor fasciae latae
- Mounted on base with stand
- 43¼ in. x 7½ in. x 5¾ in.

LA00131U Sh. wt. 30 lbs.



The Thin Man: Sequential Human Anatomy Program

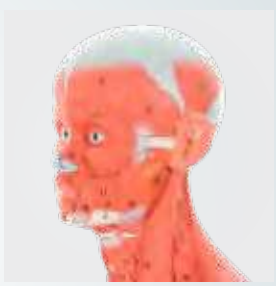
- Lets students explore body regions layer-by-layer for in-depth understanding
- Near life-size, full-color illustration of the human body details human anatomy in a way no chart or torso can duplicate
- A sequence of 4 transparent Mylar® overlays allows the peeling away of layer after layer of tissue, progressing ever more deeply into the body
- Offers valuable insight into the 3-D spatial relationships of principle structures, major vessels, and organ systems
- Back side has a full-figure view of the skeletal and nervous systems
- Mounted on a warp-proof composition board
- Supported by a tubular steel frame on a tip-proof 4-legged stand
- 63 in. tall
- Lifetime guarantee on craftsmanship
- Made in U.S.A.

SB23900U Sh. wt. 16 lbs.

desktop size for easy reference







Muscular Figure (¼ Life-Size)

- Hand-painted, superb-quality figure fits right on the desktop
- Superficial muscles of the human form are accurately reproduced and detailed in lifelike colors
- Right side contains a female mammary gland
- 22½ in. x 9⅞ in. x 7⅞ in.

SB27605U Sh. wt. 6.50 lbs.



Muscled Shoulder Model

- Semi-articulating model with ligaments and the infraspinatus, teres minor, teres major, subscapularis, and supraspinatus muscles
- Encapsulated humerus bone
- 5½ in. x 6 in. x 6 in.
- Base: 6½ in. x 5 in. x 1 in.
- Includes education card

SB35469U Sh. wt. 2.25 lbs.

exquisite muscular detail





Deluxe Dual-Sex Muscular Figure (45-Part)

- Depicts deep and superficial musculature, major nerves, vessels, tissues, and organs in exquisite detail
- Provides access to virtually any anatomical structure in the human body
- Figure can be dismantled into 45 pieces to reveal the fundamental interrelationships of human morphology
- Remove the calvarium to view the 3-part removable brain
- Look beneath the liver to reveal the gallbladder and bile duct
- Peer inside the appendix, stomach, lungs, heart, or kidney
- Remove and view the details of 13 different muscles of the arms and legs
- Also features interchangeable genital inserts and a female mammary gland
- Hand-painted in realistic colors
- Mounted on a convenient roller base
- Includes a detailed multilingual key card identifying the hand-numbered structures on the figure
- Includes the following removable parts:
  - Arm/shoulder muscles (5)
  - Detachable breast and belly covering, head, arms, and leg for detailed study
  - Female, 2-part inserts and male genital inserts, 4-part
  - Head with brain, 5-part
  - Heart, 2-part
  - Intestine system, 2-part
  - Leg/hip muscles (8)
  - Lungs, 2-part
  - Over 600 hand-numbered and identified structures
  - Stomach, 2-part
- 54⅜ in. x 19⅝ in. x 16½ in.

SB41424U Sh. wt. 42 lbs.



Complete Dual-Sex Muscular Figure with Internal Organs (33-Part)

- A perfect choice for thorough demonstrations of human musculature and internal organs where space is a concern
- Exquisitely hand-detailed and complete with 33 removable and/or dissectible parts
- Hand-painted in realistic colors
- Comes complete with stand and detailed multilingual key card
- Includes the following removable parts:
  - Almost 400 hand-numbered and identified structures
  - Arm/shoulder muscles, 5
  - Brain, 2-part
  - Detachable breast and belly covering and arms for detailed study
  - Female and male genital inserts, 2-part
  - Leg/hip muscles, 8
  - Lungs, 2
  - Heart, 2-part
  - Intestine system, 2-part
- 33 in. x 11¾ in. x 11¾ in.

SB41425U Sh. wt. 16 lbs.

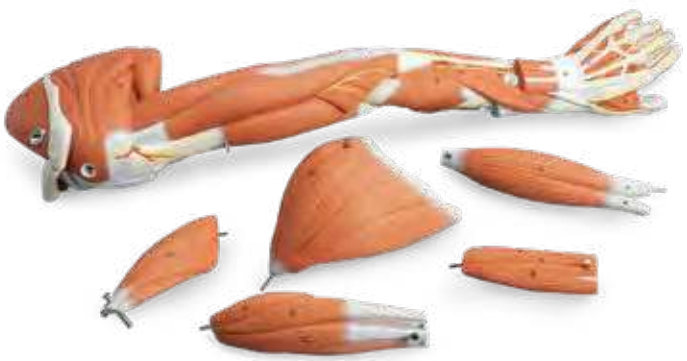
Anatomical Models – Multi System



Dissectible Muscled Leg (9-Part)

- Illustrates the superficial and deeper muscles, 8 removable
- Tendons, blood vessels, nerves, and bone components of the left leg and foot are shown in great detail
- Parts are numbered
- Delivered on removable stand
- 30¼ in. x 10¼ in. x 10¼ in.

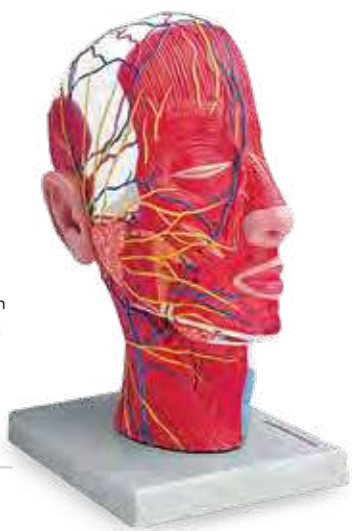
SB41513U Sh. wt. 11 lbs.



Dissectible Muscled Arm (6-Part)

- Illustrates the superficial and deeper muscles, 5 removable
- Tendons, blood vessels, nerves, and bone components of the left arm and shoulder are shown in great detail
- Parts are numbered
- Delivered on removable stand
- 23⅝ in. x 7⅛ in. x 7⅛ in.

SB41512U Sh. wt. 4.50 lbs.

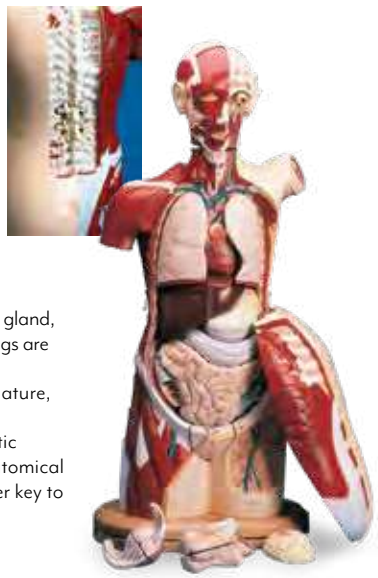


Half-Head Model

- Life-size model representing the right half of the human head and neck, sectioned along the sagittal plane
- A superficial dissection exposes the facial muscles, the superficial blood vessels and nerve branches of the face and scalp, and the parotid and submandibular glands
- A median dissection exposes the brain with its internal structure, the pharynx and upper respiratory tract, and a section of the cervical vertebrae
- Mounted on base
- 8 in. x 6 in. x 11½ in.

LA00140U Sh. wt. 4.50 lbs.

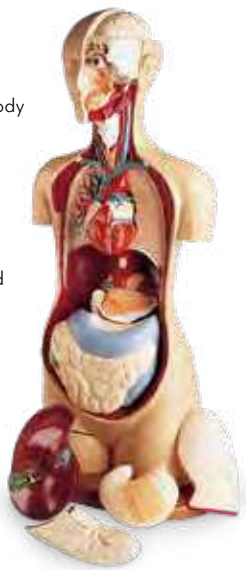
Signature Series Multi-Torso™



- Life-size and anatomically accurate
- Features 32 detachable parts
- 3 sets of interchangeable pelvic inserts include a 2-part sexless insert, and 4-part male and female inserts
- Hand-painted on both interior and exterior surfaces in more than 30 colors
- Hand-numbered to key code 628 structures
- Brain separates into 4 sections
- Heart, intestines, stomach, and bladder separate into 2 parts each
- Breastplate, major chest muscle, mammary gland, right kidney, liver, lumbar vertebrae, and lungs are all removable
- Life-size eyeball includes accurate musculature, and shows the lacrimal gland
- Constructed of pliable, unbreakable plastic
- Includes a cassette tape describing 11 anatomical systems with review questions, and answer key to coded structures
- Supplied on a hardwood turntable base

SB17091U Sh. wt. 64 lbs.

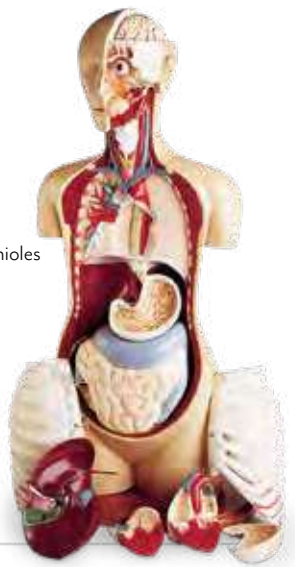
KnowBody™ Basic Teaching Torso



- Life-size
- Contains all basic anatomical details necessary for an introduction to the functional systems of the human body
- Features the following detachable parts:
  - Brain half, 1 piece
  - Eyeball
  - Heart, 2 halves, exceptionally detailed
  - Liver with gallbladder and segment of diaphragm
  - Lung, left
  - Lung, right, showing pulmonary blood vessels and bronchioles)
  - Small and large intestine unit, 1 piece
  - Stomach, 1 piece
  - Torso and head unit, 1 piece
- Hand-painted with vivid contrasting colors
- Dissects into 19 parts plus 10 detachable parts
- Stands 37 in. high
- Mounted on rigid hardwood base
- Includes audio cassette and instructor's answer key
- Lifetime guarantee on craftsmanship
- Made in U.S.A.

SB19111U Sh. wt. 54 lbs.

KnowBody™ Advanced Teaching Torso



- More detailed than the Basic KnowBody™
- Separates into the following components:
  - Brain, half, 4 pieces, dissectible
  - Eyeball with extraocular muscles
  - Heart, 2-part
  - Intestine unit
  - Liver with gallbladder and diaphragm segment
  - Lung, left, with ribs
  - Lung, right, with ribs, blood vessels, and bronchioles
  - Stomach, 2-part
  - Torso and head unit
- 200 hand-numbered anatomical features
- Constructed of tough, pliable, unbreakable plastic
- Life-size in true proportion
- Anatomically accurate
- Dissectible into 20 detachable parts
- 37 in. H
- Mounted on a hardwood base
- Lifetime guarantee

SB19109U Sh. wt. 54 lbs.



- Deluxe Series contains our most advanced torsos
- Offers uncompromising quality and a high degree of detail
- Partial musculature makes these torsos highly versatile and suitable for teaching more advanced anatomy concepts
- Male and female reproductive systems are demonstrated, including a 3-month fetus correctly positioned in the uterus

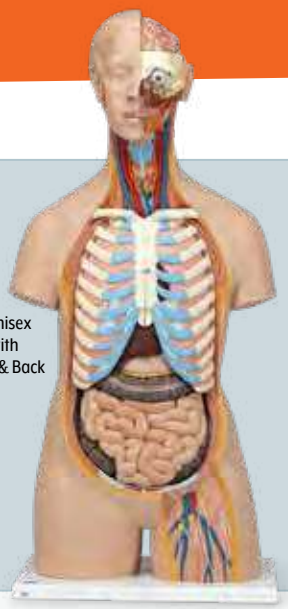
Deluxe Dual-Sex Torso with Opened Neck and Back (28-Part)

- Exposed neck and back from cerebellum to sacrum allows studies of the vertebrae and surrounding structures
- Comes with teaching guide
- 34¼ in. x 15 in. x 9⅞ in.
- 28 parts can be removed and studied in detail:
  - Breast covering, female
  - Genital insert, female, 3-part with fetus
  - Genital insert, male, 4-part
  - Head, 6-part, with 4-part brain half
  - Heart, 2-part
  - Intestine tract, 4-part
  - Kidney, front half
  - Liver with gallbladder
  - Lungs, 2
  - 7th thoracic vertebra
  - Stomach, 2-part

SB41422U Sh. wt. 25 lbs.

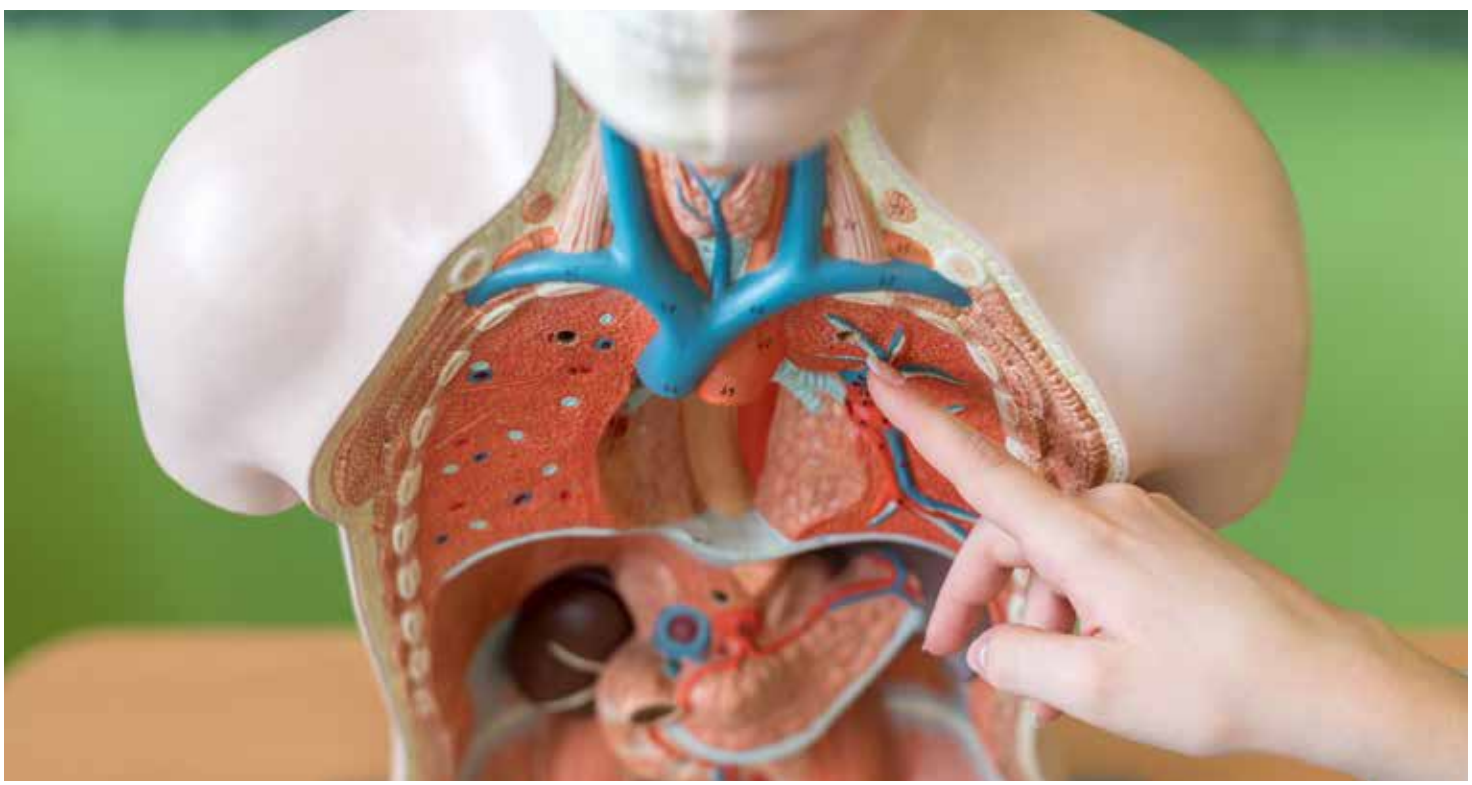


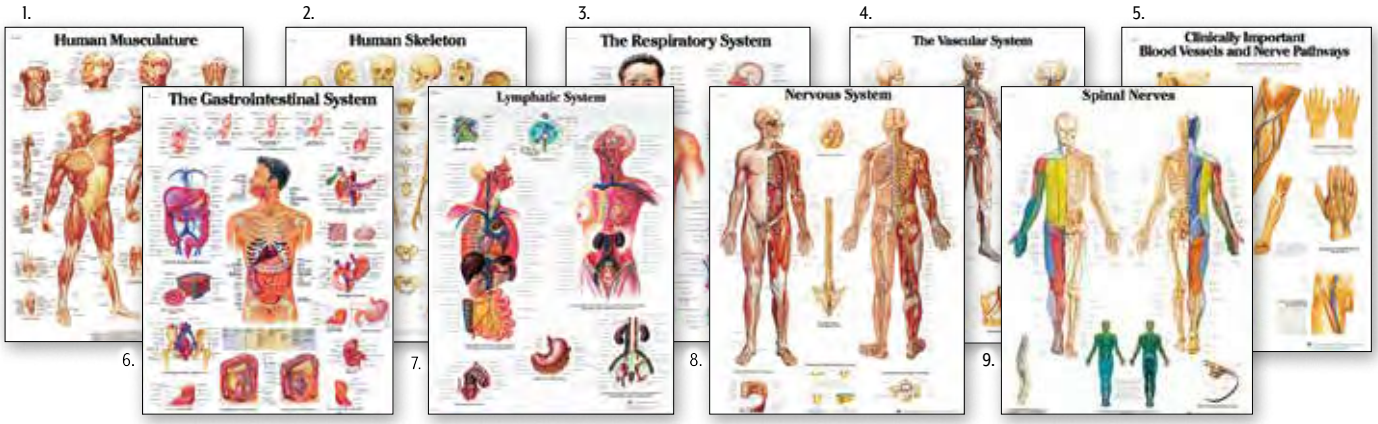
Anatomical Models – Multi-System



Classic Unisex Torso with Open Neck & Back

Cat. No.	Description	No. of Parts	Bladder, Front Half	Brain	Female Chest Wall	Female Genital Insert w/Fetus, 3-Part	Head, 2-Part	Head, 3-Part	Head, 6-Part	Heart, 2-Part	Intestinal Tract, 2-Part	Intestinal Tract, 4-Part	Kidney, Front Half	Liver w/Gall Bladder	Lungs, 2	Male Genital Insert, 4-Part	Open Back	Stomach	Stomach, 2-Part	7th Thoracic Vertebra	Sh. wt.
LY01011U	**Mini Torso** 24¼ in. x 9½ in. x 7⅛ in. Teaching guide.	12		✔			✔			✔	✔			✔	✔			✔			7 lbs.
LY01009U	**Classic Unisex Torso** 34¼ in. x 15 in. x 9⅞ in. Teaching guide.	12					✔			✔	✔		✔	✔	✔			✔			11 lbs.
SB41420U	**Classic Unisex Torso** 34¼ in. x 15 in. x 9⅞ in. Teaching guide.	14	✔					✔		✔	✔		✔	✔	✔			✔			24 lbs.
SB29920U	**Deluxe Dual Sex Torso** 34 in. x 15 in. x 10 in. Teaching guide.	20			✔	✔	✔			✔	✔		✔	✔	✔	✔		✔			28 lbs.
SB25326U	**Deluxe Dual Sex Torso** 34 in. x 15 in. x 10 in. Teaching guide.	24			✔	✔		✔		✔		✔	✔	✔	✔	✔			✔		28 lbs.
SB41506U	**Classic Unisex Torso with Open Neck & Back** 34⅛ in. x 15 in. x 9⅞ in. Teaching guide.	18	✔						✔	✔	✔		✔	✔	✔			✔		✔	27 lbs.
SB41421U	**Classic Unisex Torso with Open Neck & Back** Neck and back are exposed from the cerebellum to the coccyx. Vertebrae, intervertebral disks, spinal cord, spinal nerves, vertebral arteries, and more are represented in great detail. 34¼ in. x 15 in. x 9⅞ in. Teaching guide.	21	✔	✔					✔	✔		✔	✔	✔	✔		✔		✔	✔	28 lbs.





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- **Printed on high-quality 200 g glossy paper!**
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Sh. wt. 0.38 lbs. per poster.

1. Human Musculature
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SB41514U

3. The Respiratory System
SB41517U

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SB41520U

6. The Gastrointestinal System
SB41522U

7. Lymphatic System
SB41521U

8. Nervous System
SB41523U

9. Spinal Nerves
SB41524U

Complete Set of 9 Posters

- Includes 1 each of the 9 posters listed

SB48741U

exquisitely rendered for in-depth mastery

Peter Bachin Anatomical Chart Series

- Nomenclature located directly on each chart
- Charts are preserved with laminate which prevents yellowing and soiling
- Use water-soluble markers on heavily laminated charts to avoid damage
- Includes eyelets in each top corner for convenient wall mounting
- 26 in. x 20 in.

Sh. wt. 0.25 lbs.



SB06144U



SB06145U



SB06147U



SB07454U



SB07453U

Systems

SB06144U Skeletal System
SB06145U Muscular System
SB06146U Vascular System and Viscera
SB06147U Nervous System
SB06148U Lymphatic System
SB06149U Male Reproductive System
SB06151U Female Reproductive System
SB07454U Respiratory System
SB07453U Digestive System
SB13159U Endocrine System

Systems Chart Set

- Includes all 10 systems charts listed above

SB25037U Sh. wt. 1.25 lbs.

Organs/Structures

Sh. wt. 0.25 lbs.

SB06150U Eye
SB10252U Heart
SB10253U Brain
SB10255U Ear
SB13156U Head and Neck

Organs/Structures Chart Set

- Includes all 5 organs/structures charts listed at left

SB25038U Sh. wt. 6 lbs.

Portable Chart Stand

- Lightweight, black aluminum chart stand
- Holds up to 25 same format charts
- Chart grommets fit into adjustable floating rings
- Charts flip up and over for convenient viewing
- Easy to assemble
- 28 in. x 53 in.
- Made in U.S.A.

SB51045U Sh. wt. 8.50 lbs.



Anatomical Models – Skeletal System



Life-Size Cervical Model with Muscles and Nerves

- Features the brain stem, occipital bone, atlas and axis through C7, with herniated disk, T1 and T3
- Also has a soft cerebellum and full nerve with the right side brachial plexus
- Muscles include suboccipital triangle, longus capitis, levator scapulae, and scalenus medius posterior and anterior
- Right 1st and 2nd ribs are also featured and include cartilage
- 5½ in. x 6½ in. x 10 in. model with 6¼ in. x 8¼ in. key card

SB47322U Sh. wt. 3.50 lbs.



Muscled Hip with Sciatic Nerve Model

- Full-size, normal right hip with proximal femur
- Lower lumbar vertebrae include
  - Articular capsule ligaments
  - Gluteus medius
  - Gluteus minimus
  - Iliacus
  - Inferior and superior gemellus
  - L4-L5 with sacrum
  - Obturator internus
  - Pyriformis and psoas muscles
  - Sciatic nerve
- Includes 6¼ in. x 8¼ in. information card
- 7½ in. x 4¾ in. x 10 in.
- Base size: 8⅜ in. x 6¼ in.

SB49530U Sh. wt. 2.25 lbs.



Basic Knee

- Full-size right knee features:
  - Anterior cruciate, fibular and tibial collateral, patellar, and posterior meniscofemoral ligaments
  - Femur, fibula, patella, and tibia bones
  - Lateral and medial meniscus
  - Quadriceps femoris tendon
- 3½ in. x 2¾ in. x 6 in.
- Includes 6½ in. x 5¼ in. education card

SB35430U Sh. wt. 2 lbs.



Mini-Muscled Joint Set

- Set of 4 reduced size (approx. 50% of regular models) joint models of the hip, elbow, shoulder, and knee
- Base size: 10½ in. x 6¼ in. x 1 in.

SB47324U Sh. wt. 2.25 lbs.



Movable joints

Functional Shoulder Joint

- Provides a graphic demonstration of the mechanics of the shoulder joint
- Use this life-size, movable joint to demonstrate abduction, anteversion, retroversion, internal/external rotation, and much more
- Consists of shoulder blade, collar bone, portion of humerus, and joint ligaments
- 6¼ in. x 4¾ in. x 7¾ in.
- Includes stand

SB41402U Sh. wt. 1.50 lbs.



Movable joints

Functional Knee Joint Model

- Provides a graphic demonstration of the anatomy and mechanics of the knee joints
- Use this life-size, movable joint to demonstrate abduction, anteversion, retroversion, internal/external rotation, and much more
- Consists of portion of femur, tibia, and fibula, plus meniscus, patella with quadriceps tendon, and joint ligaments
- Includes stand
- 6½ in. x 4¾ in. x 13½ in.

SB41404U Sh. wt. 2 lbs.

lumbar analysis made easy



4th & 5th Lumbar Model

- Shows 4 stages of degeneration: normal, herniated, and 2 arthritic
- Mounted on a solid walnut base

SB23544U Sh. wt. 3 lbs.



4-Stage Vertebrae Model

- Each model is comprised of 2 life-size vertebrae
- 1st pair shows 1 set with normal anatomy and 1 with a "bulging" herniated disk
- 2nd set of vertebrae shows 1 with bone and disk degeneration, and the other with advanced osteoporosis with marked bone compression and bone spurs
- Model: 3¾ in. x 3 in. x 3⅛ in.
- Base: 5 in. x 6 in. x 1 in.
- Includes education card

SB35468U Sh. wt. 2.75 lbs.

Anatomical Models – Skeletal System



MRI Torso (15 Transverse Sections)

- Use to learn how to interpret and understand tomography images as obtained via ultrasound, computer imaging, and magnetic resonance tomography
- Torso is horizontally divided into 15 slices
- Topographical relationships are represented in colored relief at each individual cut plan
- Discs can be shifted horizontally and rotated around their sagittal axis
- Each slice can be removed individually
- 51 in. x 15¾ in. x 13¾ in.

SB41443U Sh. wt. 48 lbs.



Flexible Vertebrae with Color-Coded Regions

- A fully flexible, life-size vertebral column, including:
  - Cervical, thoracic, and lumbar vertebrae
  - Coccyx
  - Occipital plate
  - Pelvis, complete
  - Prolapsed L3-L4 intervertebral disk
  - Sacrum
  - Spinal nerves
  - Vertebral arteries
- Various regions of the spinal column are color-coded for ease of identification
- Mounted on stand for hanging
- 38½ in. x 9 in. x 9 in.

LA00184U Sh. wt. 8 lbs.





Classic Skull (3-Part)

- Exceptional detail at an affordable price
- Features high-quality original casts of real human skulls
- Hand-made of hard, unbreakable plastic
- Highly accurate representation of the fissures, foramina, processes, sutures, etc.
- Each tooth is individually cast
- 8 in. x 5¼ in. x 6 in.

SB33945U Sh. wt. 4 lbs.





Human Skulls (3-Part)

- A detailed reproduction of a life-size human skull with all structural details
- Skullcap is removable to show internal details
- Mandible is articulated and removable
- All of the joints, sutures, fissure, foramina, and processes are portrayed with utmost accuracy
- 8½ in. x 5½ in. x 6¼ in.

Sh. wt. 2 lbs.

Numbered Skull

- Significant structures are numbered

LA00176U

Unnumbered Skull

LA00164U



Numbered Classic Skull (3-Part)

- Hand-numbered version identifying all relevant anatomical sutures
- Skull structures are drawn in color
- Disassemble into skull cap, base of skull, and mandible
- Comes with multilingual key card
- 8 in. x 5¼ in. x 6 in.

SB41412U Sh. wt. 2.25 lbs.



Human Fetal Skull

- Shows the characteristics of prenatal development during the 30th week of pregnancy
- Fontanelle is visible
- Mounted on a durable base with movable jaw
- 3½ in. x 3½ in. x 3½ in.

SB50958U Sh. wt. 0.88 lbs.



Colored Human Skull

- Life-size model features 22 colored bones
- Identification key corresponds to the 22 different colors
- 8 in. x 8 in. x 5½ in.

SB50960U Sh. wt. 1.75 lbs.

shows spine's natural movement



Life-Size Flexible Spinal Column

- Includes:
  - o Cervical, thoracic, and lumbar vertebrae
  - o Coccyx
  - o Femur heads, removable
  - o Occipital plate
  - o Pelvis
  - o Sacrum
- Left side of the skeleton is painted to show the muscle origins (red) and muscle insertions (blue)
- Also features representations of the vertebral arteries, spinal nerve branches, and intervertebral disks
- Comes mounted on a stand
- Includes a detailed manual
- 8 in. x 8 in. x 37 in.

LA00102U Sh. wt. 8.50 lbs.


LA00100U


SB49572U


SB45480U

Human Muscular Skeleton

- Life-size skeleton with impressive detail is hand-assembled and made only with the highest quality materials available for many years of excellent service
- Main joints are articulated in the jaw
- Upper and lower joints can be removed easily
- Left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles
- Calvarium, skull, arms, and legs are easily detachable
- Supplied with a 5-caster roller stand
- 5½ ft. H

LA00100U Sh. wt. 27 lbs.

Full-Size Human Skeleton with Muscles and Ligaments

- Full-size model is mounted upright and carefully cast in durable molding with natural color plastic
- Arms and legs are joined by connectors and can be moved to demonstrate natural movement around the joints
- Both the arms and the legs are removable
- Skull features a movable jaw, suture lines, and 3 removable teeth
- Includes a roller base and a diagram
- 67 in. H

SB49572U Sh. wt. 32 lbs.

Skeleton Dust Cover

- Heavy-duty protective cover
- Suitable for all full-size skeletons and stand versions
- Black in color with transparent window
- Skeleton not included

SB45480U Sh. wt. 0.63 lbs.

Skeleton Base

- Built to handle rough terrain and heavy movement
- Cast iron base also prevents tipping
- Set the screw to hold the skeleton rod in place
- Heavy-duty casters can roll on multiple surfaces
- Brakes lock the skeleton in place
- 21 in. L x 21 in. W x 8 in. H


SB51831U

SB51831U Sh. wt. 38 lbs.

Featuring Our Most Complete and Popular Skeletons for Your Teaching and Demonstration Purposes

- All the realism of an actual skeleton
- 3-part dissectible skull with 32 teeth
- Life-size — cast from an actual male skeleton
- Carefully cast to preserve even the finest details
- Chemical analysis would be required to distinguish these replicas from natural bone
- Each bone is cast individually in natural color with all details of anatomy represented
- Joints feature natural movement wherever possible
- Made of special plastic that does not deteriorate with age and is unbreakable
- Washes easily with soap and water for years of continuous use
- Mounted in an upright position on a nonrusting, mobile stand
- Comes with a clear plastic dust cover



1. Superskeleton — "Sam"

- Features joint ligaments, a flexible spine with nerve endings, and full indication of muscle origins (in blue) and insertions (in red) painted on the right side of the body
- Skull is dissectible into 3 pieces, with removable calvaria and lower jaw
- Axial skeleton is mounted to allow natural movement of the skull on the 1st and 2nd cervical vertebrae
- Flexible spine includes all spinal nerves and the vertebral artery
- Skull, left arm, and left leg are detachable
- Iliocostalis and longissimus muscles are painted differently for clearer understanding
- Right side has ligaments of the shoulder, elbow, hip, and knee reproduced
- Left side has numerical notation of the major bones, bone parts, fissures, and foramen
- 5 ft. 5 in. tall

SB14921U Sh. wt. 28 lbs.

2. Advanced Skeleton with Muscles — "Max"

- Fully articulated legs and arms, as well as the skull with 32 teeth, are removable
- Mandible is hinged with springs
- Calvarium is sectioned to permit study of the cranial vault
- Features detailed paintings of muscle origins in red and muscle insertions painted in blue
- Bones and muscles are numbered for identification
- Includes a comprehensive key or supplied with key card
- 5 ft. 5 in. tall

SB14901U Sh. wt. 28 lbs.

3. Human Skeleton

- Legs and arms are removable as well as the skull
- Mandible hinged with springs
- Calvarium sectioned to permit study of the cranial vault
- Skull has a full set of teeth
- 5 ft. 7 in. tall

SB02011U Sh. wt. 25 lbs.

economical plastic skeleton



Budget Full-Size Adult Skeleton

- Ideal for teaching the basics of anatomy when intricate textural nuances of the bone are not required
- Arms and legs are removable
- Features nerve branches, vertebral artery, and herniated lumbar disk
- Skull includes movable jaw, cut calvarium, suture lines, and 3 removable lower teeth
- Mounted on a sturdy 16 in. W x 3 in. H metal base
- Includes study guide
- 5 ft. 6 in. tall

SB25209U Sh. wt. 28 lbs.



Hanging Skeleton with Natural Human Casting

- 67 in. H
- Calvarium, skull, jaw, arms, and legs are detachable
- Comes with a 5-caster hanging stand
- Hand-assembled to provide intricate details and long-lasting durability
- Highly detailed skeleton parts
- Life-size replicas of a human skeleton
- Main joints are articulated; the upper and lower limbs can be removed easily

LA00174U Sh. wt. 32 lbs.

Physiological Skeleton with Hanging Roller Stand

- Totally flexible skeleton demonstrates much more movement than any other skeleton available
- Rotation within physiological limits of the arms and legs, as well as flexion and extension of the knees and elbows, can be demonstrated
- Spine mimics all-natural human movements and accurately demonstrates the pivoting, tilting, and lateral movements of the neck joint
- Scapula moves when lifting the arms above the horizontal
- Each scapula is specially mounted to allow movement relative to the rib cage during rotation of the shoulder joint
- The slight flexibility between the sacrum/pelvis and sacrum/coccyx can also be demonstrated
- 73¼ in.

SB41410U Sh. wt. 28 lbs.



Disarticulated Skeleton

- Life-size model shows the complete human skeleton with separated bones
- Skull, axial, skeleton, hyoid bone, ribs, sternum with rib cartilage, upper and lower limbs, sacrum, and coccyx are represented in high detail
- Left hand and foot are on wire; the other set is removed
- Skull can be disassembled into three parts: skullcap, base of skull, and mandible

LA00185U Sh. wt. 19 lbs.



Disarticulated Human Skeleton

- Natural human skeleton reproduction is made of special unbreakable plastic that does not deteriorate with age
- Each bone is cast individually in natural color with all details of anatomy represented
- All bones, except skull (with detachable top and mandible), 1 foot, and 1 hand, are disarticulated
- Easily cleaned with soap and water

SB13487U Sh. wt. 19 lbs.



Human Skeleton with Roller Stand

- 73¼ in.

SB41407U Sh. wt. 27 lbs.



Disarticulated Skeleton Case

- Sturdy aluminum metal case with foam compartments for storage of disarticulated skeleton
- 29 in. L x 21 in. W x 8 in. H

SB51832U Sh. wt. 15 lbs.

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MedVision

MedVision



CATÁLOGO 2024-2025

Adéntrese en el futuro de la medicina

Entrenamiento con MedVision



Disponible en dos tonos de piel.

MATT - Entrenador de tareas de auscultación

- Sonidos de auscultación reales.
- Los sitios de auscultación se iluminan.
- Los pivotes del torso se encuentran en la base
- Utilice estetoscopio o altavoces.

Los entrenadores de auscultación MATT ofrecen tres modalidades de aprendizaje: aprendizaje visual, aprendizaje auditivo y aprendizaje háptico.

Para el aprendizaje visual, MATT cuenta con:

- visualización retroiluminada de los pulmones en relación con el torso y las costillas (incluidas las fisuras y los lóbulos individuales);
- puntos de auscultación cardíaca retroiluminados en posición anatómicamente correcta;
- cuadrantes retroiluminados del abdomen

Su diseño didáctico también permite escribir sobre la piel del torso. Para el aprendizaje auditivo, incluye una completa biblioteca de sonidos cardíacos, pulmonares e intestinales de casos clínicos reales. Los sonidos de auscultación pueden transmitirse a un estetoscopio real o proyectarse en el aula. Para el aprendizaje háptico, presenta una piel realista al tacto con costillas palpables.

MATT incluye la computadora del instructor y un software fácil de usar sin anualidades.

SONOVISION - Ultrasonido y Simulador de diagnóstico

El simulador de ultrasonido diagnóstico SonoVision está diseñado para desarrollar y mejorar las habilidades de ecografía médica diagnóstica. Es un simulador integral con una colección completa de lecciones sobre tiroides, órganos abdominales, ecografía transtorácica rápida (FAST), ecografía transtorácica transesofágica (ETT), ecografía transesofágica transesofágica (ETE) y ecografía obstétrica/ginecológica.

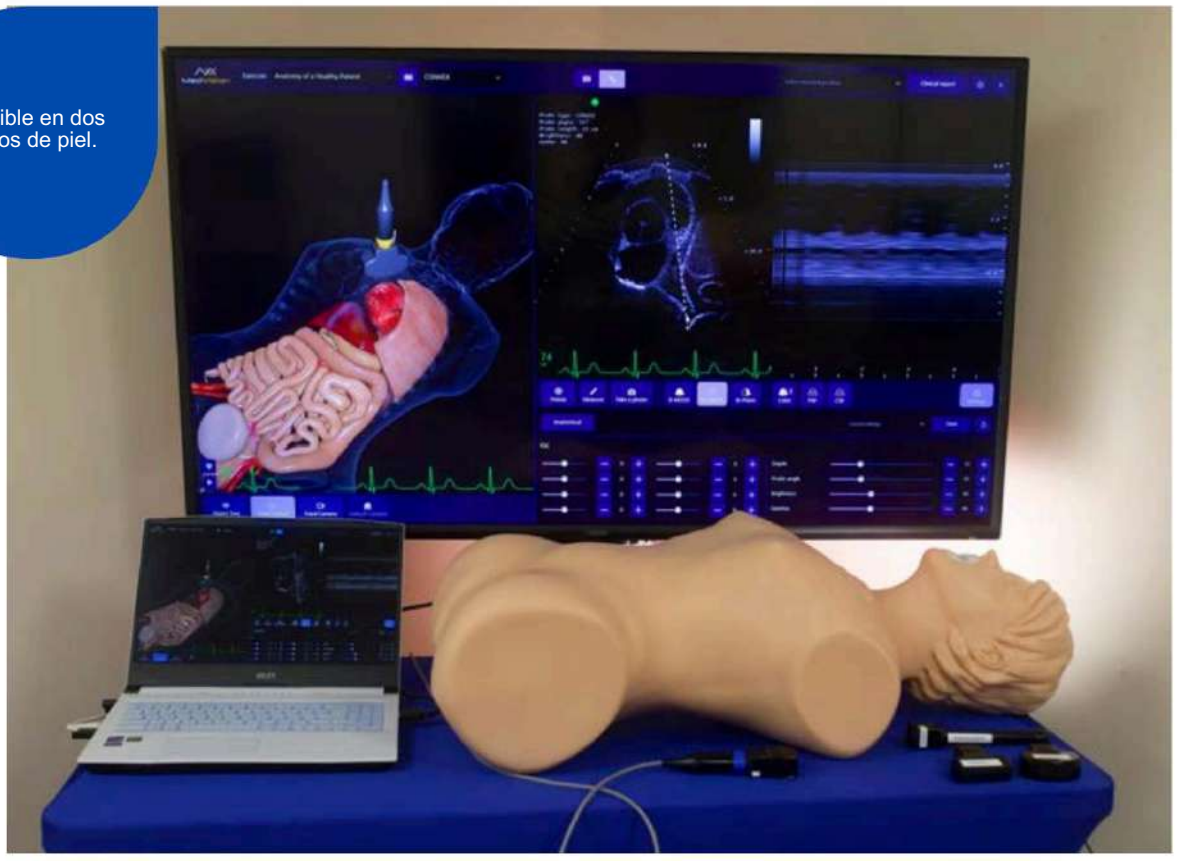
SonoVision garantiza el máximo realismo en las imágenes e incluye un modelo anatómico 3D detallado para ayudar a guiar a los estudiantes.

Un maniquí anatómicamente correcto proporciona una sensación e imágenes realistas durante el escaneo. El simulador incluye:

- La computadora para control,
- El torso de practica,
- Las sondas para practicar.

Se incluyen todas las patologías y lecciones disponibles , y no hay anualidad ni suscripción para el software, lo que hace de SonoVision una opción muy rentable en el mercado.

Disponible en dos tonos de piel.



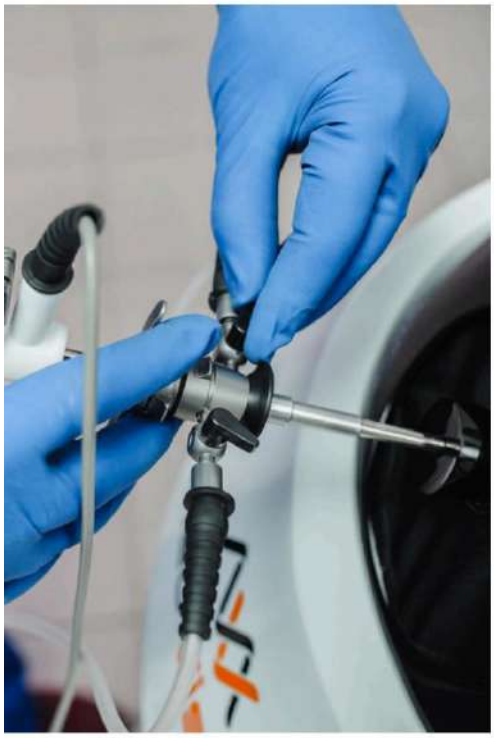
LapVision
Simulador laparoscopico





LapVision cuenta con un sistema patentado de retroalimentación háptica magnética para lograr el máximo realismo en la tensión y tracción del tejido, además de respuesta en tiempo real en un entorno anatómico virtual realista. Diseñado para que cirujanos y una amplia gama de especialistas médicos aprendan, perfeccionen y mantengan de forma segura sus habilidades laparoscópicas. Desde niveles básicos hasta avanzados, LapVision ofrece una plataforma educativa integral que evalúa las habilidades en diversos escenarios quirúrgicos. Incluye una biblioteca de módulos educativos sobre procedimientos laparoscópicos comunes.
LapVision se puede integrar fácilmente en cualquier programa de formación o plan de estudios quirúrgico.

HystVision
Simulador para histeroscopia y urología





HystVision/TUR está diseñado para el entrenamiento de simulación en histeroscopia y urología.
Cuenta con un sistema de retroalimentación háptica magnética de última generación con respuesta en tiempo real en un entorno anatómico altamente detallado.
Se incluye acceso a una biblioteca completa de lecciones sin anualidades ni suscripciones.

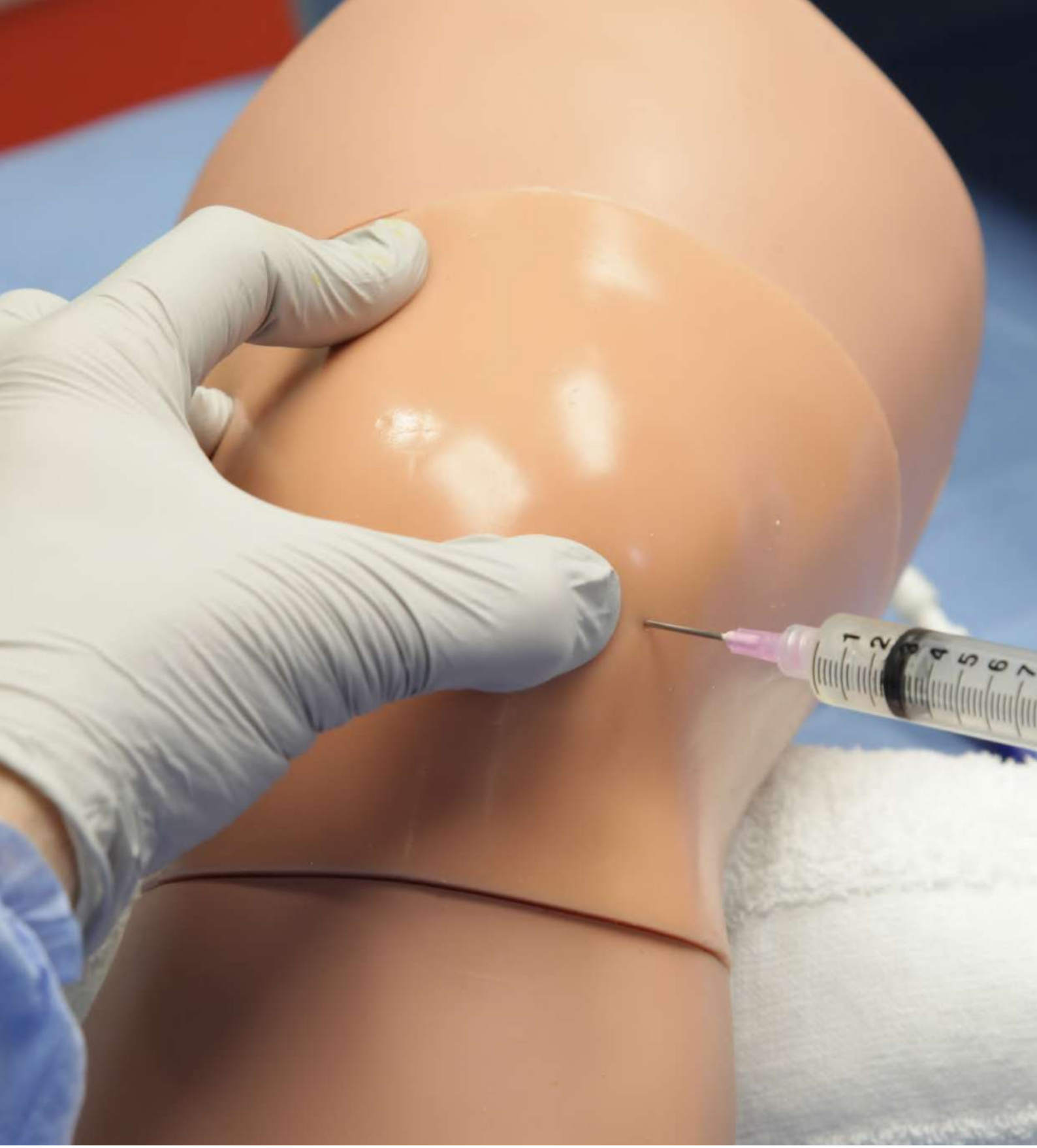
MedVision



OFRECEMOS

PAQUETE TODO EN 1

- INSTALACIÓN
- 1 AÑO DE GARANTÍA
- FORMACIÓN GRATUITA



SIMULAB CORPORATION



SIMULAB

ALMOST **HUMAN**

2024 Product Catalog



SIMULAB
ALMOST HUMAN

NEW! Ultrasound Guided Pericardiocentesis Trainer

Simulab's Ultrasound-Guided Pericardiocentesis Trainer is a highly realistic simulator that allows for the training of the procedure under ultrasound.

Learners can practice needle and catheter insertion into the pericardial space and drain the pericardial fluid. This simulator is positioned in a 15 ° reverse Trendelenburg and provides all clinically relevant palpable and ultrasound anatomy. In addition, the trainer offers options for two differently-sized pericardial effusion inserts to allow for various training scenarios.

Made to provide a realistic learning experience as well as easy to use and maintain, the trainer will be available in three skin tones with durable replaceable tissues

Introducing the NEW Breast Tissue Accessory

Enhance your training with the new Breast Tissue Accessory. The Breast Tissue Accessory is designed to be used as an overlay to enhance training on the TraumaMan System, a standardized patient, or any patient simulator.

The New CentraLineMan*Pro*

The innovative new system includes technology that automatically purges the vessels of any air bubbles and properly fills them with fluid at the start of each procedure. The system also offers a continuous arterial pulse, with a rate you set before training based on your scenario, freeing you to focus on training.

New Skin Tone Diversity Options

Simulab is pleased to launch diversity options in our simulators' skin tones. We now offer three skin tones; light, medium, and dark in many of our products, including the TraumaMan Systme

SIMULAB

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PacerMan®
SonoSkin®
Bleeding Control Leg Trainer
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Venous Cutdown

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Batteries
Trays

NEW BREAST TISSUE ACCESSORY
Click to View

CENTRALINEMAN PRO TRAINER
Click to View





SIMULAB

TraumaMan® System

ADVANCED EMERGENCY LIFE SUPPORT

TraumaMan® is the most widely used surgical trainer in the world. Over 400,000 clinicians in 45 countries have completed advanced surgical training using TraumaMan over the product's rich history. Evaluated and approved for use in Advanced Trauma Life Support (ATLS®) since 2001, TraumaMan remains the current choice for training worldwide and meets the requirements for the ATLS 10th Edition.

Year after year, through collaboration with medical educators, TraumaMan continues to evolve with upgrades, technology, and new procedural modules.



PRODUCT HIGHLIGHTS

- Become immersed in procedural realism from the first incision with TraumaMan's bleeding, multilayered tissues, breathing responses and palpable anatomically correct landmarks
- Quiet new internal ventilator, designed to power procedurally relevant air responses
- Mobile neck module seamlessly moves between skill stations for surgical airway management
- Versatile system with multiple add-on extensions: Articulating Head, Surgical Abdomen and FAST exam
- Tissue and System variations with pricing programs available to support your unique educational needs

SKILLS

- Surgical cricothyroidotomy and tracheostomy training
- Bilateral thoracostomy chest tube placement allows for true-to-life pleural resistance and tissues that are now easier to replace between students
- Learners can recognize correct positioning, perform surgical incision, blunt dissection through the chest wall, perforation of pleura and finger sweep, along with the ability to suture and secure chest tube during Chest Tube Insertion
- Management of pleural effusion
- New mechanically pressurized bilateral needle decompression for tension pneumothorax at 2nd, 4th, and 5th intercostal spaces
- Perform pericardiocentesis to detect and aspirate pericardial effusion or cardiac tamponade
- Incise through layers of skin, fat, fascia, abdominal muscle and peritoneum to evaluate an intraperitoneal hemorrhage with DPL training module
- Optional Diagnostic Peritoneal Lavage and FAST Exam

USED FOR ATLS SINCE 2001

ATLS Trainers Collection

Scan this code to view our ATLS Collection video. Contact us at info@simulab.com to learn more.

ALMOST **HUMAN**





MOBILE SIMUCRIC SURGICAL AIRWAY TRAINER



QUIET INTEGRATED VENTILATOR

BATTERY POWERED FOR TETHERLESS TRAINING

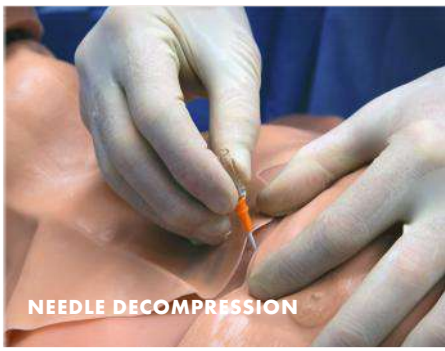
TraumaMan System
PART #: TM-5138

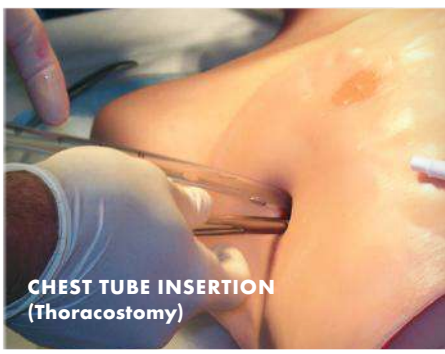
Training Packages

TraumaMan is a flexible platform with many training packages to suit your needs. Contact Simulab or visit our website to learn more.













SIMULAB

Ultrasound Guided Pericardiocentesis

REALISTIC PALPABLE AND ULTRASOUNDABLE ANATOMY

Simulab's new Ultrasound-Guided Pericardiocentesis Trainer is a highly realistic simulator that allows for the training of the pericardiocentesis procedure under ultrasound.

Learners can practice needle and catheter insertion into the pericardial space and drain the pericardial fluid. This simulator is positioned in a 15° reverse Trendelenburg and provides all clinically relevant palpable and ultrasound anatomy. In addition, the trainer offers options for two differently-sized pericardial effusion inserts to allow for various training scenarios.

SKILLS

- Practice both blind and ultrasound guided pericardiocentesis
- Visualize pericardial fluid under ultrasound
- Needle insertion into pericardial space



PROCEDURAL APPROACHES

- Subxiphoid
- Parasternal
- Apical

PALPABLE ANATOMY

- Ribs 4-6
- Sternum
- Xiphoid Process

ULTRASOUNDABLE ANATOMY

- Visualization of pericardial fluid
- Heart insert
- Interchangeable heart phantoms to allow for

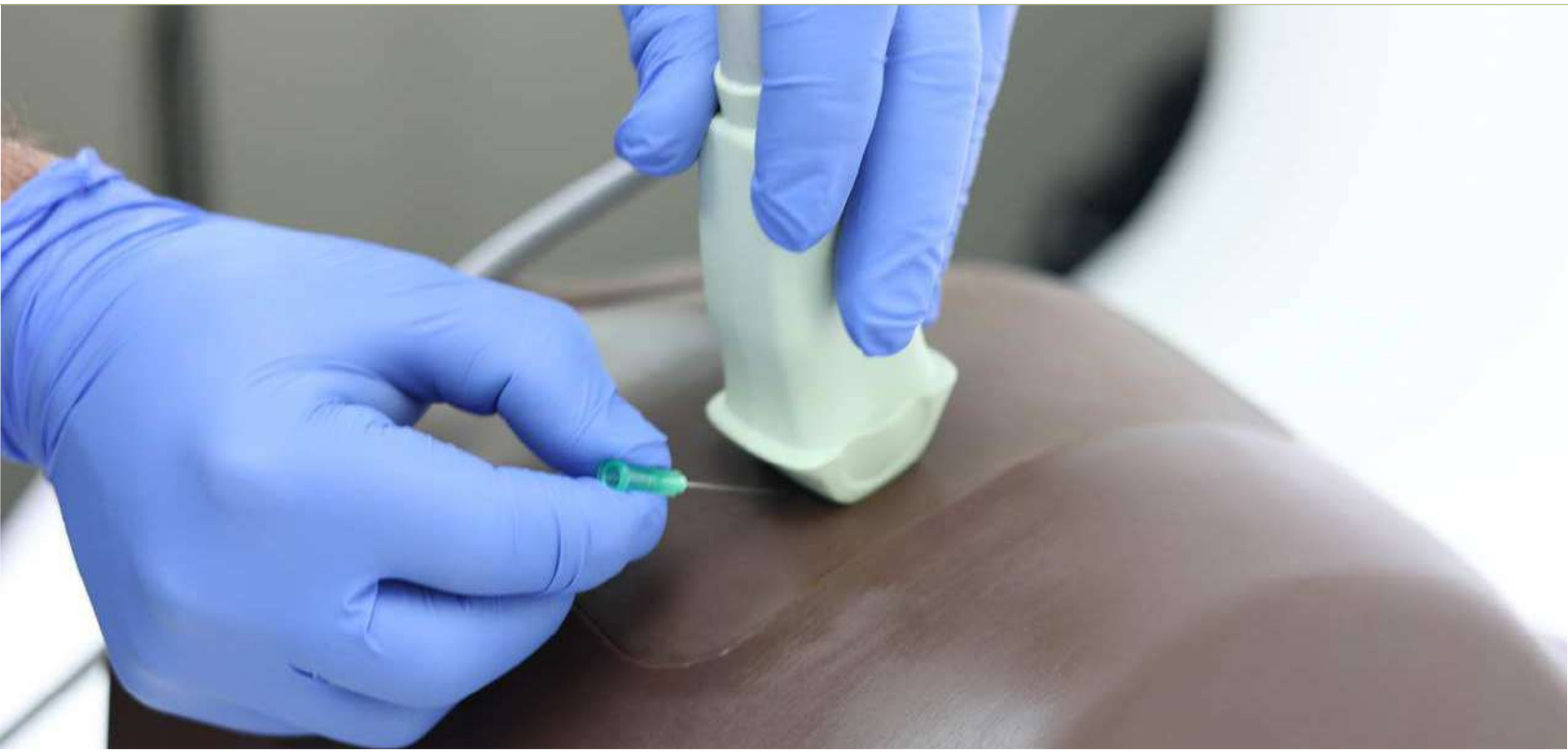


REALISM

- Simulator allows for Subxiphoid, Parasternal, and Apical Approaches
- Realistic fluid feedback
- Clean ultrasound imaging

EASE & ACCURACY OF SETUP

- Durable ultrasound tissue
- Innovative fluid system
- Simple tissue replacement, seals for introduction of fluid into the pericardium
- Simulator allows for practice of full procedure with standard clinical equipment and kits





Ultrasound Guided Pericardiocentesis Trainer

Ultrasound Guided Pericardiocentesis Trainer Dark Tone
PART #: UGP-1001-D

Ultrasound Guided Pericardiocentesis Trainer Medium Tone
PART #: UGP-1001-M

Ultrasound Guided Pericardiocentesis Trainer Light Tone
PART #: UGP-1001-L

Available in Dark, Medium and Light Tones

Training Packages

Simulab offers training packages to best suit your needs. Contact your account representative or visit simulab.com to learn more!

SIMULAB

AirwayMan®

COMPLETE AIRWAY MANAGEMENT

Meet **AirwayMan®**, he's going to change the way you think about and use airway trainers. Simulab has combined their expertise in soft tissue technology, their focus on durable yet replaceable components, along with ease of use and cost-effective solutions to revolutionize this market. Every part of AirwayMan is carefully engineered to recreate the familiar movements, textures and delicate nuances of human anatomy. AirwayMan includes the same cricothyroid structures found in TraumaMan—the most widely used cricothyroidotomy trainer in the world.



AirwayMan System
PART #: AM-1311

PRODUCT HIGHLIGHTS

VERSATILITY

- Low cost replaceable soft airway options
- Easy set up with soft tissue replacement system
- Integrated cricothyroidotomy
- Multi-layered, wrap-around replaceable neck skin with unsurpassed realism
- Difficult soft airway options for advanced training include swollen tongue and blocked airway
- Optional clicking teeth to simulate breakage when excessive force is used during oral intubation

FEATURES

- Movement, weight, and landmarks closely mimic human anatomy
- Soft palate anatomy allows visual identification during intubation
- Palpable landmarks and life-like tissue to incise
- Visible confirmation when successful intubation is achieved

SKILLS

- Learn complete airway management from nasal and oral intubation—to needle and surgical cricothyroidotomy
- Visually confirm key landmarks: functioning epiglottis, vallecula and vocal cords
- Practice patient positioning and access strength needed for each procedure.
- Practice proper technique for laryngoscope insertion and confirm intubation with auscultation and simulated chest excursion
- Detect intubation errors including Right Mainstem Intubation

AirwayMan System in Action
Scan this code to view a short video of the AirwayMan System in action! .

NEW

AirwayMan® Replaceable Difficult Soft Airway Options

DIFFICULT AIRWAY I / SWOLLEN TONGUE

The Difficult Airway I patient simulates an acute presentation of tongue swelling, leading to upper airway obstruction that requires prompt recognition and treatment.
PART #: AM-SA-D1

DIFFICULT AIRWAY II / BLOCKED

The Difficult Airway II Patient simulates a severe presentation of tongue swelling as well as laryngeal edema leading to a blocked airway.
PART #: AM-SA-D2



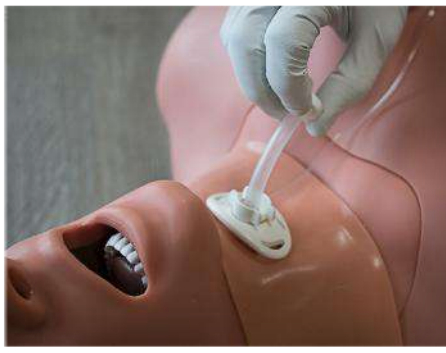
PEDIATRIC AIRWAY TRAINER
pg. 30









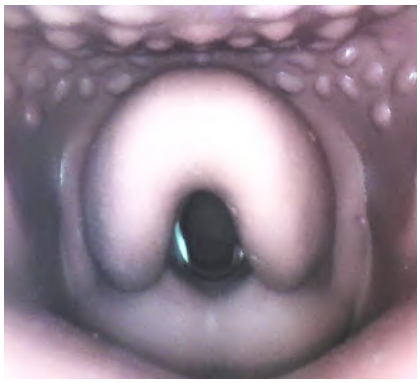




REPLACEABLE SOFT AIRWAY OPTIONS PROVIDE A PATHWAY FOR TRAINING CLINICALLY CHALLENGING AIRWAY MANAGEMENT SKILLS



DIFFICULT SOFT AIRWAY I
SWOLLEN TONGUE



DIFFICULT SOFT AIRWAY II
SWOLLEN TONGUE WITH LARYNGEAL EDEMA

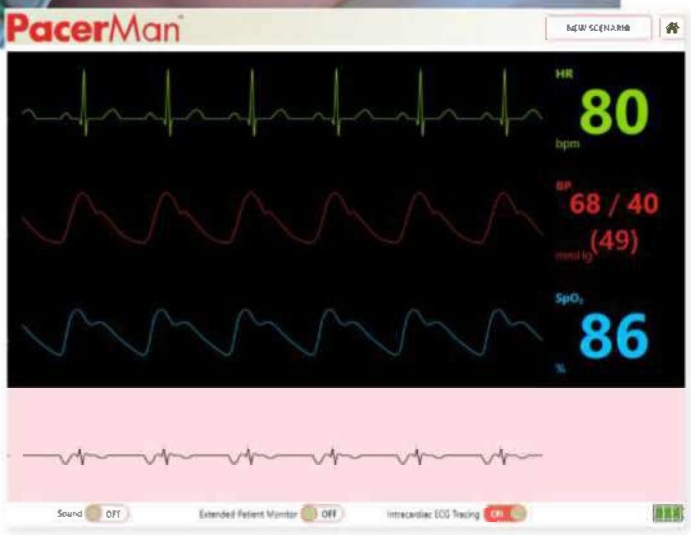
SIMULAB

PacerMan® System

EMERGENT TRANSVENOUS CARDIAC PACING

Now Includes Synchronous Sensitivity Training!





Meet **PacerMan®** and get your equipment ready for training high-risk, low-frequency, emergent transvenous pacing in real or simulated settings —from initial diagnosis and insertion, to electrical capture and routine sensing threshold testing.

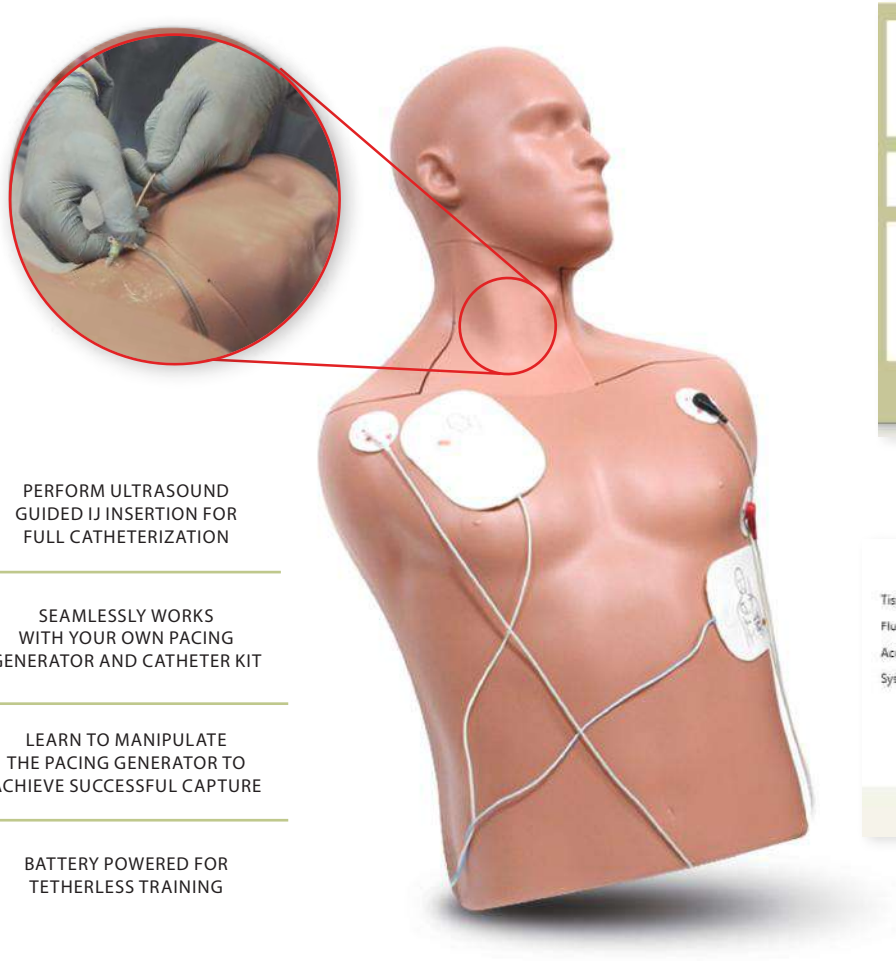
Simulab's patented, **SimuSensor®** technology, powers a high-fidelity simulator with ultrasound compatible soft tissues. The system communicates with a simulated patient monitor for real time, immersive training. Take your students through multiple outcomes using a blind or ECG guided approach. They'll assess waveforms and manipulate their own pacing generator, while learning to respond to the system's live physiological responses. During scenario-based training, transport PacerMan from a pre-hospital setting to the emergency room then on to the ICU. The PacerMan System is completely self-contained, wireless, easy to set-up and transport.

PacerMan System
PART #: PM-2301

NOTE: PacerMan comes with SimuSensor software. An optional Laptop can also be purchased.

SKILLS

- Learn to perform ultrasound-guided internal jugular insertion and full catheterization
- Seamlessly works with your pacing generator and pacing kit for realistic training
- Learn to manipulate the pacing generator to achieve successful capture
- Presents rare complications with real-time pathways for resolutions
- Assess real-time cardiac monitor changes



PERFORM ULTRASOUND GUIDED IJ INSERTION FOR FULL CATHETERIZATION

SEAMLESSLY WORKS WITH YOUR OWN PACING GENERATOR AND CATHETER KIT

LEARN TO MANIPULATE THE PACING GENERATOR TO ACHIEVE SUCCESSFUL CAPTURE

BATTERY POWERED FOR TETHERLESS TRAINING



PRESENTS RARE COMPLICATIONS WITH REAL-TIME PATHWAYS FOR RESOLUTION



SELF-PRIMING FLUID SYSTEM ALLOWS FOR TURN-KEY SETUP

PRODUCT HIGHLIGHTS

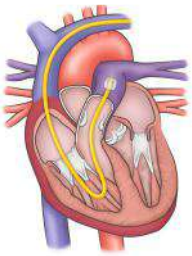
Includes a self-priming fluid system for easy setup and system management. Easy to use for scenario driven training with two procedural pathways for learners:

TRANSVENOUS PACING MODULE

- Asynchronous (fixed) and synchronous (demand) pacing modes for VOO, VVO and VVI training scenarios
- Troubleshoot events such as oversensing, undersensing, battery change and loss of capture
- Seamlessly works with any brand of pacing generator and catheter kit
- Practice blind approach or identify pacing wire location with optional ECG tracing display
- SimuSensor software responds directly to your pacing generator when you manipulate rate and output
- Define outcomes such as wire movement into the Inferior Vena Cava, Pulmonary Artery or a coiled lead and allow for real-time clinical decision making
- Choose from two defibrillator interface panels for simulated transcutaneous pacing

RIGHT HEART CATHETERIZATION MODULE

- Diagnose conditions such as pulmonary hypertension and decompensated heart failure
- Visualize anatomical placement of the catheter through real-time anatomical renderings
- Measure pulmonary wedge pressures
- Ultrasound-guided insertion and full catheterization at the Internal Jugular Vein
- Pulmonary artery catheter insertion and inflation of the balloon in the vessels

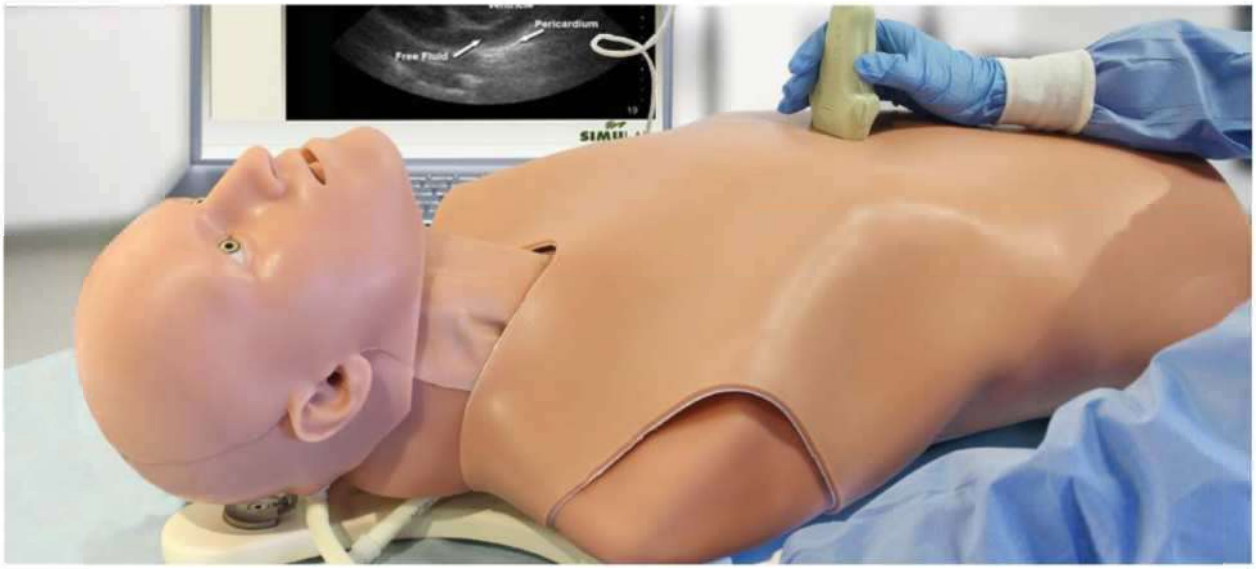


Analyze pressure waveforms as the catheter moves through the channels.

SIMULAB

SonoSkin®

ULTRASOUND DIAGNOSTIC WEARABLE FOR FAST & EFAST EXAM



SonoSkin® is a wearable training platform that provides diagnostic ultrasound imagery easily added to virtually any training scenario for FAST and eFAST exam learning. SonoSkin can be worn on a standardized patient, TraumaMan or your own patient simulator. With SonoSkin software, instructors can illustrate views during the FAST and eFAST exams. Our extensive pathology library includes images and videos from up to ten real patients. SonoSkin can be set to "mentor" mode, which includes visual instruction and space for unique notations or "student" mode, which randomly selects patient scenarios for hands-on learning.

PRODUCT HIGHLIGHTS

- Software that allows any Windows based PC to simulate an ultrasound machine
- Simulated ultrasound probe that plugs into a PC's USB port
- Wearable skin with embedded targets for each of the viewing windows based on the computer module selected
- Transverse and longitudinal viewing options
- Rare pathology not commonly seen when training on real patients is available

SKILLS

- Understand and diagnose disease states using real patient ultrasound images and videos
- Gain a broad view of patient pathologies through reading and interpreting various normal and abnormal images and videos

SonoSkin with FAST & eFAST Training Package
PART #: SSTP-20



ANY PC CAN SIMULATE AN ULTRASOUND MACHINE



BRINGS STANDARDIZED PATIENTS INTO THE SCENARIO



ACTUAL PATIENT IMAGES AND VIDEO

Bleeding Control Leg Trainer

PACKABLE WOUND TRAINER

Simulab's **Bleeding Control Leg Trainer** is a simple, cost-effective, easy to use packable wound trainer that offers simulated hemostatic wounds. The trainer presents a durable outer skin layer for repetitively executing critical patient treatment such as wound packing, compression and tourniquet application with any off the shelf device. Can be used anywhere, anytime for a variety of wound packing events.

PRODUCT HIGHLIGHTS

- Realistic and durable leg anatomy and skin
- Two different wound beds available: a laceration or stab wound and a large caliber gunshot wound (GSW) with both entrance and exit points
- The GSW contains a bony landmark that allows instruction to "pack to the bone"
- Realistic and durable skin for multiple student uses

SKILLS

- Wound packing
- Use of hemostatic gauzes
- Compression
- Tourniquet application



Bleeding Control Leg Training Package
(includes leg and 2 blood pools)
PART #: BCLTP-20

Bleeding Control Leg Trainer
PART #: BCLT-10
Simulated Blood Pool (2-Pack)
PART #: SBP-10

Available in Light, Medium and Dark Tones



SIMULAB

Breast Tissue Accessory

OVERLAY FOR ENHANCED TRAINING

The **Breast Tissue Accessory** is designed to be used as an overlay to enhance training on the TraumaMan System, a standardized patient, or any patient simulator in the supine position. The breast tissue's symmetrical design and soft, life-like material allow educators to train repositioning during chest tube insertions on TraumaMan for a realistic training experience.



PRODUCT HIGHLIGHTS

- tandalone breasts approximately the size of a 40D ~38DD cup
- Realistic weight and movement
- Realistic areola and nipples
- Available Light, Medium, Dark, and Original Tone

SKILLS

- Use as an overlay on the TraumaMan to enhance learning during chest tube insertion training.
- Place Breast Tissue Accessory on a standardized patient or any patient simulator to allow for varied, immersive training

Breast Tissue Accessory
PART #: BTA-10 (L,M,D)
Breast Tissue Accessory Training Package
PART #: BTA-1011

Intraosseous (IO) Insertion Pad

NEEDLE INSERTION TRAINING

The **Intraosseous (IO) Insertion Pad** provides an opportunity to repeatedly run-through critical IO insertion training techniques outside of emergency cases. Practice pushing the needle tip through the skin until it rests against the bone, and gently drill into the bone until the hub is close to the skin. This cost-effective pad is large enough for repeated use and includes soft tissue and cancellous bone.



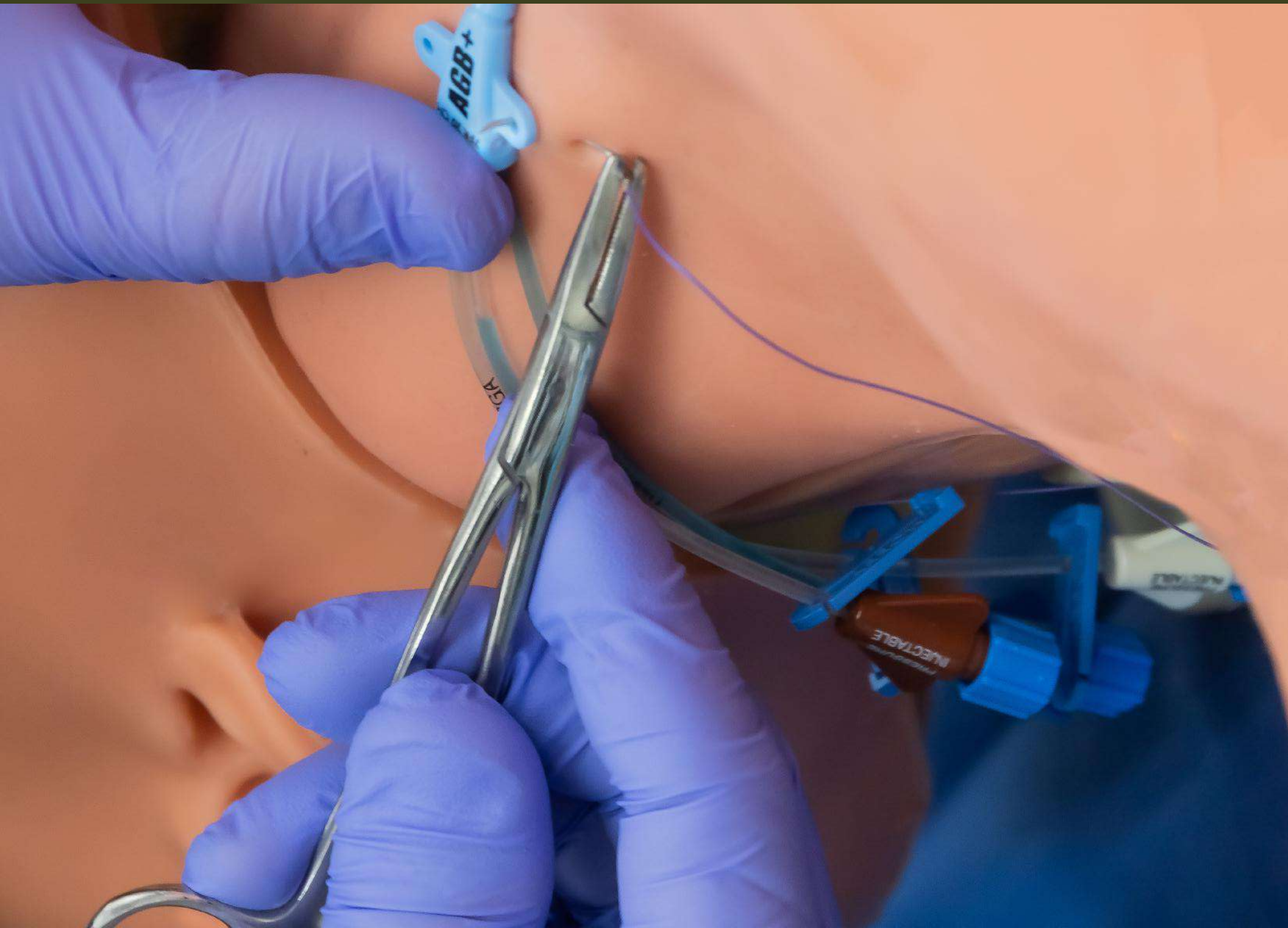
PRODUCT HIGHLIGHTS

- Cost-effective model includes soft tissue and cancellous bone
- Large stable surface for repeated use
- Realistic, tactile feedback
- Choose from Pediatric, Adult or combination package

SKILLS

- Learn to insert the needle at varying angles
- Practice appropriate pressure application and drilling techniques

Intraosseous (IO) Insertion Pad
PART #: IOT-10
Intraosseous (IO) Pediatric Insertion Pad
PART #: IOPT-10
Intraosseous (IO) Training Package
PART #: IOTP-10


AGB+
INJECTABLE

SIMULAB

CentraLineMan®

MOST WIDELY USED CVC TRAINER WORLDWIDE

CentraLineMan® is the most widely used Central Venous Catheterization training solution on the market today. This flexible system offers unsurpassed value alongside clinically relevant anatomy, ultrasound-compatible tissues, and market-leading durability. When used with rigorous training, CentraLineMan is proven to reduce patient complications from central venous



PRODUCT HIGHLIGHTS

- Complete procedure at both the Internal Jugular, Supraclavicular and Subclavian vein sites
- Anatomically correct
- Ultrasound compatible
- Replaceable tissue variations allow for progressive skill development on diverse patient populations
- Self-sealing tissues provide the best value of any trainer on the market, in needle sticks and full catheterizations
- Arterial/venous fluid provides immediate feedback and simulates complications
- Portability allows learners to practice in settings of actual patient care



ULTRASOUND GUIDED WITH APPROPRIATE LANDMARKS



SELF-SEALING, DURABLE TISSUE FOR MULTIPLE CANNULATIONS



FULL CENTRAL VENOUS CATHETERIZATION

SKILLS

- Full central venous catheterization using ultrasound guided or blind/landmark insertion approaches at the subclavian, supraclavicular, and internal jugular access sites
- Place patient in the proper position per access site standards
- Identify and select the appropriate access site based on patient anatomical variations
- Palpate external landmarks to identify vessel location
- Identify unsuccessful vessel access by fluid feedback representing arterial puncture

LANDMARKS & ANATOMY

Clinically relevant landmarks and anatomy that are palpable and visible under ultrasound including:

PALPABLE LANDMARKS

- Upper torso and neck
- Trachea
- Sternocleidomastoid muscle
- Lateral border of the first rib
- Sternal/clavicular heads

ULTRASOUNDABLE

- Internal Jugular Vein
- Brachiocephalic Vein
- Subclavian Vein
- Clavicle
- Sternal notch
- Manubrium
- Carotid Artery
- Subclavian Artery



CentraLineMan®

COMPONENTS INCLUDE

1 CentraLineMan Body Form
1 Replaceable Tissue
1 Simulated Arterial/Venous Blood
1 Articulating Head (optional)

CentraLineMan System w/o Articulating Head
PART #: CLM-50

CentraLineMan System with Articulating Head
PART #: CLM-51

CentraLineMan® Replaceable Tissues

NORMAL TISSUE

Practice complete blind/landmark or ultrasound-guided central venous catheter insertion skills.
PART #: CLMT-50

OBESE TISSUE

Practice on patients with thicker tissue layers, minimal landmarks, and deeper vessels.
PART #: CLMOT-50

ADVANCED TISSUE

Practice the advanced skills necessary during emergent situations – inserting a line on a patient with an anatomical anomaly.
PART #: CLMAT-50

Non-Sterile Guidewires (25 Pack)
PART #: NSG-10



CLMT-50 **CLMOT-50** **CLMAT-50**

Training Packages

CentraLineMan is a flexible platform with many training packages to suit your needs. Contact Simulab or visit our website to learn more.

SIMULAB

CentraLineMan® Pro

ULTRASOUND VASCULAR ACCESS TRAINER - AUTOMATED & ADJUSTABLE

CentraLineMan® Pro a member of Simulab's ultrasound vascular access product collection, sets the bar in combining realism, affordability and ease-of-use. The innovative product is a hyper-realistic soft tissue training system for teaching blind or ultrasound guided vascular access at the Internal Jugular Vein or Subclavian Vein with the Subclavian or Supraclavicular approaches.



Save time and experience greater control of your training, with the Simulab Difference.

PRODUCT HIGHLIGHTS

- Complete procedure at both the Internal Jugular, Supraclavicular and Subclavian vein sites
- Anatomically correct
- Ultrasound compatible
- Replaceable tissue variations allow for progressive skill development on diverse patient populations
- Self-sealing tissues provide the best value of any trainer on the market, in needle sticks and full catheterizations
- Arterial/venous fluid provides immediate feedback and simulates complications
- Portability allows learners to practice in settings of actual patient care

EASE & ACCURACY OF SETUP

- No-fuss, simple, quick setup and cleanup
- Large fluid reservoir and electronic pump system for arterial & venous fluid with pressure controls
- Properly fill and automatically purge air bubbles from the vessels with the simple push of a button
- Automated reset between each student to ensure integrity of ultrasound imagery, without time consuming intervention

SKILLS

- Full central venous catheterization using ultrasound guided or blind/landmark insertion approaches at the subclavian, supraclavicular, and internal jugular access sites
- Place patient in the proper position per access site standards
- Identify and select the appropriate access site based on patient anatomical variations
- Palpate external landmarks to identify vessel location
- Identify unsuccessful vessel access by fluid feedback representing arterial puncture

LANDMARKS & ANATOMY

Clinically relevant landmarks and anatomy that are palpable

PALPABLE LANDMARKS

- Upper torso and neck
- Clavicle
- Trachea
- Superior Vena Cava
- Sternocleidomastoid muscle
- Lateral border of the first rib

ULTRASOUNDABLE

- Internal Jugular Vein
- Subclavian Vein
- Sternocleidomastoid muscle
- Lung





Watch the **CentralineMan Pro** in action in this short video. Click or scan to view!





SUPERIOR REALISM DURING TRAINING

- Hyper-realistic, durable ultrasound-compatible replacement tissues
- Define and set an automated pulse rate at the start of training freeing you to focus on your learners
- Maintain a suspension of disbelief, with no need for product service interruptions during your training

CentraLineMan® Pro

CentraLineMan Pro System Dark Tone
PART #: CLMP-1001-D

CentraLineMan Pro System Medium Tone
PART #: CLMP-1001-M

CentraLineMan Pro System Light Tone
PART #: CLMP-1001-L

Training Packages

Simulab offers training packages to best suit your needs. Contact your account representative or visit simulab.com to learn more!

Now Available in Dark, Medium and Light Tones



SIMULAB

Ultrasound ArteriaLine & ABG Trainer

RADIAL ARTERY CANNULATION AND ARTERIAL BLOOD GAS SAMPLING

Simulab's **Ultrasound ArteriaLine and ABG Trainer** allows educators to train ultrasound guided radial artery catheterization and perform ABG sampling. This trainer brings medical simulation to new levels with variable pulse strength and rate, a two-part system consisting of a replaceable artery and tissue to provide crisp ultrasound imaging and durability for multiple uses before changing out either part. The system is self-priming, offers palpable landmarks, and arterial pressure that fills an ABG sampling syringe.

Available in Light, Medium and Dark Skin Tones

PRODUCT HIGHLIGHTS

- Artery is palpable at wrist and descends as it travels towards the elbow
- Simulated radial artery that gives realistic resistance when punctured
- Ultrasound compatible replaceable tissue technology with anatomical visualization
- Positive fluid flow with lifelike flashback of simulated blood to provide feedback upon successful vessel access.
- Easy set up and low cost per student vessel replacement
- Self-priming artery with adjustable pulse rate and pulse strength
- Realistic resistance of tissue and artery wall during injection
- Distinct pop of the artery wall during insertion

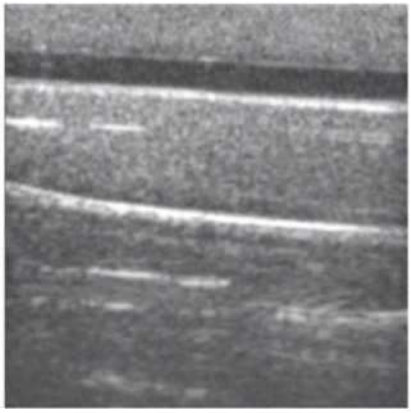


SKILLS

- Master ultrasound guided or blind palpation technique for vascular access of the radial artery
- Practice placing needles and passing the guidewire while performing full catheterization
- Learn to safely maintain an arterial line
- Practice arterial blood gas sampling



FULL CATHETERIZATION WITH ULTRASOUND GUIDANCE



LONGITUDINAL OR TRANSVERSE ULTRASOUND VIEW



REALISTIC ULTRASOUND IMAGING OF RADIAL ARTERY

ArteriaLine & ABG Trainer

Scan this code to view a short video of the simulator and see the realism.

Easy set-up



- SHARP ULTRASOUND IMAGING
- VARIABLE PULSE STRENGTH AND RATE
- PALPABLE LANDMARKS
- ARTERIAL PRESSURE THAT FILLS AN ABG SAMPLING SYRINGE
- BATTERY POWERED FOR TETHERLESS TRAINING

Ultrasound ArteriaLine & ABG Trainer

COMPONENTS INCLUDE

1 Ultrasound ArteriaLine & ABG Trainer
1 Replaceable Tissue
1 10-Pack of Replaceable Arteries
1 Simulated Arterial Blood

Ultrasound ArteriaLine & ABG Trainer
PART #: ALT-10 (Available in Light, Medium & Dark)

Ultrasound ArteriaLine & ABG Trainer Replaceable Components

Ultrasound ArteriaLine Replaceable Tissue
PART #: ALTT-10

ArteriaLine Replaceable Arteries (10-Pack)
PART #: ALTA-10

Training Packages

Contact Simulab to learn more about our ArteriaLine Trainer packages and maintenance programs.

SIMULAB

PICCLineMan™

PERIPHERAL INSERTION, CATHETERIZATION AND CARE

PICCLineMan™ allows healthcare professionals to train using real-time ultrasound guidance during Peripheral Inserted Central Catheter (PICC) insertion. This PICC trainer offers the best value with durable tissues that will endure repeated use. Veins of varying depth and location allow learners to develop anatomical expertise.



PRODUCT HIGHLIGHTS

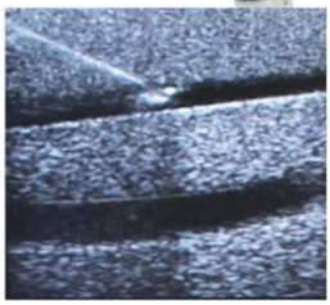
- Anatomically correct human torso and partial right arm at a 90 degree extension with landmarks
- Differentiates arterial and venous blood through pulsations
- Flashback of blue simulated blood upon successful venous access and red simulated blood upon arterial access
- Median Nerve is visible under ultrasound and adds realism in brachial vein access
- Self-sealing veins and skin for multiple cannulations
- Replaceable tissue variations allow for progressive skill development of diverse patient populations
- Optional articulating head (AH-10) enhances realism

SKILLS

- Complete PICC line procedure including guidewire insertion, dilation, and full cannulation
- Peripherally Inserted Catheterization using Basilic, Brachial, or Cephalic Veins
- Normal, Obese, and Geriatric tissue options allow assessing patient variance in vessel depth and sizing
- Using ultrasound guidance during catheter placement
- Palpable anatomic landmarks clinically relevant for measuring catheter length
- Multiple X-Rays provided digitally to support student's pathway in predicting optimum SVC tip position



FULL CENTRAL VENOUS CATHETERIZATION



SHARP ULTRASOUND IMAGING

LANDMARKS & ANATOMY

ULTRASOUND ANATOMY

- Basilic Vein
- Brachial Vein
- Cephalic Vein
- Median Nerve
- Brachial Artery
- Humerus

PICCLineMan™

COMPONENTS INCLUDE

1 PICCLineMan Body Form
1 Replaceable Tissue
1 Simulated Arterial/Venous Blood
1 Pulse Bulb/Venous Pressure Regulator
1 Articulating Head (optional)

PICCLineMan System w/o Articulating Head
PART #: PLM-10

PICCLineMan System with Articulating Head
PART #: PLM-11

Training Packages

Contact Simulab or visit our website to learn more about our PICCLineMan package savings.

PICCLineMan™ Replaceable Tissues

NORMAL TISSUE

Practice isolation and needle insertion on all three access sites using ultrasound guidance
PART #: PLMT-10

OBESE TISSUE

Practice on patients with thicker tissue layers and deeper vessels.
PART #: PLMOT-10

GERIATRIC TISSUE

Practice on patients with aged skin and smaller, superficial vessels.
PART #: PLMGT-10

Non-Sterile Guidewires PICC Line (25 Pack)
PART #: NSG-20



PLMT-10 **PLMOT-10** **PLMGT-10**



SIMULAB

FemoraLineMan™

VENOUS AND ARTERIAL INSERTION AND FULL CATHETERIZATION



FemoraLineMan™ is an ultrasound compatible task trainer and effective training solution for central venous or arterial access using the femoral site. This trainer utilizes the same patented technology as the highly acclaimed CentraLineMan System and allows medical professionals to train with real-time ultrasound guidance during venous or arterial cannulation.

PRODUCT HIGHLIGHTS

- Anatomically correct pelvis with identifiable landmarks, including anterior superior iliac spine, pubic tubercle, and inguinal ligament
- Self-sealing vessels and skin allow for multiple cannulations per tissue
- Quick set up: tissues come pre-filled with fluid, red for the artery and blue for the vein
- Arterial hand pump for a realistic arterial pulse

FemoraLineMan
PART #: FLM-50

FemoraLineMan Replaceable Tissue
PART #: FLMT-50

Non-Sterile Guidewires (25-Pack)
PART #: NSG-10

Training Packages

Learn more about our FemoraLineMan package savings by visiting our website.

SKILLS

- Develop psychomotor skills required for obtaining visualization during cannulation
- Visualize arterial pulse and venous compression
- Identify the anatomical location of target vessel
- Visualize needle cannulation, threading guidewire, and catheter placement
- Practice femoral arterial puncture, catheter insertion or blind/landmark techniques



Lumbar Epidural Trainer

ULTRASOUND GUIDED EPIDURAL INSERTION AND FULL CATHETERIZATION



Safely master critical techniques for spinal epidural insertion and catheterization with Simulab's easy-to-use, ultrasound-guided **Lumbar Epidural Trainer**. Our true-to-life simulator sits upright or in a lateral decubitus position and features the lumbar vertebrae, iliac crest, spinous process, ligamentum flavum, epidural space, and dura. The trainer is available with three varieties of lifelike, ultrasound compatible replaceable tissues that mirror significant anatomical differences found in obese, geriatric, and normal patient populations. Every tissue allows users to experience variances in disc thickness and soft tissue depth on top of the vertebrae.

PRODUCT HIGHLIGHTS

- Replaceable tissue variations allow for progressive skill development of diverse patient populations
- Highly durable replaceable tissue for repeated procedures
- Most realistic tactile feedback on the market

SKILLS

- Use ultrasound and palpation to identify landmarks
- Practice spinal and epidural injections from insertion to full catheterization
- Experience the presence and absence of resistance, and tapping the plunger until loss of resistance is present
- Ability to measure and insert the catheter to the appropriate depth; remove the needle and secure
- Practice the procedure in the left lateral decubitus or sitting position

Lumbar Epidural Trainer

COMPONENTS INCLUDE

1 Lumbar Epidural Trainer
1 Normal Adult Replaceable Tissue
2 IV Bags with IV Pole (IVB-20)
1 Luer Lock Syringe
1 Fill Line
1 Red Concentrate

Lumbar Epidural Trainer
PART #: LE-30

Lumbar Epidural Trainer Replaceable Tissues

NORMAL ADULT REPLACEABLE TISSUE
PART #: LENT-30

GERIATRIC ADULT REPLACEABLE TISSUE
PART #: LEGT-30

OBESE ADULT REPLACEABLE TISSUE
PART #: LEOT-30

SIMULAB

Regional Anesthesia Trainer

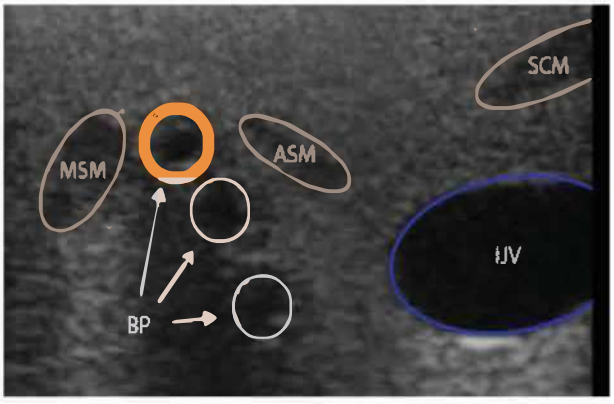
REALISTIC ANATOMY WITH REAL-TIME SYSTEM FEEDBACK



The **Regional Anesthesia Trainer with SmarTissue**™ is the only nerve block training solution that provides a feedback mechanism to gain procedural accuracy and enhance the training experience during interscalene and supraclavicular nerve block skill development. The trainer allows ultrasound practice with visualization of clinically relevant brachial plexus anatomy and needle tip to ensure proper manipulation, placement and proximity to the nerves. The trainer is embedded with SmarTissue technology enabling it to connect with any PC to provide needle-to-nerve visuals and alarm feedback for of proper in technique.

PRODUCT HIGHLIGHTS

- Ultrasound guidance for accurate needle insertion
- Anatomically correct torso with landmarks for enhanced realism
- Distinct, realistic "pop" if needle tip enters neural sheath
- Software shows amber when in contact and red when penetrating the nerve. Optional proximity alarm also sounds for additional training cues
- Optional articulating head increases realism



SKILLS

- Psychomotor skills associated with targeting the nerves of the brachial plexus
- Needle insertion using Interscalene and/or Supraclavicular approaches
- Visualize needle tip positioning, proximity and placement verification
- Recognition of nerve bundles, arteries, and veins

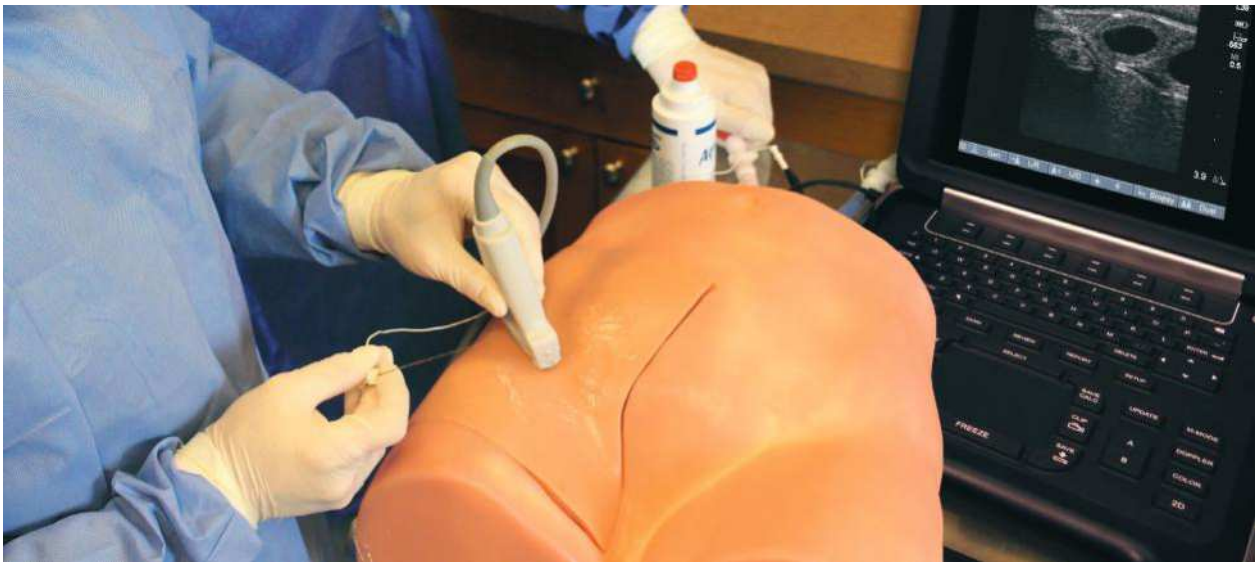
Regional Anesthesia Trainer with SmarTissue w/o Articulating Head
PART #: ISBS-30

Regional Anesthesia Trainer with SmarTissue with Articulating Head
PART #: ISBS-31

Regional Anesthesia with SmarTissue/ Vascular Access Training Package includes ISBS-30 with CentraLineMan Replaceable Tissue (CLMT-50) and Articulating Head
PART #: RAVAI-31

Regional Anesthesia Femoral Trainer

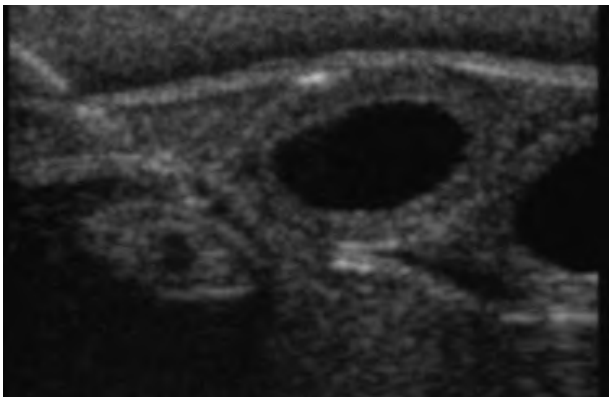
SMARTISSUE PROVIDES VISUAL AND AUDIO PROCEDURAL VERIFICATION



The **Regional Anesthesia Femoral Trainer with SmarTissue™** allows ultrasound practice with visualization of the most clinically relevant femoral anatomy and needle tip to ensure proper manipulation, placement and proximity to the nerves. The system includes a body form and replaceable tissue, each embedded with SmarTissue technology, allowing the system to connect with any PC to provide needle-to-nerve visuals and audio verification of improper technique.

PRODUCT HIGHLIGHTS

- Ultrasound compatible for guidance during needle insertion
- Anatomically correct lower torso with landmarks for placing femoral blocks
- Distinct realistic "pop" is visualized and palpated when the needle passes through the fascia layers
- Software shows amber when in contact and red when penetrating the nerve



SKILLS

- Psychomotor skills associated with targeting femoral nerves for regional anesthesia nerve blocks
- Needle insertion using femoral approach
- Can be injected with simulated anesthesia, which is naturally expelled for repeated use
- Transducer and needle manipulation and movement
- Visualize needle tip positioning, proximity and placement verification
- Recognition of nerves, arteries, veins and fascia layer anatomy

Regional Anesthesia Femoral Trainer with SmarTissue
PART #: FNBS-10

Regional Anesthesia/Vascular Access Femoral Training Package, includes FNBS-10 and FemoraLineMan Replaceable Tissue (FLMT-50)
PART #: RAVAF-10

SIMULAB

Venipuncture Pads

Our ultrasound-compatible **Venipuncture Pads** are perfect for practicing venipuncture or peripheral catheterization on varying sized fluid filled veins. Three veins in the pads are slightly visible and palpable through the skin on one side and obscured by a thicker tissue layer on the other side, simulating patients with varying BMI and providing hand-eye coordination and tactile experience that easily transfers to patient care.

PRODUCT HIGHLIGHTS

- Ultrasound compatible
- Three different sized veins in a two-sided pad
- Durable, self-sealing tissue
- Easily refill veins for multiple uses

SKILLS

- Obtaining intravenous access
- Withdrawing fluids
- Inserting a catheter into a peripheral vein
- Using ultrasound guidance



Large Venipuncture Pad (4"x8"x1")
PART #: LVP-10

Deep Vessel Venipuncture Pad (4"x8"x2")
PART #: DVP-10

Pediatric Venipunture Pad
PART #: PVP-10

Venipuncture Pads with Nerves

Our ultrasound-compatible **Venipuncture Pads with Nerves** are perfect for nerve identification. Practice manipulating the needle tip around various anatomically correct structures until the nerve is located and penetrated.

PRODUCT HIGHLIGHTS

- Three simulated vessels and nerves
- Vessels and nerves can be accessed using ultrasound guidance
- Highly durable for repeated use

SKILLS

- Nerve identification
- Acquire and target solitary nerve via ultrasound
- Simulated anesthetics can be injected to verify needle tip location and practice the entire regional anesthesia procedure
- Vascular access can be practiced with positive flashback and cannulation

Large Venipuncture Pad with Nerves (4"x8"x1")
PART #: LVNP-10

Deep Vessel Venipuncture Pad with Nerves (4"x8"x2")
PART #: DVP-10

Venipuncture Tissue Holder
PART #: VTH-10

Vessel Depth

Standard Pad is 7.65 mm on the shallow side and 17.75 mm on the deep side.

Deep Vessel Pad ranges from 17.75 - 20.3 mm on the shallow side and 22.85 - 25.4 mm on the deep side.



SIMULAB

TraumaChild® System

ADVANCED PEDIATRIC EMERGENCY LIFE SUPPORT



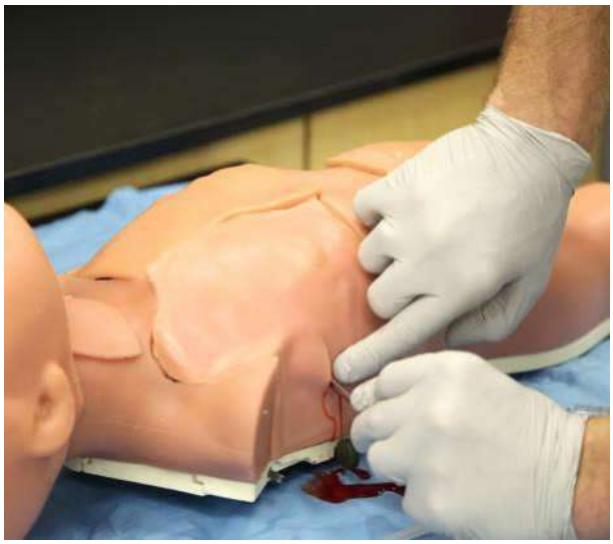
TraumaChild®, our high-fidelity soft tissue simulator was created in the likeness of TraumaMan, the world's most widely used surgical simulator. Simulab leveraged 25 years of global experience, customer feedback, and manufacturing advancements to bring TraumaChild to life. This simulated five-year-old breathes, bleeds and includes tissues that are easily replaceable—giving each student a first cut experience in a safe, simulated learning environment. It is designed to teach advanced trauma surgical skills for Pediatric Advanced Life Support (PALS).

PRODUCT HIGHLIGHTS

- Realistic, anatomically correct five-year-old body form with articulating head
- Flexible design so instructors can train in the ABC order or teach a single procedure
- Quickly sets up in any facility – from a training room, to a hotel or out in the field.
- Replaceable tissues bleed when cut, enhancing realism
- Airway system powered by internal ventilator; providing an airway response to the trachea, lungs & thoracic cavity
- Anatomically correct tissues are easy to replace and offer each student a first cut experience
- Designed with the course coordinator in mind with simplified cleaning and maintenance of replaceable parts
- 12-volt battery available for tetherless training




ARTICULATING HEAD PROVIDES PROCEDURAL REALISM





INTERNAL VENTILATOR PROVIDES AIRWAY RESPONSE



SKILLS

- Surgical Cricothyroidotomy
- Needle Cricothyroidotomy
- Percutaneous Tracheostomy
- Needle Decompression
- Pericardiocentesis
- Chest Tube Insertion
- Diagnostic Peritoneal Lavage

Optional Battery

Training Packages

Learn more about our TraumaChild package savings by visiting our website.

TraumaChild System
PART #: TC-2180

TraumaChild Abdominal Tissue Pack
PART #: TC-AB

TraumaChild Chest Tissue Pack
PART #: TC-CH

TraumaChild Neck Tissue Pack
PART #: TC-NK

SIMULAB

AirwayChild® System

COMPLETE PEDIATRIC AIRWAY MANAGEMENT



Meet **AirwayChild**, a pediatric airway management trainer simulating a 5-year old child. This soft-tissue trainer has realistic anatomy for an immersive training experience. Train oral and nasal intubation, as well as cricothyroidotomy. The AirwayChild System is ultra-realistic, yet affordable and portable.

PRODUCT HIGHLIGHTS

- Low cost replaceable soft airway
- Soft tissue replacement system allows for easy training setup, no tools required
- Integrated cricothyroidotomy module for open or needle cricothyroidotomy
- Ultrasoundable, replaceable trachea structure, with multi-layered skin, muscle and cartilage
- Portable and easy-to-store

Airway Child System

Scan this code to view a short video of the AirwayChild System in action!

Available in Light Medium and Dark Skin Tones

SKILLS

- Learn complete airway management from nasal and oral intubation—to ultrasound-guided needle cricothyroidotomy
- Visually confirm key landmarks: functioning epiglottis, vallecula, and vocal cords
- Practice patient positioning and assess the strength needed for each procedure.
- Practice proper technique for laryngoscope insertion and confirm intubation with feedback from simulated lungs
- Detect intubation errors including, Right Mainstem Intubation

AirwayChild
PART #: AC-1001

PRODUCT HIGHLIGHTS

- Movement, weight, and landmarks mimic 5-year old human anatomy
- Soft palate anatomy allows visual identification during intubation
- Palpable landmarks include hyoid bone, sternal notch and soft life-like tissue
- Visible confirmation of sucessfully intubated lungs when proper intubation is achieved
- Realistic internal anatomy, including tongue, epiglottis, vocal cords, trachea, and esophagus





Training Packages
Learn more about our Airway Family Training package savings by visiting our website or contacting your account specialist at info@simulab.com



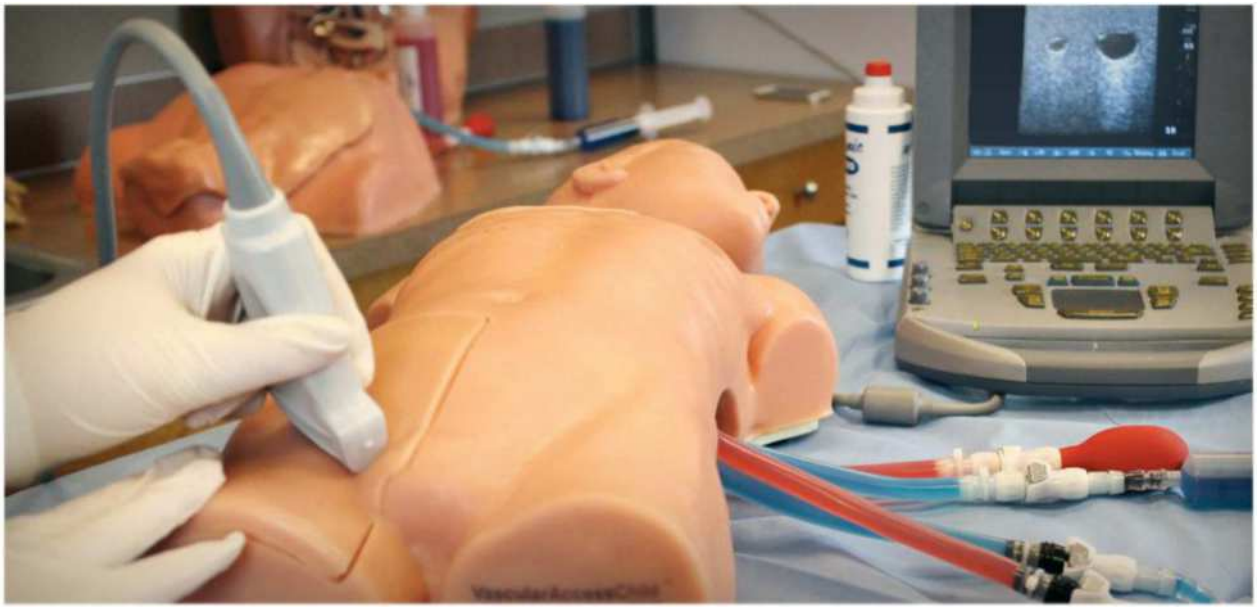




SIMULAB

VascularAccessChild™

THE ONLY PROCEDURAL TRAINER FOR PEDIATRIC CENTRAL LINE INSERTION



VascularAccessChild™ is the only high-fidelity soft tissue simulator designed to train pediatric central line placement. The trainer offers an effective ultrasound-guided solution for central venous access on a simulated five-year-old child that includes three access sites, replaceable tissues, and ultrasound compatibility during catheter placement.

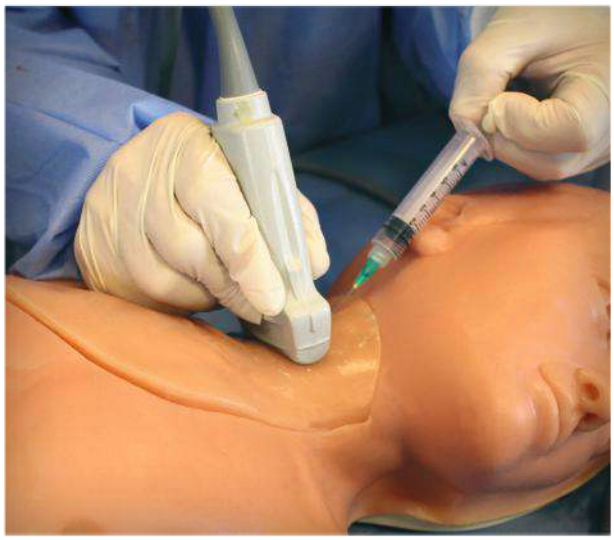
PRODUCT HIGHLIGHTS

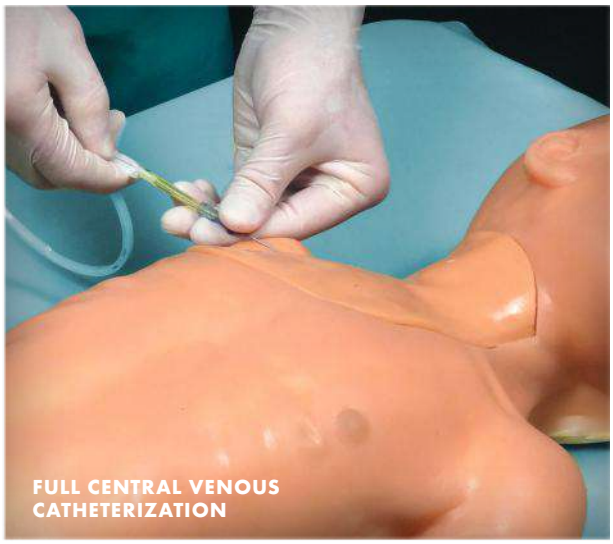
- Anatomically correct, ultrasound compatible, with all relevant landmarks and vascular anatomy needed for catheter insertion
- Exceptional ultrasound imaging
- Two colors of simulated blood differentiate arterial and venous vessels and provide immediate feedback of unsuccessful cannulation



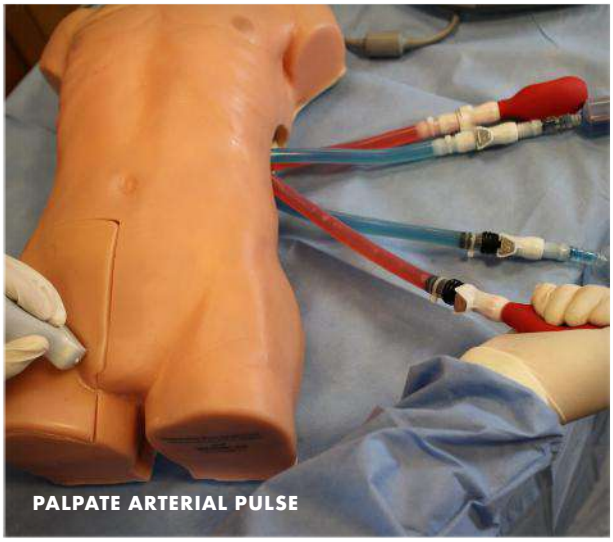
SKILLS

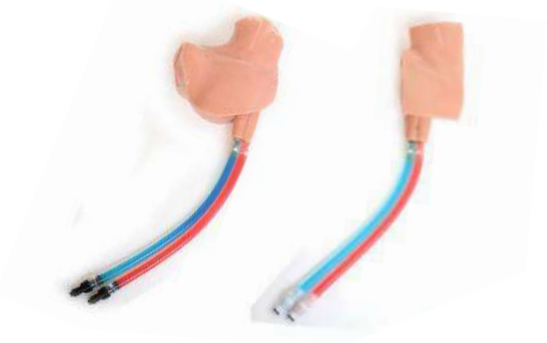
- Practice full central venous catheterization using ultrasound-guided or blind/landmark insertion approaches at the internal jugular, subclavian, and femoral access sites
- Develop psychomotor skills required for obtaining visualization during cannulation on pediatric patients
- Visualize arterial pulse and venous compression
- Visualize needle cannulation, guidewire threading, and catheter placement











Training Packages

Learn more about our VascularAccessChild package savings by visiting our website.

VascularAccessChild
PART #: VAC-30

VascularAccessChild Replaceable Neck Tissue
PART #: VACN-30

VascularAccessChild Replaceable Femoral Tissue
PART #: VACF-30

Pediatric Non-Sterile Guidewires (25 Pack)
PART #: NSGP-10

SIMULAB

LumbarPunctureBaby™

REALISTIC ARTICULATING TWO-WEEK-OLD INFANT



The **LumbarPunctureBaby**™ Trainer simulates a two-week-old infant that can be positioned either lateral or decubitus for ultrasound or blind technique lumbar puncture training. The anatomically correct body form includes an iliac crest and umbilicus. The replaceable tissue has L3 – L5 vertebrae with a sacrum and the gluteal fold. The tissue also includes spinal cord filled with simulated CSF and the epidural venous plexus filled with simulated blood.

PRODUCT HIGHLIGHTS

- Anatomically correct two-week-old infant with flexible body form, ultrasound compatible
- Visible and palpable landmarks include umbilicus, gluteal fold, iliac crest and vertebrae
- The simulator can be positioned and flexed in the lateral decubitus or sitting position

LumbarPunctureBaby Trainer
PART #: LPB-40

LumbarPunctureBaby Replaceable Tissue
PART #: LPBT-40

SKILLS

- Flexible body form provides realism when flexing the infant - simulating moving the interspinous process from a neutral to open position
- Accurate needle placement for positive response and collection of simulated cerebrospinal fluid
- Simulated epidural venous plexus and bony spinous process provides the user with feedback for improper needle placement
- Insertion sites include L3-L4 and L4-L5

Training Packages

New Adult and Pediatric Lumbar Puncture Training Packages available. Ask us to learn more!



SIMULATED ARTICULATING SPINE



COLLECT SIMULATED CEREBROSPINAL FLUID



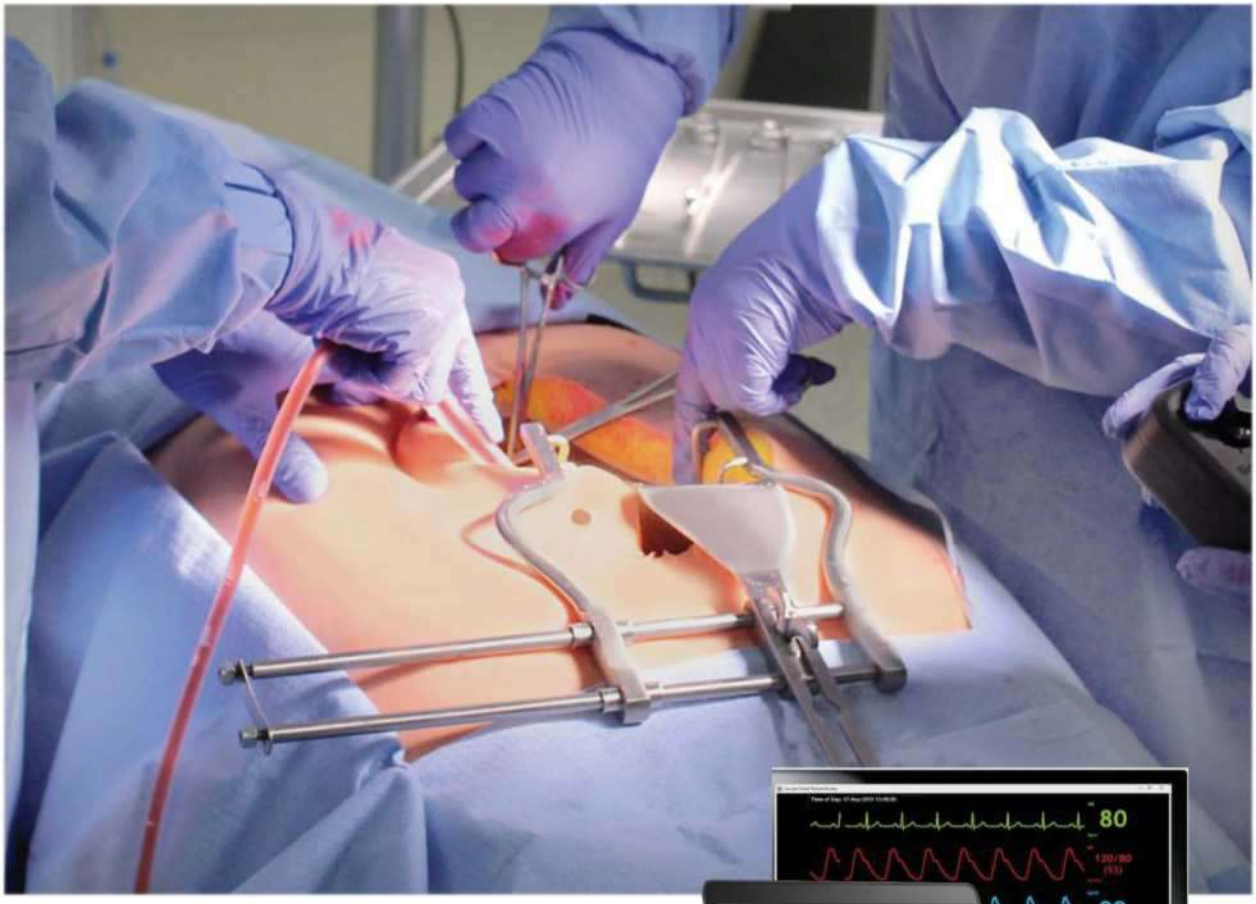
INCLUDES EPIDURAL VENOUS PLEXUS WITH BLOOD RESPONSE



SIMULAB

Surgical Abdomen Training System

ADVANCED TRAINING - COMBINE WITH TRAUMAMAN OR STAND-ALONE OPTIONS



The **Surgical Abdomen Training Platform** is a flexible solution in the growing area of team training and can be added to any simulation setting. Full surgical teams can work on improving technical, task-related skills, critical communication and teamwork during trauma scenarios. Simulab's Surgical Abdomen offers the opportunity to diagnose and treat renal or aortic injury, the management of emergency surgery, preparation for a catastrophic surgical event. It also builds reliability and confidence in an individual role within a team framework.



VIRTUAL PATIENT MONITOR

The system is powered by Simulab's **improved blood circulation system** so students can assess and control blood loss with suction and easy-to-use remote control. System can be battery operated for tetherless training.



MANAGE BLOOD FLOW AND SUCTION CONTROL

FEATURES

- Anatomically correct human abdominal cavity including vertebral column, kidneys, intestines, complete digestive tract, renal artery and aorta
- Adjustable blood flow to the operative site
- Large, replaceable abdominal tissue that can be reused for multiple scenarios
- Includes multiple catastrophic event scenarios to increase team training opportunities

SKILLS

- Interact and communicate through emergency protocols within a large team scenario
- Diagnose and treat aortic or renal artery injuries, or a lacerated kidney
- Manage blood flow
- Locate wound site, manage and repair the bleeding organ

Choose the **Surgical Abdomen For TraumaMan** or our **Universal, Stand-Alone Platform**

TRAUMAMAN SURGICAL ABDOMEN

Transform your TraumaMan System's abdominal area into a blood pumping surgical site by choosing the Surgical Abdomen for TraumaMan, which integrates the platform into your existing system.

UNIVERSAL SURGICAL ABDOMEN

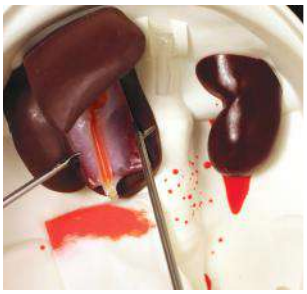
Surgical Abdomen is also available as a universal, stand-alone version. This flexible platform accommodates a wide range of simulation settings and easily integrates with the CentraLineMan System, our Regional Anesthesia Nerve Block simulator, or any upper body simulator.

TraumaMan® Surgical Abdomen Training System
PART #: SATP-1130

Universal Surgical Abdomen Training System
PART #: SATP-1230



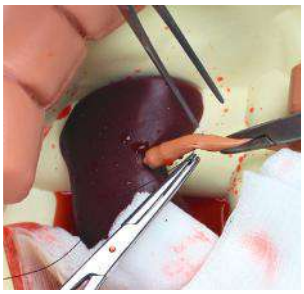
SCENARIO OPTIONS



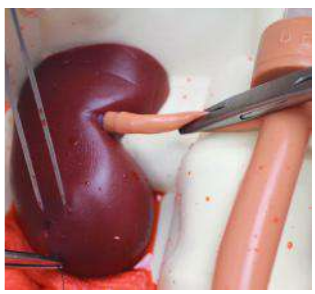
CHOLECYSTECTOMY



NICKED AORTA



NICKED RENAL ARTERY



LACERATED KIDNEY

SIMULAB

Laparoscopic Trainers

BUILD BASIC TO ADVANCED SURGICAL SKILLS & PROCEDURAL KNOWLEDGE



Complete Digestive Tract
PART #: SDT-10

Complete soft tissue digestive tract (15 feet) which can be used with the Surgical Abdomen Training Platform, Nissen Fundoplication Model (LNF-10), any abdominal trainer or separately



Laparoscopic Cholecystectomy Model
PART #: LC-10

This procedural training module is designed for the dissection and removal of the gall bladder



Laparoscopic Nissen Fundoplication Model
PART #: LNF-10

This procedural trainer is designed to fit inside any of Simulab's abdominal trainers for laparoscopic or open procedural training



Common Bile Duct Exploration Model
PART #: LCD-10

This anatomically correct model is perfect for practicing laparoscopic transcystic common bile duct exploration

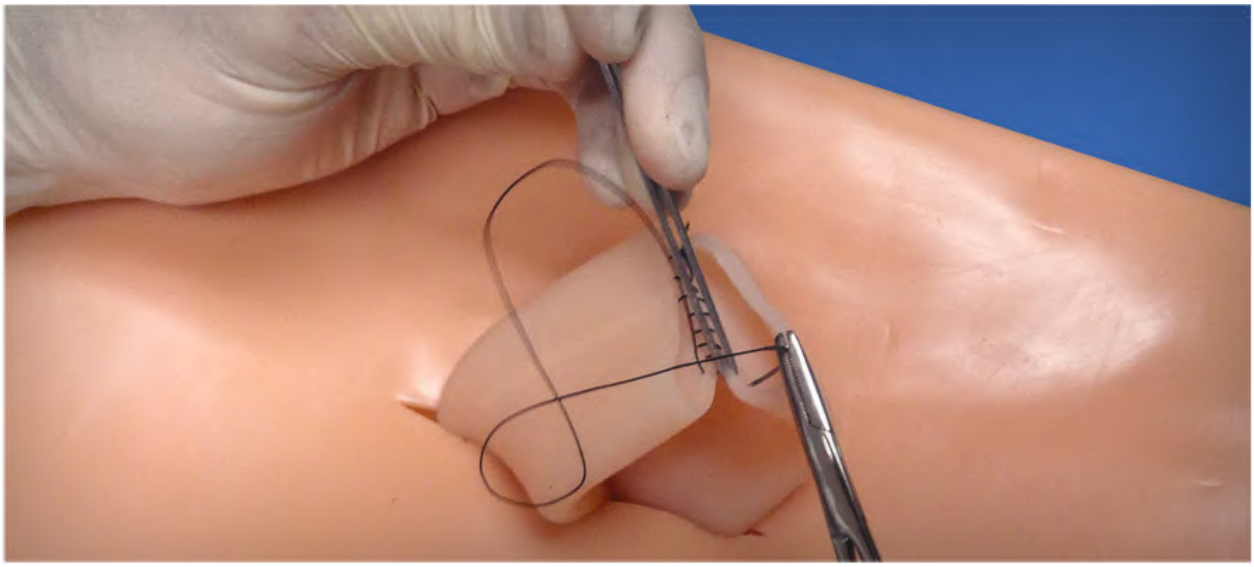


Flexible Training

Simulab's laparascopic models are compatible with the Surgical Abdomen System and can also be used separately to build your own training scenario.

Laparotomy Trainer

SURGICAL INCISING, EXPLORATION, AND SUTURING



The **Laparotomy Model** simulates an open laparotomy procedure. This trainer includes a replaceable abdominal tissue cover that has skin, subcutaneous fat, fascia, preperitoneal fat, and peritoneum.

PRODUCT HIGHLIGHTS

- Lifelike tissue with includes skin, subcutaneous fat, fascia, preperitoneal fat, and peritoneum.
- Simulator base designed for multiple uses with replaceable tissue and can be used for a variety of procedures
- The base is watertight and can be filled with fluid
- It also includes two clips for securing internal tissue structures like a simulated intestine.

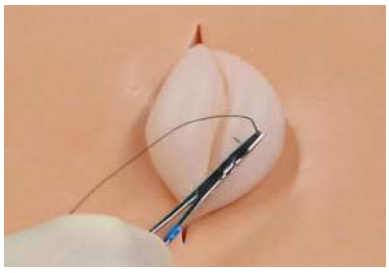
SKILLS

- Incision and closure of the midline abdominal region
- Bowel anastomosis
- Surgery in the abdominal region

Laparotomy Trainer
PART #: LPM-10

Laparotomy Replaceable Tissue
PART #: LPMT-10

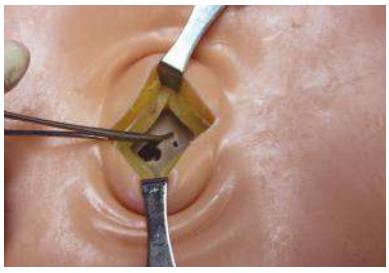
Large Intestine
PART #: LGI-10



USED TO SIMULATE ANASTOMOSIS



ALLIGATOR CLIPS FOR SECURING INTERNAL STRUCTURE



TISSUE LAYER

SIMULAB

Basic Open Surgical Skills (BOSS)

FLEXIBLE PLATFORM FOR BASIC TO ADVANCED SUTURING



Basic Open Surgical Skills (BOSS) is a flexible platform for developing basic to advanced suturing skills and techniques. The platform combines tasks to develop instrument handling, suturing, injection, and knot tying techniques. It provides an easy to clean platform for synthetic or cadaveric task modules. The ergonomic design creates a realistic tool for improving skills. BOSS can be purchased at a discount in a variety of Package Options or as a Volume Package to build a 10-Student Surgical Skills Lab.

PRODUCT HIGHLIGHTS

- Durable multi-use platform can be used with any combination of materials
- Ergonomic design ensures correct hand positioning
- Small, portable platform perfect for simulation lab or home use

SKILLS

- Basic to advanced suturing
- Suturing on a skin surface
- Subcuticular suturing
- Knot tying under tension and at depth
- Administering injections
- Instrument handling
- Wound closure techniques
- Bowel anastomosis

INCLUDED

SUTURING SKILL TRAINING VIDEO

Each BOSS System comes with a suturing and knot tying curriculum developed by **University of Washington educators**. It guides the student through a series of suturing and knot-tying training exercises that prepares them for testing. Also included is an **Assessment Metrics Sheet** to help students test themselves against clinical standards.

Training Packages

Simulab offers many training packages for the Basic Open Surgical Skills (BOSS) Trainer that offer value and can be built to suit your program needs. Contact us or visit our website to learn more.

Suturing Tissues

FLEXIBLE PLATFORM FOR BASIC TO ADVANCED SUTURING

Tissue Suture Pad
PART #: TSP-10

Practice suturing skills with lifelike tissue structure molded in various shapes and sizes



Directional Suture Pad
PART #: DSP-10

Work on needle-entry skills from all directions with our life-like tissue structure molded in two tissue plane variations



Tissue Suture Pad Package
PART #: TSPP-10

Our best-selling Tissue Suture Pad lets you work with different tissue planes and depths; and the Directional Tissue Pad allows for needle practice in all directions



Student Suturing Kit
PART #: STK-10

The Student Suturing Kit includes a Tissue Suture Pad, a Subcuticular Suturing Model, a Complex Tissue Model, a Suturing Instrument Kit, an Instructional video and a Self Assessment Metrics Sheet



Standard Tissue Pad
PART #: TSM-10

Tissue layers include skin and subcutaneous fat. It is excellent for incising and suturing



Complex Tissue Pad
PART #: TSC-10

Tissue layers include skin, subcutaneous fat, fascia and pre-peritoneal fat. It is an excellent simulation for multilayer dissecting and suturing



Subcuticular Suturing Pad
PART #: SCS-10

Contains skin and subcutaneous fat. This pad is excellent for practicing subcuticular suturing



Subcutaneous Injection Pad
PART #: SIP-10

The pad has multiple layers to represent skin, fat, and muscle to practice tissue injection techniques



Injectable Tissue Pad
PART #: ITM-30

The Injectable Tissue Pad contains realistic skin and absorbent foam. It is an excellent simulation for practicing injections



SimuGear

Additional accessories for enhanced suturing training available on our SimuGear page.

SIMULAB

LapTrainer with SimuVision®

SIMULATED LAPAROSCOPIC VIDEO TRAINER FOR APDS AND FLS SURGICAL SKILLS



The **LapTrainer with SimuVision®** includes a highly portable, innovative laparoscopic video trainer. SimuVision technology integrates into the trainer to create an affordable and portable platform for building laparoscopic surgical skills. Laparoscopic Skill Modules, available for the LapTrainer help students prepare for ACS/APDS Surgical Skills Curriculum for Residents, as well as for the FLS Curriculum. These skill sets build basic hand-eye coordination as well as sufficiency in tool handling and precision in various surgical techniques.

LapTrainer with SimuVision
PART #: LTS-40

PRODUCT HIGHLIGHTS

- Portable and affordable
- Similar look and feel of an actual laparoscope
- Boom mounted, fully adjustable 1080p high definition camera with autofocus
- Set up in less than five minutes on any PC
- Record and store video files
- FLS and APDS compatible

SKILLS

- Develop laparoscopic surgical skills and dexterity
- Improve eye-hand coordination
- Practice transferring, dissection and suturing



Laptop and instruments not included

Laparoscopic Skill Set Modules

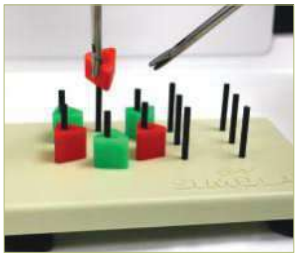
SIMULATED LAPAROSCOPIC VIDEO TRAINER FOR APDS AND FLS SURGICAL SKILLS

Laparoscopic Skill Set Modules are available for the LapTrainer to help students prepare for FLS Curriculum and ACS/APDS Surgical Skills Curriculum for Residents. These skill sets build basic hand-eye coordination as well as proficiency in tool handling and precision in various surgical techniques.

LAPAROSCOPIC STUDENT SKILL SET

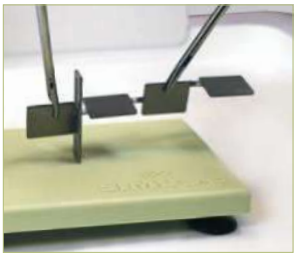
Part # SS1-10

Includes Peg Transfer Board, Key and Rope Trainer, Tissue Suture Pad, and Simulated Intestine skill task trainers.



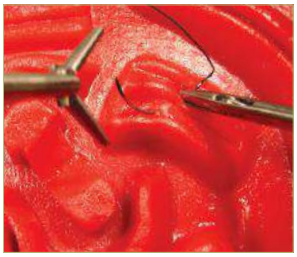
PEG TRANSFER

Lift each disk, transfer it between hands, and place it on correct peg. Develops eye-hand coordination and ambidexterity.



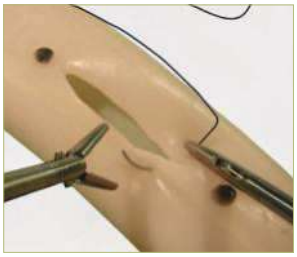
KEY AND ROPE

Turn key or thread a rope through slot. Develops 3D to 2D orientation skills, ambidexterity, and unnatural wrist rotations.



TISSUE SUTURING

Practice suturing and knot tying in a wide variety of wounds. Develops skills required for needle transferring and placement of a suture.



SIMULATED INTESTINE

Suture a soft tissue model (Simulated Intestine included) held in place using suction clips. Develops advanced suturing and tissue skills.

APDS BASIC LAPAROSCOPIC SKILL SET

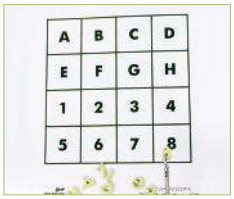
Part # SS2-10

Includes Bean Drop, Checkerboard, Block Move, Running String and Suture Foam skill task trainers.



BEAN DROP

Grasp beans and move them 15cm to place them in a 1-cm hole at the top of an elevated cup.



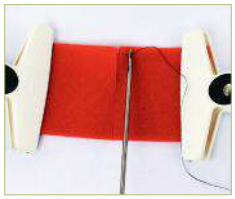
CHECKERBOARD

Arrange sixteen letters and numbers in the correct squares on the template.



BLOCK MOVE

Lift blocks using a curved needle fixed to a grasper. Move blocks 15cm and place in designated space.



SUTURE FOAM

Suture two foam squares together using a Grasper and Endostitch.



RUNNING STRING

Grasp a string only at the colored sections marked at 12-cm intervals. Skill mimics running bowel.

Training Packages

Learn more about our Laparoscopic Skill Set Training Modules and package savings by contacting Simulab or visiting our website.

SIMULAB

Perineal Repair Trainer

ANATOMICAL AND PROCEDURAL TRAINING OF 1ST TO 4TH DEGREE PERINEAL REPAIR



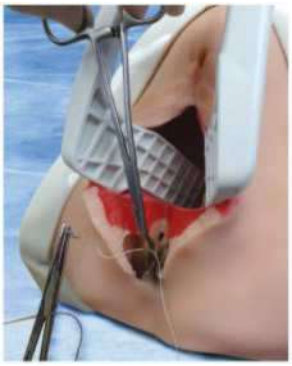
The **Perineal Repair Trainer** is the only soft tissue model for anatomical and procedural training of first to fourth degree perineal tears. The trainer includes vaginal and anal canals, rectovaginal fascia, skin and muscle layers, a retractable rectal sphincter and rectal mucosa; and allows for midline, mediolateral, and lateral incisions.

PRODUCT HIGHLIGHTS

- The replaceable tissue allows for multiple cuts and realistic suturing of the vaginal mucosa, muscle and subcutaneous layers
- The tray overlays the tissue providding tension that enhances the simulation and creates a bony anatomical landmark simulating the ischial spine that allows the user to perform a pudendal block
- The internal distension rod provides more realistic access to deeper tissues during 3rd and 4th degree repairs



INCLUDES ALL CLINICALLY RELEVANT LANDMARKS



PRACTICE 1ST THROUGH 4TH DEGREE REPAIRS

SKILLS

- Midline, mediolateral and lateral incisions
- Replaceable tissue allows for multiple incision site and suturing
- Most realistic tissue properties for 4th degree repair - retractable sphincter and rectal mucosa

Perineal Repair Trainer
PART #: PRT-20

Perineal Repair Replaceable Tissue
PART #: PRTT-20



SIMULAB

Lumbar Puncture Trainer

UNSURPASSED VALUE WITH CLINICALLY RELEVANT ANATOMY



Safely master critical techniques for lumbar puncture insertion with Simulab's easy-to-use, ultrasound-guided **Lumbar Puncture Trainer**. Our true-to-life simulator sits upright or in a lateral decubitus position and features the lumbar vertebrae, iliac crest, spinous process, ligamentum flavum, and epidural space; with a fluid-filled compartment for simulated cerebrospinal fluid. The trainer is available with three varieties of lifelike, ultrasound compatible replaceable tissues that mirror significant anatomical differences found in obese, geriatric, and normal patient populations. Every tissue allows users to experience variances in disc thickness and soft tissue depth on top of the vertebrae.

PRODUCT HIGHLIGHTS

- Self-healing replaceable tissue is highly durable for repeated procedures
- Replaceable tissue variations allow for progressive skill development of diverse patient populations
- Durable and replaceable tissue
- Most realistic tactile feedback on the market

SKILLS

- Use ultrasound or palpation to identify key landmarks
- Experience lifelike needle resistance, including pops when needle transverses ligamentum flavum and dura
- Allows students to collect CSF
- Practice the procedure in the left lateral decubitus or sitting position



Lumbar Puncture Trainer

COMPONENTS INCLUDE

1 Lumbar Puncture Trainer
1 Normal Adult Replaceable Tissue
2 IV Bags with IV Pole (IVB-20)
Lumbar Puncture Trainer
PART #: LP-30

Training Packages

NEW

New Adult and Pediatric Lumbar Puncture Training Packages available. Ask us to learn more!

Lumbar Puncture Trainer Replaceable Tissues

NORMAL ADULT REPLACEABLE TISSUE
PART #: LPNT-30

GERIATRIC ADULT REPLACEABLE TISSUE
PART #: LPGT-30

OBESE ADULT REPLACEABLE TISSUE
PART #: LPOT-30

Ultrasound Paracentesis Trainer

DIAGNOSTIC AND THERAPEUTIC ABDOMINAL PARACENTESIS



Our realistic, yet durable **Ultrasound Paracentesis Trainer** allows users to gain procedural accuracy as they practice performing paracentesis with or without ultrasound. Positioned to simulate a patient sitting up at a 45-degree angle with a distended abdomen the realistic internal anatomy includes the pubis symphysis and iliac crest. Perform a diagnostic procedure with a small amount of fluid removed or shift to a therapeutic approach to mimic the removal of more fluid to reduce intra-abdominal pressure and relieve other associated symptoms.

PRODUCT HIGHLIGHTS

- Ultrasound compatible with replaceable tissue
- Additional anatomy includes superficial epigastric vessels, partial liver, partial spleen, rectus abdominis muscles, mesentery and intestines
- Anatomical landmarks include the umbilicus, pubis symphysis, and anterior superior iliac spine
- Remove up to one liter of intraperitoneal fluid

SKILLS

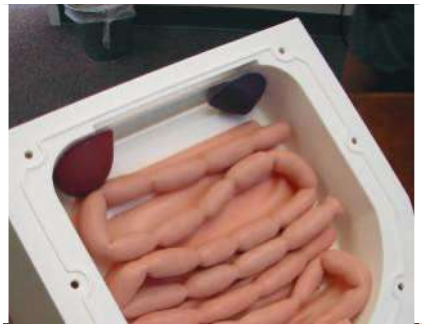
- Drain fluid from the peritoneal cavity
- Locate pocket of ascites
- Gauge the distance from skin to fluid, and avoid bowel
- Look for blood vessels beneath the skin using a vascular probe

Paracentesis Trainer
PART #: PAC-20

Paracentesis Replaceable Tissue
PART #: PACT-20



ULTRASOUND COMPATIBLE TISSUE



REALISTIC INTERNAL ANATOMY



ANATOMICALLY CORRECT LANDMARKS

SIMULAB

Ultrasound Thoracentesis Trainer

ADJUSTABLE SIZE OF PLEURA EFFUSION



The **Ultrasound Thoracentesis Trainer** simulates the left side of the torso with anatomical landmarks including the scapula, ribs, diaphragm, pleural cavity, and lung. The simulated lung can be visualized as an echogenic structure with an inflation mechanism to adjust the size of the pleural effusion. Positive fluid flow offers users feedback when pleural effusions are accurately accessed.

PRODUCT HIGHLIGHTS

- Using ultrasound to identify fluid location
- Anatomically correct with proper landmarks
- Model base designed for multiple uses with replaceable tissue
- Self-sealing for multiple procedures
- Simulated lung can be visualized as an echogenic structure with an inflation mechanism to adjust the size of the pleural effusion

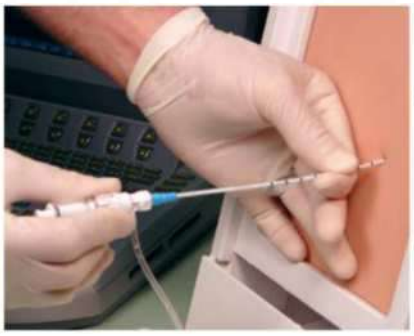
SKILLS

- Removal of fluid from the pleural cavity
- Understanding pleural effusions

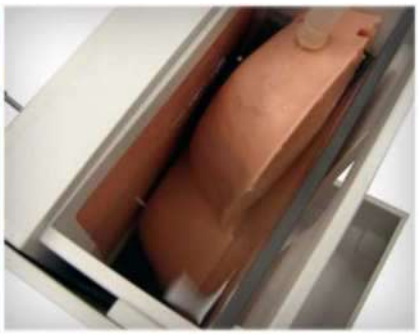
Ultrasound Thoracentesis Trainer
PART #: THM-30
Ultrasound Thoracentesis Replaceable Tissue
PART #: THMT-30



ULTRASOUND COMPATIBLE TISSUE



EXTREMELY DURABLE TISSUE FOR REPEATED USE



OPEN TOP ALLOWS CATHETER DEPTH VISUALIZATION

Ultrasound Arthrocentesis Trainer

JOINT ASPIRATION AND INJECTION



Practice diagnosis and management of knee effusion with Simulab's **Ultrasound Arthrocentesis Trainer**. This anatomically correct trainer represents an extended left leg with ultrasound compatible areas, including the patella, patellar ligament, tibia, fibula, femur, synovial sac, and synovial fluid. Synovial fluid can be aspirated from a joint cavity using the medial or lateral approach. The insertion sites include suprapatellar and parapatellar.

PRODUCT HIGHLIGHTS

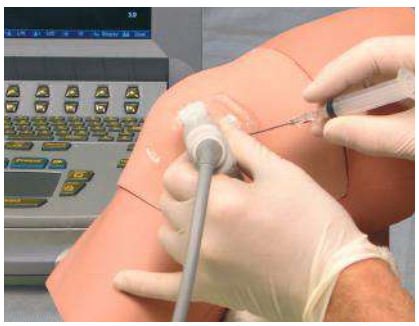
- Ultrasound-compatible, replaceable tissue is refillable and durable for multiple uses
- Realistic, tactile feedback
- Bony contact sensation when the needle hits patella or femur
- Fluid can be left clear or colored
- Ability to milk the suprapatellar pouch
- Ability to increase or decrease the size of effusion

SKILLS

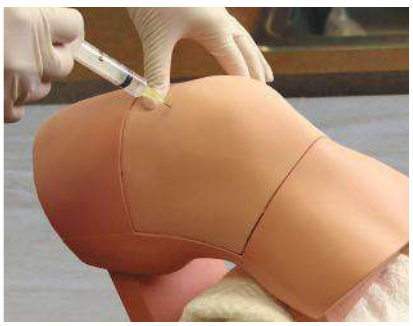
- Medial and lateral approach
- Suprapatellar and parapatellar insertion sites
- Palpating significant anatomic landmarks

Ultrasound Arthrocentesis Trainer
PART #: ARC-20

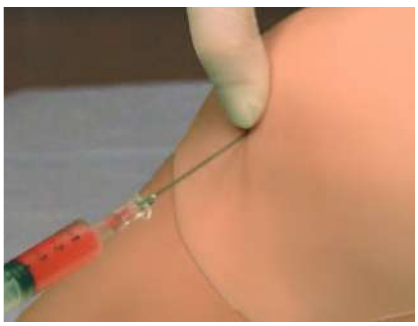
Ultrasound Arthrocentesis Replaceable Trainer
PART #: ARCT-20



ULTRASOUND COMPATIBLE TISSUE



MEDIAL AND LATERAL APPROACHES



ADD COLOR TO FLUID

SimuGear®

SIMULAB ACCESSORIES TO ENHANCE YOUR TRAINING

TraumaMan Instrument Kit
PART #: TIK-10

This kit is complete with all necessary instruments for all TraumaMan procedures. It includes needles, syringes, clamps, forceps, retractors, needle holders, hemostats, scalpels, sutures, needle catheters, guidewires, an endotracheal tube, and more.



Surgical Abdomen Instrument Kit
PART #: SAIK-10

This kit includes the instruments for use with the Surgical Abdomen. It includes a Balfour Abdominal Retractor, clamps, forceps, needle holders and more.



Suturing Instrument Kit
PART #: SIK-10

This kit is for suturing training and includes a scalpel, hemostat, forceps, scissors and sutures.



TraumaChild System Add-On Instrument Kit
PART #: TAK-10

When added to the TraumaMan Instrument Kit (TIK-10) the user will have the necessary instruments for all TraumaChild procedures.



Non-Sterile Guidewires (25 Pack)
PART #: NSG-10

Pediatric Non-Sterile Guidewires (25 Pack)
PART #: NSGP-10

Non-Sterile Guidewires PICC Line (25 Pack)
PART #: NSG-20



Simulated Venous Blood
PART #: MV-16

Simulated venous blood, 16-ounces for use with our vascular access and regional anesthesia trainers.



Simulated Arterial Blood
PART #: MA-16

Simulated arterial blood, 16-ounces for use with our vascular access and regional anesthesia trainers.



Red Concentrate for Simulated Fluids
PART #: TMP-1017

For use in TraumaMan and TraumaChild tissues only.



Red Concentrate for Arterial Blood
PART #: MAC-4



SimuSensor Venous Fluid Concentrate
PART #: SSV-16

Simulated Venous fluid for use with the PacerMan System.



Simulated IV Bag Package - Adult
PART #: IVB-20

Simulated IV Bag Package - Pediatric
PART #: IVB-10



Replaceable IV Bags - Adult (2 Pack)
PART #: IVB-22

Replaceable IV Bags - Pediatric (2 Pack)
PART #: IVB-12



Hand Pump (Red Bulb)
PART #: CLP-1008

This pulsatile Hand Pump comes prefilled with red fluid to create a simulated pulse visible under ultrasound and provides a strong landmark when palpated. Compatible with our vascular access and regional anesthesia trainers.



Venous Pressure Regulator
PART #: CLP-1001

This syringe which comes prefilled with blue venous fluid can be used to adjust the system's blood pressure on our vascular access and regional anesthesia trainers.



Skin Conditioning Powder
PART #: TMP-1018

The skin conditioning powder gives the skin on our simulators a more realistic feel.



SIMULAB

System Battery Pack (2.6 Amps)
PART #: PMP-1009

For a more realistic and immersive experience, let your next training be untethered. This Battery Pack is compatible with our PacerMan System, ArterialLine Trainers, and our Surgical Abdomen Training System.



System Battery Pack (5.2 Amps)
PART #: TMS-1023

For a more realistic and immersive experience, let your next training be untethered. This Battery Pack is compatible with our TraumaMan System.



System Battery Charger
PART #: TMS-1024

Charge your System Battery Pack with this Battery Charger. The charger provides a notification light that turns green when fully charged and is compatible with the PMP-1009 Battery Pack and the TMS-1023 Battery Pack.



Venipuncture Tissue Holder
PART #: VTH-10

Our Tissue Holder features natural arm and leg curvature so the pads can be worn by any standardized patient or patient simulator.



Patient Positioning Tray
PART #: PPT-10

Compatible with both the CentraLineMan System and the Regional Anesthesia Trainer and offers users the opportunity to practice the complete central line insertion and nerve block administration procedures from start to finish. Place the simulator in a 15° Trendelenberg position or 15° semi-lateral position for enhanced realism.



Adjustable Tissue Tray
PART #: ATT-10

The Adjustable Tissue Tray may be used as a stand-alone Surgical Skills Tray or is compatible with our BOSS Basic Open Surgical Skills Trainer. The ergonomic design promoted proper hand placement during suturing and allows users to adjust pressure at the site.



Contoured Tissue Tray
PART #: CTT-10

Any of our tissue models can be inserted into the Contoured Tension Tray to simulate the natural curve of an arm or leg, increasing the suturing difficulty.



Contact us today to learn more about how Simulab can provide your program with the best in medical simulation.

(206) 297-1260 | **info**@simulab.com
www.**simulab**.com

A message from

Christopher Toly

CHIEF EXECUTIVE OFFICER



Entering 2023, Simulab continues to grow and expand our team worldwide. We have been working very hard over the past two years to ensure our products reflect the unique and changing needs of the global healthcare education community, and we look forward to sharing the new products and services debuting this year.

As always, we pride ourselves on listening to our customers, and if you need anything that is not yet in our catalog, please let us know.

Team Simulab understands that our customers worldwide have been busy managing the complex healthcare demands over the past two and a half years, yet with these increased demands, you kept training. We want to express our sincere thanks for all you do.

Simulab is a vertically integrated manufacturer; we work hard to strategize and plan our manufacturing to keep up with your needs. We manufacture the majority of our product components and have yet to experience the supply chain issues that other companies might be experiencing. It is important to us that you can rely on us to be there when you need us.

Thank you for making 2022 another record year for Simulab. Without your commitment to partnering with us for the last 28 years, we would not be the company we are today. We look forward to working with you this year and continuing to partner with you to meet your needs.

Sincerely,

Christopher Toly

CEO/CTO

ALMOST **HUMAN**

Simulab is committed to replicating human anatomy and building realistic, easy-to-use training tools for medical education. By collaborating closely with leading educators, leveraging over 25 years of experience and continually pushing the bounds of realistic tissue discovery, Simulab has become the market leader in realistic and affordable solutions for a vast array of educational needs.

With in-house research and development efforts focused on anatomical realism and product innovation, Simulab has contributed significant advances to the field of simulation. The TraumaMan System is the world's most widely used surgical simulator.

Simulab proudly serves those who have served in all branches of the United States Military, the VA and NIH. For ease of use for all our government customers, we maintain both GSA and ECAT Contracts.

Simulab builds custom solutions for medical device, pharmaceutical, and diagnostics manufacturers. Simulab can highlight the unique aspects of your product in the most convincing, durable and cost effective way.

Located in Seattle, Washington just minutes from the highly acclaimed University of Washington School of Medicine, Simulab has numerous United States and European patents.

All Simulab products are entirely latex-free.



LAPARO
Medical Simulators



The future of **surgical training**

LAPARO®
Medical Simulators

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LAPARO®
Medical Simulators

Laparo Medical Simulators is a technology company based in Poland, dedicated to advancing surgical and medical education through innovative, high-quality simulation training equipment. Their laparoscopic simulators are designed with precision and attention to detail, providing medical professionals with a safe and controlled environment to practice and improve their laparoscopic surgical skills.

With a focus on quality and innovation, Laparo Medical Simulators is dedicated to providing medical professionals with the most advanced and effective laparoscopic simulation training equipment.

MISSION
Laparo's mission is to provide innovative medical simulation solutions that accompany medical staff at every stage of their professional path.

VISION
Our technologically advanced solutions minimize the risk of medical errors and are the educational standard all over the world.





2015

Foundation Year

38

Employees

100

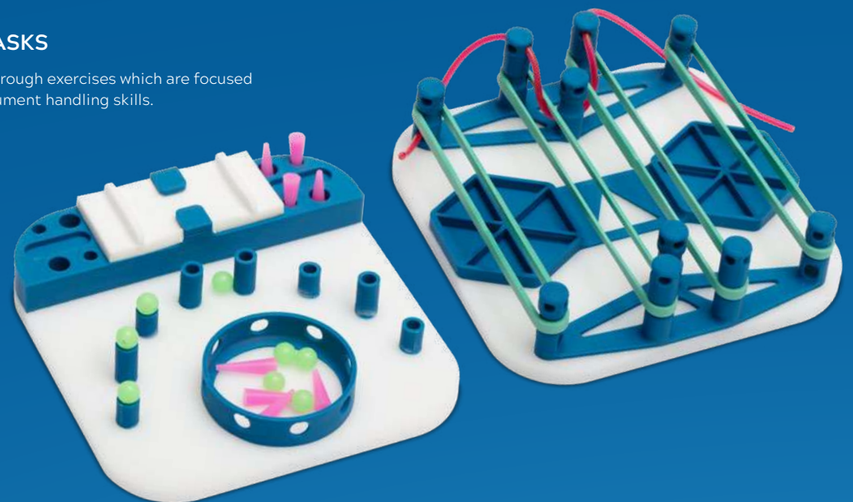
Countries with established presence

LAPARO TRAINING PROGRAM

Laparo Training Program is a unique and comprehensive skills training program for learning laparoscopy. Students on this training path are guided from the simplest exercises all the way to the most advanced suturing techniques, complex instrument movements, and techniques. By breaking down each complex skill into separate exercises and by steadily increasing the difficulty, this program aims to make the steep learning curve easier for the trainee. Laparo Training Program is almost 60 exercises divided into 4 levels and additional procedures.

① BASIC SKILLS - 14 TASKS

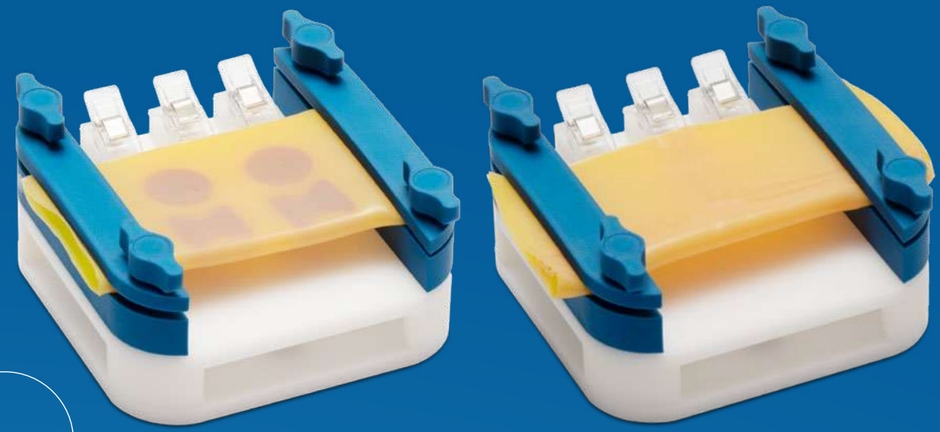
- This course walks the trainee through exercises which are focused on developing entry-level instrument handling skills.





② BASIC SUTURING - 11 TASKS

- This course takes place entirely on the Suturing Module. It splits up suturing skills into easier-to-learn sub-skills.

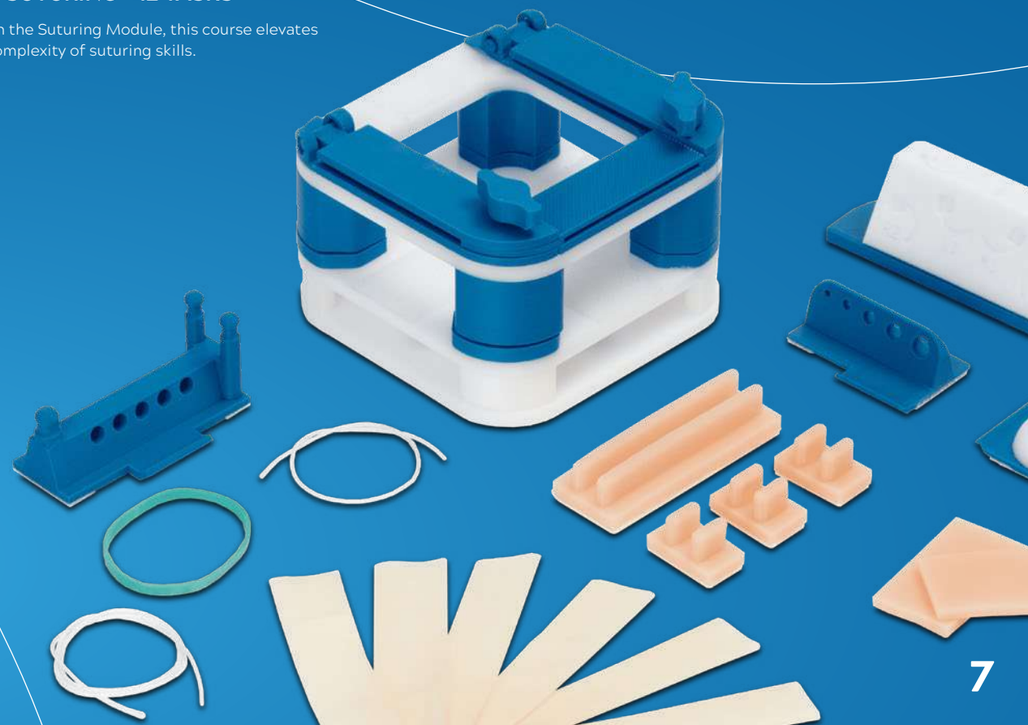


③ INTERMEDIATE - 9 TASKS

- These exercises take place mostly on the Dissection Module and rely heavily on consumable silicone inserts which simulate the properties of real-life tissue.

④ ADVANCED SUTURING - 12 TASKS

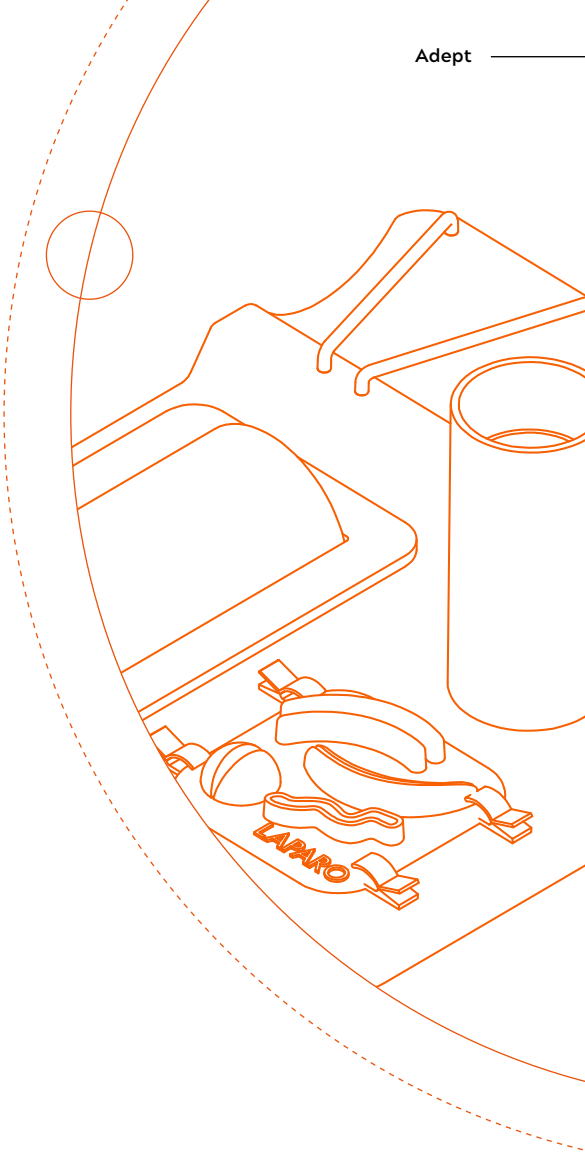
- Also taking place on the Suturing Module, this course elevates the difficulty and complexity of suturing skills.



ADEPT

Suture-Skills Trainer - LAPARO Adept

The Laparo Adept is a suturing technique training platform designed for medical students. This set includes 5 training modules, differentiated by difficulty and features, and all needed instruments.



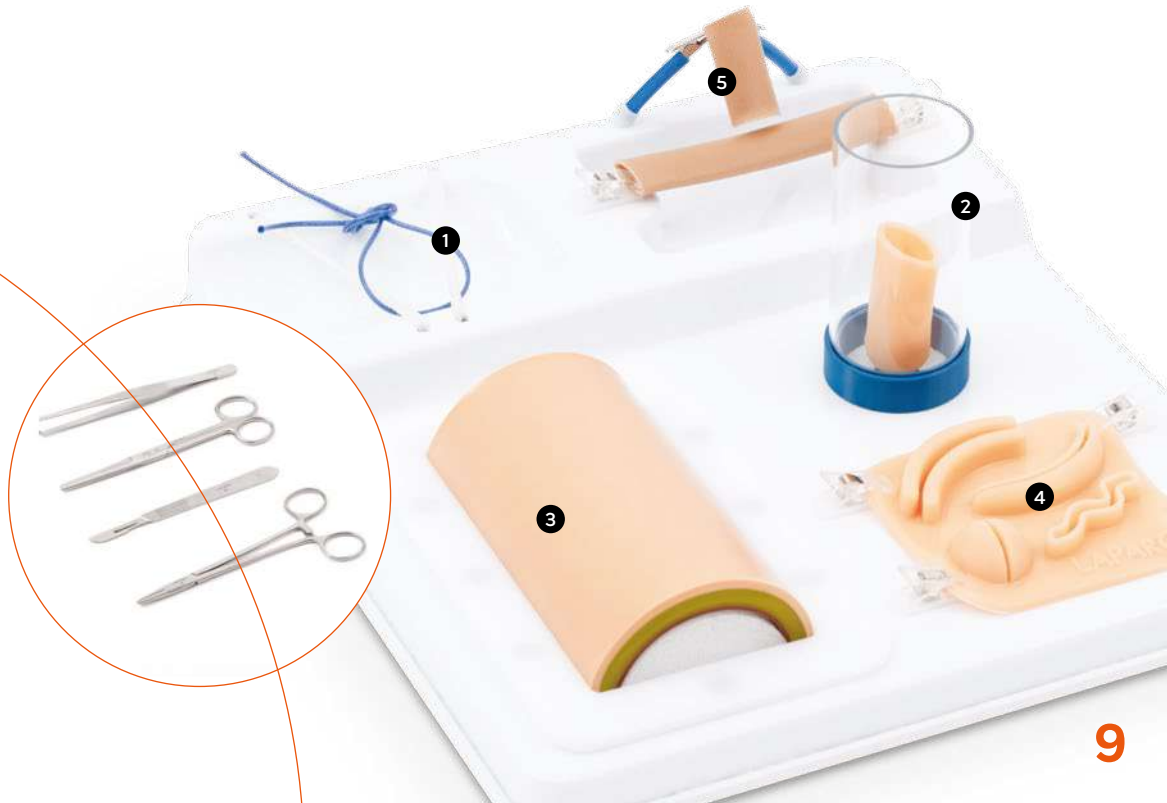
TRAINING MODULES

1. Basic knots and knots under tension
2. Knots and sutures in limited field of vision
3. Suturing module consisting of multi-layer artificial skin
4. Suturing floppy tissues of varying structure, firmness and thicknes
5. Set of 3 exercises to practice anastomosis

SET CONTAINS

- 5 training modules allowing for 7 exercises
- 3 universal pads imitating delicate tissues for suturing and anastomosis training
- 4 surgery training instruments: Needle Holder, Scalpel, Scissors, Tweezer
- additional accessories

EAN	Dimensions	Weight	Guarantee
5904024550006	10 x 31 x 35 cm	1,5 kg	2 years



ASPIRE

Laparoscopic Trainer - LAPARO Aspire

LAPARO Aspire enables the development of minimally invasive surgery skills for students and residents, as well as experienced doctors. The ASPIRE is light and easy to carry giving the ability to practice anytime and place you need.

CREATE YOUR OWN SET

DIFFICULTIES IN LAPAROSCOPY

- inverted fulcrum LEAD
- the lack of depth perception
- a limited line of sight
- the loss of control with the instruments
- lack of wrist degrees of freedom

ADVANTAGES

- 8 precisely designed 5mm instrument access points
- Adjustable camera holder allowing unassisted training
- 720p plug-and-play USB camera 0° angle
- LED lighting
- Unique LAPARO training environment (possibility of recording and saving training sessions)
- Replaceable training modules with magnetic attachment

ALL ASPIRE SETS INCLUDE

- LAPARO Aspire simulator with build-in HD 0° and LED lighting
- Instruments and training modules
- Access to Laparo Academy - our online platform with a complete laparoscopic training program
- User Manual
- 2 year Worldwide Guarantee



See how easy it is!

QUICK START

1. Visit academy.laparosimulators.com and create a free account
2. Connect the USB cables to the computer
3. Start your first training :)

„EXCELLENCE
is an Art won by training
and habituation.

We are what we
repeatedly DO.
Excellence then is not an
Act, but a HABIT.”

Aristotle

ASPIRE ESSENTIAL

With this set you will complete first Basic Skills course

- 2 training-purpose laparoscopic instruments
  - dissector
  - grasper
- 2 training modules
  - 14 unique exercises
  - training module - Dexterity
  - training module - Tension

EAN	Dimensions	Weight
5904024550266	19 x 36 x 37 cm	3,3 kg



ASPIRE STANDARD

With this set you will complete Basic Skills, Basic and Advanced Suturing course

- 4 training-purpose laparoscopic instruments
  - dissector
  - grasper
  - scissors
  - needle holder
- 24 x Suturing kit
  - needle and thread
- 4 training modules
  - 37 unique exercises
  - training module - Dexterity
  - training module - Tension
  - training module - Suturing
  - universal holder
    + cutting circles (5 pads)

EAN	Dimensions	Weight
5904024550273	19 x 36 x 37 cm	4,6 kg



ASPIRE MASTER

With this set you will complete all 4 courses

- 5 training-purpose laparoscopic instruments
  - dissector
  - grasper
  - scissors
  - needle holder
  - clip applier
- 24 x Suturing kit
  - needle and thread
- 2 x Package of 5 mm clips
- 5 training modules
  - 46 unique exercises
  - training module - Dexterity
  - training module - Tension
  - training module - Suturing
  - training module - Dissection 3 in 1
  - universal holder
    + cutting circles (5 pads)

EAN	Dimensions	Weight
5904024550280	19 x 36 x 37 cm	5 kg










ASPIRE ESSENTIAL	ASPIRE STANDARD	ASPIRE MASTER	ADVANCE EXPERT	ADVANCE MODULES	ADVANCE EXPERT PLUS
TRAINING MODULES					
2 training modules: - Dexterity - Tension	**4 training modules:** - Dexterity - Tension - Suturing - Universal Holder + Cutting Circles	**5 training modules:** - Dexterity - Tension - Suturing - Universal Holder + Cutting Circles - Dissection 3 in 1	**5 training modules:** - Dexterity - Tension - Suturing - Universal Holder + Cutting Circles - Dissection 3 in 1	**5 training modules:** - Dexterity - Tension - Suturing - Universal Holder + Cutting Circles - Dissection 3 in 1	**11 training modules:** - Dexterity - Tension - Suturing - Universal Holder + Cutting Circles - Dissection 3 in 1 - General Surgery Set - Gynecology set - Prostatectomy
INSTRUMENTS					
2 instruments: - Dissector - Grasper	**4 instruments:** - Dissector - Grasper - Scissors - Needle holder	**5 instruments:** - Dissector - Grasper - Scissors - Needle holder - Clip applicator	**5 instruments:** - dissector - grasper - scissors - needle holder - clip applicator	-	**5 instruments:** - Dissector - Grasper - Scissors - Needle holder - Clip applicator
LAPARO TRAINING PROGRAM - COURSES INCLUDED					
1 course: - Basic Skills	**3 courses:** - Basic Skills - Basic Suturing - Advanced Suturing	**4 courses:** - Basic Skills - Basic Suturing - Intermediate - Advanced Suturing	**4 courses:** - Basic Skills - Basic Suturing - Intermediate - Advanced Suturing	**4 courses:** - Basic Skills - Basic Suturing - Intermediate - Advanced Suturing	**4 courses:** - Basic Skills - Basic Suturing - Intermediate - Advanced Suturing

ASPIRE VS ADVANCE

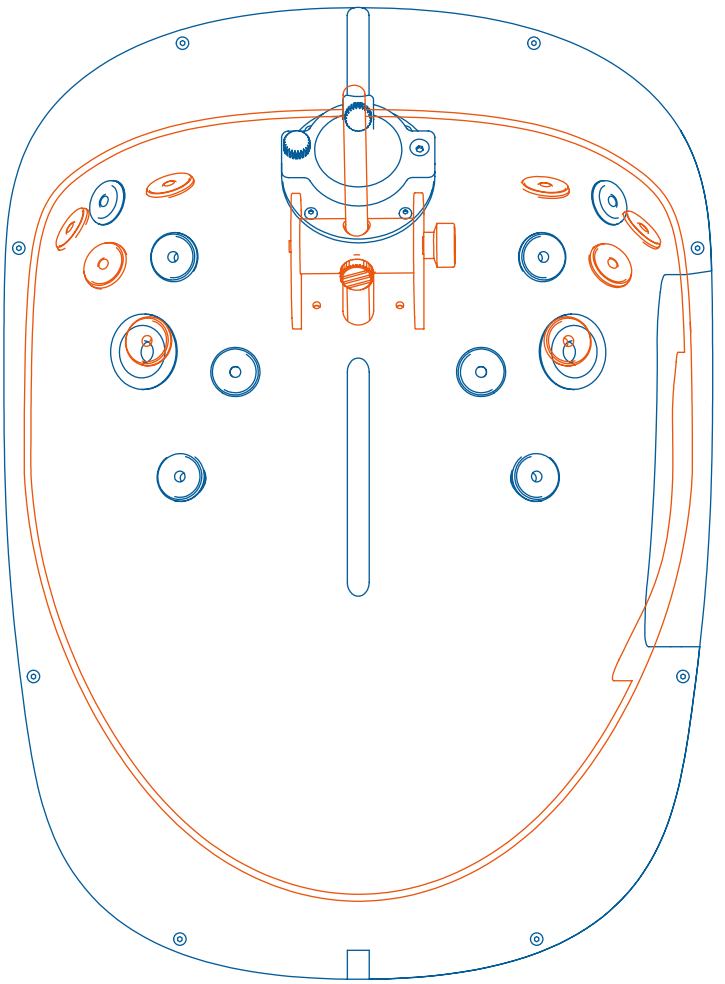
RESOLUTION
1280 x 720 HD

ANGLE
0°

MOVEMENT
up and down, in and out, possibility of locking

WEIGHT
1 kg

ADDITIONAL SPECIALTIES
No



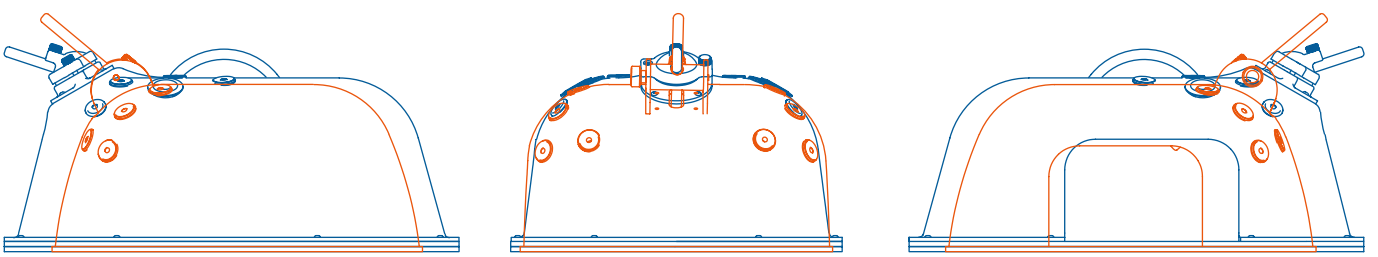
RESOLUTION
1920 x 1080 Full HD

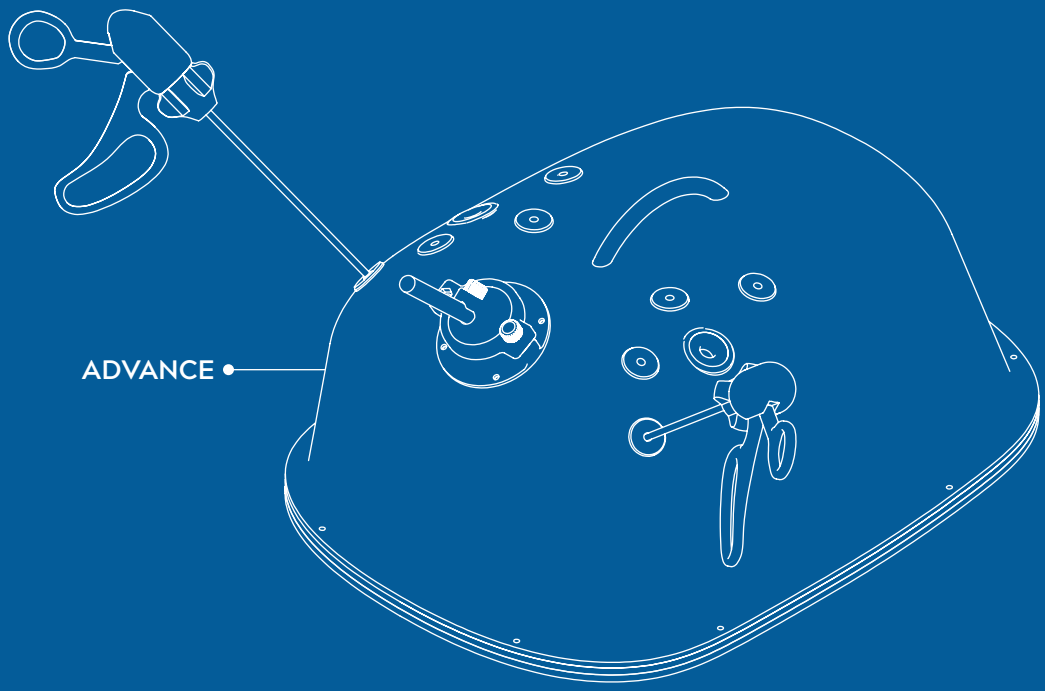
ANGLE
30°

MOVEMENT
full range of motion in any direction, possibility of locking

WEIGHT
3 kg

ADDITIONAL SPECIALTIES
gynecological – yes
urological – yes
general surgery – yes

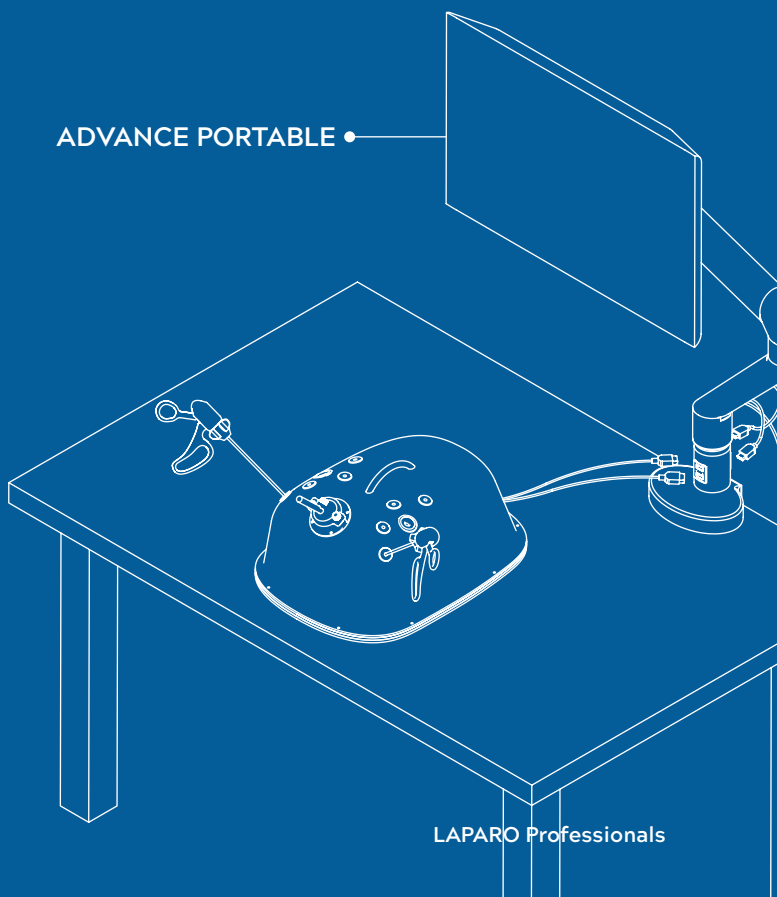




ADVANCE SERIES

Laparoscopy Simulators
Tailored to your needs





ADVANCE

Laparoscopic Simulator - LAPARO Advance

LAPARO Advance is the highest class of personal laparoscopy trainers. The device is portable, yields an incredible build durability and design quality. The full HD camera which can be rotated and adjusted allows to practice at all configurations.

CREATE YOUR OWN SET

FEATURES

- full HD 30° camera with adjustable ball joint
- possibility of locking the camera in a given position
- 8 x Ø5 and 2 x Ø10 tool slots
- LED lighting for optimal illumination of the operating field
- compatible with all LAPARO training modules
- allows to track and record training
- a special solid casing designed for many hours of training
- convenient in transport
- no subscription

ALL ADVANCE SETS INCLUDE

- LAPARO Advance simulator with build-in camera and LED lighting
- instruments and training modules
- access to Laparo Academy - our online platform with a complete laparoscopic training program
- suturing kit - needle and a thread x 24
- user manual
- 2 year Worldwide Guarantee



LAPARO PROFESSIONAL LINE
– WITHOUT ASSESSMENT





PARAMETER	LAPARO ADVANCE
Camera	30° - Full HD 1080p
Camera - movement	Freely adjustable ball-joint camera - movable in any direction
Camera - locking	YES
Number of Instrument ports	8 x Ø5 mm, 2 x Ø10 mm
Training instruments	Depends on the set
Training modules	Depends on the set
Training program	YES almost 50 unique exercises which provide diversity and many hours of training
Training software	Access to Laparo Academy - an online educational platform which enables recording training videos
Computer	-
Training station	-
Device size	~ 22 x 33 x 45 cm
Device weight	6 kg
EAN	-





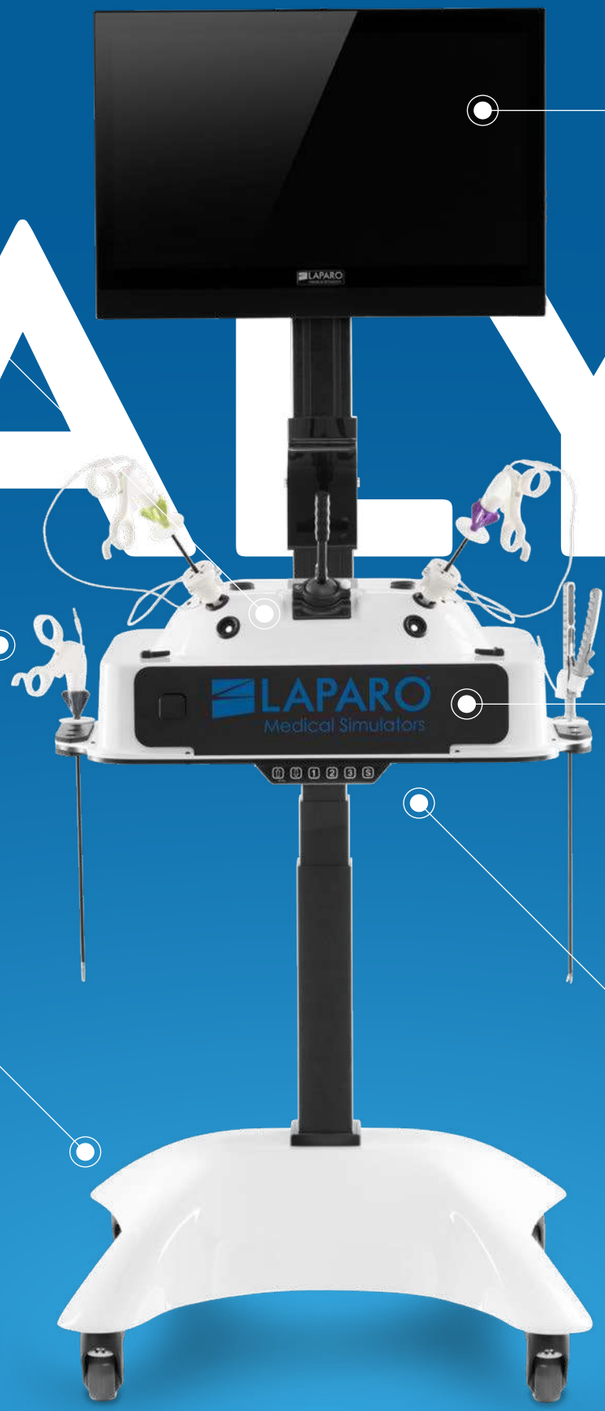
LAPARO ADVANCE Portable	LAPARO ADVANCE Training Station
30° - Full HD 1080p	30° - Full HD 1080p
Freely adjustable ball-joint camera - movable in any direction	Freely adjustable ball-joint camera - movable in any direction
YES	YES
8 x Ø5 mm, 2 x Ø10 mm	8 x Ø5 mm, 2 x Ø10 mm
5 pcs. Ø5mm: Needle Holder, Grasper, Dissector, Scissors, Clip Applier	**5 pcs. Ø5mm:** Needle Holder, Grasper, Dissector, Scissors, Clip Applier
5 pcs.: Dexterity, Tension, Dissection 3in1, Suturing, Universal Holder + Cutting Circles (5 pads)	**5 pcs.:** Dexterity, Tension, Dissection 3in1, Suturing, Universal Holder + Cutting Circles (5 pads)
YES almost 50 unique exercises which provide diversity and many hours of training	YES almost 50 unique exercises which provide diversity and many hours of training
Installed application that allows you to record and play back training sessions; possibility of networking group, sharing the screen from the teacher's position to other simulators (Mentor Desktop Server required)	Installed application that allows you to record and play back training sessions; possibility of networking group, sharing the screen from the teacher's position to other simulators (Mentor Desktop Server required)
All in One, with touch screen ⩾23	All in One, with touch screen ⩾23"
YES manually adjustable computer mount	YES manually adjustable computer mount and table height
~ 44 x 31 x 70 cm	~ 176 x 90 x 70 cm
18,5 kg	38 kg
5904024551225	5904024551249

Analytic

Full HD Camera with LED lighting and ball-joint camera holder, adjustable angle 0° and 30°

All-in-One Computer with a touch screen

ANALYTIC



Real instruments with integrated precise sensors

Easy access to the operating area through the top and front

Stabile wheels with blockade

Electric Height Adjustment

A technologically advanced simulator for the most demanding instructors and trainees. An original patented system of sensors along with an advanced algorithm for objective assessment used in the ANALYTIC help improve training quality. Analysis is active and helps both in real-time training and after. The ANALYTIC also provides an innovative training methodology. An individual user account protected by password for every user allows saving all training sessions and the results. With the learning curve, both the student and instructor can monitor learning effectiveness based on specific parameters. The entire workstation is paired with the Laparo Training Program, along with which it forms a comprehensive device for effective training.

PATENTED

100% MADE IN EU

QUALITY GUARANTEED

EAN	Dimensions	Weight	Guarantee
5904024552062	154-187 x 66 x 77 cm	57,5 kg	2 years



ANALYTIC

The system of objective evaluation for training is based on sensors and analysis of the image from the camera and it is capable of verifying skill improvement on an ongoing basis. Every training session is paired with a debrief score result screen which helps trainees identify the bad habits and allows them to constantly improve their skills.

PATENTED

LAPARO ANALYTIC	
Main purpose	Real training
Camera	Full HD 1080p 0°, 30° - manually adjustable Led lighting
Camera - movement	360° movement
Camera - locking	YES - ball joint
Number of Instrument Slots	8 anatomical slots for tools
Training Instruments	5 pcs. Ø5mm: Real Clinical Instruments needle holder, grasper, dissector, scissors, clip applier
Training Modules	A set of 5 training modules to complete the entire Training Program
Computer	23,8" touchscreen
Ergonomics	Electrically adjustable height of training station
Automatic assessment with real time analysi	YES
Multi-work (network)	YES
Learning curve tracking	YES
Custom training creator with tutorials	YES
Possibility of data export	YES

1 Training Time

- Every training scenario has a custom training time
- The user should attempt to complete the procedure inside the operating time

2 Economy of movement

- Distance travelled - the total distance travelled by the tips of the tools used in the training
- Hand oscillation and clamp speed - the total number of openings and closures of tool tips

3 Smoothness

- Acceleration - reflects sudden movements which show a strong increase in speed. Such movements are seen as dangerous during minimally invasive procedures
- Jolt - shows sudden movements which the trainee is not directly responsible for. These are the sudden movements such as instruments hitting each other, instruments hitting tissue or sudden releases of a suture under tension
- Hand Shake - monitors the shaking of the hands, differentiating this kind of movement from others and reducing a score accordingly
- Clamp Speed - is counting units of time an instrument goes from fully open to fully closed or vice versa

4 Activity

- Based on data measuring instrument speed during training; both instrument overactivity as well as inactivity is analyzed

5 Visibility

- The system is capable of recognizing instrument visibility independently for each instrument. This parameter is recorded when instrument movements and clamps happen outside of visibility.

6 Symmetry

- The system measures the movements of the left and right instrument independently using computer vision and sensor information. These two readings are compared along with clamp speed

MENTOR DESKTOP SERVER

NETWORKING

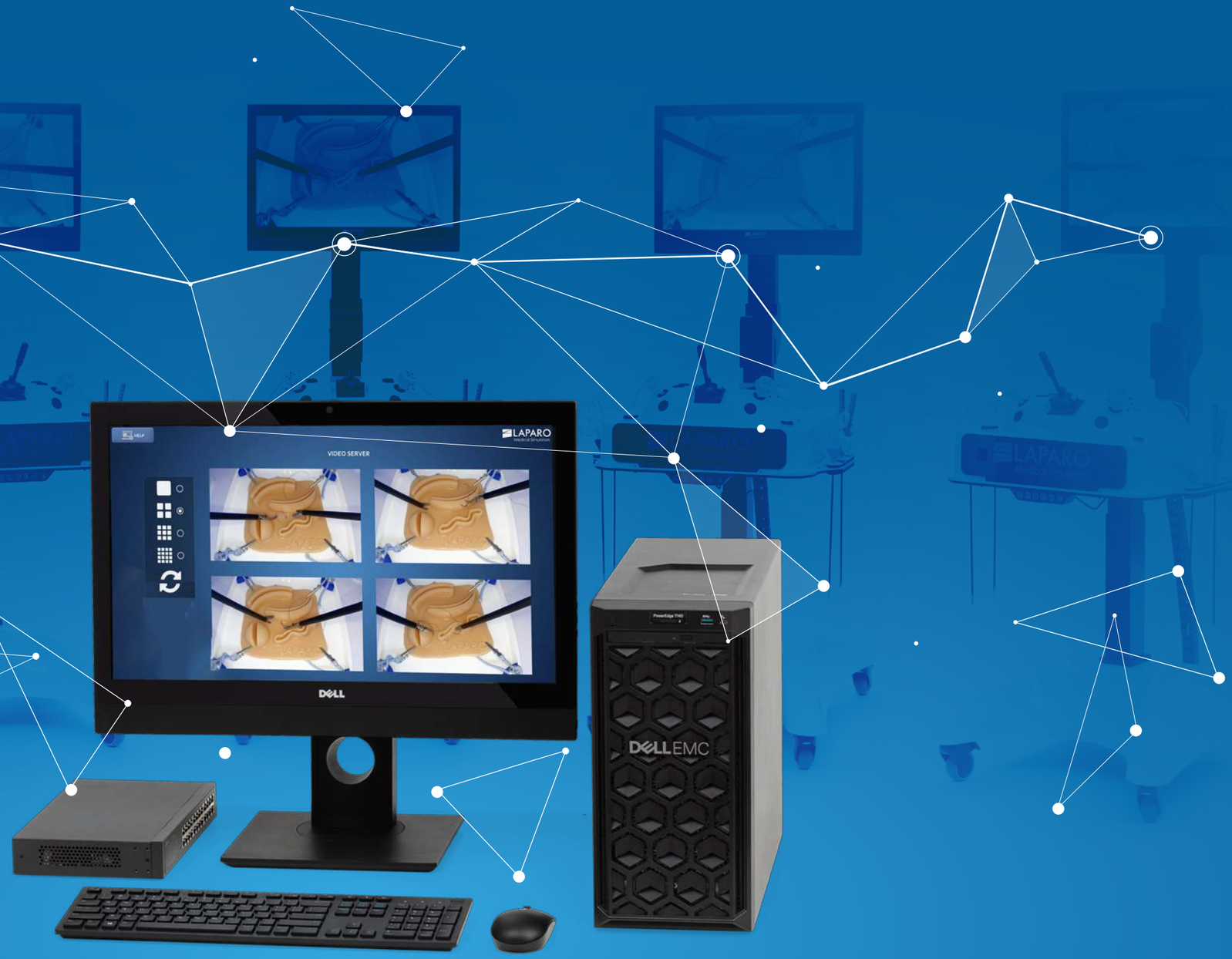
Laparo Advance, Analytic and Apex all feature networking functionality. Thanks to this it is possible to facilitate group workshops. The Mentor Desktop Station allows the simultaneous supervision of many trainees. An instructor may also stream their own screen to all other workstations.

Mentor Desktop Server allows you to locally connect an unlimited number of simulators to share a common database. Convenient user account management gives the ability to access to each station/account in the network with dedicated credentials. In addition, the leader can remotely view the current training session and get access to the training history of each user. Live Streaming allows you to transfer the image from one station to other connected to the MDS as picture-in-picture.

SET CONTAINS

- All-in-One computer with a touch screen - 23,8 inches
- server
- switch
- dedicated software

Product	EAN	Dimensions	Weight	Guarantee
Computer	5904024557029	55 x 58 x 23 cm	8,4 kg	2 years
Server		43 x 36 x 18 cm	12 kg	2 years



LAPARO®

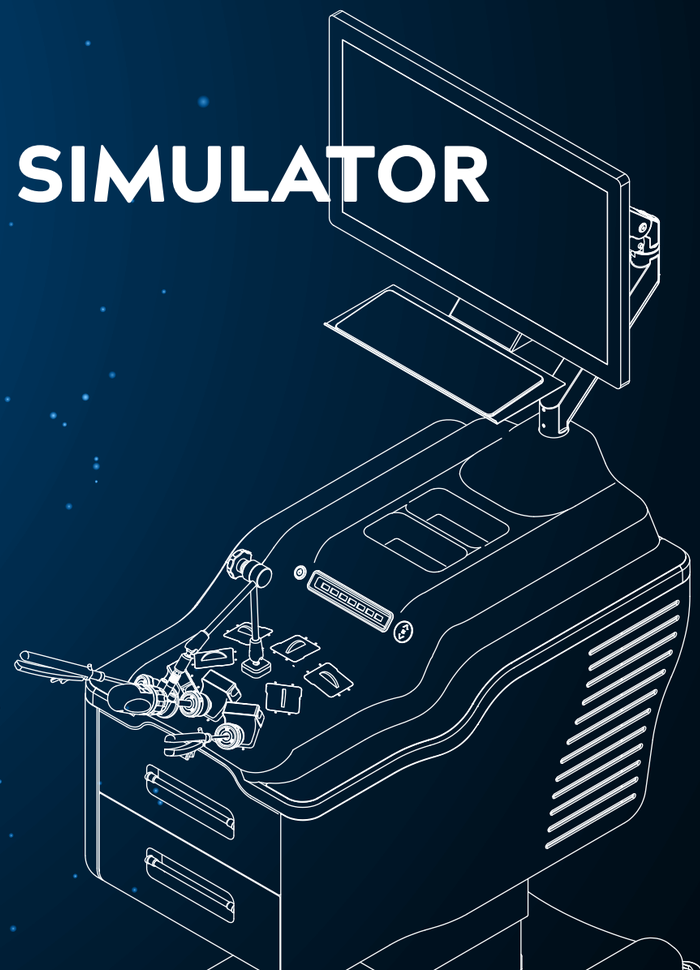
— Medical Simulators

laparosimulators.com

TWO WORLDS



ONE SIMULATOR



APEX

This hybrid solution from LAPARO was created by combining the knowledge and experience of professionals and engineers with the use of the state-of-the art technologies. The hybrid simulator is an innovative solution on a global scale. It combines virtual reality with physical skills training. Despite its complexity, the trainer offers extremely simple and intuitive manual skills and procedures training, a wide selection of training modules, scenarios for conducting training in virtual reality and a number of tutorials that guide the user step by step like a personal trainer.

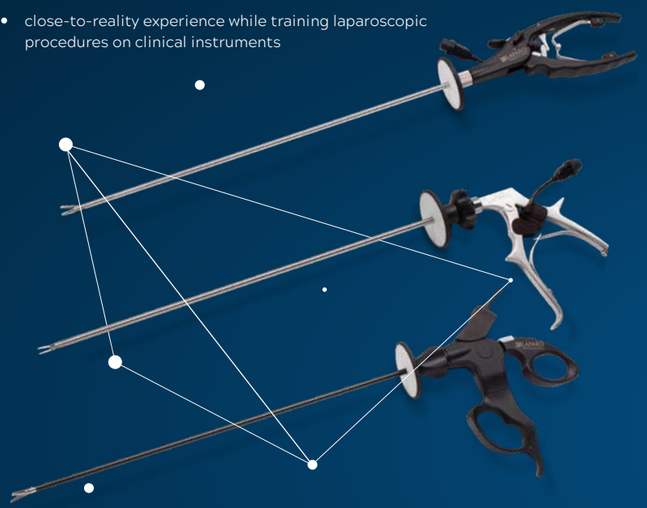
This is an immersive training in a virtual environment with a real-world feel.

① Next-generation Virtual Reality

- unmatched realism for enhanced training experience
- high fidelity graphics
- cutting edge technologies of Virtual Reality
- ability to practice procedures
- real instruments with advanced sensors
- focus on safety of operations
- possibility to learn electrosurgery safely

② Real instruments

- training in virtual reality conditions and on physical modules is performed on real clinical instruments with motion sensors
- close-to-reality experience while training laparoscopic procedures on clinical instruments





Boost training effectiveness

③ Training of manual instrument skills on physical modules

- a wide range of training modules at various levels of advancement (procedures, manual exercises)
- comprehensive sewing training (from basic activities to making a sliding knot or anastomosis)
- anatomical procedural modules developed in cooperation with academic staff and practicing surgeons



④ Laparoscopy training system with full analysis

- proficiency-based laparoscopic training
- highest measuring precision
- analysis of 13 parameters simultaneously incl.: time, smoothness and economy of movement, instrument activity & visibility, hand symmetry
- additional advanced monitoring of errors during training procedures made in virtual reality
- debriefing view to see errors presented on the timeline
- learning curve analysis



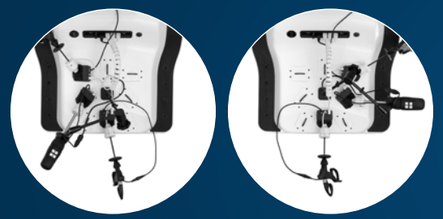
Real-world **feel training**

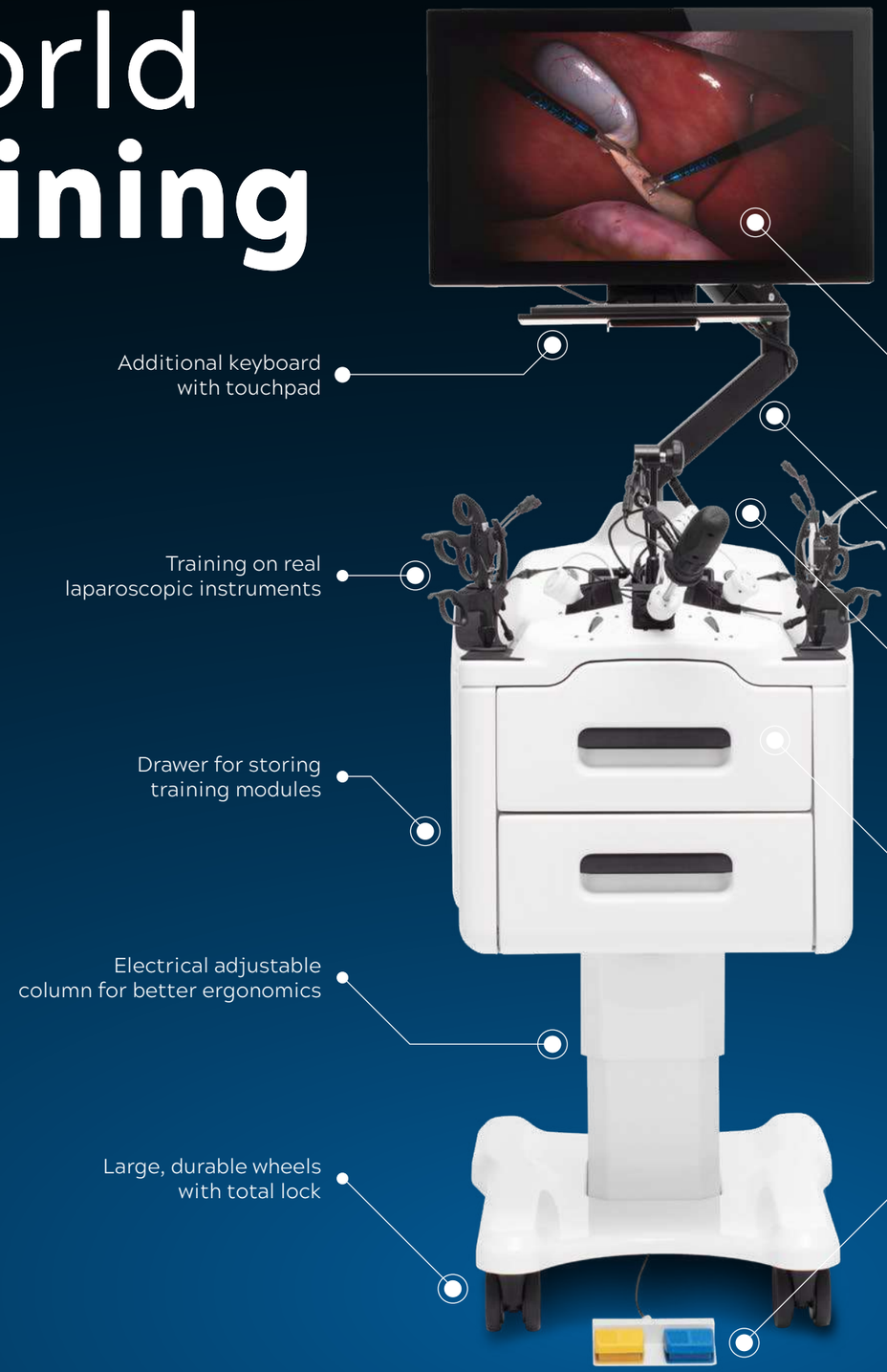
⑤ Patent pending

- cutting-edge technology for measuring parameters of motion sensors and camera
- unique camera with adjustable angle and focus
- system of automatic setting of training modules selected for particular training
- laparoscopy training system

⑥ Adjustable camera

- possibility of shifting the camera and placing it in 1 of 8 ports with a Magic Arm
- electronic adjustable viewing angle 0°, 30°, 45°
- focus Ring with electronically adjustable brightness
- precise fixation in a given position
- possibility to work with an assistant without the use of fixation
- Full HD camera resolution
- zoom





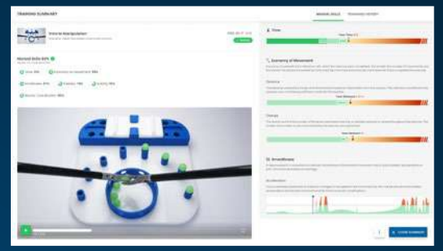
ALL-IN-ONE **APEX**

⑦ Networking

- sharing views between stations (Mentor Mode)
- preview of exercises real-time on all stations
- access to user account from any device in the network
- protection against data loss

⑧ Cutting edge Software

- admin and User accounts with saving class results feature
- possibility to create your own training scenarios along with setting assessment parameters
- pre-training tutorials
- history of training sessions with advanced filtration
- ability to export data - especially useful for scientific research
- user-friendly interface



PARAMETERS	
Device size	170-195 cm x 123 cm x 66 cm
Device weight	90 kg
Guarantee	2 years
EAN	5904024553007

APEX vs APEX PRO





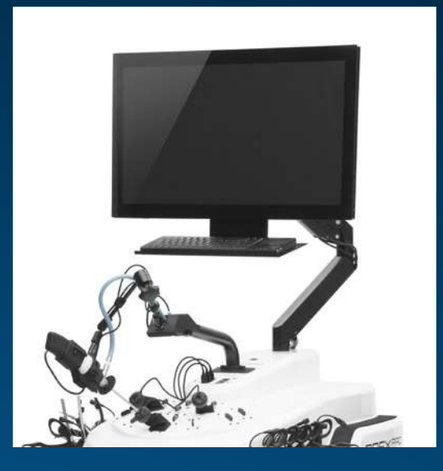
	LAPARO APEX	LAPARO APEX PRO
Manual Skills Training	YES - real-module training	YES - real-module training
General Surgery Training	YES - real-module + VR training	YES - real-module + VR training
Pediatric Surgery Training	NO	YES - real-module + VR training
VR training	3 VR procedures are included in standard configuration	3 VR procedures are included in standard configuration
Physical Training on modules	Basic and advanced manual skills Basic and advanced suturing Procedural training: Appendectomy, Cholecystectomy, Gynecology, Prostatectomy	Basic and advanced manual skills Basic and advanced suturing Procedural training: Appendectomy, Cholecystectomy, Gynecology, Prostatectomy Procedural pediatric training - Pyloromyotomy, Pyeloplasty, Thoracoscopic repair of esophageal atresia
Reduced working area for pediatric use with 4,25 cm distance between trocars	NO	YES
Laparoscope	Full size simulated laparoscope with electronically adjustable camera	2 real laparoscopes - 0° and 30°
Real endoscope light source	NO	YES, optical fibre connected to laparoscope, LED light source
"Possibility to rotate the optics relative to camera"	NO	YES
Possibility to work with camera assistant	YES	YES - assist uses the camera as during a surgical procedure (optics rotation function relative to the camera)
Trocars	Dedicated separately to camera and instruments	Universal, camera and instruments use the same trocars
Ports	8	15
Real clinical instruments with embedded sensors	YES - Ø 5mm	YES - Ø 5mm, Ø 3mm
Available training modules	11 pcs. Universal Holder + Cutting Circles · Dexterity · Tension · Suturing · Dissection 3in1 · Cholecystectomy · Appendectomy · Prostatectomy · Ovarian Cyst Removal · Myomectomy · Vaginal Cuff Repair	14 pcs. Universal Holder + Cutting Circles · Dexterity · Tension · Suturing · Dissection 3in1 · Cholecystectomy · Appendectomy · Prostatectomy · Ovarian Cyst Removal · Myomectomy · Vaginal Cuff Repair · Pediatric Pyloromyotomy · Pediatric Pyeloplasty · Thoracoscopic repair of esophageal atresia
2 button footswitch for electrosurgery	YES	YES
Monitor	27" touchscreen with movable arm and additional keyboard	27" touchscreen with movable arm and additional keyboard
Wheels with blockade	YES	YES
Training analysis	YES - Manual and VR	YES - Manual and VR
Automatic assessment	YES	YES
Real time analysis	YES	YES
Multi-work (network)	YES	YES
Learning curve tracking	YES	YES
Custom training creator with tutorials	YES	YES
Possibility of data export	YES	YES
Device size	170-195 cm x 123 cm x 66 cm	166-216 cm x 125 cm x 62 cm
Device weight	90 kg	115 kg



APEX PRO PEDIATRIC

The future of **surgical training**

Laparo Apex PRO is the most advanced hybrid simulator for laparoscopic training, offering a unique combination of virtual reality and physical module training. It is the first laparoscopic simulator in the world that is dedicated also to training in pediatric surgery, providing a great opportunity for trainees to gain valuable experience and expertise in this challenging field. Ideal for medical institutions seeking to enhance their surgical training programs, Laparo Apex PRO is the ultimate solution for a superior surgical training experience.









Revolutionize your **laparoscopic training**

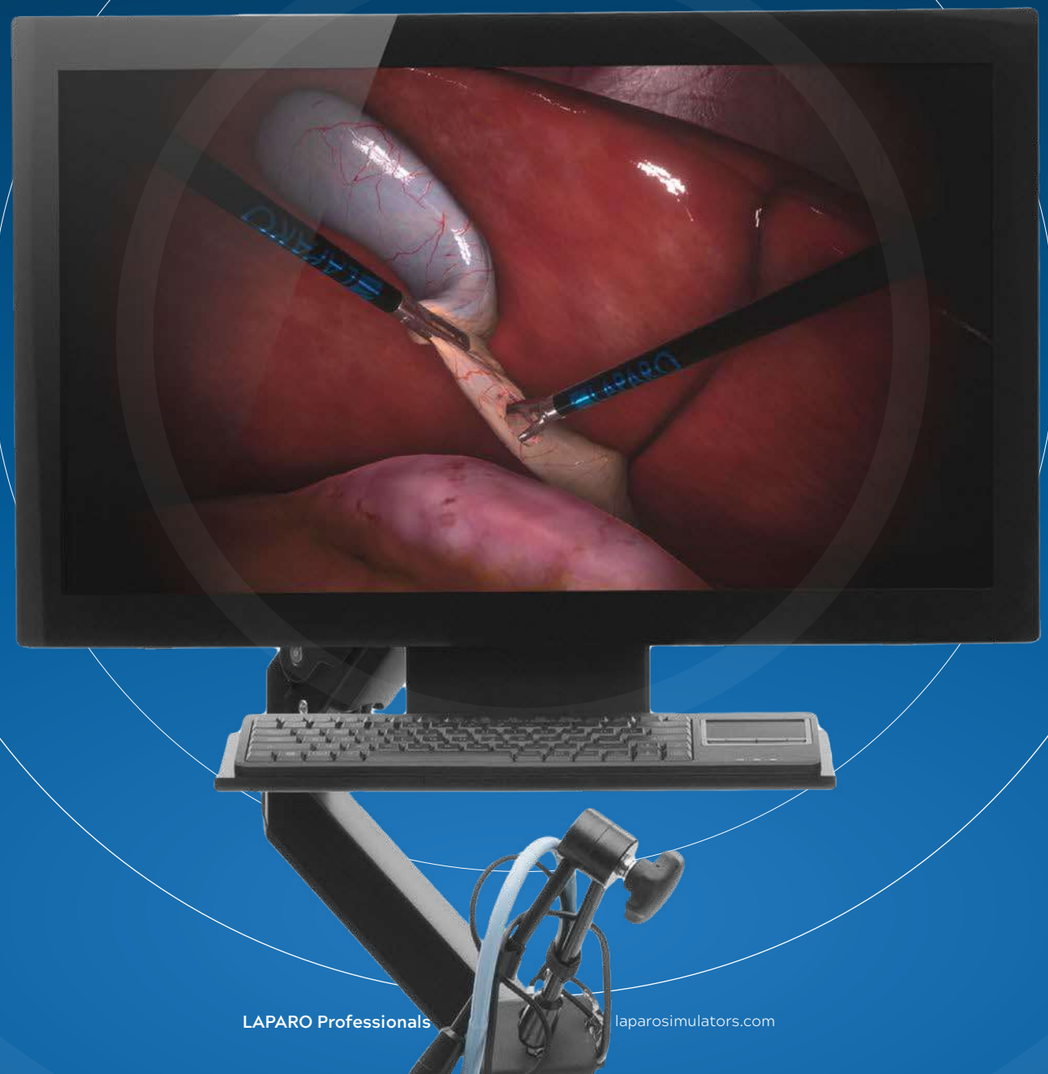
Achieve surgical excellence

- Complete training curriculum -from beginner manual skills to advanced procedures
- Realistic touch feedback between instruments in virtual reality
- Custom training creator
- No subscription fees and lifelong software support
- Real-time feedback during simulations, allowing trainees to adjust and improve their skills on the spot



2-in-1 training

Laparo Apex PRO offers both virtual reality and physical module-based training, providing a realistic surgical experience that closely mimics real-life operations.



Pediatric surgery

The only laparoscopic simulator on the market that offers dedicated pediatric surgery training modules, providing a comprehensive training solution of laparoscopic procedures on children.

- Pediatric training program (Virtual + Real)
- 3 pediatric ports with reduced distance of **4.5 cm**
- Trocars adapted to work also with 3 mm instruments
- **Set of pediatric instruments**
- 5 mm diameter real **pediatric laparoscope**



Experience the realistic **laparoscopic surgery training**



Real laparoscopes

Standard set includes two real laparoscopes 0° and 30°, providing a more realistic training experience.

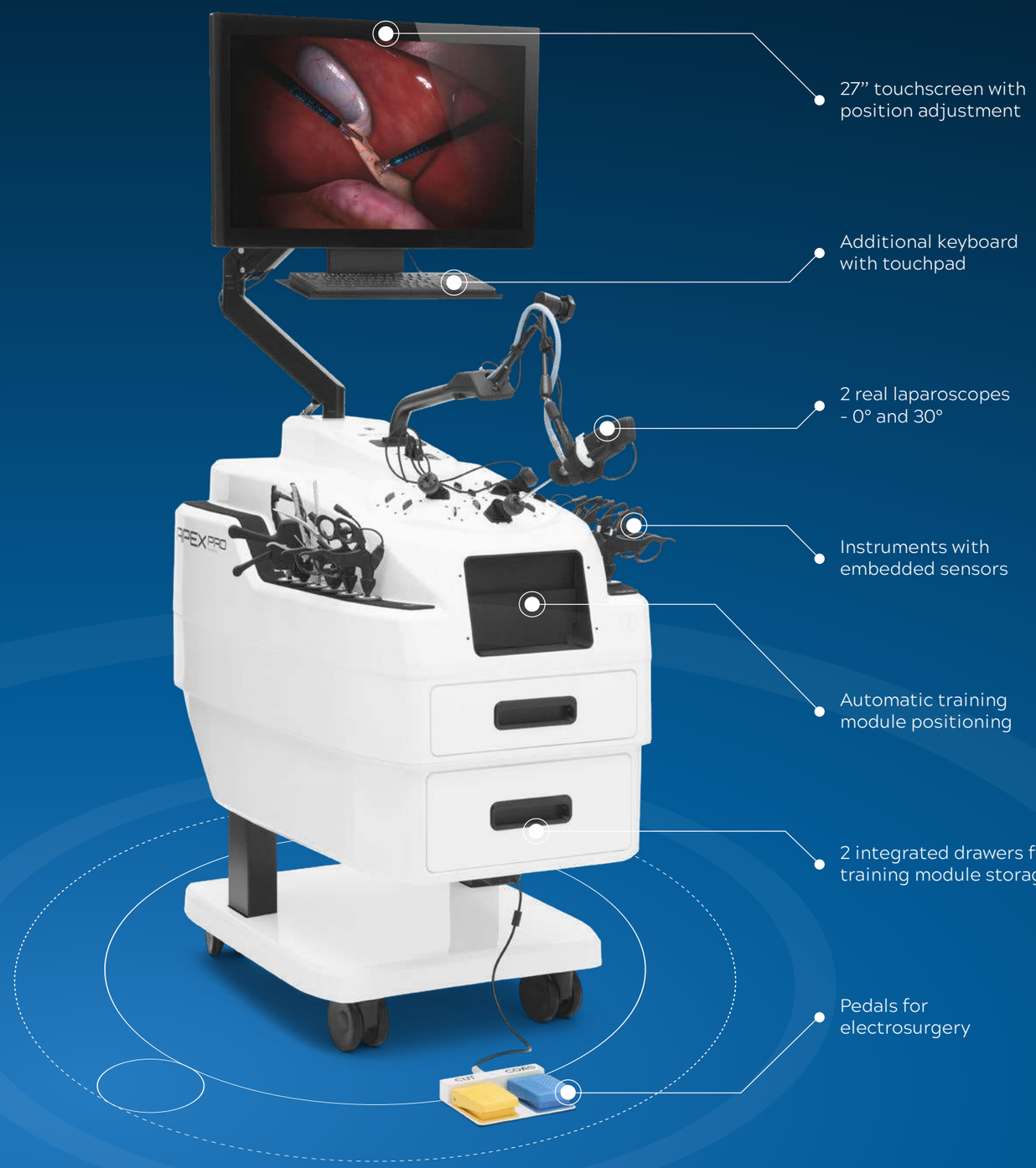


Real clinical instruments

Unlike other laparoscopic simulators that use artificial haptic feedback, Laparo Apex PRO uses real clinical instruments of 3 and 5 mm, providing a more realistic touch feedback between instruments in virtual reality.

Customization

Laparo Apex PRO can be tailored to specific training requirements, encompassing a broad range of general and pediatric surgical procedures. With wide range of training modules and virtual procedures, trainees can benefit from a comprehensive training experience that is aligned with their training objectives.



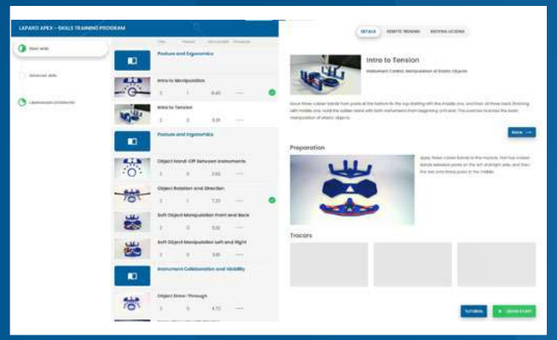


Achieve surgical **excellence**

PARAMETERS	
Device size	1166-216 cm x 125 cm x 62 cm
Device weight	115 kg
Guarantee	2 years
EAN	5904024553106

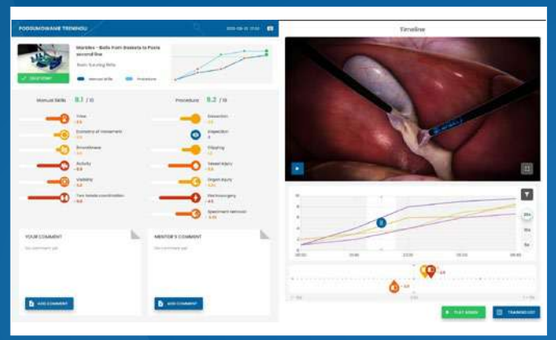
Comprehensive training curriculum

Complete training program, covering a wide range of laparoscopic procedures for both adults and pediatrics. This includes a Laparo Training Program that ranges from beginner manual skills to advanced procedures.



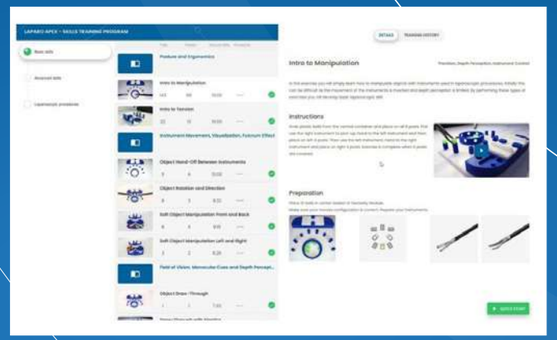
Real-time feedback

Real-time feedback during simulations allows improving their skills quickly. This feature is helpful for novice surgeons, who can learn from their mistakes and enhance their technique in a safe and controlled environment.



Custom training scenarios

Apex PRO offers a unique custom training feature, allowing users to record their own tutorials and set parameters to fit their specific teaching needs. This is an excellent option for teachers who want to create a personalized training experience for their trainees.



Lifelong software support and free application updates

Laparo offers lifelong software support and free application updates, providing access to the latest features without any subscription fees.



VIRTUAL PROCEDURES PORTFOLIO

VIRTUAL PROCEDURES



CHOLECYSTECTOMY



APPENDECTOMY



PROSTATECTOMY



HYSTERECTOMY



NEPHRECTOMY

PEDIATRIC VIRTUAL PROCEDURES



ESOPHAGEAL ATRESIA



PYELOPLASTY



PYLOROMYOTOMY

UNDER DEVELOPMENT

- Lobectomy
- Sigmoidectomy
- Hemicolectomy
- Splenectomy
- Gastric bypass
- Incisional Hernia
- Inguinal Hernia
- Nissen Fundoplication

LAPARO®
Medical Simulators



ACCESSORIES

PEDIATRICS.

1 **PYLOROMYOTOMY**

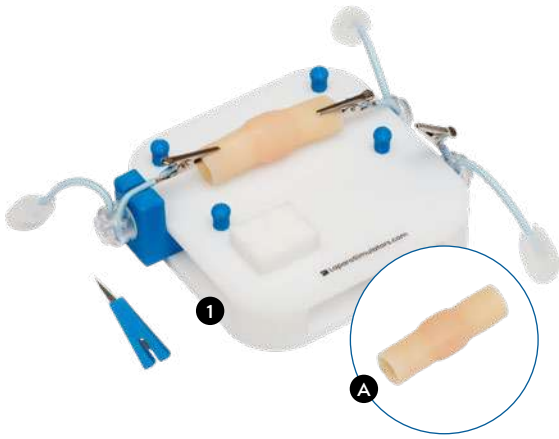
The Pyloromyotomy training module enables the practice of the surgical procedure involving the cutting of the pyloric muscle to widen its lumen. Designed for training in treating pyloric stenosis, the module provides a realistic replica of the gastric pylorus, including a two-layered muscularis and mucosa. It also simulates muscular hypertrophy, a common developmental anomaly.T he Pyloric knife is included as part of the module set.

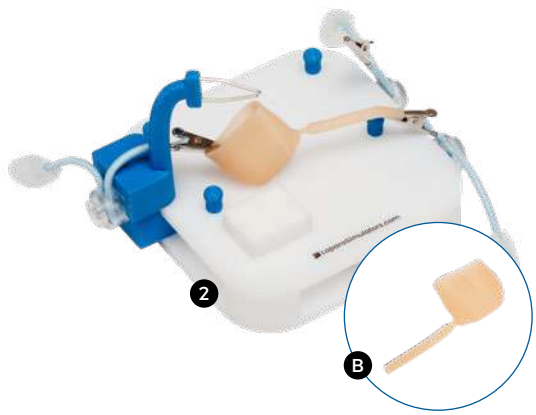
2 **PYELOPLASTY**

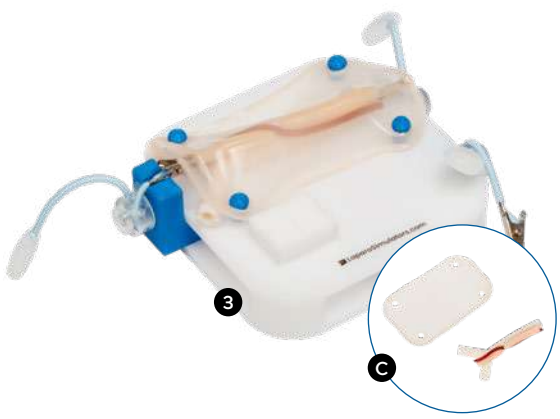
The Pyeloplasty training module offers a realistic simulation of excising the narrowed segment of the ureter and re-suturing it to the renal pelvis. This laparoscopic procedure is performed to treat hydronephrosis caused by narrowing at the junction of the ureter and renal pelvis. The silicone module accurately replicates the renal pelvis with hydronephrosis and includes a 5mm-long ureteral stenosis followed by a patent ureter, allowing trainees to practice the specific steps involved in the Pyeloplasty procedure.

3 **ESOPHAGEAL ATRESIA**

The Esophageal Atresia training module provides a realistic laparoscopic simulation of this condition in infants. It features a silicone model that accurately replicates the pediatric trachea, upper and lower esophagus, and includes a simulated azygos vein. The silicone material mimics the connective tissue that needs to be dissected to access the esophagus and trachea. Surgeons can practice closing the abnormal connection (fistula) between the esophagus and trachea and suturing the upper and lower parts of the esophagus together.







	Compatibility	EAN	Dimensions	Weight	Guarantee
1,2,3	APEX PRO SET	5904024555391	7 x 10 x 10 cm	0,8 kg	2 years
1	APEX PRO	5904024555360	7 x 10 x 10 cm	0,5 kg	2 years
2	APEX PRO	5904024555346	7 x 10 x 10 cm	0,4 kg	2 years
3	APEX PRO	5904024555353	7 x 10 x 10 cm	0,5 kg	2 years
A	Pyloromyotomy	n/a	1,5 x 6 x 1,5	0,2 kg	2 years
B	Pyeloplasty	n/a	1 x 7 x 2,5 cm	0,1 kg	2 years
C	Espoghael	n/a	1 x 6 x 10 cm	0,2 kg	2 years

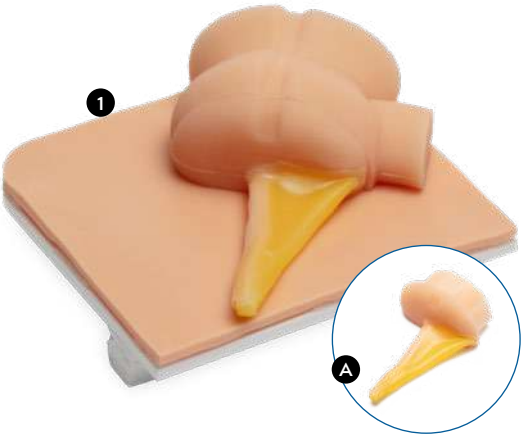
GENERAL SURGERY...

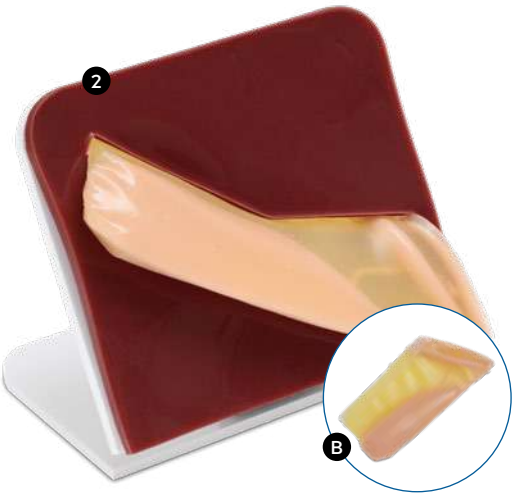
1 APPENDECTOMY

The Appendectomy training module enables simulation of the appendix removal procedure in the operating position suggested by doctors. It consists of a plastic base and anatomical elements made of various types of silicones. The module has been prepared to best reproduce the structure of a variety of human tissues. The element on which the procedure is performed is replaceable, and the method of mounting is simple and intuitive.

2 CHOLECYSTECTOMY

Cholecystectomy module allows to simulate the gallbladder removal procedure. It consists of a platform and silicone imitation of anatomical elements. Suggested treatment position - platform at an angle of 45° .The silicon element on which the procedure is performed is replaceable.Mounting the pad on the platform is simple and intuitive.





	Compatibility	EAN	Dimensions	Weight	Guarantee
1,2	ADVANCE/ANALYTIC	5904024556060	-	-	2 years
	APEX/APEX PRO	5904024555537	-	-	2 years
1	ADVANCE/ANALYTIC	5904024555230	8 x 13 x 15 cm	0,3 kg	2 years
	APEX/APEX PRO	5904024555483	8 x 13 x 15 cm	0,3 kg	2 years
A	n/a	5904024555728	-	-	2 years
2	ADVANCE/ANALYTIC	5904024555247	8 x 13 x 15 cm	0,3 kg	2 years
	APEX/APEX PRO	5904024555476	8 x 13 x 15 cm	0,3 kg	2 years
B	n/a	5904024555735	-	-	2 years



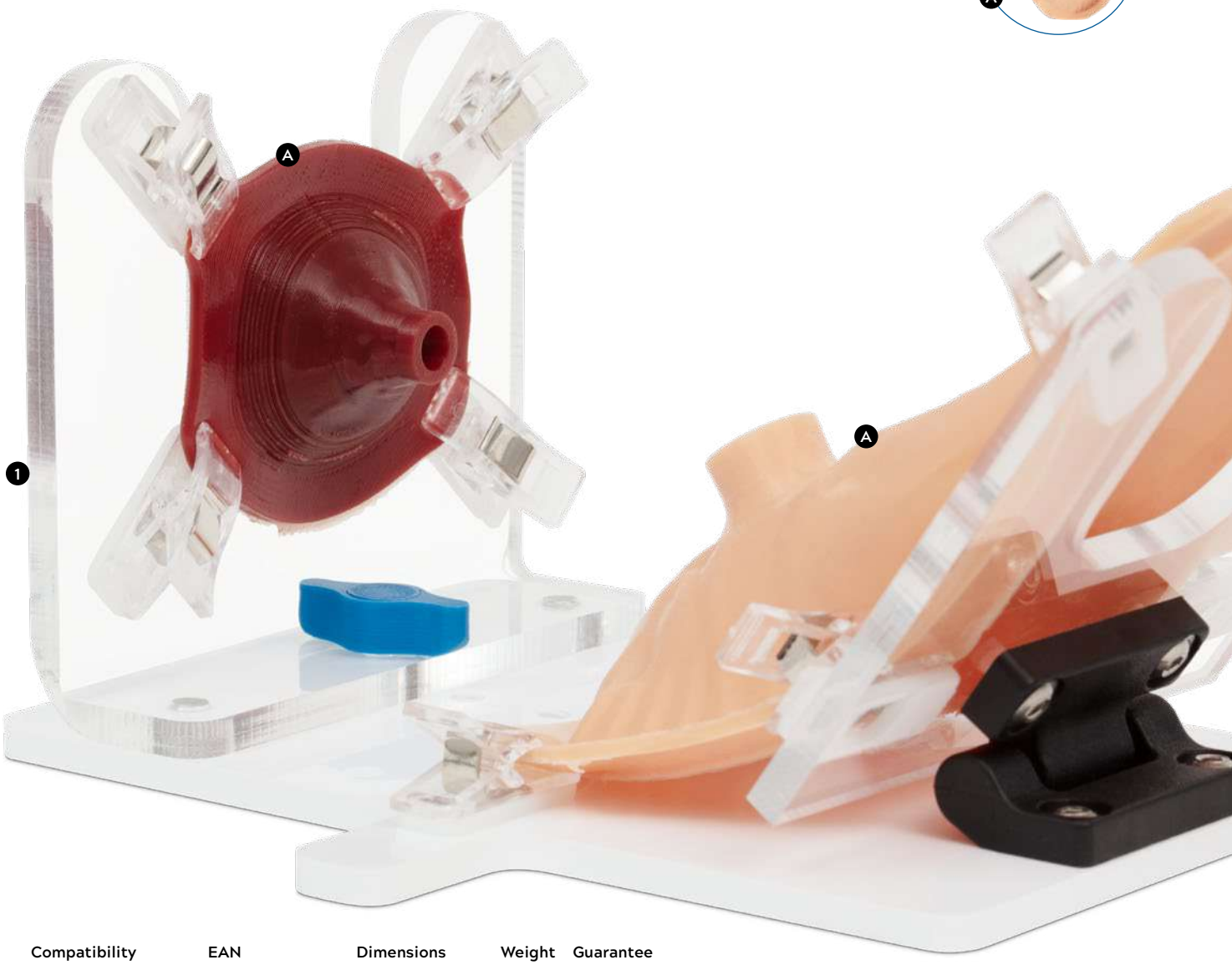
PROSTATECTOMY...

Module allows the simulation of the procedure in which the prostate gland much be removed and the urethra must be reconnected to the bladder. The module is made up of a magnetically attached base, walls which allow the change in angle and replaceable components - the urethra and the bladder.

These anatomic silicone modules were made to imitate real tissues. Furthermore the walls of the module can be readjusted and facilitate training in 3 different positions allowing for a training experience at different difficulty levels.

- What is practiced
  - prostatectomy training
  - suturing lessons
- Recommended instruments
  - 2 Needle Holders

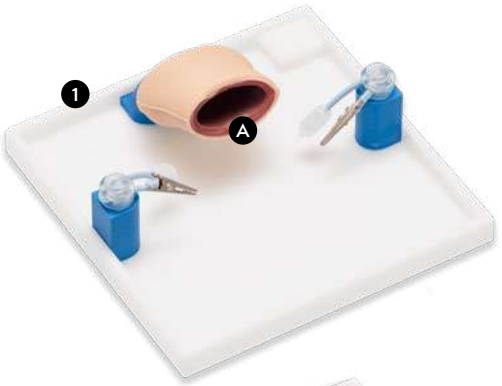




	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555155	10 x 15,5 x 22 cm	0,3 kg	2 years
	APEX/APEX PRO	5904024555469	10 x 15,5 x 22 cm	0,3 kg	2 years
A	n/a	5904024555742	-	-	2 years

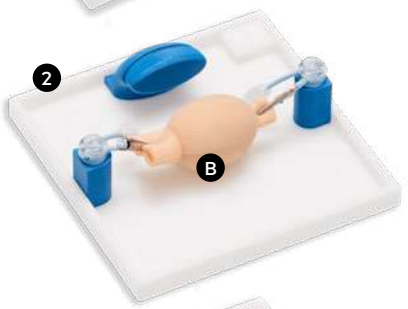
GYNECOLOGY

The set of training modules allows you to learn the most popular laparoscopic procedures in gynecology.



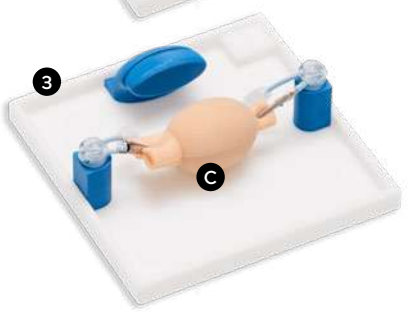
1 **The Vaginal Cuff Repair** module allows focusing on the suturing of the opening of the vaginal cuff that remains after the uterus is removed. This is a part of a total or radical hysterectomy procedure.

- Recommended instruments
  - Needle holder
  - Grasper
  - Scissors



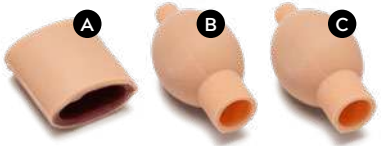
2 **Ovarian Cyst Removal** training module allows for training to perform the removal of a cyst which usually forms on one or both ovaries. The ovarian cyst is filled with fluid which must not be allowed to leak into the operating area.

- Recommended instruments
  - Dissector
  - Grasper
  - Scissors



3 **Ovarian Myoma Removal** training module allows to simulate removal of uterine fibroids, also called leiomyomas, which are common noncancerous growths that form in the uterus. The fibroid is covered with a surface layer that must be cut and opened for the fibroid to be exposed.

- Recommended instruments
  - Dissector
  - Grasper
  - Scissors



	Compatibility	EAN	Dimensions	Guarantee
1,2,3	ADVANCE/ANALYTIC	5904024556022	-	2 years
	APEX/APEX PRO	5904024555452	-	2 years
1	ADVANCE/ANALYTIC	5904024555278	16 x 16 x 8 cm	2 years
	APEX/APEX PRO	5904024555544	16 x 16 x 8 cm	2 years
2	ADVANCE/ANALYTIC	5904024555285	16 x 16 x 8 cm	2 years
	APEX/APEX PRO	5904024555551	16 x 16 x 8 cm	2 years
3	ADVANCE/ANALYTIC	5904024555292	16 x 16 x 8 cm	2 years
	APEX/APEX PRO	5904024555568	16 x 16 x 8 cm	2 years
A,B,C	n/a	5904024555629	-	2 years
A	n/a	5904024555766	2,5 x 4,5 x 5 cm	2 years
B	n/a	5904024555773	4,5 x 4,5 x 8 cm	2 years
C	n/a	5904024555780	4,5 x 4,5 x 8 cm	2 years

SHAPES/SUTURING

Module is made out of a special type of silicone which allows for the most realistic training. The diverse shapes will allow students and doctors training many different suturing techniques.

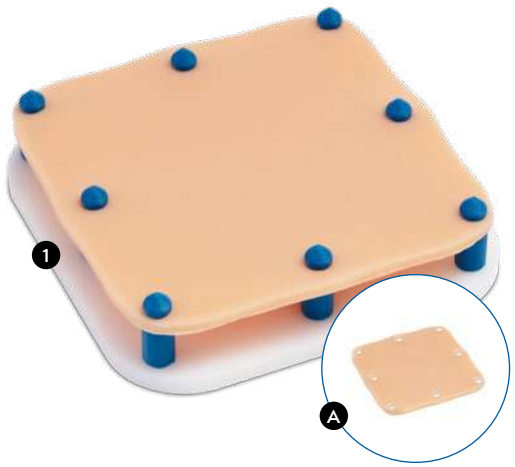


- What is practiced
  - sutures along and across
  - tightening knots
  - suturing at different depths
- Recommended instruments
  - Scissors
  - Needle Holder

EAN	Dimensions	Weight	Guarantee
5904024555681	1,5 x 10 x 10 cm	0,1 kg	2 years

CUTTING/SUTURING ...

This realistic suture module imitates artificial tissues, allowing you to practice surgical suturing during minimally invasive surgery. It consists of a single, flat pad made of a flexible material which is attached to the base with plastic pins. Special magnets at the base of the module help to fix it in the simulator during training.



- What is practiced
  - cutting of tight tissues
  - placing various types of sutures
  - proper selection and tightening of knots
- Recommended instruments
  - Scissors
  - Needle Holder

	EAN	Dimensions	Weight	Guarantee
1	5904024555056	3 x 10 x 10 cm	0,1 kg	2 years
A	5904024555698	0,5 x 10 x 10 cm	0,05 kg	2 years

SUTURING ....o

The Suturing training module allows training suturing at many different levels of difficulty. It is made up of two levels:

1) The Basic Level. This level is used for the most basic suturing exercises. It is made up of a base and silicone components which attach with strong velcro strips

2) The Advanced Level. This component attaches on top and increases the difficulty level, allowing advanced suturing exercises in limited access

The set also includes many additional silicone components - covers, tubes for anastomosis and others as well as a set for suturing - needles and sutures (12 pcs.)



- What is practiced

  Basic Level:
  - learning knots
  - continuous suturing

  Advanced Level:
  - work in a limited operational field
  - suturing under tension
  - collaboration between instruments
- Recommended instruments
  - Dissector and Needle Holder or 2 Needle Holders

	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555254	5 x 10 x 10 cm	0,1 kg	2 years
	APEX/APEX PRO	5904024555438	5 x 10 x 10 cm	0,1 kg	2 years
A	n/a	5904024555759	-	-	2 years

DISSECTION 3 IN 1

Dissection Training Module allows for 3 different types of training:

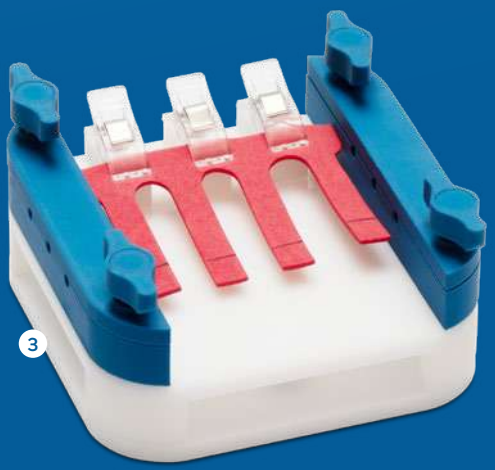
1. **Dissection Module**
   a) Vessel dissection module is a disposable, replaceable pad that imitates blood vessels in the surrounding tissues. The task is to separate the vessels from the adjacent tissue, thanks to which the practitioner can learn to carefully prepare delicate structures.
   b) Tissue Dissection Module is a removable, disposable pad that imitates human tissue. The task is to identify and separate different types of tissue, for example, nodules or adhesions.



2. **The Clip Application Module,** applying clips is one of the most important laparoscopy skills, which is why it is worth training systematically. The module features custom-designed and produced artificial blood vessels which are suspended between supports. This allows simulating the clipping of these vessels and then cutting them. The blood vessels are pieces of sealed plastic tubing that contain red dye that simulates blood. When the clamp is applied properly the blood recedes allowing us to check the clamp quality.



3. **FLS Compatible Module 1,** allows you to prepare for one of the tasks on the FLS exam. It allows you to learn how to precisely locate and tighten the loops



- Type of exercise:
  - precise handling of instruments
  - using tools on materials imitating real tissues
  - sense of delicate structures
- Recommended instruments:
  - Dissector
  - Grasper
  - Scissors
  - Clip Applicator

	Compatibility	EAN	Dimensions	Weight	Guarantee
1,2,3	ADVANCE/ANALYTIC	5904024555261	3 x 10 x 10 cm	0,1 kg	2 years
	APEX/APEX PRO	5904024555414	3 x 10 x 10 cm	0,1 kg	2 years
A	n/a	5904024555704	1 x 6 x 10 cm	0,05 kg	2 years
B	n/a	5904024555711	1 x 6 x 10 cm	0,05 kg	2 years

DEXTERITY



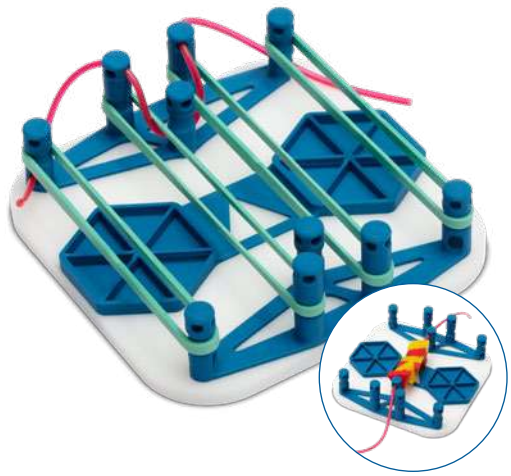
The set includes silicone balls, cones and a lid which can be attached for some exercises. The Module was designed to teach basic skills such as handling and manipulating with instruments, skills which are crucial in developing the basic ability to perform more advanced exercises and procedures. The Dexterity Module allows performing many different exercises, including moving balls, cones, pronation and direction.

- What is practiced
  - instrument control (together and separately)
  - precision and a depth perception
  - dexterity in transferring small and light elements between instruments
- Recommended instruments
  - Grasper
  - Dissector

2 in 1

Compatibility	EAN	Dimensions	Weight	Guarantee
ADVANCE/ANALYTIC	5904024555216	3 x 10 x 10 cm	0,1 kg	2 years
APEX/APEX PRO	5904024555445	3 x 10 x 10 cm	0,1 kg	2 years

TENSION



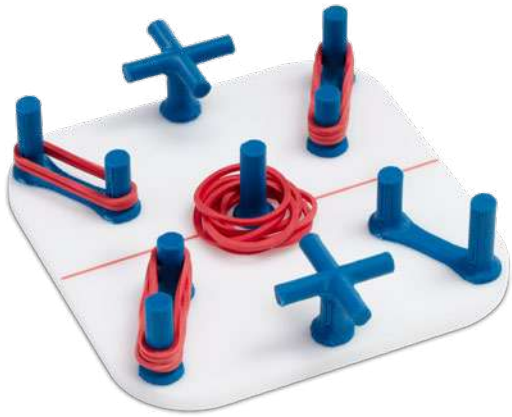
This module allows exercises which focus on teaching how to manipulate elastic components inside the operating area. It is made up of a base with magnets and ABS material as well as exercise components - silicone triangles, a set of Rubber Bands and twine. The Tension Module allows the practice of many different types of exercises including arranging elastic elements, drawing-through twine and building a tower.

- What is practiced
  - a sense of flexibility
  - tool control
  - moving objects from hand to hand
  - spatial perception
  - string manipulation
  - precision in guiding the tools
- Recommended instruments
  - Dissector
  - Grasper

3 in 1

Compatibility	EAN	Dimensions	Weight	Guarantee
ADVANCE/ANALYTIC	5904024555223	2 x 10 x 10 cm	0,1 kg	2 years
APEX/APEX PRO	5904024555421	2 x 10 x 10 cm	0,1 kg	2 years

RUBBER BANDS



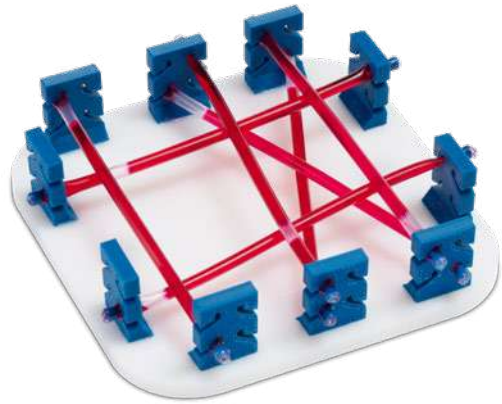
The Rubber Bands Module is perfect for training manual skills with the use of laparoscopic instruments. Training on different shapes of pins helps to improve manual skills at various angles and in many configurations and symmetric use of both hands. The module consists of a base, plastic pins attached to it, and a set of Rubber Bands.

- What is practiced
  - depth perception
  - understanding how the tension force exerted on instruments by elastic tissues works
  - practicing two-handed and alternating use of tools
- Recommended instruments
  - Dissectors

EAN	Dimensions	Weight	Guarantee
5904024555162	3 x 10 x 10 cm	0,1 kg	2 years

CLIP APPLICATION ...

The module features custom-designed and produced artificial blood vessels which are suspended between supports. This allows simulating the clipping of these vessels and then cutting them. The blood vessels are pieces of sealed plastic tubing that contain a red dye that simulates blood. When the clamp is applied properly the blood recedes allowing us to check the clamp quality.

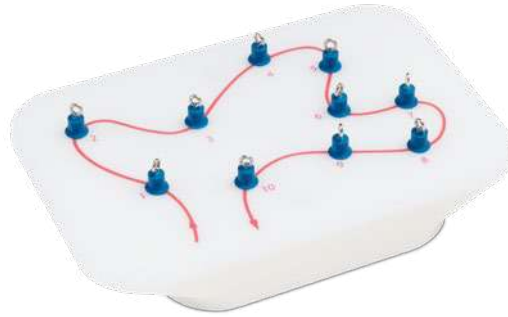


- What is practiced
  - simulation of clamping blood vessels
  - trimming the pinched blood vessels
- Recommended instruments
  - Clip Applicator
  - Scissors

EAN	Dimensions	Weight	Guarantee
5904024555025	3 x 10 x 10 cm	0,1 kg	2 years

E-BLUS COMPATIBLE ...

E-BLUS Compatible 1 module allows you to prepare for one of the tasks on the E-BLUS exam. It consists of a plastic base and numbered metal rings. The exercise aims to work out the same precision in both hands. In addition, the module allows you to learn to maneuver the needle in a small space and at different angles.

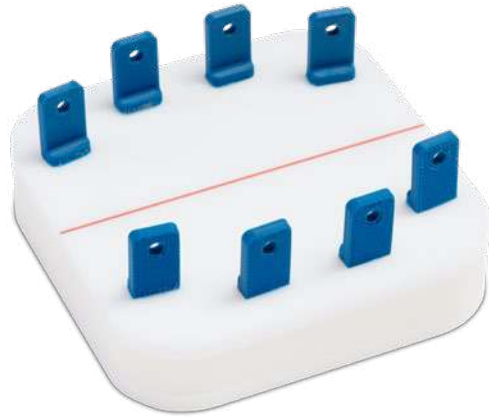


- Exam task
  - guide the needle through the 10 rings in a fixed sequence and in the direction marked on the module
  - the needle must always be held in a needle holder during the task
- Recommended instruments
  - 2 Needle Holders

Compatibility	EAN	Dimensions	Weight	Guarantee
ADVANCE/ANALYTIC	5904024555070	3,7 x 10 x 15 cm	0,1 kg	2 years
APEX/APEX PRO	5904024555490	3,7 x 10 x 15 cm	0,1 kg	2 years

NEEDLE GUIDANCE ...

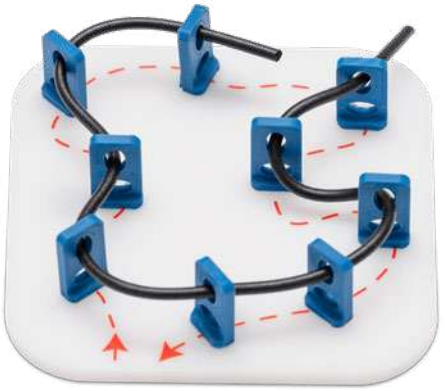
The Needle Guidance module consists of a plastic base and 8 plastic elements with a small hole. Training with this module can be divided into two stages with different levels of difficulty - training with a thread and with a needle and thread.



- What is practiced
  - symmetrical work with two instruments
  - improving depth perception
- Recommended instruments
  - for the variant with a thread: Grasper and Dissector
  - for the variant with a needle and thread: Needle Holder and Grasper

EAN	Dimensions	Weight	Guarantee
5904024555148	3 x 10 x 10 cm	0,1 kg	2 years

THREADING ...

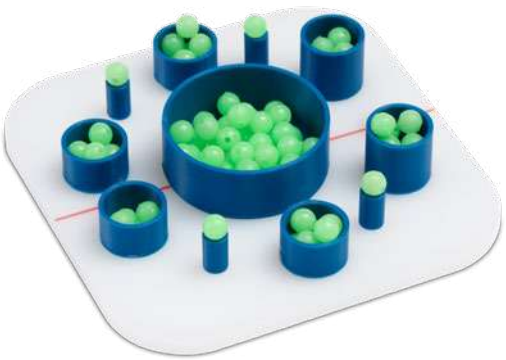


In this training module skills in cooperation between instruments and control can be practiced. A complex array of 3D printed elements of variable shapes is attached to the tray and a rubber rope must be guided between them.

- What is practiced
  - symmetrical work with two instruments
  - depth perception
- Recommended instruments
  - Grasper
  - Dissector

EAN	Dimensions	Weight	Guarantee
5904024555179	3 x 10 x 10 cm	0,1 kg	2 years

MARBLES ...



The Marbles training module consists of one large and six medium cylinders, four pins, and many small balls. The task is to grab and transfer the balls to the right places on the module.

- What is practiced
  - instrument manipulation: grabbing, lowering
  - depth perception
- Recommended instruments
  - Grasper
  - Dissector

EAN	Dimensions	Weight	Guarantee
5904024555131	2 x 10 x 10 cm	0,1 kg	2 years

CONES ...



The cones training module consists of a base with a permanently attached container for training cones and four modules with holes as well as plastic cones. The task is to grab the cone and turn it in such a way as to place it in the appropriate hole.

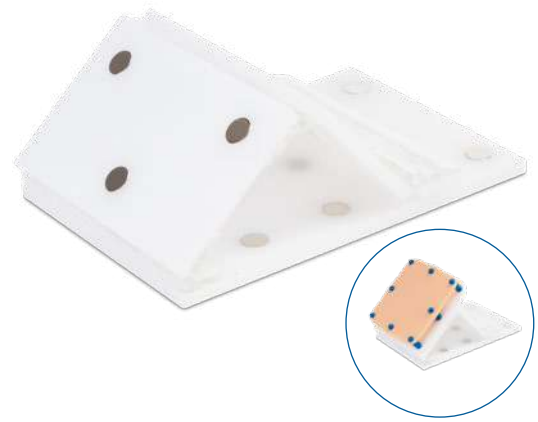
- What is practiced
  - turning the tip of the instrument
  - depth perception
  - cooperation between tools
- Recommended instruments
  - Grasper
  - Dissector

EAN	Dimensions	Weight	Guarantee
5904024555032	2 x 10 x 10 cm	0,1 kg	2 years

HOLDER WITH ADJUSTABLE ANGLE ...

The Holder with Adjustable Angle allows mounting any LAPARO training module at different angles to diversify the training and increase its difficulty. It is made of resistant material, which makes it durable and very easy to clean - just wipe it with a damp cloth. The training module is equipped with magnets attached to the trainer and magnets that allow for stable placement of the appropriate pad on the holder.

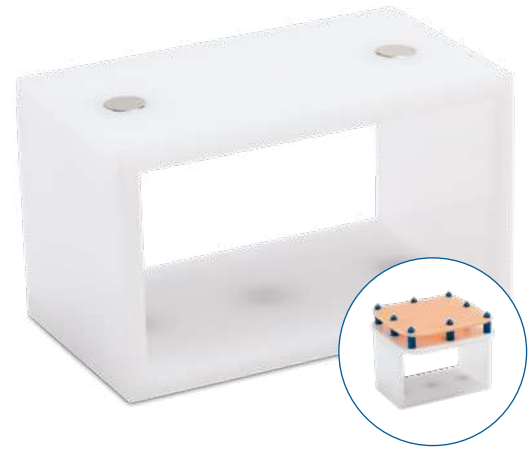
EAN	Dimensions	Weight	Guarantee
5904024555117	2 x 10 x 15 cm	0,3 kg	2 years



PLATFORM ..

Due to the specificity of laparoscopic procedures, access is often very limited and the field of view narrowed. Thanks to the platform module, it is possible to diversify and increase the level of difficulty of exercises performed on the trainer by adding height. Installation is easy. The selected training module is attached to the platform with magnets. Similarly, the platform with a particular pad is placed in the simulator.

EAN	Dimensions	Weight	Guarantee
5904024555124	6 x 6 x 10 cm	0,2 kg	2 years



UNIVERSAL HOLDER ....

The Universal Holder Module has been designed for training on non-standard materials. It is made up of a base, low walls, and four adjustable and durable Rubber Bands with clips. Thanks to the elasticity of the bands, it is possible to successfully perform work training on tight tissues.

It can be used with Laparo modules: suturing, cutting circles, intestine or anastomosis, and with any other organic matter (e.g. banana, chicken leg, etc.) during the training.

Compatibility	EAN	Dimensions	Weight	Guarantee
ADVANCE/ANALYTIC	5904024555186	3 x 16 x 16 cm	0,1 kg	2 years
APEX/APEX PRO	5904024555407	3 x 16 x 16 cm	0,1 kg	2 years



ANASTOMOSIS (2 UNITS)

The module consists of two silicone caps imitating real human tissue. It's easy to keep clean - just wash it with clean water and let it dry.



- What is practiced
  - cutting and suturing tissues
  - work on tissues under tension
- Recommended instruments
  - Needle Holder
  - Scissors
  - Grasper / Dissector
- Recommended add-on module (for laparoscopic trainers)
  - Universal Holder
  - Cuvette

EAN	Dimensions	Weight	Guarantee
5904024555001	1 x 4 x 6 cm	0,1 kg	2 years

ARTIFICIAL SKIN (3 LAYERS)

The artificial skin module is a replaceable element of the Laparo Adept Trainer - Surgical Skills. The structure imitates real-life anatomical layers: the epidermis, dermis, and subcutaneous tissue. it is reusable so a large number of training exercises can be executed before replacement is necessary. The module is easy to clean, in case of dirt or dust, it is enough to wash it under running water.



- To start training simply place the pad in the right place in the Laparo Adept trainer and make incisions in the skin according to your preferences and start practicing.
- When installed into the Adept the skin spreads, much as it does in reality. This makes it more difficult to place sutures.

EAN	Dimensions	Weight	Guarantee
5904024555308	1 x 12 x 15 cm	0,1 kg	2 years

BOWEL (2 UNITS)

The Bowel Training module features a specialized tube which imitates the texture and feel of an intestine. Anastomosis that shape is one of the most challenging exercises in training and learning the suturing skills in laparoscopy.

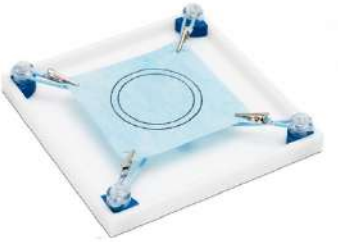


- What is practiced
  - anastomosis techniques
  - cutting and suturing under tension
- Recommended instruments
  - Needle Holder
  - Grasper
- Recommended add-on module (for laparoscopic trainers)
  - Universal Holder

EAN	Dimensions	Weight	Guarantee
5904024555018	1 x 2 x 15 cm	0,1 kg	2 years

FLS AND E-BLUS EXAM

FLS COMPATIBLE SET



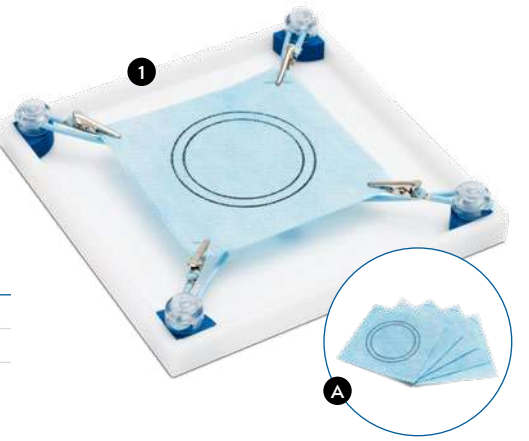


- 4 Training Modules
  - FLS Compatible 1
  - FLS Compatible 2
  - FLS Compatible 3
  - Universal Holder
  - + Cutting Circles (5 Pads)
  - + Replaceable For FLS Compatible 1 x 2
  - + Replaceable For FLS Compatible 2 x 2
- Suturing Kit x 2

Compatibility	EAN	Weight	Guarantee
ADVANCE/ANALYTIC	5904024556015	0,5 kg	2 years
APEX/APEX PRO	5904024555582	0,5 kg	2 years

CUTTING CIRCLES

The Cutting Circles module consists of 5 sheets of delicate material with a printed pattern of circles and a universal holder to which the printed pad is attached.



- Exam task
  - E-BLUS: the participant must precisely cut 1 circle within 300 seconds
  - FLS: the participant has to cut 3 circles precisely within 300 seconds
- Recommended instruments
  - Scissors
  - Grasper

	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555186	3 x 16 x 16 cm	0,1 kg	2 years
	APEX/APEX PRO	5904024555407	3 x 16 x 16 cm	0,1 kg	2 years
A	n/a	5904024555049	0,1 x 10 x 10 cm	-	2 years

FLS COMPATIBLE 1

The module consists of a base with a clips and a foam insert imitating natural tissues. It allows you to learn how to precisely locate and tighten the loops.



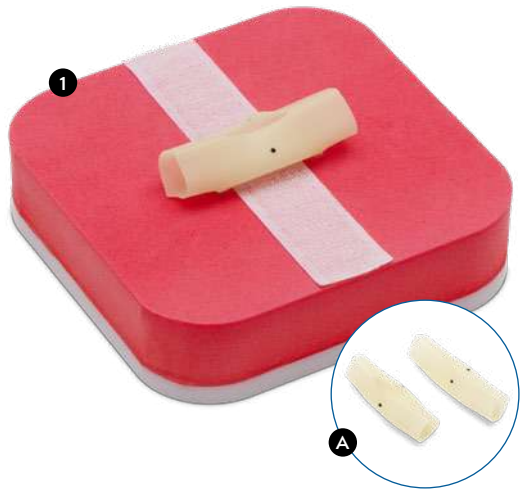
- Exam task
  - putting on the loop and tightening it in the place marked by the black line
  - the loop must be put around the element precisely
  - a one-millimeter difference in the loop position in reference to the black line is allowed
- Recommended instruments
  - Endoloop
  - Grasper/Dissector

	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555087	2,5 x 10 x 10 cm	0,1 kg	2 years
	APEX/APEX PRO	5904024555506	2,5 x 10 x 10 cm	0,1 kg	2 years
A	n/a	5904024555643	0,2 x 7 x 5 cm	-	2 years

FLS COMPATIBLE 2

This module allows to master the technique of placing intracorporeal and extracorporeal sutures.

- Exam task
  - place a seam in the place marked with dots. If seams are made outside of the trainer, knots need to be tied first and then tighten the wick with the knot pusher. When sewing inside the trainer, the knot should be made with the use of appropriate laparoscopic tools
  - after making the seam, the gap should be closed properly, the knot should not untie
  - 1 mm error in placing the seam is allowed relative to the marking
- Recommended instruments
  - Needle Holder
  - Dissector/Grasper
  - Knot Pusher

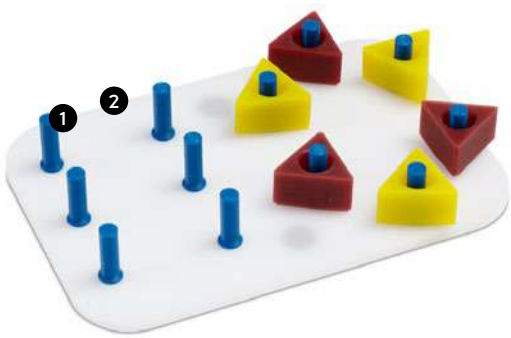


	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555094	2,5 x 10 x 10 cm	0,1 kg	2 years
	APEX/APEX PRO	5904024555513	2,5 x 10 x 10 cm	0,1 kg	2 years
A	n/a	5904024555650	2 x 2 x 7 cm	-	2 years

FLS COMPATIBLE 3

It helps to develop the skills of grasping and moving instruments in both hands with the same precision.

- Exam task
  - moving elements from one place to another
  - grabbing the element with one tool, passing to the second tool and putting it back on the given possition
  - items must not be moved outside the field of vision or be dropped
- Recommended instruments
  - Dissector
  - Grasper



	Compatibility	EAN	Dimensions	Weight	Guarantee
1	ADVANCE/ANALYTIC	5904024555100	2,7 x 10 x 15 cm	0,1 kg	2 years
2	APEX/APEX PRO	5904024555520	2,7 x 10 x 15 cm	0,1 kg	2 years

E-BLUS COMPATIBLE SET

- 4 Training Modules
  - E-BLUS Compatible
  - FLS Compatible 2
  - FLS Compatible 3
  - Universal Holder
  - \+ Cutting Circles Module - 5 pads
  - \+ Replaceable pad for FLS Compatible 2 x 2



Compatibility	EAN	Weight	Guarantee
ADVANCE/ANALYTIC	5904024556008	0,4 kg	2 years
APEX/APEX PRO	5904024555575	0,4 kg	2 years

GRASPER

The grasper is used to safely manipulate delicate abdominal tissue, it is one of the basic instruments used in laparoscopy.

- possibility of tip rotation
- both movable parts of forceps
- strong instrument to hold the tissues
- simple handle without ratchet



Name	EAN	Weight	Guarantee
Grasper ANALYTIC 5 mm	5904024554011	0,2 kg	2 years
Grasper APEX 5 mm	5904024554240	0,2 kg	2 years
Grasper APEX PRO 5 mm	5904024554271	0,2 kg	2 years
Grasper APEX PRO 3 mm	5904024554417	0,2 kg	2 years
Grasper 5 mm - black	5904024554240	0,2 kg	2 years
Grasper 3 mm	5904024554318	0,2 kg	2 years
Grasper 5 mm	5904024554523	0,2 kg	2 years

DISSECTOR

The dissector is used for tissue dissection and more precise control during laparoscopic surgery.

- both movable parts of forceps
- light teeth on forceps surface
- possibility of tip rotation
- simple handle without ratchet



Name	EAN	Weight	Guarantee
Dissector ANALYTIC 5 mm	5904024554004	0,2 kg	2 years
Dissector APEX 5 mm	5904024554257	0,2 kg	2 years
Dissector APEX PRO 5 mm	5904024554288	0,2 kg	2 years
Dissector APEX PRO 3 mm	5904024554424	0,2 kg	2 years
Dissector 5 mm - black	5904024554516	0,2 kg	2 years
Dissector 3 mm	5904024554301	0,2 kg	2 years
Dissector 5 mm	5904024554509	0,2 kg	2 years

SCISSORS

Laparoscopic scissors are used to cut tissue during surgery. It is one of the most popular instruments used during laparoscopic procedures.

- sharp
- rotatable tip
- simple handle - no ratchet



Name	EAN	Weight	Guarantee
Scissors ANALYTIC 5 mm	5904024554028	0,2 kg	2 years
Scissors APEX 5 mm	5904024554264	0,2 kg	2 years
Scissors APEX PRO 5 mm	5904024554295	0,2 kg	2 years
Scissors APEX PRO 3 mm	5904024554431	0,2 kg	2 years
Scissors 5 mm - black	5904024554554	0,2 kg	2 years
Scissors 3 mm	5904024554301	0,2 kg	2 years
Scissors 5 mm	5904024554547	0,2 kg	2 years

The tools sold by Laparo are for training purposes only and should not be used in real laparoscopic procedures.

NEEDLE HOLDER

The needle holder is used for suturing and holding the needle during laparoscopic procedures.

- dedicated to suturing
- magnetic tip with light teeth
- durable
- with ratchet

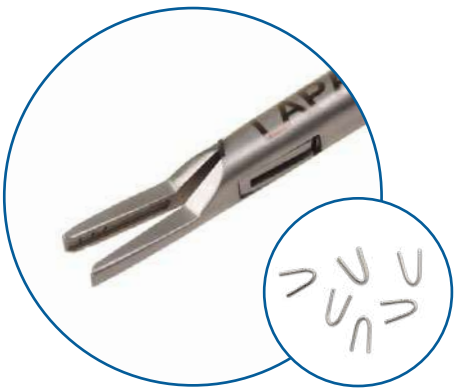


Name	EAN	Weight	Guarantee
Needle holder 3 mm	5904024554578	0,2 kg	2 years
Needle holder APEX PRO 3 mm	5904024554448	0,2 kg	2 years
Needle holder 5 mm	5904024554332	0,2 kg	2 years
Needle holder APEX 5 mm	5904024554202	0,2 kg	2 years
Needle holder APEX PRO 5 mm	5904024554455	0,2 kg	2 years
Needle holder ANALYTIC 5 mm	5904024554035	0,2 kg	2 years

CLIP APPLICATOR

The Clip Applicator is an instrument for placing surgical clips on tissues during laparoscopic or endoscopic procedures. These clips are used to ligate intra-cavity tissues in laparoscopic surgery. They are single-use and are used with the 5 mm clip applicator.

- made of titanium
- u-shaped
- closed tip of the instrument
- durable
- made entirely of metal



Name	EAN	Weight	Guarantee
Clip applicator ANALYTIC	5904024554042	0,2 kg	2 years
Clip applicator APEX	5904024554219	0,2 kg	2 years
Clip applicator APEX PRO	5904024554400	0,2 kg	2 years
Clip applicator 5 mm	5904024554585	0,2 kg	2 years

APEX MULTI-TOOLS

Multi-tools imitate the following instruments in virtual procedures

- Multi-tool 1: Stapler, Bipolar grasper, Vessel sealer, Ultrasonic scalpel
- Multi-tool 2: Hook, Suction-irrigator, pyloric knife



Name	EAN	Weight	Guarantee
Multi-tool 1	5904024554226	0,2 kg	2 years
Multi-tool 2	5904024554233	0,2 kg	2 years

KNOT PUSHER

The Knot Pusher is an instrument designed for moving extracorporeal knots in the abdominal cavity. It greatly facilitates the performance of knot tying during laparoscopic operations.



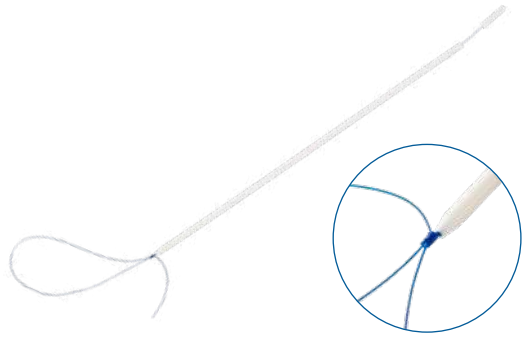
Name	EAN	Weight	Guarantee
Knot Pusher	5904024554592	0,3 kg	2 years

ENDOLOOP

Endoloop is used for the ligation of pendicles on tissue during laparoscopic procedures. The instrument is made of a plastic handle and a loop of durable fiber.

- Single-use, disposable
- Snappable plastic end allows tightening the loop to secure the knot

EAN	Dimensions	Weight	Guarantee
5904024554608	0,8 x 0,8 x 50 cm	0,2 kg	2 years



TROCAR 3 MM

The 3mm training trocar is designed and used with the 3mm instruments used in pediatric surgery. With this trocar, 3mm instruments and with our trainers it is possible to train pediatric surgery which, due to the difference in size, further increases the difficulty of laparoscopic surgery.

EAN	Dimensions	Weight	Guarantee
5904024557340	5 x 8,5 x 13,5 cm	0,2 kg	2 years



PACKAGE OF SUTURING KITS (12 UNITS)

12 x Suturing kit includes needles and threads. The package is used in Laparo training modules. A simple suturing kit is recommended for Laparo training modules.

	EAN	Dimensions	Weight	Guarantee
1	5904024557043	5 x 10 x 10 cm	0,1 kg	2 years
2	5904024557333	-	0,05 kg	2 years



The tools sold by Laparo are for training purposes only and should not be used in real laparoscopic procedures.

COVER

A two-layer protective cover prevents the simulator from getting dusty when is not in use. Equipped with a zipper on the back.



	Name	EAN	Dimensions	Weight	Guarantee
1	Cover ADVANCE	5904024557364	-	0,6 kg	2 years
2	Cover ANALYTIC	5904024557357	-	0,6 kg	2 years
3	Cover APEX	5904024557418	-	0,6 kg	2 years

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It is possible to make boxes with any logo.



EAN	Dimensions	Weight	Guarantee
5904024557388	137 x 76 x 96 cm	90 kg	2 years



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- ***Monitor del hospital***
- ***Ventilador mecánico***

La comunicación inalámbrica bidireccional permite a los instructores monitorear las decisiones de los estudiantes durante la simulación. Las listas de verificación incorporadas permiten ***capturar el rendimiento para un informe*** estructurado. Permite el ***control de hasta 10 tabletas*** al mismo tiempo

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- ***Control multidispositivo***
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US-10,10A-D P.6-
Fantoma de Ultrasonido de Pelvis Femenina

US-7α P.8
Fantoma de Examen de Ultrasonido Fetal "SPACE FAN"

US-14a/b P.9
Fantomas para Ecografía de Cabeza Neonatal

US-13 P.10
Fantoma de Sonografía de Cadera Infantil

US-8 P.11
Fantoma de Abdomen Pediátrico para Examen FAST

US-6 P.12
Fantoma de Examen de Mama por Ultrasonido"BREAST FAN"

US-9 P.13
Fantoma de Biopsia de Mama Ecoguiada

M44 P.14
Simulador Visual/ Táctil de Examen de Mama

M71 P.14
Modelo de Autoexamen de Mama - tipo vestible -

MW48 P.16-
Simulador de Cuidado Perinatal Integral "Hana"

MW65 P.18-
Simulador Avanzado de Parto y Obstetricia

MW34 P.20-
Simulador de Examen Obstétrico

MW40 P.22-
Simulador para Entrenamiento Obstétrico -set completo-

MW35 P.24
Simulador de Examen Cervical

MW36 P.25
Simulador de Asistencia de Parto Vaginal

MW37 P.26
Simulador de Perineorrafia

MW38 P.27
Simulador de Evaluación de Involución Uterina

MW32 P.28
Simulador de RCPN

MW21B P.29
Simulador de RCPN Plus II

MW33 P.29
Simulador de Infante EBPN

M59/M63 P.30
Modelo para Baño y Cuidados del Neonato

M58 P.30
Simulador de Examen de Signos Vitales Neonatales

M86 P.31
Modelo de Atención de Paciente Pediátrico (5-6 años)

M73 P.31
Modelo de Atención de Paciente Pediátrico (7-10 meses)

M56B P.32
Simulador de Atención de Paciente Pediátrico (7-8 años)

Cuidado de Paciente

MW25 P.36-
Simulador de Atención de Paciente "Yae"

MW26 P.38-
Simulador de Atención Básica de Paciente "Keiko"

MW22 P.40
Simulador de Atención de Paciente "Cherry"

M72 P.41
Simulador de Baño y Atención Hospitalaria (Masculino)

M85 P.42
Entrenador de Aspiración de Vías Aéreas

MW8 P.43
Simulador de Alimentación por Sonda (NG, OG y GEP)

MW58/ MW59 P.46
Simulador de Cuidado de Catéter Suprapúbico Masculino/Femenino

MW52/ MW2A P.47
Simulador de Cateterización y Enema Femenino/ Maculino

MW54/MW53/ MW55 P.48
Simulador de Cateterización Urinaria y Enema Vestible

MW23 P.49
Entrenador de Cambio de Pañal para Adultos

M66 P.50
Simulador de Cuidado Médico del Pie

MW1 P.50
Simulador de Marcas de Edema

MW63 P.51
Simulador de Úlceras por Presión

MW29 P.53
Simulador de Cuidado Oral Avanzado

M93B P.93
Bloque de Práctica Básica de Ultrasonido

Examinación Física

MW57 P.34
Entrenador de Auscultación Pulmonar Pediátrico

MW7B P.52
Entrenador de Medición de Presión Sanguínea ver.2

MW43 P.54
Simulador de Examinación Abdominal "AbdoAbby"

MW30 P.55
Próximamente
Entrenador de Palpación de Cabeza y Cuello

M55 P.56-
Simulador de Evaluación Física "Physiko"

M55B/C P.58-
Simulador de Evaluación Física "Physiko" Plus

MW10 P.60-
Simulador "K" de Paciente de Cardiología ver.2

MW28 P.62-
Entrenador de Auscultación Pulmonar "LSAT" ver.2

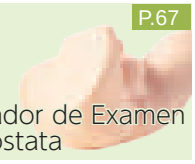
MW12 P.64
Simulador de Examen de Oído II

M82/ M82A P.65
Simulador de Examen de Ojo

Examinación Física

MW45 P.66
Simulador de Hisopo Nasofaríngeo

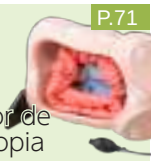

M92 P.67
Simulador de Examen Rectal Digital


M53B P.67
Simulador de Examen de Próstata


MW20 P.68
Simulador Prostático y Rectal


US-11 P.69
Fantoma Escrotal para Ultrasonido


MW24 P.70
Entrenador de Colonoscopio 3D NKS

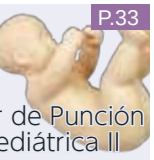

M40 P.71
Entrenador de Colonoscopia


US-1B P.72
Fantoma de Ecografía Abdominal con Patologías "ABDFAN"

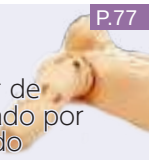

US-1 P.73
Fantoma de Ecografía Abdominal "ECHOZY"

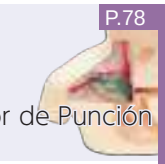

Habilidades Clínicas - Inyección/Punción

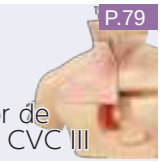
M95 P.33
Simulador de Mano Pediátrica para Punción IV

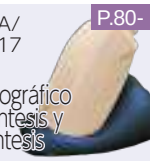

M43D P.33
Simulador de Punción Lumbar Pediátrica II


M99 P.76
Simulador de Punción Arterial


MW18 P.77
Simulador de PICC Guiado por Ultrasonido


M93UB P.78
Simulador de Punción CVC II


M93C P.79
Simulador de Inserción CVC III


MW4/MW4A/ MW15/MW17 P.80-
Simulador Ecográfico de Toracocentesis y Pericardiocentesis


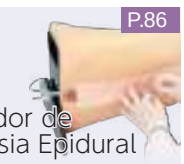
M74 P.82
Simulador para Inyección Intramuscular en Glúteo


M67C P.83
Entrenador de Inyección Intramuscular con Correa


MW64 P.83
Set de Entrenamiento en Vacunación


M43B/ M43B-B P.84
Simulador de Punción Lumbar IIA


M43E P.85
Simulador Ecográfico de Punción Lumbar/ Epidural


MW3 P.86
Simulador de Anestesia Epidural


MW49 P.87
Simulador de Brazo Intravenoso III


MW50 P.88
Simulador de Venopunción Sujetable

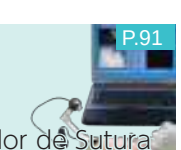

M94 P.88
Entrenador de Inyección Intradérmica


MW9 P.89
Simulador de Colocación de Catéter Venoso Periférico


Habilidades Clínicas-Sutura

US-3 P.75
Fantoma de Ultrasonido Abdominal Intraoperatorio y Laparoscópico "IOUSFAN"


MW56 P.90
Sistema de Evaluación de Sutura Laparoscópica -Laparo Cube-

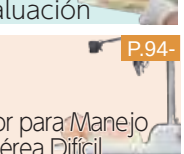

M57B P.91
Simulador de Sutura con Evaluación


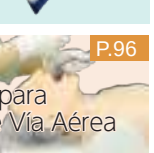
M83 P.92
Juego de Entrenadores para Sutura


Habilidades Clínicas Emergencias

MW60 P.67
Simulador de Traqueotomía


US-5 P.93
Fantoma de Ultrasonido Abdominal de Emergencia "FAST FAN"

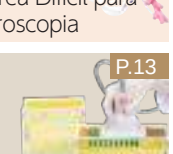

MW11 P.94-
Simulador para Manejo de Vía Aérea Difícil -Sistema de Evaluación-


MW13 P.96
Simulador para Manejo de Vía Aérea Difícil -Modelo de Entrenamiento-


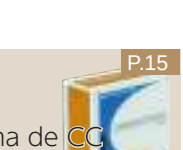
MW14 P.97
Simulador para Manejo de Vía Aérea Difícil -Modelo de Demostración-


MW19 P.97
Simulador para Manejo de Vía Aérea Difícil para Broncofibroscopia

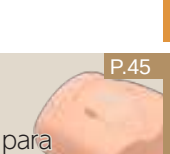

Ultrasonido

US-4 P.13
Fantoma para CC de Ultrasonido Mama


US-4B P.15
Fantoma de CC Básico de Ultrasonido

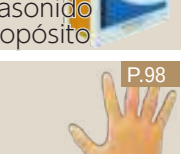

US-2 P.15
Fantoma de CC de Ultrasonido Multipropósito


US-20 P.44
Fantoma de Alimentación por Sonda Ecoguiada


US-16 P.45
Fantoma para Evaluación de Volumen de Orina Intravesical


US-22 P.74
Fantoma Abdominal de Modalidad Dual (TC, Ultrasonido)

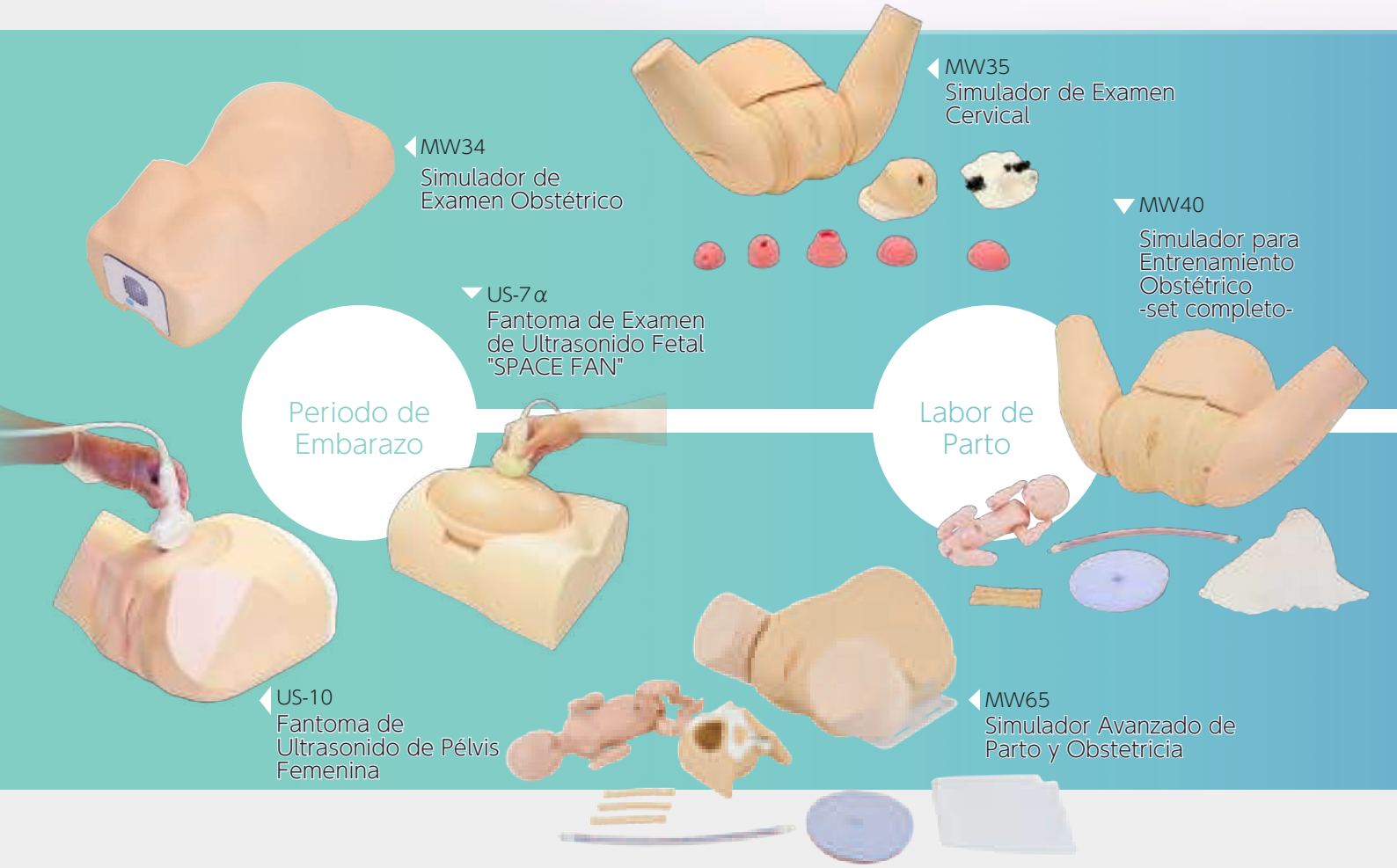

US-18 P.98
Fantoma de Ultrasonido Fundamental


US-17 P.98
Fantoma de Mano Reumatoide


P.99-
Modelos Anatómicos

Amplio Rango de Simuladores de Entrenamiento Innovadores





Series de Maternidad de Kyoto Kagaku

Características Innovadoras

1 Área genital de material innovador que se destaca en su elasticidad, durabilidad y resiliencia para ofrecer entrenamiento práctico realista del examen pélvico y parto

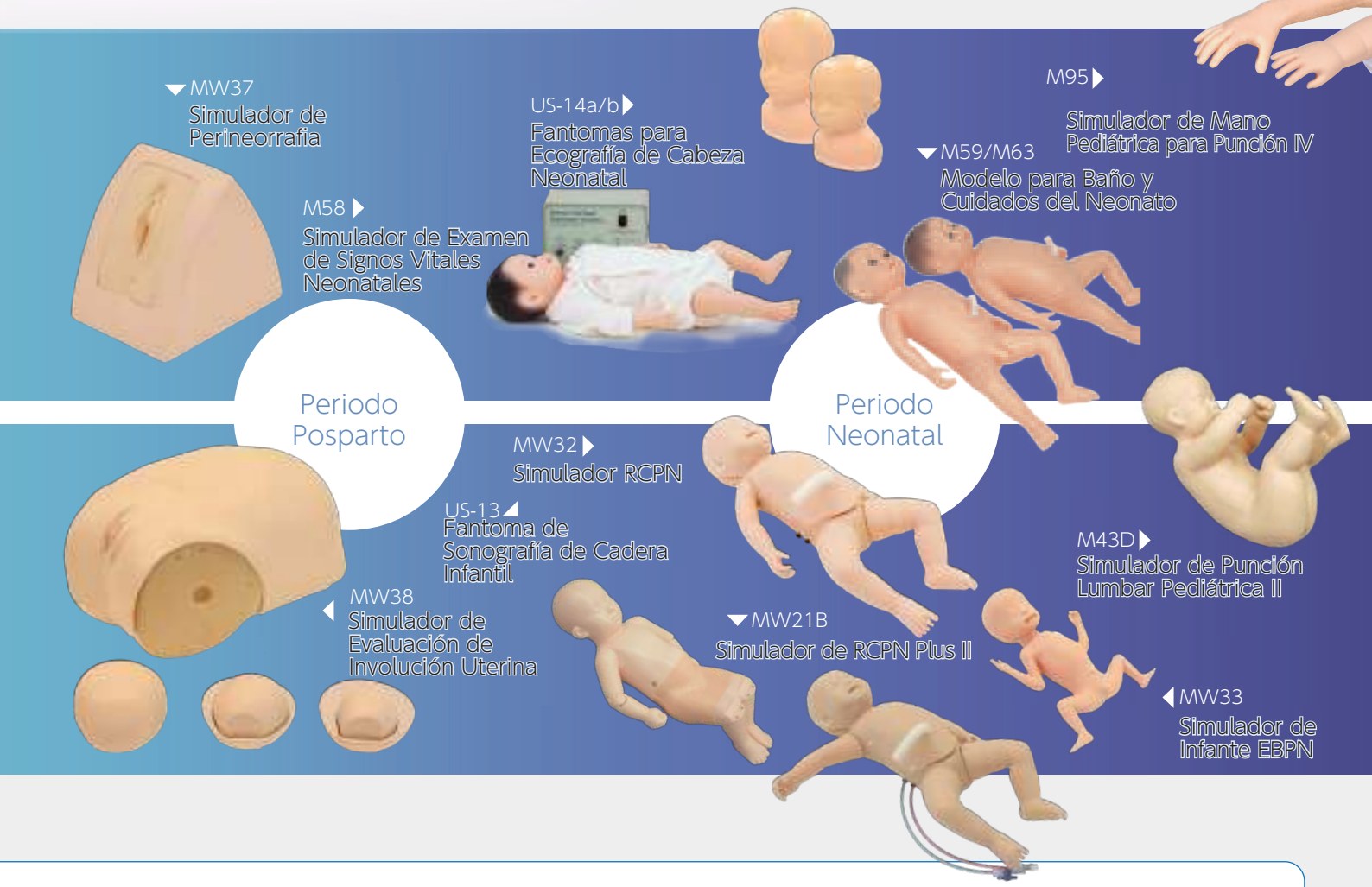
*El área perineal elástica permite el uso repetitivo, reduciendo el costo de cursos de entrenamiento.



del Periodo de Embarazo al Periodo Neonatal



MW48
Simulador de Cuidado Perinatal Integral “Hana”



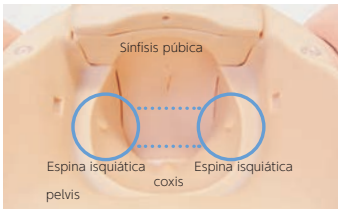
2 Parto y extracción de placenta

1. Lubricante óptimo
2. El área genital se destaca en su elasticidad, durabilidad y resiliencia.
3. Canal vaginal que encaja con el tamaño del neonato.
4. Manija de sujeción para estabilizar el cuerpo materno



3 Puntos de referencia en la pélvis que facilitan la integración de los conocimientos anatómicos y habilidades de procedimiento

El canal vaginal, espinas isquiáticas, sínfisis púbica y coxis anatómicamente correctos permiten la observación y palpación de los puntos de referencia relacionados a las posiciones fetales, y facilitan el entendimiento anatómico para adquirir destrezas en obstetricia.



Anatomía correcta

US-10 US-10A US-10B US-10C US-10D

Fantoma de Ultrasonido de Pelvis Femenina

Prácticas de ambos procedimientos de ultrasonido transvaginal y transabdominal en uno.

Las nuevas unidades de embarazo de 10 semanas y la unidad de DIU brindan una capacitación completa en ecografía de obstetricia y ginecología.

Supervisión del Producto

Charlotte Henningsen, MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences



CARACTERISTICAS

1 | Compatible con transductores de ultrasonido reales
2 | Cinco tipos de insertos intercambiables con diferentes patologías
3 | Vista realista de los genitales externos femeninos
4 | Excelente calidad de imagen de ultrasonido

TECNICAS

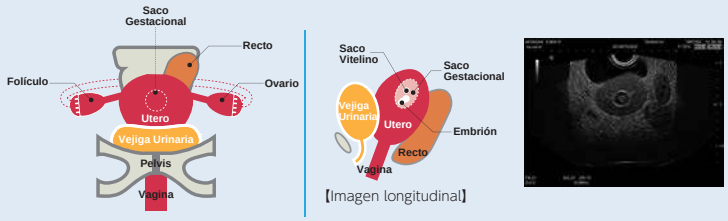
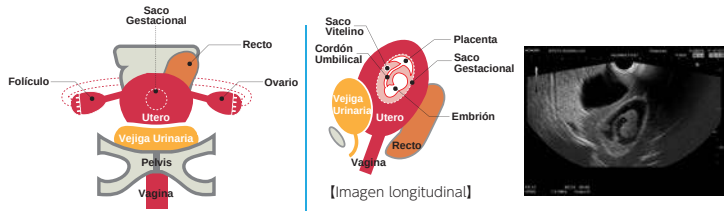
| Manejo y manipulación de transductores transvaginal y transabdominal
| Interpretación de sonograma
| Visualización y localización de anatomías y patologías

DESCRIPCION

CONTENIDO DEL JUEGO

	US-10A/41909-100 Fantoma de Ultrasonido de Pelvis Femenina (3uds/7sem)	US-10C/41909-110 Fantoma de Ultrasonido de Pelvis Femenina (3uds/10sem)	US-10/41909-000 Fantoma de Ultrasonido de Pelvis Femenina(2 unidades)	US-10B/41909-200 Fantoma de Ultrasonido de Pelvis Femenina (7sem)	US-10D/41909-210 Fantoma de Ultrasonido de Pelvis Femenina (10sem)
maniquí de troso inferior	✓	✓	✓	✓	✓
unidad patológica de ultrasonido	✓	✓	✓	–	–
unidad de ultrasonido de embarazo 7 semanas	✓	–	–	✓	–
unidad de ultrasonido de embarazo 10 semanas	–	✓	–	–	✓
unidad de ultrasonido de embarazo ectópico	✓	✓	✓	✓	✓
unidad con DIU	–	–	–	–	–
caja de almacenamiento	2	2	1	1	1
talco en polvo	✓	✓	✓	✓	✓
jeringa	✓	✓	✓	✓	✓
manual	✓	✓	✓	✓	✓

CARACTERISTICAS CLAVE

Cinco sets de entrenamiento	Anatomía, hallazgos y patologías	US-10A	US-10C	US-10	US-10B	US-10D
Embarazo normal (7 semanas)	 【Imagen longitudinal】	✓	—	—	✓	—
NUEVO Embarazo normal (10 semanas)	 【Imagen longitudinal】	—	✓	—	—	✓
Embarazo ectópico		✓	✓	✓	✓	✓
Unidad con patologías		✓	✓	✓	—	—
NUEVO Unidad con DIU		—	—	—	—	—

DESCRIPCION

ESPECIFICACIONES

Tamaño: A34 x P33 x A24cm
A13.5 x P13 x A9.5 plgds

Peso: 7.2kg / 15.9 lbs

MATERIALES

Resina blanda, Elastómero de poliuretano
Libre de látex

REPUESTOS

41909-030	unidad patológica de ultrasonido
41909-040	unidad de ultrasonido de embarazo ectópico
41909-050	unidad de ultrasonido de embarazo de 7 semanas
41909-060	piel para US-10 / 10A / 10B / 10C / 10D
41909-070	unidad de ultrasonido de embarazo de 10 semanas
41909-080	unidad con DIU

* El aparato de ultrasonido no está incluido

US-7α

Fantoma de Examen de Ultrasonido Fetal "SPACE FAN"

Fantoma fundamental para práctica del examen fetal en el segudo trimestre

Incluye un feto de 23 semanas con anatomía detallada relacionada con la evaluación de la edad gestacional en el segundo trimestre





Modelo de Feto para Demostración

Incluye un modelo de feto de tamaño real para demostración y entendimiento visual.

Supervisión del Producto

Kiyoko Kabeyama RN, RM, PhD
Professor Midwifery & Women's Health, School of Human Health Science, Graduate School of Medicine, Kyoto University

Haruto Egawa, PhD
National Hospital Organization Kyoto Medical Center
Department of Obstetrics, Head Physician or Medical Director



Fotos cortesía de la Adventist University of Health Sciences





CARACTERISTICAS

1 | El fantoma abdominal de forma oval puede ser colocado en 4 posiciones diferentes.
2 | El feto incluye las estructuras completas del esqueleto y los órganos claves.
3 | Incluye un DVD educativo y un modelo fetal de demostración para aprendizaje comprensivo.
4 | Incluye un feto de 23 semanas.

TECNICAS

| Medición fetal: DBP, DA, CA y LF
| Medición del volumen del líquido amniótico¦ Determinación de la presentación fetal (cefálica o podálica)
| Evaluación de cada parte del cuerpo
-Cabeza: cráneo y cerebro
-Columna y extremidades
-Cámaras cardíacas, vasos sanguíneos y pulmones
| Evaluación del cordón umbilical y posición de placenta
| Determinación del sexo

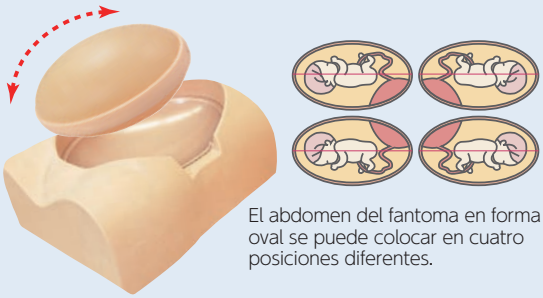
ANATOMIA

Útero

| líquido amniótico
| placenta
| cordón umbilical

Feto

| estructura ósea
| cerebro con septum lucidum
| ventrículos laterales y cerebelo
| corazón con 4 cámaras
| pulmones
| bazo
| vejiga
| estómago
| hígado
| riñones
| aorta
| vena umbilical
| arteria umbilical
| genitales externos



El abdomen del fantoma en forma oval se puede colocar en cuatro posiciones diferentes.

DESCRIPCION

ESPECIFICACIONES

Torso Tamaño: A40 x P31 x A22 cm Peso: 7.3kg / 13 lbs
A15.7 x P12.2 x A8.7 plgds

Fantoma Tamaño: A30 x P21 x A15 cm
A11.8 x P8.3 x A5.9 plgds

MATERIALES

Resina blanda, Elastómero de poliuretano
Libre de látex

CONTENIDO DEL JUEGO

1	torso del cuerpo materno
1	fantoma de ultrasonido del útero embarazado
1	modelo de feto para demostración
1	caja de almacenamiento
1	manual de tutorial (DVD)
1	talco en polvo

* El aparato de ultrasonido no está incluido

US-14a

Fantoma para Ecografía de Cabeza Neonatal (Tipo Normal)

El primer fantoma de cabeza neonatal para ecografía del mundo con anatomías clave







Supervisión del Producto
Charlotte Henningsen,
MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences

CARACTERISTICAS

El ultrasonido craneal o de cabeza es una de las técnicas de escaneo más difíciles, y los practicantes tienen pocas oportunidades de entrenar. Este modelo de cabeza representa la anatomía cerebral neonatal, y provee una experiencia realista al usuario.

TECNICAS

| Escaneo de anatomía cerebral en planos sagital (ángulo parasagital), coronal y transversal vía cualquier fontanela
| Palpación de las fontanelas anterior, posterior y mastoidea

ANATOMIA

| cráneo
| fontanela anterior
| fontanela posterior
| fontanela mastoidea
| cerebro
| cerebelo
| tronco encefálico
| ventrículo lateral
| tercer ventrículo
| cuarto ventrículo
| septum lucidum

DESCRIPTIONS

ESPECIFICACIONES

Tamaño: A13 x P13 x A17 cm
A5.1 x P5.1 x A6.7 plgds

Peso: 1.5kg / 3.3lbs

MATERIALES

Elastómero de poliuretano
Libre de látex

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido
1	almohada
1	talco en polvo
1	caja de almacenamiento
1	manual de instrucciones

* El aparato de ultrasonido no está incluido

US-14b

Fantoma para Ecografía de Cabeza Neonatal (Tipo Anormal)

El primer fantoma de ultrasonido de cabeza neonatal con hidrocefalia







Supervisión del Producto
Charlotte Henningsen,
MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences

CARACTERISTICAS

El fantoma de cabeza está diseñado para demostrar la hidrocefalia. La forma del cráneo está alterada debido a la presión intracraneal.

TECNICAS

| Escaneo de anatomía cerebral en planos sagital (ángulo parasagital), coronal y transversal vía cualquier fontanela
| Palpación de fontanelas

ANATOMIA

| cráneo
| fontanela anterior
| fontanela posterior
| ventrículo lateral hipertrofiado

DESCRIPCION

ESPECIFICACIONES

Tamaño: A13 x P14 x A20 cm
A5.1 x P5.5 x A7.9 plgds

Peso: 1.5kg / 3.3lbs

MATERIALES

Elastómero de poliuretano
Libre de látex

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido
1	almohada
1	talco en polvo
1	caja de almacenamiento
1	manual de instrucciones

* El aparato de ultrasonido no está incluido

US-13

Fantoma de Sonografía de Cadera Infantil

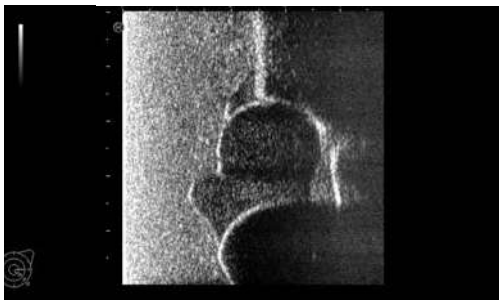
Primer fantoma de sonografía de cadera infantil del mundo
La mejor herramienta para enseñar el método de Graf

Este fantoma expande las oportunidades de entrenamiento para los pediátras, radiólogos y ortopedistas. Antes de que trabajen con infantes reales, los practicantes pueden entrenar repetitivamente con este fantoma para familiarizarse con los procedimientos y puntos clave del examen. Utilizando aparatos de ultrasonido reales, los practicantes pueden aprender sobre los puntos de referencia clave de ultrasonido para identificar el plano estándar de la clasificación de Graf. Esto es fundamental para adquirir las habilidades del manejo y posicionamiento del neonato y el posicionamiento correcto del transductor.

Supervisión del Producto
Univ. Prof., h.c., Reinhard Graf, M.D.







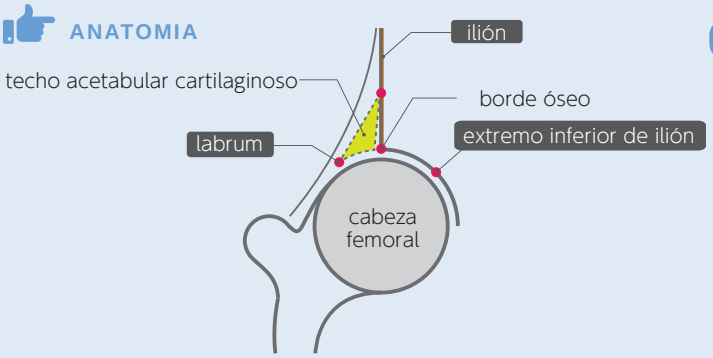
CARACTERISTICAS

1 | El único fantoma en el mercado para entrenamiento de sonografía de cadera en maniquí de cuerpo entero de infante de 6 semanas
2 | Caderas bilaterales para el examen
3 | Facilita el entendimiento anatómico
4 | Brazos movibles para la práctica de sostenimiento y reposicionamiento del infante

TECNICAS

| Ajuste y preparación para sonografía de cadera
| Cambio de posición del infante
| Comunicación e interacción con los acompañantes del infante
| Uso y posicionamiento correctos del transductor
| Reconocimiento de los puntos de referencia para sonografía de cadera
| Visualización de los planos estándar, anterior y posterior
| Interpretación y clasificación morfológica del sonograma

ANATOMIA



HITOS ANATOMICOS

| unión condro-ósea
| cabeza femoral
| membrana sinovial
| cápsula articular
| labrum acetabular
| techo acetabular cartilaginoso
| promontorio óseo del borde acetabular óseo superior
| extremo inferior del ilión
| plano estándar

DESCRIPCION

ESPECIFICACIONES
Tamaño: A55 x P25 x A13 cm
A21.6 x P9.8 x A5.1 plgds

Peso: 3kg / 6.6lbs

MATERIALES
Elastómero de poliuretano
Libre de látex

INSTRUMENTOS RECOMENDADOS
-

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido infantil
1	talco en polvo
1	caja de almacenamiento
1	manual de instrucciones

REPUESTOS
-

* Cojín de apoyo no incluido.
* El aparato de ultrasonido no está incluido

US-8

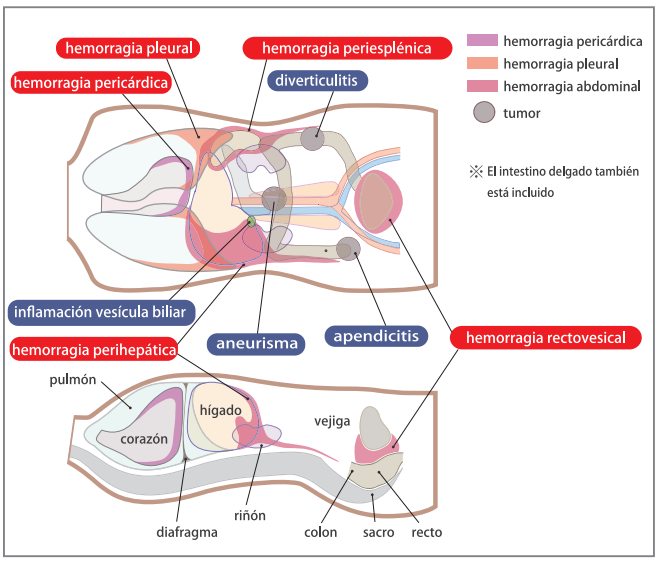
Fantoma de Abdomen Pediátrico para Examen FAST

Entrenamiento de ultrasonido para procedimientos de FAST Pediátricos

1er fantoma de torso pediátrico de ultrasonido del mundo provee oportunidades de entrenamiento práctico del examen de ultrasonido de un paciente de 2 años de edad.

Supervisión del Producto
Shunsuke Nosaka, MD, PhD
Director of Radiology
National Medical Center for Children and Mothers





CARACTERISTICAS

1 | Estructura esquelética, líquido libre, y órganos toracoabdominales para practicar los procedimientos de examen FAST
2 | Patologías comunes en pediatría
3 | Adquisición de técnicas de ultrasonido abdominal pediático fundamentales, como las de FAST/ sonografía de abdomen agudo.

TECNICAS

| Procedimiento FAST:
Hemorragia interna en las áreas perihepática, periesplénica, pélvica y pericárdica

| Sonografía para el paciente pediátrico de abdomen agudo:
intususcepción intestinal, apendicitis y dilatación biliar

CARACTERISTICAS CLAVE


Hemorragia pleural


Hidronefrosis


Apendicitis

DESCRIPCION

ESPECIFICACIONES

Tamaño: A41 x P17 x A15 cm Peso: 7kg / 15.4lbs
A16.1 x P6.7 x A5.9 plgds

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido
1	talco en polvo
1	caja de almacenamiento
1	tutorial manual (DVD)
1	manual de instrucciones

MATERIALES

Elastómero de poliuretano
Libre de látex

REPUESTOS

INSTRUMENTOS RECOMENDADOS

* El aparato de ultrasonido no está incluido

US-6

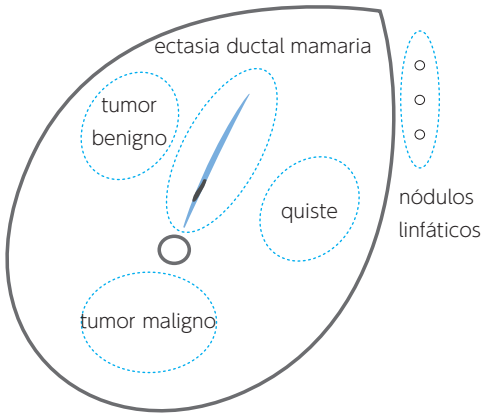
Fantoma de Examen de Mama por Ultrasonido "BREAST FAN"

Único fantoma para aprender los fundamentos del examen de mama

Patologías simuladas con diferentes ecogenicidades están incrustadas en la glándula mamaria del fantoma.

Supervisión del Producto
Tokiko Endo, MD, PhD
Director of Department of Advanced Diagnosis,
Clinical Research Center,
National Hospital Organization Nagoya Medical Center
Director of Department of Radiology,
National Hospital Organization Nagoya Medical Center





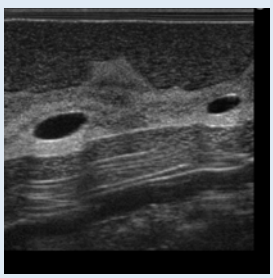
CARACTERISTICAS

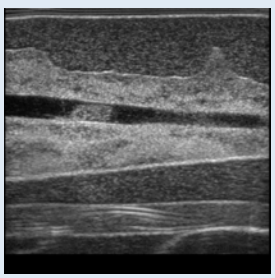
1 | Fantoma de ultrasonido de mama moderno con anatomía
2 | Habilidades requeridas para el examen de ultrasonido de mama se pueden mejorar considerablemente con la práctica
3 | Excelente calidad de imágenes de ultrasonido

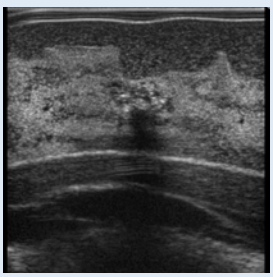
TECNICAS

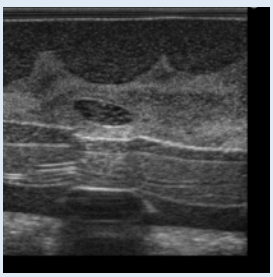
| Escaneo sistemático completo de mama
| Visualización de los puntos de referencia anatómicos clave
| Localización de galactoforo
| Visualización y diferenciación de patologías típicas
| Localización y medición de quistes y tumores

IMAGENES


Quiste


Ectasia ductal mamaria


Tumor maligno


Tumor benigno

ANATOMIA

tejido adiposo subcutáneo
glándula mamaria
galactoforo
ligamento de Cooper
tejido adiposo retromamario
costillas
clavícula
músculo pectoral mayor
pulmón
| nódulos linfáticos en axila

DESCRIPCION

ESPECIFICACIONES

Tamaño: A26 x P38 x A11 cm
A10.2 x P15 x A4.3 plgds
Peso: 7kg / 15.4lbs

CONTENIDO DEL JUEGO

1 fantoma de mama
1 talco en polvo
1 caja de almacenamiento
1 tutorial manual (DVD)
1 manual de instrucciones

MATERIALES

Elastómero de poliuretano
Libre de látex

REPUESTOS

-

INSTRUMENTOS RECOMENDADOS

-

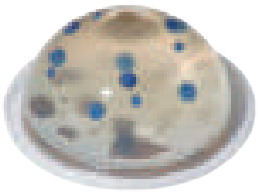
* El aparato de ultrasonido no está incluido

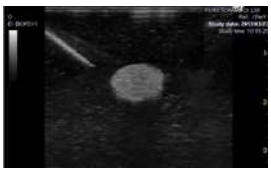
US-9

Fantoma de Biopsia de Mama Ecoguiada

Básico (Transparente)

Coordinación de manos y ojos

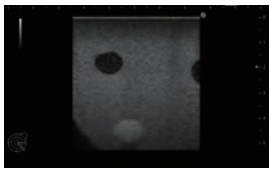




Avanzado (Opaco)

Adquisición segura y fiable de las habilidades de biopsia con aguja





Mejore su confianza en desempeñar una biopsia de mama segura y precisa

Combine dos tipos de fantoma de mama para el desarrollo de habilidades de biopsia con aguja paso a paso.

CARACTERISTICAS

1 | Biopsia por Aspiración con Aguja Fina (FNAB), Biopsia con Aguja Gruesa (CNB) y Biopsia de Mamotomo se pueden desempeñar bajo la guía de ultrasonido

2 | Tejidos de mama realistas que simulan la textura y resistencia de la glándula mamaria

3 | Objetivos de color para confirmar muestreos exitosos

TECNICAS

| Coordinación de manos y ojos para biopsia bajo ultrasonido
| Localización de los objetivos con la guía del ultrasonido
| Muestreo del objetivo

DESCRIPCION

ESPECIFICACIONES

Tamaño: 16 dia. x H8 cm / 6.3 dia. x H3.2 plgds Peso: 0.75kg / 1.7 lbs

VARIACIONES DEL SET

Set duo:	11387-000	transparente (1 und) + opaco (1 und)
Set transparente:	11387-100	1 par del tipo transparente
Set opaco:	11387-200	1 par del tipo opaco

MATERIALES

Hidrogel
Libre de látex

CONTENIDO DEL JUEGO

1	par de fantomas
1	manual de instrucciones

REPUESTOS

-

INSTRUMENTOS RECOMENDADOS

* El aparato de ultrasonido no está incluido

* Este fantoma requiere de condiciones especiales de almacenamiento. Favor de consultar el manual de usuario para mayor información.

US-4

Fantoma para Control de Calidad de Ultrasonido de Mama

Asegure imágenes altamente detalladas para un examen confiable de cáncer de mama

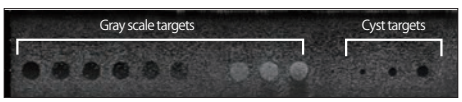
Fantoma de Control de Calidad de Ultrasonido para la sonografía de alta frecuencia alrededor de 10MHz requerida para el examen de mama. Para el chequeo de calidad de las imágenes de ultrasonido mensual, y a la vez, para el aseguramiento de la calidad a largo plazo para mantener la consistencia de desempeño de los escáneres y transductores.



Bloque de objetivos en masa

Velocidad sónica: 1434 m/seg. a 25 grados C
Coeficiente de atenuación: 0.59 dB/ cm MHz a 25 grados C
Impedancia acústica: 1.37 rayl a 25 grados C
Objetivos integrados: objetivos de escala de gris/ de quiste

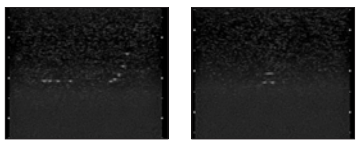
Bloque de objetivos en masa (resolución de contraste)



Bloque de objetivos de punto

Velocidad sónica: 1442 m/seg. a 25 grados C
Coeficiente de atenuación: 0.73 dB/cm MHz a 25 grados C
Impedancia acústica: 1.39rayl a 25 grados C
Objetivos integrados: objetivos de punto/ de línea de 45 grados

Bloque de objetivos de punto (resolución de contraste)



DESCRIPCION

ESPECIFICACIONES

Fantoma de bloque de objetivos en masa: 18 x 7.5 x 11 cm / 7.2 x 3 x 4.4 plgds
Fantoma de bloque de objetivos de punto: 13.5 x 7.5 x 11 cm / 5.4 x 3 x 4.4 plgds

Peso: Masa 1.3kg / 2.7lbs
Punto 1.0kg / 2.2lbs

CONTENIDO DEL JUEGO

1	bloque de objetivos en masa
1	bloque de objetivos de punto
1	termómetro
1	caja de almacenamiento
1	manual de instrucciones

MATERIALES

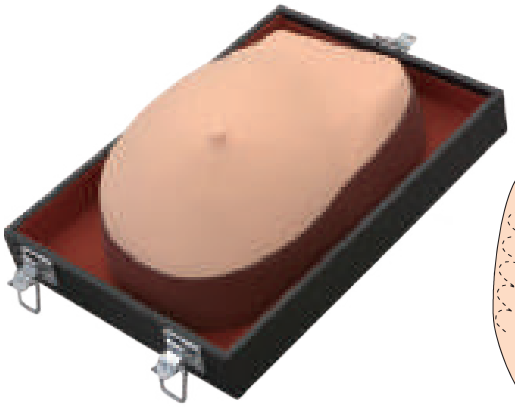
Elastómero de uretano, acrílico, nylon
Libre de látex

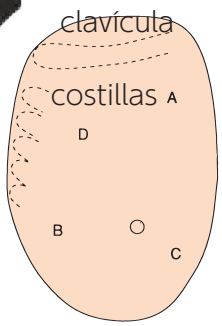
M44

Simulador Visual/Táctil de Examen de Mama

Un entrenador del examen de mamas compacto y realista

Una excelente herramienta de entrenamiento y demostración para la palpación del bulto del seno en ambos ambientes educativo y clínico





Supervisión del Producto
Tsuneaki Senoh, Prof.,
Kurashiki Medical Center

CARACTERISTICAS

1 | Cuatro bultos del seno (tumor con hoyuelo, tumor con depresión de piel, fibroadenoma y mastopatía)
2 | Puntos de referencia óseos para palpación: clávicula y costillas
3 | Textura suave similar al cuerpo humano real

TECNICAS

| Examen de mamas táctil
| Autoexamen de mamas

PATOLOGIAS

(A) Hoyuelo de Piel (Tumor):
Duro. Superficie no uniforme.
Borde parcialmente no marcado.

(B) Depresión (Tumor):
Dura. Superficie no uniforme.
Borde parcialmente no marcado.

(C) Fibroadenoma:
Esférico. Superficie lisa. Movible.
Borde marcado.

(D) Mastopatía:
Elástica. Superficie lisa.
Borde no marcado.

DESCRIPCIÓN

ESPECIFICACIONES

Tamaño: A20 x P28 x A13 cm
A7.9 x P11 x A5.1 plgds
Peso: 1.3kg / 2.9lbs

CONTENIDO DEL JUEGO

1	modelo de mama (fijo en el estuche)
1	talco en polvo
1	caja de almacenamiento
1	manual de instrucciones

MATERIALES

Líbre de látex
Resina blanda

REPUESTOS

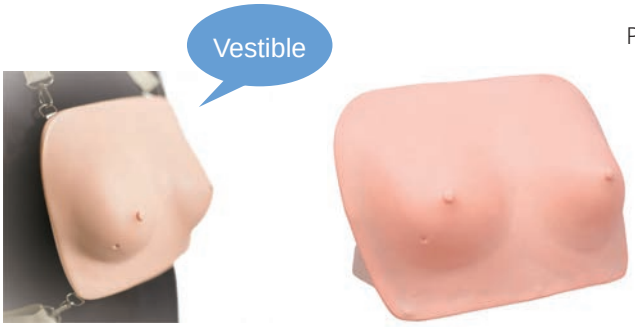
-

M71

Modelo de Autoexamen de Mama -tipo vestible-

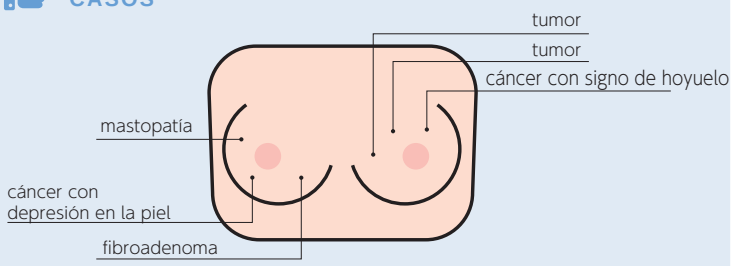
Entrenador de examen de mamas para autoexamen

Practique para detectar y diferenciar 6 bultos diferentes a través del examen visual táctil.



Supervisión del Producto
Tsuneaki Senoh, Prof.,
Kurashiki Medical Center

CASOS



CARACTERISTICAS

1 | Seis signos de tumores mamarios
2 | Una herramienta ideal para la educación de autoexamen de mamas
3 | Tamaño, apariencia y textura realistas

TECNICAS

| Examen de mamas táctil
| Autoexamen de mamas

DESCRIPCIÓN

ESPECIFICACIONES

Tamaño: A28 x P21 x A8 cm
A11 x P8.2 x A3.1 plgds
Peso: 1.05kg / 2.3lbs

CONTENIDO DEL JUEGO

1	modelo de pecho vestible con correas
1	talco en polvo
1	caja de almacenamiento
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

-

INSTRUMENTOS RECOMENDADOS

-

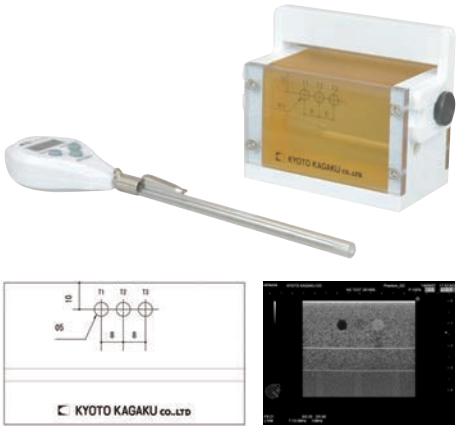
US-4B

Fantoma de Control de Calidad Básico de Ultrasonido

NEW

Excelente para el mantenimiento de rutina de la calidad de imagen de ultrasonido y detectar el envejecimiento de dispositivos y transductores.

Supervisión del Producto
The Japan Association of
Breast and Thyroid Sonology (JABTS)



CARACTERISTICAS

1 | El tamaño compacto permite obtener imágenes en un solo escaneo, ahorrando tiempo y simplificando el proceso.
2 | Para garantizar la verticalidad del haz de entrada, cuenta con dos hilos horizontales en el interior y el marco guía de soporte asegura el transductor en su posición inicial para la prueba.
3 | Para una prueba de calidad básica mensual junto con una garantía de calidad a mayor largo plazo para mantener la coherencia en el rendimiento de los escáneres y transductores.
4 | Longevidad y estabilidad del material del fantoma aseguradas por un proceso de prueba de 5 años.
5 | Se proporciona un termómetro para mantener la temperatura interna del fantoma (23 ° C a 26 ° C).

TECNICAS

| Determinación de la calidad de imagen y el envejecimiento del transductor

PROPIEDADES ACUSTICAS

Velocidad acústica: 1434(±1) m/s a 25℃
Coeficiente de atenuación: 0.59 dB/ cm MHz at 25℃
Impedancia acústica: 1.37 rayl at 25℃
Objetivos integrados: Objetivos en escala de grises de 3 intensidades, a 10mm de profundidad

DESCRIPCION

ESPECIFICACIONES

Tamaño: A10.3 x P5 x A8 cm
A4 x P1.97 x A3.15 plgds
Peso: 0.33kg/ 0.72lbs

CONTENIDO DEL JUEGO

1	fantoma
1	termómetro
1	manual de instrucciones

MATERIALES

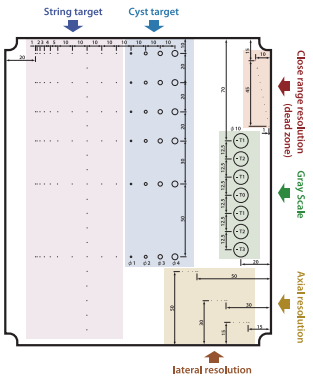
Elastómero de uretano, acrílico, nylon
Libre de látex

US-2

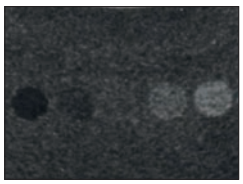
Fantoma para Control de Calidad de Ultrasonido (Fantoma de Objetivos Múltiples N-365)

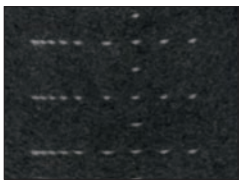
Durable y estable





Util para la evaluación diaria y una investigación más avanzada. La escala de grises para evaluación, objetivos de quiste con cilindros no resonantes, objetivos lineales para evaluación geométrica incluyendo resolución de corta distancia (zona muerta), resolución axial y lateral se han incluido para el escaneo. El fantoma está diseñado para permitir el escaneo desde sus 4 paredes laterales.


Escala de grises


Objetivos de cuerda

DESCRIPCION

ESPECIFICACIONES

Tamaño: 19 x 22 x 7 cm
7.6 x 8.8 x 2.8 plgds
Velocidad acústica: 1432m/s a 25 grados C
Coeficiente de atenuación: 0.57 dB/ cm MHz a 25 grados C
Impedancia acústica: 1.38 rayl a 25 grados C

CONTENIDO DEL JUEGO

1	fantoma
1	caja de transporte

MATERIALES

Elastómero uretano, acrílico, nylon
Libre de látex

INSTRUMENTOS RECOMENDADOS

REPUESTOS

MW48

Simulador de Cuidado Perinatal Integral "Hana"



Sea parte del viaje de Hana como una nueva madre

Maniquí de entrenamiento que cubre desde el periodo gestacional hasta el postnatal.
¡Déjenos ayudarle en su primer paso en el cuidado perinatal!



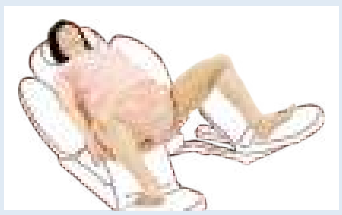
CARACTERISTICAS

1 | Abdomen intercambiable para simular exámenes perinatales, examen de ultrasonido del feto de 23 semanas, examen cervical, parto, desgarro perineal y puerperio.

PUNTOS RELEVANTES



Partes fácilmente intercambiables



Compatible con silla de parto



Durable y realistamente elástico



Anatomía precisa

TECNICAS



Examen Perinatal

Durante el embarazo

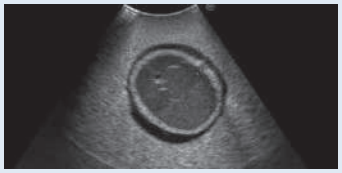
Examen perinatal

| Palpación
Maniobras de Leopold, evaluación de desproporción cefalopélvica
| Feto reposicionable
|Auscultación de los sonidos fetales, con frecuencia cardíaca ajustable de 60 a 180.
| Circunferencia abdominal, altura uterina y pelvimetría externa medibles




Examen de ultrasonido

| Escaneo del feto de 23 semanas
| Evaluación de tamaño fetal usando DBP, CA y LF etc
| Medición del volumen del líquido amniótico
| Determinación de la presentación fetal

Parto

Examen cervical

| 5 tipos de modelo de dilatación cervical
| Determinación de índice de Bishop (índice cervical)
| Chequeo de la posición de cabeza fetal



Durante el parto

| Varias posiciones: Supina, lateral, a cuatro extremidades
| Protección perineal
| Presentaciones cefálica y podálica
| Parto mediante fórceps obstétricos y parto con extracción ventosa
| Amarre y corte del cordón umbilical
| Extracción de la placenta
| Inspección del saco amniótico
| Inserción del catéter urinario




Desgarro perineal

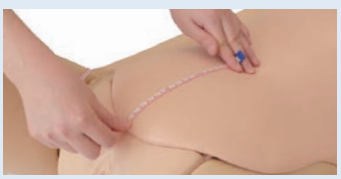
| Perineorrafia:
-sutura simple interrumpida
-sutura colchonera vertical
| Práctica de sutura repetitiva para el desgarro perineal del 1er grado



Puerperio

Evaluación puerperal

| Evaluación de involución uterina en puerperio temprano: 4 variaciones
| Medición y palpación del fondo uterino
| Limpieza y evaluación perineal
| Masaje postparto
| Evaluación de prolapso anal

DESCRIPCION

ESPECIFICACIONES

Tamaño: 164 cm/ 63 plgds Peso: 20 kg / 2.2 lbs

CONTENIDO DEL JUEGO

*Componentes básicos del maniquí. Los módulos de entrenamiento se suministran por separado.

1	maniquí	1	almohadilla de punción (vena media)
1	peluca	1	bolsa de riego
1	máscara para Hana	1	bomba y manguera de drenaje
1	dentadura	1	lubricante para los modelos
1	genitales femeninos	1	talco en polvo
1	ropa de maternidad		manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11229-050	lubricantes para los modelos	11406-040	peluca
11251-030	2 repuestos de almohadilla de IM en hombro	11415-030	unidad genital
11416-040	5 láminas de velamen	11415-010	insertos de dilatación cervical
11416-030	10 cordones umbilicales para onfalotomía		
11417-010	2 insertos genitales	11416-020	placenta
11415-040	lubricante (500ml)		

MW65

NEW

Simulador Avanzado de Parto y Obstetricia

Conjunto completo de cuerpo materno para entrenamiento en técnicas de exámenes vaginales durante el trabajo de parto





Supervisión del Producto: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

CARACTERISTICAS

1 | Su reproducción realista del canal de parto permite un examen pélvico de acuerdo con el progreso del parto.
2 | La capacidad de realizar varias técnicas (posición de McRoberts, método de tornillo de Woods, etc.) en malposición fetal y distocia de hombros lo hace ideal para una variedad de talleres y cursos de capacitación.

TECNICAS

Parto
| Examen pélvico
| Parto normal
| Extracción de placenta y cordón umbilical
| Reproducción y manejo de la distocia de hombros y malposición fetal
| Extracción al vacío
| Parto con forceps
| Parto en posición fetal podálica

Manejo del feto
| Enredo del cordón umbilical
| Pinzamiento y corte de cordón umbilical
| Palpación de las fontanelas anterior y posterior
| Procedimientos de succión a través de la boca y la nariz.

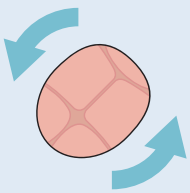
Opcionales (por ser lanzados)
| Al combinar los módulos enumerados a la derecha, una variedad de ejercicios puede llevarse a cabo

CARACTERISTICAS RELEVANTES



Comprobación y comprensión

| El abdomen de la madre se puede girar para comprobar la anatomía y entender el parto
| Reproducción de estructuras anatómicas fieles al cuerpo humano



Rotación fetal
Diseñado para la expulsión del feto y la rotación interna/ externa

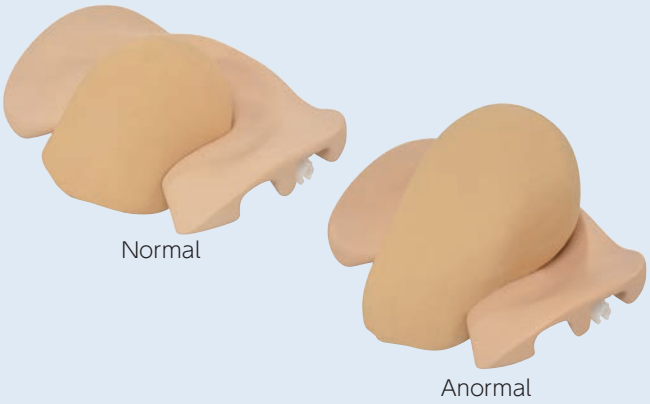


Niveles de dificultad
El tamaño del canal de parto óseo se puede cambiar en 3 niveles.

La combinación de módulos ofrece una variedad de capacitaciones técnicas

Próximamente Módulo de Palpación Uterina Postparto

Para más información, favor de contactarnos.



Palpación del útero postparto y entrenamiento sobre anormalidades

CARACTERISTICAS

1 | Módulo de entrenamiento en palpación uterina postparto
2 | Normal: Extracción manual de la placenta
3 | Anormal: Extracción manual de la placenta
Reproducción de la inversión uterina. Se puede practicar la compresión bimanual.

TECNICAS

| Palpación uterina postparto
| Extracción manual of placenta
| Reproducción de inversión uterina※
| Compresión bimanual※
※Sólo para el módulo anormal



fondo uterino:
16.5㎝ (Normal)
23.5㎝ (Anormal)

ESPECIFICACIONES
Módulo de palpación uterina postparto
Tamaño: A30 × P20 × A10 ㎝ (Normal)
A30 × P20 × A15 ㎝ (Anormal)
Peso: 1.5Kg

MATERIALES
Resina blanda
Resina dura

CONTENIDO DEL JUEGO
Palpación uterina postparto 1
Módulo:
Normal 1 / Anormal 1
Restos de placenta 1

Supervisión del Producto: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

Próximamente Módulo de Citología Cervical (Papanicolau)

Para más información, favor de contactarnos.



Capacitación en Citología Cervical e Interna
Exámenes pélvicos durante el período preparto

CARACTERISTICAS

1 | Procedimientos de examen citológico se pueden simular utilizando instrumentos reales
2 | El descenso de la cabeza del bebé se puede reproducir girándola en tornillo para realizar el procedimiento de palpación

TECNICAS

| Prueba de Papanicolaou
| Palpación del descenso fetal en el período preparto

ESPECIFICACIONES
Tamaño: A18 × P25 × A15 ㎝
Peso: 1.5Kg

MATERIALES
Resina blanda
Resina dura

CONTENIDO DEL JUEGO
Módulo Uterino: 1

Supervisión del Producto: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

Próximamente Fantoma de Examen de Ultrasonido Fetal

Para más información, favor de contactarnos.



Reproducción elaborada de un feto normal a las 23 semanas.
Posición y orientación fetal cambiables.
Fantoma de entrenamiento para examen por ultrasonido.

DESCRIPCIÓN

ESPECIFICACIONES

Cuerpo materno (con cubierta de piel)
Tamaño: A52 × P50 × A35 ㎝ (cuerpo)
Peso: 12Kg (con el feto y la placenta)

MATERIALES

Resina blanda
Resina dura

CONTENIDO DEL JUEGO

1	cuerpo materno	5	láminas de velamen
1	cubierta de piel	1	lubricante (150ml)
2	grapas	1	bote para lubricante
1	feto	1	talco en polvo
1	placenta	1	toalla
1	cordón umbilical	1	Manual de instrucciones
3	cordones umbilicales para onfalotomía		

MW34

Simulador de Examen Obstétrico

Simule el chequeo prenatal usando nuestro simulador de embarazo de 39 a 40 semanas
Palpación, auscultación y medición: todo en un sólo simulador









CARACTERISTICAS

1 | Suave, durable y sentido táctil realista
2 | Varias posiciones y orientaciones fetales rotando la unidad fetal
3 | Sonidos cardíacos fetales reales grabados y editados

PUNTOS DE REFERENCIA

| sínfisis púbica
| ombligo
| apófisis xifoide
| cresta iliaca
| trocánteres mayores

CARACTERISTICAS CLAVE

Auscultación



Se puede seleccionar los sonidos con un control remoto para una práctica conveniente y eficiente.
Los sonidos cardíacos fetales grabados se pueden escuchar con un estetoscopio o con parlante externo para las sesiones grupales.

Cinco variaciones de sonido:
Sonidos de estetoscopio
- Sonidos cardíacos fetales

Sonidos Doppler
- Sonidos cardíacos fetales
- Flujo sanguíneo umbilical
- Flujo sanguíneo umbilical y sonidos cardíacos fetales (posterior y anterior)

*Los sonidos Doppler serán escuchados a través del parlante externo.

Parámetros controlables
Control de la frecuencia cardíaca fetal (60-180)
Cambio entre los parlantes interno y externo

DESCRIPCION

ESPECIFICACIONES
Tamaño: A30 x P60 x A30 cm/ A11.8 x P23.6 x A11.8 plgds Peso: 11.2 kg / 24.7 lbs

CONTENIDO DEL JUEGO

1	torso materno
1	adaptador CA
1	control remoto
1	talco en polvo
1	manual de instrucciones
1	toalla

MATERIALES
Resina blanda
Libre de látex

REPUESTOS
11414-010 cubierta de piel para MW34

INSTRUMENTOS RECOMENDADOS
-

CARACTERISTICAS CLAVE

Palpación

Palpación de los puntos de referencia de pélvis y feto anatómicamente correctos
¡Material innovador similar al tejido real!

■ Maniobras de Leopold

| Palpe las partes del feto, como la cabeza, nalgas y tronco usando las maniobras de la primera a la cuarta.

| Determine la posición y orientación fetales, así como el grado de descenso fetal.

Primera maniobra



Cuarta maniobra

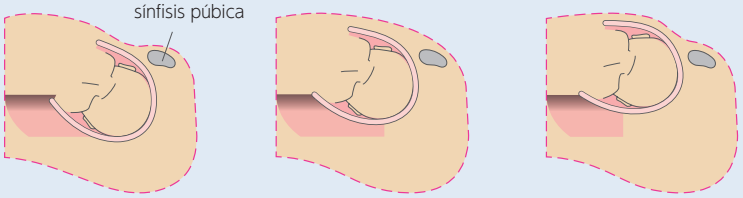


■ Evaluación de Desproporción Cefalopélvica

Practique múltiples escenarios de evaluación de DCP. La altura de la cabeza fetal contra la sínfisis púbica se puede cambiar rotando la unidad fetal.







Mediciones

Mida y estime el peso fetal, su desarrollo, y volumen del líquido amniótico.

Circunferencia abdominal materna



Altura uterina



Variedad de pelvimetrías externas



Diámetro biespinoso



Diámetro bicrestal



Diámetro bitrocantéreo



Diámetro oblicuo externo

MW40

Simulador para Entrenamiento Obstétrico -set completo-

Set completo de cuerpo materno para entrenamiento de técnicas de examen vaginal y asistencia al parto



CARACTERISTICAS

1 | Los genitales externos están hechos de un material innovador que destaca en elasticidad, durabilidad y resiliencia para un entrenamiento repetitivo y efectivo.

TECNICAS

| Examen cervical
| Asistencia de parto
| Perineorrafia (reparación perineal)

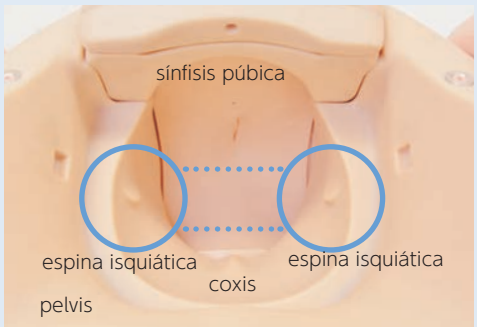
CARACTERISTICAS CLAVE

Los genitales externos están hechos de nuestro material inovador que destaca en elasticidad, durabilidad y resiliencia para el entrenamiento repetitivo y efectivo.



PUNTOS DE REFERENCIA

| velamen (saco amniótico)
| canal vaginal
| espinas isquiáticas
| sínfisis púbica
| coxis
| fontanela anterior



CARACTERISTICAS CLAVE

Examen Cervical

5 tipos del modelo de dilatación cervical y posiciones de descenso fetal se pueden intercambiar fácilmente.





- Indice cervical en la primera etapa del parto
  -Determinación de la estación usando los puntos de referencia de espinas isquiáticas y unión púbica para evaluar el descenso del feto
  -Evaluación de la dilatación cervical
- Examen de especulo
- Observación y citología cervical
- Cateterización urinaria

Asistencia de Parto

Parto fluido y realista










- Asistencia de parto en diferentes posiciones (dorsal y a cuatro extremidades)
- Protección perineal
- Expulsión del feto (parto con fórceps, parto con extracción ventosa)
- Pinzamiento, amarre y corte del cordón umbilical
- Extracción de la placenta
- Inserción de catéter urinario

Perineorrafia (Reparación perineal)

Entrenamiento repetitivo de la sutura para el desgarro perineal de primer grado



Reparación del desgarro perineal de primer grado

- Sutura simple interrumpida
- Sutura colchonera vertical

DESCRIPCIÓN

ESPECIFICACIONES

Tamaño: A74 x P44 x A33.5cm / A29.1x P17.3 x A13.2 plgds Peso: 11.2kg / 24.7lbs

MATERIALES

Resina blanda
Libre de látex

CONTENIDO DEL JUEGO

1	cuerpo materno
1	unidad genital (para examen cervical y asistencia de parto)
1	talco en polvo
1	lubricante (500ml)
1	manual de instrucciones
1	toalla

Partes para Examen Cervical:

1	unidad vaginal
1	set de insertos dilatación cervical (5 variationes)
1	portador para insertos de dilatación cervical

Partes para Asistencia de Parto:

1	feto
1	placenta
3	cordones umbilicales para onfalotomía
1	bandeja
5	láminas de velamen

Partes para Perineorrafia:

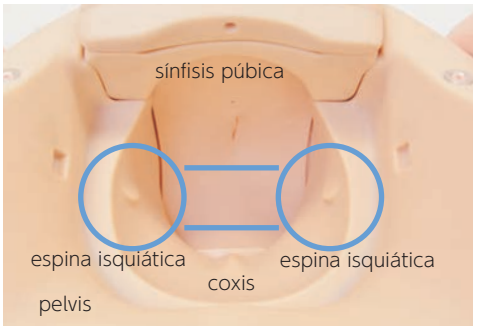
1	unidad genital (para perineorrafia)

MW35

Simulador de Examen Cervical

Material realista y durable para prácticas repetitivas de determinación del índice de dilatación cervical





Estación cero, la línea que conecta entre las espinas isquiáticas se puede reconocer.

CARACTERISTICAS

1 | Área genital hecha de material inovador que destaca en elasticidad, durabilidad y resiliencia ofrece la oportunidad de un entrenamiento repetitivo.
2 | 5 modelos de dilatación cervical y posiciones de descenso fetal se pueden intercambiar fácilmente.
3 | Fontanelas anterior/posterior para determinar la posición fetal

TECNICAS

- Determinación del índice cervical en las primeras etapas del parto
- Revisar la posición de la cabeza fetal
- Determinación del índice de Bishop (índice cervical)
- Examen de espéculo (prueba de Papanicolau etc)
- Cateterización urinaria
- Citología cervical

CARACTERISTICAS CLAVE



El modelo de dilatación cervical se puede ajustar fácilmente.



El descenso fetal se puede ajustar con la perilla del portador (de -3 a +3).



Los genitales externos destacan en elasticidad, durabilidad y resiliencia.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A74 x P44 x A33.5 cm
A29 x P17 x A13 plgds

Peso: 10.3 kg / 22.7 lbs

CONTENIDO DEL JUEGO

1	cuerpo materno	1	lubricante (500 ml)
1	unidad genital	1	talco en polvo
1	unidad vaginal	1	manual de instrucciones
1	set de insertos dilatación cervical (5 unidades)	1	toalla
1	portador para los insertos de dilatación cervical		

MATERIALES

Resina blanda, plástico duro
Líbre de látex

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11415-010	1 set de insertos de dilatación cervical (5 variaciones)
11415-040	1 lubricante (500 ml)
11415-030	1 unidad genital (para examen cervical y asistencia de parto)

PARTES OPCIONALES

11416-020	placenta
11416-100	módulo de parto vaginal
11418-100	módulo de involución uterina

MW36

Simulador de Asistencia de Parto Vaginal

Simula el parto del neonato desde la protección perineal hasta la extracción de la placenta




Protección perineal, protección de esfínter anal


Asistencia de parto


Extracción fluida del neonato


Pinzamiento, amarre y corte del cordón umbilical


Extracción de placenta


Inspección de placenta y velamen

CARACTERISTICAS

1 | Área genital hecha de material inovador que destaca en elasticidad, durabilidad y resiliencia, ofreciendo la oportunidad de un entrenamiento repetitivo.
2 | Canal vaginal, espina isquiática y unión púbica anatómicamente correctos que facilitan el entrenamiento con un buen entendimiento anatómico.
3 | Los genitales externos elásticos, la forma realista del canal vaginal y su manija de sujeción del cuerpo materno facilitan la simulación de un parto fluido.

TECNICAS

- Asistencia de parto para diferentes posiciones de parto (dorsal, a cuatro extremidades)
- Protección perineal
- Parto del feto (con forceps, o con extracción ventosa)
- Pinzamiento, amarre y corte del cordón umbilical
- Extracción de la placenta
- Inserción de catéter urinario
- Inspección de velamen

CARACTERISTICAS CLAVE



Entrenamiento de técnicas asociándolas con su entendimiento anatómico

La posición del feto a la pélvis se puede observar bajo una visión directa durante el parto.

Dos posiciones de parto posibles

Posición dorsal
Posición a cuatro extremidades

DESCRIPCION

ESPECIFICACIONES

Tamaño: A74 x P44 x A33.5 cm
A29 x P17x A13 plgds

Peso: 11.2kg / 24.7 lbs

CONTENIDO DEL JUEGO

1	cuerpo materno
1	unidad genital (para examen cervical y asistencia de parto)
1	feto
1	placenta
1	cordón umbilical
3	cordones umbilicales para onfalotomía
1	talco en polvo
5	láminas de velamen
1	lubricante (500 ml)
1	bandeja
1	manual de instrucciones
1	toalla

MATERIALES

Resina blanda, plastico duro
Libre de látex

REPUESTOS

11415-030	1 unidad genital
11416-020	1 placenta
11416-040	5 láminas de velamen
11416-030	10 cordones umbilicales para onfalotomía
11415-040	1 lubricante (500 ml)

PARTES OPCIONALES

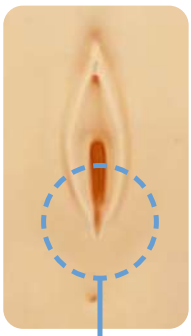
11417-020	unidad genital (marco, piel)
11416-100	módulo de parto vaginal
11418-100	módulo de involución uterina

MW37

Simulador de Perineorrafia

Practique repetitivamente la reparación del desgarro perineal de primer grado





Desgarro perineal de primer grado



CARACTERISTICAS

1 | Entrenamiento de sutura para el desgarro perineal de primer grado
2 | Area genital que destaca en elasticidad, durabilidad y resiliencia para múltiples oportunidades de entrenamiento
3 | Unidad genital opcional para entrenamiento con el cuerpo materno

TECNICAS

| Perineorrafia (reparación perineal)
-Sutura simple interrumpida
-Sutura colchonera vertical

CARACTERISTICAS CLAVE



La piel genital se puede montar en la unidad genital (parte opcional) para un entrenamiento realista con el cuerpo materno.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A16 x P23 x A20.5 cm
A6.3 x P9 x A8 plgds

Peso: 1.5 kg / 3.3 lbs

CONTENIDO DEL JUEGO

1	inserto genital
1	portador de soporte
1	talco en polvo
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11417-010 2 insertos genitales (perineorrafia)

* Los instrumentos de sutura no están incluidos.

MW38

Simulador de Evaluación de Involución Uterina

Practique una evaluación de involución uterina altamente realista con un torso de postparto suave, durable y elástico





Palpación del fondo uterino



Medición de altura uterina

CARACTERISTICAS

1 | La pared abdominal suave y elástica permite una palpación realista para evalular el grado de involución uterina y para medir la altura uterina.

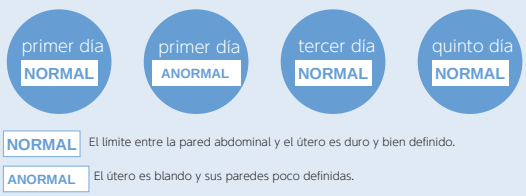
2 | Cuatro insertos intercambiables

TECNICAS

- Evaluación del útero en el puerperio temprano
- Medición de la altura uterina
- Palpación del fondo uterino
- Lavado y evaluación perineal
- Masaje de postparto
- Evaluación del prolapso anal

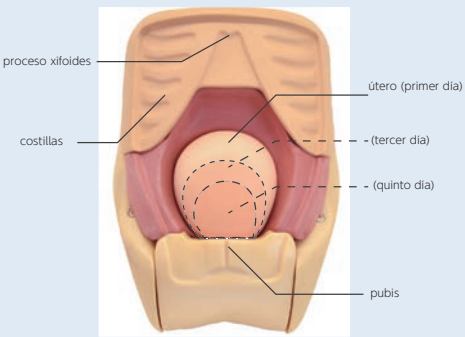
CARACTERISTICAS CLAVE

4 variaciones de insertos uterinos



NORMAL El límite entre la pared abdominal y el útero es duro y bien definido.

ANORMAL El útero es blando y sus paredes poco definidas.



PUNTOS DE REFERENCIA

- sínfisis púbica
- ombligo
- útero

DESCRIPCION

ESPECIFICACIONES

Tamaño: A28 x P42 x A26 cm Peso: 7.4kg / 16.3 lbs
A11 x P16.5 x A10.2 plgds

CONTENIDO DEL JUEGO

1	torso inferior puerperal
1	set de insertos uterinos (4 variaciones)
1	talco en polvo
1	manual de instrucciones
1	toalla

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11418-010 1 cubierta de piel (para evaluación de involución uterina)
11418-020 1 set de insertos uterinos (4 variaciones)

MW32

Simulador de RCPN

Maniquí que facilita el entrenamiento de Reanimación Cardio-Pulmonar del Neonato




Palpación de la fontanela anterior


Cuidado del cordón umbilical
(una vena y dos arterias)
Cateterización umbilical y muestreo de sangre


Alimentación por sonda (nasal y oral)
Confirmación de colocación del tubo con sonidos de burbujeo


Succión de la vía aérea (nasal y oral)


Compresiones torácicas


Intubación endotraqueal
(Confirmación de la ventilación unilateral/bilateral)


Ventilación de BVM
(levantamiento del pecho)

CARACTERISTICAS

1 | Entrenamiento del manejo de las vías aéreas con ventilación bilateral/unilateral observable
2 | Cordón umbilical suave y realista que permite la colocación de línea venosa y arterial, y recolección de muestras sanguíneas
3 | Colocación de la sonda de alimentación verificable por la aspiración del líquido gástrico
4 | Compresiones torácicas

TECNICAS

Cuidados básicos neonatales

| Cambiar la posición del cuerpo
| Higiene
| Palpación de la fontanela anterior
| Cateterización umbilical
| Cuidado del cordón umbilical
| Alimentación por sonda (nasal y oral) y aspiración del líquido gástrico
| Pinzamiento, amarre y corte del cordón umbilical
| Succión (nasal y oral)

Simulación de Emergencias

| Compresiones torácicas
| Intubación endotraqueal
| BVM ventilation

*Este producto no está diseñado para ser bañado.

ANATOMIA

| costillas
| bronquios
| pulmones
| estómago
| esófago
| cordón umbilical

DESCRIPCION

ESPECIFICACIONES

Tamaño: 50 cm / 19.6 plgds Peso: 2.6kg / 5.7 lbs

CONTENIDO DEL JUEGO

1	maniquí de neonato
1	lubricante
1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11400-010 1 máscara para MW21, MW32
11400-020 1 piel torácica para MW21, MW32
11400-030 4 cordones umbilicales para MW21, MW32
11229-050 1 lubricante

INSTRUMENTOS RECOMENDADOS

Tubo de alimentación: 5fr.
Catéter de succión: 5fr.
Tubo endotraqueal: 3.0mm ID
Catéter umbilical: 5fr., 30cm
Laringoscopio: #0
BVM: neonatal

* Los instrumentos no están incluidos.

MW21B

Simulador de RCPN Plus II







Inserción de catéter intravenoso
(localización de la vena con transiluminador)

Funciones de PICC e Inserción de CIV añadidas al Simulador RCPN estándar

CARACTERISTICAS

1 | Transiluminación de la mano y pie derechos para inserción de CIV
2 | Venas accesibles en la mano y pie derechos para inserción del catéter

TECNICAS

En adición al Simulador RCPN, el Simulador RCPN Plus incluye: acceso IV con guía de transiluminación.

Venas accesibles:

| vena basílica del brazo derecho | vena safena de la pierna derecha
| vena dorsal de la mano derecha | vena poplítea de la pierna derecha

*Este producto no está diseñado para ser bañado.

DESCRIPCION

ESPECIFICACIONES

Tamaño: 50 cm / 19.6 plgds
Peso: 2.6kg / 5.7 lbs

CONTENIDO DEL JUEGO

1	maniquí de neonato
1	lubricante
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11400-010	máscara
11400-020	piel torácica
11400-030	cordón umbilical
11400-040	1 piel del brazo derecho
11400-050	1 piel de la pierna derecha
11400-310	4 tubos venosos para el brazo derecho
11400-320	4 tubos venosos para la pierna derecha
11400-080	abdomen
11388-400	10 palillos de sangre simulada (tipo hisopo)
11229-050	lubricante

INSTRUMENTOS RECOMENDADOS

Tubo de alimentación: 5 fr.
Catéter de succión: 5 fr.
Tubo endotraqueal: 3.0mm ID
Catéter venoso periférico: 28G x 30 cm
Catéter umbilical: 5fr., 30cm
Laringoscopio: #0
BVM: neonatal

* Los instrumentos no están incluidos.

MW33

Simulador de Infante EBPN









El modelo de neonato con extremadamente bajo peso al nacer ofrece la oportunidad de practicar las técnicas fundamentales de UCIN

CARACTERISTICAS

1 | Infante masculino de gestación de 26 - 29 semanas con peso de 900g
2 | Entrenamiento de reanimación incluyendo compresiones torácicas e intubación endotraqueal
3 | Suavidad y delicadeza como un neonato real
4 | Cabeza y cuello articulados

TECNICAS

| Manejo del cuerpo, cuidados higiénicos en la incubadora
| Evaluación y medición de todo el cuerpo
| Colocación del tubo orogástrico y nasogástrico
| Inserción de catéter urinario
| Ventilación de Bolsa Válvula Mascarilla
| Compresiones torácicas
| Intubación endotraqueal
| CPAP nasal

ANATOMIA

| bronquios
| esófago
| stómago
| cabeza y cuello articulados

*Este producto no está diseñado para ser bañado.

DESCRIPCION

ESPECIFICACIONES

Tamaño: 35cm / 13.7 plgds
Circunferencia de cabeza: 28cm / 11 plgds
Peso: 0.9kg / 2 lbs

CONTENIDO DEL JUEGO

1	maniquí de infante de EBPN
1	lubricante
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11413-010	1 máscara para MW33
11229-050	1 lubricante

INSTRUMENTOS RECOMENDADOS

Tubo de alimentación: 3fr.
Catéter de succión: 3fr.
Tubo endotraqueal: 2.0 - 2.5mm ID
Laringoscopio: #00
Catéter urinario: 6fr.
BVM: neonatal (pequeña)

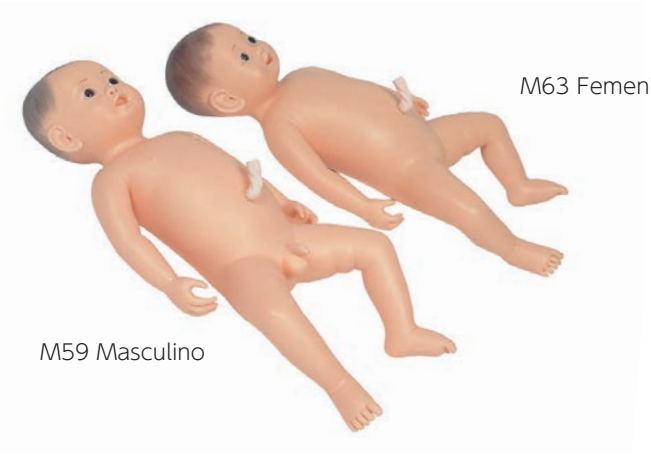
* Los instrumentos no están incluidos.

M59/M63

Modelo para Baño y Cuidados del Neonato

Maniquí de neonato suave y sin uniones superficiales para el entrenamiento técnico

Infante de tamaño de 0 - 4 semanas, con peso y equilibrio semejantes a los neonatos reales



M63 Femenino

M59 Masculino

CARACTERISTICAS

1 | Flexibilidad del cuello no rígido
2 | Fontanelas anterior y posterior palpables
3 | Extremidades flexionables y estirables
4 | Estructura impermeable sin uniones y de una pieza
5 | Cordón umbilical removible

TECNICAS

| Baño
| Cuidado del cordón umbilical
| Alimentación con biberón
| Cuidado de oído y nariz
| Cambio de pañal y ropa
| Medición física

DESCRIPCION

ESPECIFICACIONES

Tamaño: 50 cm / 19.6 plgds Peso: 3 kg / 6.6 lbs
Circunferencia de cabeza: 33 cm / 13 plgds

CONTENIDO DEL JUEGO

1	maniquí de neonato
1	cordón umbilical
1	biberón
1	ropa de bebé
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11258-080 Cordón umbilical

INSTRUMENTOS RECOMENDADOS

-

M58

Simulador de Examen de Signos Vitales Neonatales

Maniquí de neonato de tamaño real para examen básico de los signos vitales

Supervisión del Producto
Keiko Takahashi, professor
College of Nursing Science,
Fukui Prefecture University

CARACTERISTICAS



1 | Pulsos arteriales en muñeca, cuello y sienes
2 | Sonidos cardíacos grabados de pacientes reales y sincronizados con los pulsos arteriales.
3 | Todos los signos vitales pueden ser controlados con la unidad de control.

TECNICAS

Examen de signos vitales
| Sonidos cardíacos
| Respiración
| Pulsos: arterias superficiales temporales, carótidas y radiales (bilaterales)
| Temperatura corporal (termometría rectal)

DESCRIPCION

ESPECIFICACIONES

Tamaño: 50cm / 19.6 plgds
Peso: 1.1kg / 2.4 lbs

Voltaje: AC100-240V
Consumo de energía: 30W

CONTENIDO DEL JUEGO

1	maniquí de neonato
1	caja de control
1	termómetro
1	ropa de bebé
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

-

INSTRUMENTOS RECOMENDADOS

-

M86

Modelo de Atención de Paciente Pediátrico (5-6 años)



Modelo de tamaño natural de una niña de 5 a 6 años

El compañero de entrenamiento ideal para la atención de enfermería pediátrica.

CARACTERISTICAS

1 | Movimiento natural de las articulaciones
2 | Variedad de posiciones del paciente
3 | Mantenimiento de la posición del paciente
4 | Estructura impermeable de una sola pieza sin costuras
5 | Tacto suave y realista de la piel

TECNICAS

| Técnica de inmovilización
| Fijación de aguja mariposa
| Cambio de ropa del paciente con catéteres conectados
| Carpa de oxígeno
| Cambio de posición del cuerpo
| Cambio de ropa, baño en cama

DESCRIPCION

ESPECIFICACIONES

Tamaño: 98 cm / 38.6 inch
Peso: 7.7 kg / 16.9 lbs
Circunferencia de la cabeza: 33 cm / 13 inch

MATERIALES

Resina blanda, marco metálico interno
Líbre de látex

CONTENIDO DEL JUEGO

1	maniquí pediátrico
1	pijama
1	manual de instrucciones

M73

Modelo de Atención de Paciente Pediátrico (7-10 meses)



Modelo de tamaño natural de una bebé de 7 a 10 meses

CARACTERISTICAS

1 | Movimiento natural de las articulaciones
2 | Variedad de posiciones del paciente
3 | Estructura impermeable de una sola pieza sin costuras
4 | Tacto suave y realista de la piel

TECNICAS

| Técnica de inmovilización
| Fijación de aguja mariposa
| Cambio de ropa del paciente con catéteres conectados
| Carpa de oxígeno
| Cambio de posición del cuerpo
| Cambio de ropa, baño en cama

DESCRIPCION

ESPECIFICACIONES

Tamaño: 70 cm / 27.5 plgds
Peso: 5.6 kg / 12.5 lbs
Circunferencia de Cabeza 33 cm / 13 plgds

MATERIALES

Resina blanda, marco metalico interno,
Líbre de látex

CONTENIDO DEL JUEGO

1	maniquí pediátrico
1	pijama
1	manual de instrucciones

M56B

Simulador de Atención de Paciente Pediátrico (7-8 años)

Un maniquí de paciente pediátrico completo para atención diaria y de largo plazo

Ofrece una variedad de características para practicar las técnicas esenciales y simula los escenarios de atención al paciente pediátrico para enfermeros y cuidadores.

Supervisión del Producto
Medical Association of Osaka Prefecture
Pediatric Medical Care Exploratory Committee



CARACTERISTICAS

1 | Modelo de tamaño realista de 6 años de edad
2 | Capaz de sentarse en posición supina sin soporte
3 | Succión de vías aéreas oral, nasal y traqueal, genitales intercambiables femeninos y masculinos para entrenamiento de cateterización

TECNICAS

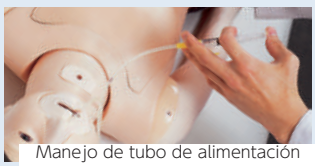
| Posicionamiento
| Manejo del paciente
| Aspiración de vías aéreas:
oral, nasal o a través de abertura de traqueotomía
| Cuidado de Gastrostomía Endoscópica Percutánea (GEP)
| Manejo de sonda de alimentación
| Cateterización masculina y femenina

IMAGENES

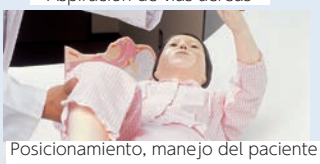

Aspiración de vías aéreas


Aspiración de vías aéreas


Aspiración de vías aéreas


Manejo de tubo de alimentación


Cuidado GEP


Posicionamiento, manejo del paciente


Cateterización masculina y femenina


Entendimiento anatómico

DESCRIPCION

ESPECIFICACIONES

Tamaño: 125cm / 49.2 plgds Peso: 13kg / 28.6lbs

CONTENIDO DEL JUEGO

1	maniquí pediátrico	1	entrenador de venopunción IV colgable
1	placa anatómica de cabeza y cuello	1	uniforme (ropa para gym)
1	genitales masculinos y femeninos	1	set de catéteres (muestras)
1	jeringa	1	lubricante
1	bolsa de riego	1	manual de instrucciones

MATERIALES

Resina blanda, resina dura
Libre de látex

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11355-020 panel explicativo de cabeza
11355-030 válvula de cateterización
11355-040 parte de repuesto de boca / nariz

* Los instrumentos no están incluidos.

M95

Simulador de Mano Pediátrica para Punción IV







Set de manos pediátricas para practicar la Punción IV

Adquiera confianza en la inserción de vía intravenosa en manos de infantes pequeñas con venas finas y blandas

CARACTERISTICAS

1 | Los dedos y dorso de la mano son flexibles, capaces de ser empuñados y reposicionables como en los procedimientos reales
2 | Dos sitios de punción en el dorso de la mano
3 | Practique fijar y asegurar la cánula

TECNICAS

| Inyección en las venas dorsales pediátricas
| Recolección de sangre
| Infusión intravenosa

DESCRIPCION

ESPECIFICACIONES

Tamaño: A18 x P30 x A9.5 cm / A7.1 x P11.8 x A3.7 plgds (un año de edad)
A18 x P36 x A10 cm / A7.1 x P14.2 x A3.9 plgds (tres años de edad)

Peso: 0.6 kg / 1.3 lbs (un año de edad)
0.7 kg / 1.5 lbs (tres años de edad)

Voltaje: AC100-240V
Consumo de energía 5W

MATERIALES

Resina blanda, resina dura
Libre de látex

CONTENIDO DEL JUEGO

2	brazo-mano para inyección (1 año edad)
2	brazo-mano para inyección (3 años edad)
2	soportes
1	bomba de circulación
10	palillos colorantes rojos (tipo hisopo)
1	cuchara
1	jarra de plástico
1	recipiente de plástico
1	caja de almacenamiento
1	manual de instrucciones

REPUESTOS

11350-010 1 repuesto de brazo-mano para inyección (3 años de edad)
11350-020 1 repuesto de brazo-mano para inyección (1 año de edad)
11388-400 palillos colorantes rojos (tipo hisopo)

INSTRUMENTOS RECOMENDADOS

aguja residente: 23G
aguja mariposa: 23G

* Las agujas no están incluidas.

M43D

Simulador de Punción Lumbar Pediátrica II

Adquiera las técnicas de punción lumbar pediátrica segura

Todo el cuerpo es blando y flexionable para facilitar el posicionamiento del cuerpo realista requerido para una punción lumbar segura y exitosa.



Supervisión del Producto

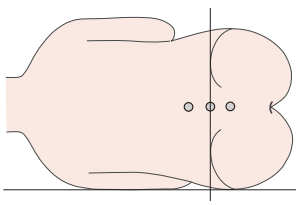
Takahiro Amano, M.D.
Vice President
Senior Vice-Dean, Postgraduate School
Professor and Director, Center of Postgraduate Medical Education International University of Health and Welfare,
Honorary Director, Sanno Medical Center

Gregory A. Plotnikoff, M.D., M.T.S., F.A.C.P.
Medical Director, Abbott Northwestern Hospital

CARACTERISTICAS

1 | Maniquí de bebé blando sin juntas permite la práctica de posicionamiento y sostenimiento seguros del paciente.
2 | Dos tipos de almohadillas de punción: profundo y poco hondo
3 | Resistencia realista a la punta de la aguja
4 | Puntos de referencia anatómicamente correctos para palpación

Nivel de las crestas ilíacas postero-superiores



TECNICAS

| Posicionamiento del paciente
| Palpación de los puntos de referencia
| Punción lumbar y recolección de LCR
| Medición de presión de LCR

DESCRIPCION

ESPECIFICACIONES

Tamaño: A43 x P34 x A20 cm
A17 x P13.4 x A7.8 plgds

Peso: 1.5 kg / 3.3 lbs

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

Aguja espinal: 22G-24G

CONTENIDO DEL JUEGO

1	maniquí de bebé (7-10 meses)
2	bloque de PL pediátrica (poco profundo)
2	bloque de PL pediátrica (profundo)
1	bolsa de riego
1	portasueros para bolsa de riego
1	aguja (50mL)
1	manual de instrucciones

REPUESTOS

11348-100-04 portasueros para bolsa de riego
11348-100-05 bolsa de riego
11348-410 2 bloques de PL pediátrica (poco profundo)
11348-420 2 bloques de PL pediátrica (profundo)

* Las agujas no están incluidas.

MW57

Entrenador de Auscultación Pulmonar Pediátrico

Adquiera familiaridad con las características particulares de pacientes pediátricos.
Adquiera habilidades clínicas en acción.



Foto en colaboración con el Hospital Iizuka

CARACTERISTICAS CLAVE

Operación inalámbrica de múltiples unidades

Operación inalámbrica de hasta cinco unidades desde una tableta



Descripción detallada de los casos

Características de los sonidos pulmonares pediátricos y consejos sobre auscultación



CARACTERISTICAS

1 | La frecuencia respiratoria es ajustable entre 15 y 50 respiraciones por minuto
2 | Las frecuencias cardíacas se ajustan automáticamente de acuerdo con las frecuencias respiratorias
3 | La propagación de sonidos en el tórax es una característica crucial de los pacientes pediátricos
4 | El torso está diseñado para representar a un paciente de 1 a 5 años.
5 | Con base en el análisis acústico de los sonidos pulmonares registrados, cada uno se clasifica de acuerdo con los Estándares de la Sociedad Torácica Estadounidense

TECNICAS

| Aprenda la técnica básica de auscultación de sonidos pulmonares
| Reconozca sonidos adventicios.
| Conozca la información del caso con imágenes de rayos X

DESCRIPCION

ESPECIFICACIONES

Tamaño: A39 × P39 × A98 cm
Peso: 35kg

Voltaje: AC100V-240V 50/60Hz
Consumo de energía: 180W

CONTENIDO DEL JUEGO

1	unidad de torso pediátrico (con parlante externo)
1	Tableta de control
1	accesorios
1	camiseta tamaño pediátrico
1	manual de instrucciones

Producto		MW26 Simulador de Atención Básica de Paciente "KEIKO"		MW25 Simulador de Atención de Paciente "YAYE"		MW22 Simulador de Atención de Paciente "Cherry"	
Apariencia							
Especificaciones	Tamaño	Aprox. 150cm (59 plgds)		Aprox. 150cm (59 plgds)		Aprox. 163 cm (64 plgds)	
	Peso	Aprox. 15kg (33lb)		Aprox. 17kg (37.5lb)		Aprox. 12.7kg (28.2lb)	
	Edad/Sexo	Adulto Mayor Masculino/Femenino		Jóven Masculino/Femenino o Adulto Mayor Masculino/Femenino		Jóven Masculino/Femenino	
	Tipo de peluca	✓	Peluca normal: incluida Peluca para lavado y secado: Opcional	H	Peluca Jóven (Negra): Incluida Peluca Adulto Mayor (Gris): Opcional	x	
	Tipo de máscara	x		H	Máscara Jóven: Incluida Máscara Adulto Mayor: Opcional	x	
ANATOMIA	Anatomías excluidas	x	Estómago (opcional), Vagina, Pulmones, Costillas			x	Vagina, Pulmones, costillas
	Anatomías incluidas	✓	Globos Oculares, Cavidad Oral, Cavidad Nasal, Esófago,Recto, Bronquios, Oídos	✓	Globos Oculares, Cavidad Oral, Cavidad Nasal, Esófago, Estómago, Vagina, Recto, Pulmones, Costillas, Bronquios, Oídos	✓	Globos Oculares, Cavidad Oral y Nasal, Esófago, Estómago, Recto, Bronquios, Oídos
Habilidades a Entrenar							
Técnicas Básicas	Posicionamiento y cuidados básicos	✓	Posicionamiento, Articulaciones, Cambio de Ropa, Baño en Cama, Baño Parcial, Cuidado del Cabello	✓	Posicionamiento, Articulaciones, Cambio de Ropa, Baño en Cama, Baño Parcial, Cuidado del Cabello	✓	Posicionamiento, Articulaciones, Cambio de Ropa, Baño en Cama, Baño Parcial, Cuidado del Cabello
Alimentación	Alimentación por sonda: Inserción de Catéter	✓		✓		✓	
	Alimentación por sonda: Administración de suplemento alimenticio	x		✓		✓	
	Bombeo estomacal	x		✓		✓	
	Cuidado de GEP	L		x		H	
	Cuidado de traqueotomía	✓		✓		✓	
Cuidado Oral	Cuidado oral	✓	Usando protector oral para aspiración	✓		✓	
	Cuidado dental	✓		✓		✓	
Respiración	Inhalación de oxígeno	✓		✓		✓	
	Aspiración de la vía aérea	✓	Usando protector oral para aspiración	✓		✓	
Manejo de Vía Aérea	Manejo de vía aérea	x		✓		x	
	Máscara laríngea	x		✓		x	
	Apoyo a la intubación	x		H	Permite confirmar la ventilación en ambos pulmones	x	
Emergencia	RCP	x		✓		x	
Majeno de Excreciones	Cateterización urinaria	✓	Sin usar agua en el entrenamiento	✓	Genitales Masculinos: Opcionales	✓	Sin usar agua en el entrenamiento
	Otros cuidados	✓	Práctica de Bacinilla, Cuidado de Estoma, Cuidado Perineal	✓	Práctica de Bacinilla, Cuidado de Estoma, Irrigación Intestinal, Extracción de Heces, Cuidado Perineal	✓	Práctica de Bacinilla, Cuidado de Estoma, Irrigación Intestinal
	Cuidado de úlceras por presión	H	Omóplato / Trocanter Mayor / Sacro / Talón	✓	Sacro	H	Omóplato / Trocanter Mayor / Sacro / Talón
	Cuidado de heridas	x		x		✓	Almohadilla con herida en área abdominal
Inyecciones e Infusión	Inyección intravenosa: Dorso de la mano	x		✓		x	
	Recolección de sangre	x		✓		L	
	Inyección subcutánea	x		✓	Usando la almohadilla de inyección	✓	Usando la almohadilla de inyección
	Inyección intramuscular	x		✓	Usando la almohadilla de inyección	✓	Usando la almohadilla de inyección
	Infusión	x		✓		x	
	Cuidado de NPT	x		✓		✓	
	Entendimiento del puerto VC	✓		x		x	
	Supositorios	✓		✓		✓	
Valoración	Observación del cuerpo entero	✓		✓		✓	
	Toma de signos vitales (pasos)	✓		✓		✓	
	Valoración de torso y abdomen	x		✓		x	
Cuidado Post Mortem	Cuidado Post Mortem	✓		✓		✓	

MW25

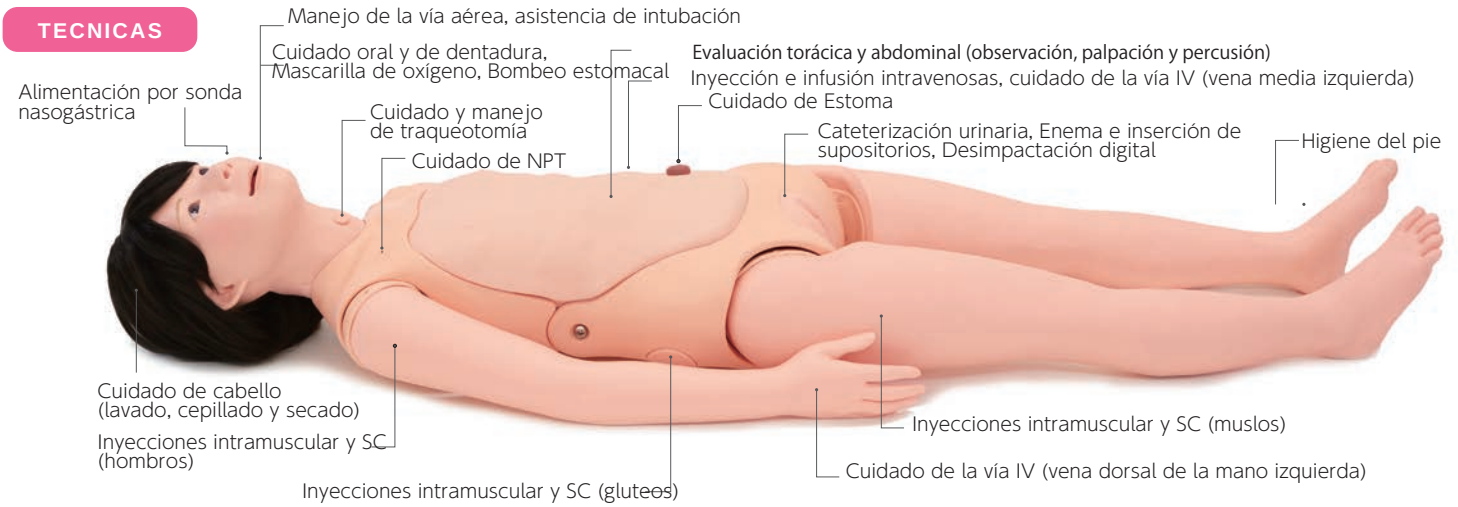
Simulador de Atención de Paciente "Yae"

Simulador de paciente para una atención ininterrumpida en los ámbitos comunitario y hospitalario

Destacada en más de 40 técnicas para entrenamiento, Yae puede ser utilizada en simulación para todo tipo de trabajadores de la salud, incluyendo estudiantes y personal con experiencia.



TECNICAS



Alimentación
- Alimentación por sonda (oral/nasal)

Eliminación
- Cateterización urinaria
- Cuidado de estoma
- Práctica de uso de bacinilla

Ejercicio
- Posicionamiento
- Traslado de paciente

Manejo del dolor
- Compresión caliente y fría

Higiene
- Cuidado oral
- Baño en cama
- Cambio de ropa
- Cuidado perineal
- Cuidado del cabello
- Aseo y apariencia personal

Cuidado respiratorio
- Administración de oxígeno
- Succión de la vía aérea
- Drenaje postural
- Cuidado de traqueotomía

Cuidado de heridas
- Cuidado de úlcera por presión
- Manejo de vendaje

Administración de medicamentos
- Cuidado de la vía central
- Inyección subcutánea
- Inyección intramuscular
- Inyección e infusión intravenosas
- Enema y supositorios
- Medicación vía vaginal

Cuidados críticos
- Asistencia de intubación
- Compresión torácica
- Manejo de vía aérea

Evaluación
- Evaluación torácica y abdominal

Otros
- Aspiración gastrica
- Cuidado post mortem

CARACTERISTICAS CLAVE

EVALUACION TORACICA Y ABDOMINAL

El abdomen suave y elástico permite una palpación profunda.



- Inspección, palpación y percusión toracoabdominal
- Los puntos de referencia anatómica y tejido blando ofrecen un entrenamiento realista.

Observación | Palpación | Percusión

CUIDADO Y MANEJO DE INFUSION

Entrenamiento de la vía IV



- Vena media izquierda:
  Inyección e infusión IV, asegurar la cánula con cintas
- Vena dorsal de la mano izquierda:
  Asegurar la cánula con cintas, cuidado durante la infusión





VARIEDADES DE PACIENTE

Edad, sexo y personalidad variables



Las variaciones de máscara facial, peluca y genitales externos ofrecen una amplia posibilidad de los ámbitos simulados y entrenamiento realista.



Transformación fácil

* La máscara facial y peluca con cabello gris de adulto mayor son partes opcionales.

ASISTENCIA DE INTUBACION

Manejo de la vía aérea y RCP



Los cuidados críticos como las situaciones perioperativas y el ámbito de la UCI se pueden simular.

- Preparación de aparatos e instrumentos
- Intubación oral (laringoscopio y video laringoscopio)
- Confirmación de ventilación exitosa:
  - Observación del movimiento torácico (expansión de pulmones)
  - Auscultación torácica
- Asegurar el tubo en su sitio con cinta
- Compresión torácica

DESCRIPCION

ESPECIFICACIONES

Tamaño: 152cm / 59.8plgds
Peso: 17kg / 37.5lbs

CONTENIDO DEL JUEGO

1	maniquí
1	dentadura
1	peluca (negra)
1	máscara facial (joven)
1	almohadilla de inyección (vena media)
2	almohadilla de inyección en el hombro
2	almohadilla de inyección en el muslo
2	almohadilla de inyección IM en el glúteo
1	genitales femeninos (cateterización)
1	genitales femeninos (inserción de supositorios/desimpactación digital)
1	set de supositorios simulados
1	set de heces simuladas
1	lubricante (para aspiración de vías)
1	lubricante (para cateterización, etc)
1	bolsa de riego
1	bomba de drenaje (vejiga urinaria)
1	bomba de drenaje (recto)
1	manguera de drenaje
1	set de pijamas
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11404-080	6 válvulas para cateterización urinaria
11251-350	válvula rectal
11251-330	set de heces simuladas
11251-320	set de supositorios simulados
11251-040	2 pads de inyección IM muslo
11251-030	2 pads de inyección IM hombro
11251-050	2 pads de inyección IM glúteo
11404-050	4 pads de inyección (vena media)
11404-070	genitales masculinos
11404-010	máscara facial (adulto mayor)
11404-030	peluca (adulto mayor)
11404-020	máscara facial (jóven)
11404-040	peluca (jóven)
11404-060	genitales femeninos (cateterización, enema)
11251-310	genitales femeninos (para supositorios, desimpactación digital)
11229-050	lubricante (aspiración vía aérea etc.)
11381-800	lubricante (para cateterización)

* Los instrumentos médicos no están incluídos.

MW26

Simulador de Atención Básica de Paciente "Keiko"

Conozca a Keiko:
Simulador de atención de paciente geriátrico para los practicantes incluyendo enfermeros domiciliares y cuidadores

Keiko simula al paciente bajo cuidados de largo plazo en una variedad de ámbitos de atención de salud.

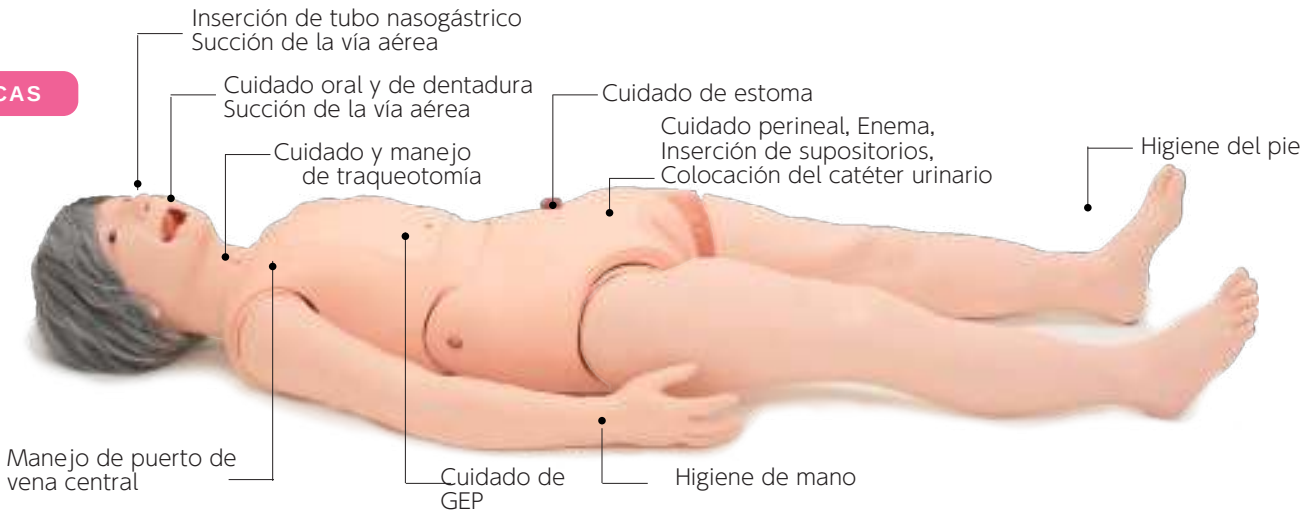








TECNICAS



Alimentación
- Alimentación por sonda (oral/nasal)

Ejercicio
- Posicionamiento del cuerpo
- Traslado del paciente

Cuidado de heridas
- Cuidado de úlceras por presión

Manejo del dolor
- Compresiones calientes y frias

Eliminación
- Enema
- Cateterización urinaria
- Cuidado de estoma
- Práctica de bacinilla

Higiene
- Cuidado oral
- Baño en cama
- Cambio de ropa
- Cuidado perineal
- Cuidado de cabello*
- Aseo y apariencia personal

Cuidado respiratorio
- Inhalación del oxígeno
- Aspiración de la vía aérea
- Drenaje postural
- Cuidado de traqueotomía

Administración de Medicamentos
- Supositorios

Otros
- Cuidado post mortem

* Opcional

CARACTERISTICAS PRINCIPALES

ATENCIÓN BÁSICA DE PACIENTE

Cuidado Oral

- Cuidado oral en cama y silla de ruedas
- Cuidado especial para pacientes con sonda de alimentación



| Evaluación oral
| Cepillado de dientes
| Cuidados de dentadura

Cuidado de úlceras por presión

- Aprender las etapas de úlceras por presión
- Cuidado de úlceras por presión



| Etapa2: Escápula
| Etapa 3: Trocánter mayor
| Etapa 4: Sacro
| Etapa no derterminable: Talón

Cuidado perineal

Genitales anatómicamente correctos para cuidados detallados



Posicionamiento del cuerpo y traslado

- Comunicación
- Técnicas de manejo manual correctas
- Seguridad del paciente



| Cambio de posición del cuerpo
| Asistencia al traslado del paciente

ENTENDIMIENTO MÉDICO

Aspiración de vía aérea

- Entendimiento de procedimientos



| Aspiración de la vía aérea: oral, nasal y traqueotomía (*solo inserción de tubo)
| Alimentación por sonda: oral, nasal y GEP (*solo inserción de tubo)

Cuidado diario con entendimiento médico



| Cuidado de estoma
| Baño en cama para pacientes con puerto venoso central
| Cuidado perineal para pacientes con catéter urinario



Foto: Kyoto College of Nursing

* La silla de ruedas no está incluida.

DESCRIPCION

ESPECIFICACIONES

Tamaño: 149 cm / 58.7 plgds
Peso: 15kg / 33lbs

MATERIALES

Líbre de látex
Resina blanda

CONTENIDO DEL JUEGO

1	maniquí	1	calzoncillos
1	dentadura	1	llave
1	peluca	1	manual de instrucciones
1	protector oral para succión	1	lubricante para el modelo
1	genitales femeninos	1	lubricante para cateterización
1	genitales masculinos		

REPUESTOS

11405-010	genitales femeninos
11405-020	genitales masculinos
11401-080	dentaduras
11229-060	protector oral para aspiración
11229-050	lubricante para el modelo
11381-800	lubricante para cateterización

PARTES OPCIONALES

12746-020	tubo de traqueotomía
11251-320	set de supositorios simulados
11251-330	set de heces simuladas
11405-030	pijama
11404-030	peluca lavable (adulto mayor)
11229-070	esputo simulado

INSTRUMENTOS RECOMENDADOS

Alimentación por sonda nasogástrica:
-Catéter nasal 12fr -14fr
-Catéter de gastrostomía para reposición 20fr
Sonda vesical permanente:
16fr (masculino) / 14fr (femenino)

MW22

Simulador de Atención de Paciente "Cherry"

Maniquí de atención básica de paciente para introducción a la enfermería

Maniquí de enfermería de cuerpo completo básico que ofrece entrenamiento de atención al paciente para los profesionales de la salud.

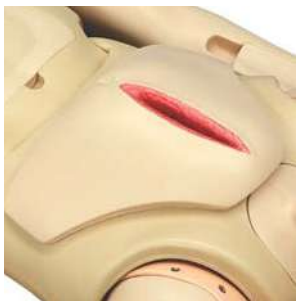


CARACTERISTICAS

1 | Capaz de sentarse en posición recta
2 | Extremidades sin junta incluso en dedos y pies
3 | Vías de NPT e IV para simular pacientes con vías de catéter
4 | Articulaciones realistas para el manejo del paciente

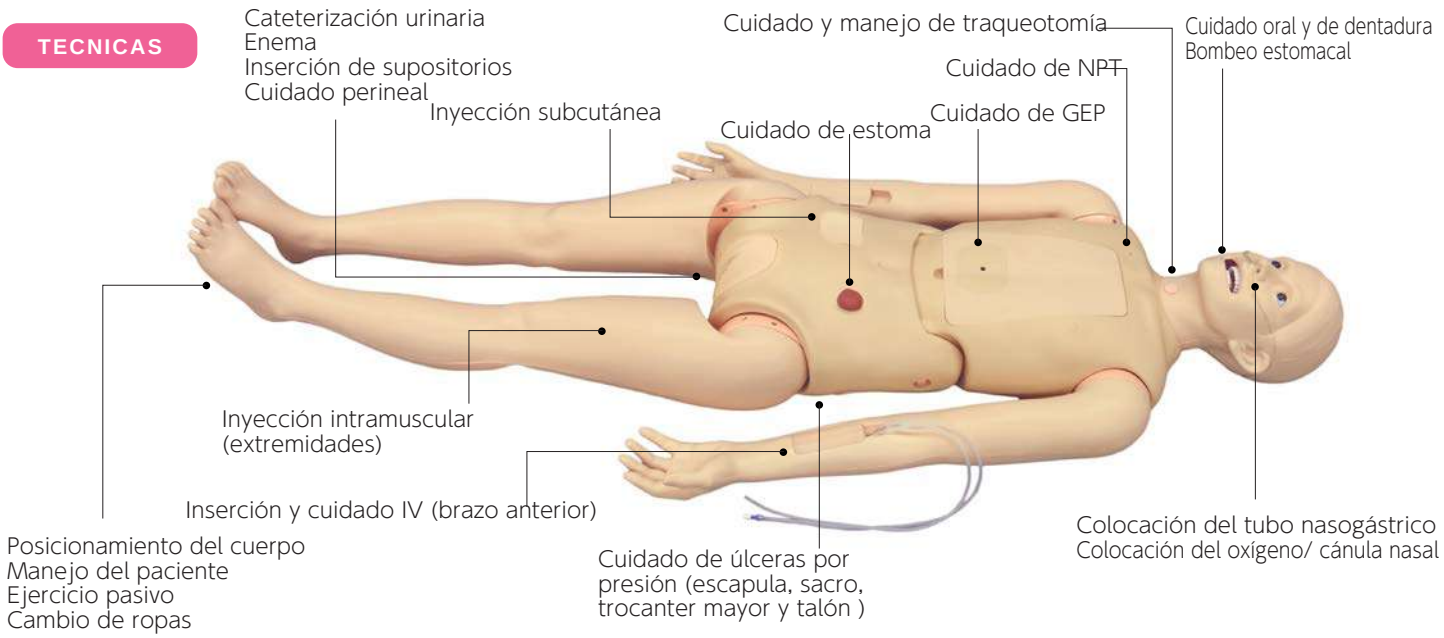


Inyección subcutánea



Cuidado de heridas

TECNICAS



DESCRIPCION

ESPECIFICACIONES

Tamaño: 163 cm / 64 plgds

CONTENIDO DEL JUEGO

1	maniquí
1	dentadura
1	set de pads de inyección (subcutáneo / gluteal / femoral IM / brazo superior IM)
1	genitales femeninos
1	genitales masculinos
1	almohadilla de cuidados a la herida
1	botella
1	jeringa

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11401-010	Almohadillas de inyección de insulina para MW22 (un set de 6)
11401-020	Almohadillas de inyección IM en gluteo para MW22 (un set de 4)
11401-030	Unidad de genitales femeninos para MW22
11401-040	Unidad de genitales masculinos para MW22
11401-050	Almohadillas de inyección IM en hombro para MW22 (un par)
11401-060	Almohadillas de inyección IM en muslo para MW22
11401-070	Almohadillas de cuidado de herida para MW22 (un par)
11401-080	Dentaduras (un set de una superior y una inferior) para MW22, MW26
11401-090	Estómago para MW22
11388-200	2 Almohadillas del antebrazo medio

M72

Simulador de Baño y Atención Hospitalaria (masculino)

Maniquí de cuerpo completo de anciano para cuidados básicos de pacientes

Este maniquí facilita el entrenamiento para varios procedimientos esenciales para el cuidado de pacientes de edad avanzada, como el baño, cuidado del cabello, posicionamiento y cuidado bucal.



CARACTERISTICAS

1 | Articulaciones flexibles y sin costuras
2 | Cuerpo impermeable
3 | Permite la práctica de lavado con shampoo, cepillado y secado del cabello del paciente
4 | Entrenamiento en habilidades para el manejo de pacientes tales como posicionamiento, transporte o traslado dentro y fuera de la cama.





TECNICAS

Posicionamiento
Manejo de pacientes
Amplio rango de movimiento de articulaciones
Cuidado del cabello
Cuidado bucal
Cambio de pañales y ropa
Baños



DESCRIPCION

ESPECIFICACIONES

Tamaño: 168 cm/ 66 plgds Peso: 14 kg / 30 lbs

CONTENIDO DEL JUEGO

1	peluca
1	dentadura
1	peluca
1	calzoncillos

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11274-020 peluca para M72

M85

Entrenador de Aspiración de Vías Aéreas

Simulador de manejo de aspiración de vías aéreas y traqueotomía

Carácteristicas anatómicas y táctiles realistas para entender mejor la aspiración de las vías aéreas





Aspiración nasal



Aspiración oral

CARACTERISTICAS

1 | Facilitar el entendimiento de cómo insertar el catéter
2 | Ventana de sección vertical transparente para monitorear el catéter
3 | Incluye esputo simulado realista
4 | Se puede desmontar fácilmente para limpieza
5 | Se puede abrir la boca con la mano

TECNICAS

| Aspiración oral
| Aspiración nasal
| Aspiración endotraqueal

PUNTOS DE REFERENCIA

| cavidad oral
| lengua
| faringe oral y nasal
| epiglotis
| tráquea
| esófago

PARTES OPCIONALES

11229-060 Protector Oral para la práctica con líquido

Protector oral para colocar esputo simulado está disponible como parte opcional. Este protector oral es para mantener el esputo dentro de la cavidad oral.



DESCRIPCION

ESPECIFICACIONES

Tamaño: 45 x 23 x 15 cm / 17.7 x 9 x 9 5.9 plgds Peso: 2kg/4.4lbs

CONTENIDO DEL JUEGO

1	Cabeza y cuello con anatomía de vía aérea	1	jeringa
1	botella de lubricante	1	caja de almacenamiento
2	catéteres	1	lubrincante
1	botella de esputo simulado	1	manual de instrucciones
1	cubeta metálica		

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11229-020	1 reemplazo de piel con tráquea
11229-070	1 esputo simulado
11229-040	2 catéteres de muestra
11229-050	1 lubricante

PARTES OPCIONALES

11229-060 Protector oral para la práctica con esputo simulado

MW8

Simulador de Alimentación por Sonda (NG, OG y GEP)

Simulador de manejo de tubo gástrico para dominar la teoría y práctica

Se puede utilizar como una herramiente educativa efectiva para los cuidadores y profesionales de salud.
El simulador tiene tres vías y es compatible con líquidos reales.





El simulador se puede colocar en la posición de Fowler.

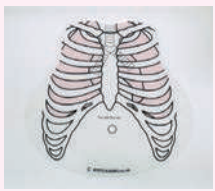
CARACTERISTICAS

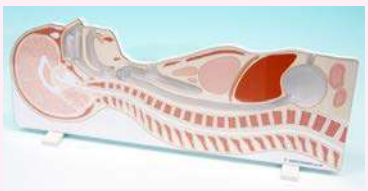
1 | Inserción de tubo de alimentación y confirmación de la colocación del tubo (NG/OG)
2 | Estructura transparente que permite una observación directa del progreso y colocación del tubo
3 | Panel de sección vertical y mapa anatómico torácico para el entendimiento teórico
4 | Cuello flexible para aprender el posicionamiento apropiado de cuello/ cabeza

TECNICAS

| Inserción nasogástica/ orogástrica, manejo y confirmación de colocación del tubo
| Manejo del tubo de GEP
| Entendimiento fisiológico
| Aspiración gástrica

CARACTERISTICAS CLAVE





Pánel anatómico de las vías de alimentación que se incluye en el set para facilitar el entendimiento anatómico y demostrar la anatomía torácica.
El panel también está disponible aparte con el código MW5.



Inserción del Tubo de Alimentación

Inserción del tubo nasogástrico y oral



Administración a través de tres vías

Líquido real puede ser administrado a través de los tubos oral, nasal y de GEP. Las técnicas de administración de medicamentos también se pueden simular (usando agua).

DESCRIPCION

ESPECIFICACIONES

Tamaño: 60 x 37 x 23 cm / 25.6 x 14.6 x 9 plgds Peso: 4.4kg/9.7lbs

CONTENIDO DEL JUEGO

1	torso masculino	1	panel de vías de alimentación por
1	base de soporte	1	sonda
1	tubo de drenaje	1	lámina torácica
1	embudo	1	manual de instrucciones
1	vaso plástico	1	lubricante

REPUESTOS

11384-030	1	máscara facial
11386-000-01		manguera de drenaje
11386-000-02		lámina torácica de alimentación por sonda
11392-070		cinta para la piel facial
11229-050		1 lubricante

INSTRUMENTOS RECOMENDADOS

Catéter nasal: 14fr

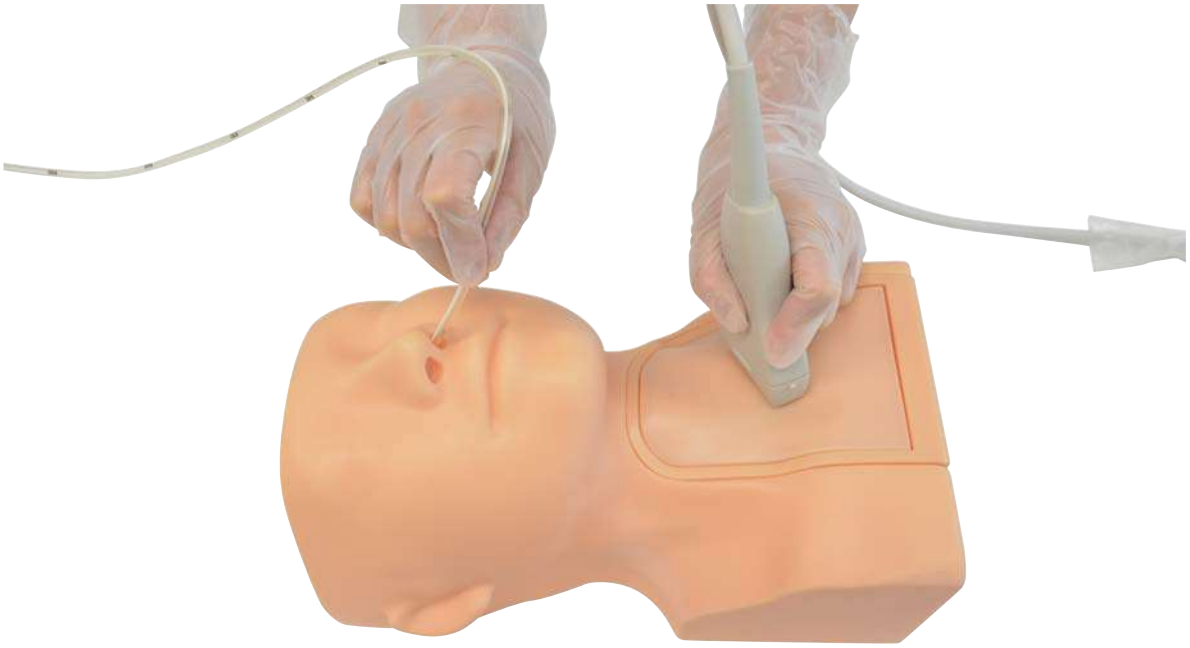
US-20

NEW

Fantoma de Alimentación por Sonda Ecoguiada

Modelo de cuello anatómicamente correcto para el entrenamiento de Alimentación por Sonda Ecoguiada

Supervisión del Producto
Hirosaki University Hospital,
General Medical Department.
Dr. Kobayashi Tadashi



CARACTERISTICAS

1 | Modelo de cuello anatómicamente correcto
Glándula Tiroidea
Tráquea
Esófago
Esternón
Clavículas
Arteria Carótida
Vena Yugular
2 | Imágenes de ultrasonido del cuello realistas
3 | Utilizable con aparatos de diagnóstico por ultrasonido reales
4 | Permite la confirmación de la colocación del Tubo Nasogástrico por ultrasonido
5 | Cambio interno de dirección de inserción del tubo: tráquea/esófago para pruebas de reconocimiento de la ubicación del tubo (reconocimiento por ultrasonido de la inserción apropiada al esófago o inserción equivocada a la tráquea)

TECNICAS

| Manejo y manipulación apropiados de la sonda para el ultrasonido del cuello
| Inserción del tubo para alimentación
| Confirmación de colocación del tubo por ultrasonido
| Escaneo del cuello para evaluar la posición del tubo



Imagen de Ultrasonido

DESCRIPCION

ESPECIFICACIONES

Tamaño: A29 × P17 × A18 cm
A11.4 × P6.7 × A7.1 plgds
Peso: 2.8kg

CONTENIDO DEL JUEGO

1	cuerpo principal
1	bloque del cuello para ultrasonido
1	tubo nasogástrico
1	jeringa
1	talco en polvo
1	caja de almacenamiento

* El aparato de ultrasonido no está incluido.

US-16

NEW

Fantoma para Evaluación de Volumen de Orina Intravesical

Los aparatos de ultrasonido portables están ganando popularidad y empiezan a ser empleados para examinación en los cuidados diarios. Este método es preferible ya que la cateterización podría causar una infección urinaria.





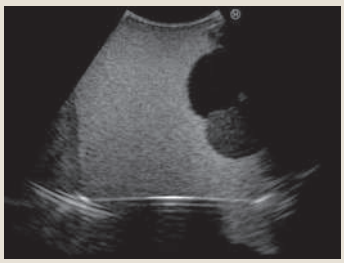
CARACTERISTICAS

1 | 4 variedades de insertos intercambiables representando diferentes escenarios de paciente.

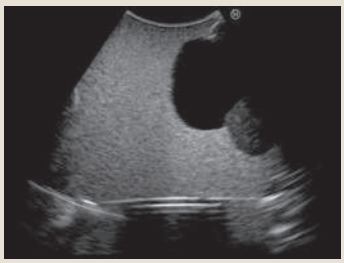
TECNICAS

| Manejo y manipulación del transductor en el ultrasonido de vejiga.
| Escaneo de la vejiga para medir el volumen de orina intravesical y los hallazgos.

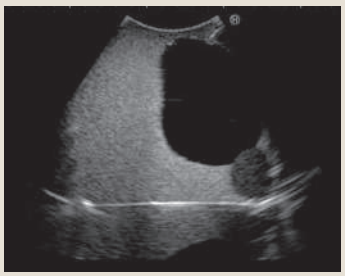
CARACTERISTICAS CLAVE



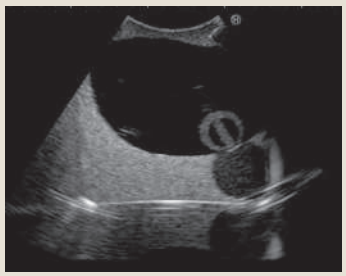
Volumen urinario 50mL



Volumen urinario 150mL



Volumen urinario 300mL



Retención urinaria + catéter con globo

DESCRIPCION

ESPECIFICACIONES

Tamaño: 30 x 26 x 18 cm
12 x 10 x 7 plgds

Fantoma: 1.5kg / 3.3lbs
Cuerpo: 3.2kg / 7.1lbs

CONTENIDO DEL JUEGO

1	maniquí de torso inferior
4	bloques de ultrasonido
1	caja de almacenamiento
1	talco en polvo
	manual de instrucciones

MATERIALES

Líbre de látex

REPUESTOS

* El aparato de ultrasonido no está incluido.

MW58

Simulador de Cuidado de Catéter Suprapúbico Masculino

NEW

MW59

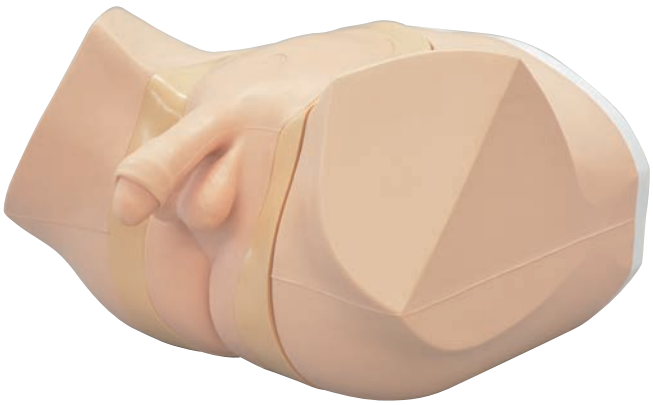
Simulador de Cuidado de Catéter Suprapúbico Femenino

NEW

Un entrenador integral para el cambio de catéter suprapúbico.



MW59



MW58

CARACTERISTICAS

1 | Cambio de catéteres suprapúbicos
Confirmación de inserción exitosa por salida de fluido
El entrenamiento incluye puntos de control en técnicas como movilidad de sonda y confirmación de salida de orina.
2 | Cuidado del catéter suprapúbico (asegurar el catéter en su lugar)
Facilita el entrenamiento de sujeción del catéter con gasa y cinta quirúrgica.
3 | Confirmación de la colocación del catéter
Observación del catéter a través de la pared vesical transparente.

TECNICAS

| Cambio de catéteres suprapúbicos
| Cuidado de catéter suprapúbico (asegurar el catéter en su lugar)
| Colocación de catéteres transuretrales con globo
| Enema en posiciones laterales

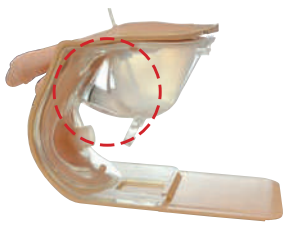




Confirmación de descarga de orina.



Inserción de catéter



DESCRIPCION

CONTENIDO DEL JUEGO

1	maniquí de torso inferior
1	unidad de órganos genitales
4	válvulas (2 están incorporadas en la unidad ensamblada)
1	botella de riego
3	tubos de drenaje de riego
1	manual de instrucciones

REPUESTOS

11440-010 piel para modelo masculino de CSP
11441-010 piel para modelo femenino de CSP
11441-020 capuchón para apertura suprapúbica
11441-030 Depósito de vejiga urinaria para CSP

MW2A

Simulador de Cateterización y Enema Masculino

MW52

Simulador de Cateterización y Enema Femenino



MW2A



MW52

Simuladores de alta calidad para las prácticas de cateterización uretral, cuidado perineal y enema

Obtenga mejores resultados de entrenamiento con nuestro simulador suave y realista que se puede utilizar en Pacientes Estandarizados o maniquies de cuerpo entero.

CARACTERISTICAS

1 | Los genitales suaves y flexibles permiten la limpieza y preparación de procedimiento apropiados
2 | Confirmación de inserción exitosa mediante el flujo de líquido
3 | Inserción de enema en posición lateral
4 | Genitales externos removibles

TECNICAS

- Cateterización intermitente
- Cateterización permanente
- Cuidado perineal
- Enema
- Localización del meato uretral
- Técnicas de limpieza y asépsia
- Inserción y colocación de catéter
- Extracción del catéter
- Compresión manual de la vejiga

Los sets compactos consisten en una unidad genital y accesorios, para entrenamiento híbrido y demostración en una mesa.

MW2C 11381-199-B

Unidad Genital Masculina Sola



MW2D 11433-299-B

Unidad Genital Femenina Sola





Entrenamiento de Enema



Se puede observar cuando pasa el catéter a través del reservorio de vejiga transparente.



DESCRIPCION

ESPECIFICACIONES

Tamaño: 34 x 33 x 24cm / 13.5 x 13 x 9.5 plgds
Peso: 3.5kg / 7.7lbs(M) 3.4kg / 7.5lbs(F)

CONTENIDO DEL JUEGO

1	maniquí del torso inferior
1	unidad de órganos genitales
3	válvulas (una está incorporada en la unidad ensamblada)
1	botella de riego
1	tubo rectal
3	tubos de riego y drenaje
1	lubricante
1	caja de almacenamiento
1	manual de instrucción

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11381-100-01	clip (pequeño) para sonda uretral para MW2A
11381-100-02	clip (grande) para MW2A/MW2B/ MW2C
11433-000-01	clip (grande) para MW52
11381-100-03	depósito de vejiga urinaria
11381-100-04	unidad de rectal
11381-300	6 válvulas de repuesto
11433-010	1 piel femenina de repuesto
11433-020	2 reemplazos de meato femenino
11381-800	lubricante
11381-410	1 piel masculina de repuesto
11381-510	2 reemplazos de meato masculino

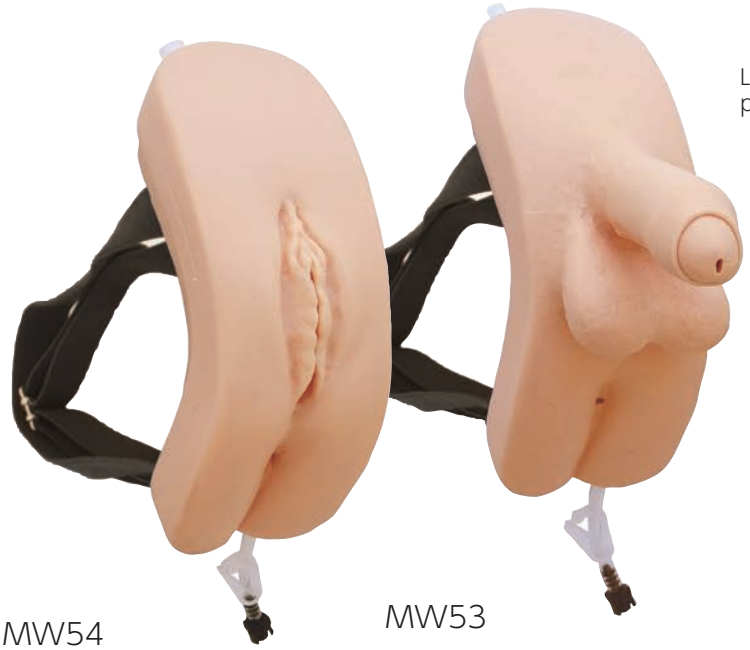
INSTRUMENTOS RECOMENDADOS

* Los catéteres no están incluidos..

MW54/MW53/MW55

Simulador de Cateterización Urinaria y Enema Vestible

Realisimo en el entrenamiento de técnicas combinando escenarios para adquirir habilidades de comunicación.

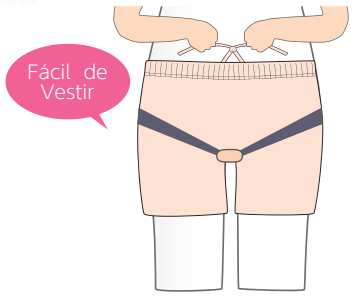


MW54 MW53

Suavidad Realista

Los labios pueden mantenerse abiertos durante los procedimientos de cateterismo con la mano no dominante.





CARACTERISTICAS

1 | La suavidad de los genitales femeninos simulados, permite mantener los labios en posición abierta durante todo el procedimiento, desde la esterilización hasta la colocación del
2 | catéter.
Su estructura anatómicamente correcta facilita el entendimiento
3 | del cuerpo junto con el procedimiento.
Compatible con catéteres con balón.
El agua (orina simulada) sale cuando se inserta el catéter a la profundidad correcta.

TECNICAS

| Procedimiento límpio y aséptico
| Inserción y colocación de catéter
| Confirmación de la descarga de la orina
| Extracción del catéter
| Enema



El catéter se puede insertar cuando el pene se mantiene en el ángulo correcto



Inyección de líquido de enema



Resistencia realista al catéter

DESCRIPCION

ESPECIFICACIONES

Modelo de genitales de tamaño real: A8 x P21 x A18cm, 0.5kg (masculino)
A8 x P21 x A9cm, 0.4kg (femenino)

VARIACIONES DEL JUEGO

femenino:	11434-000
masculino:	11435-000
juego dual:	11436-000

REPUESTOS

11381-800 lubricante

CONTENIDO DEL JUEGO

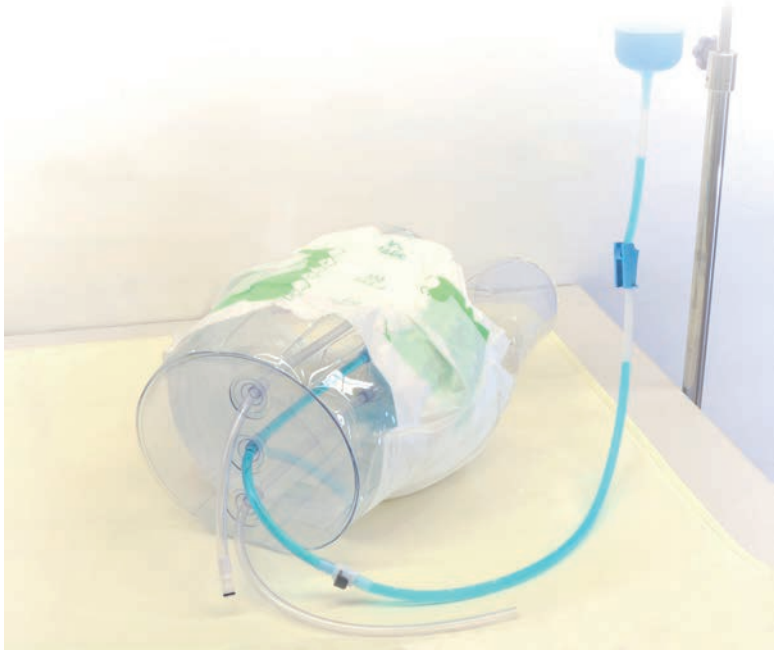
1	modelo genital
1	bolsa de reserva
1	tubo de drenaje
1	correa
1	shorts
1	lubricante
1	catéter de mantenimiento
1	manual de instrucciones

MW23

Entrenador de Cambio de Pañal para Adultos

Promueve una comprensión visual clara al ajustar un pañal para garantizar la comodidad del paciente y evitar fugas.

El uso adecuado del pañal mejora la salud del paciente y sus actividades de la vida diaria (AVD) mientras se previenen las úlceras por decúbito y su agravamiento



CARACTERISTICAS

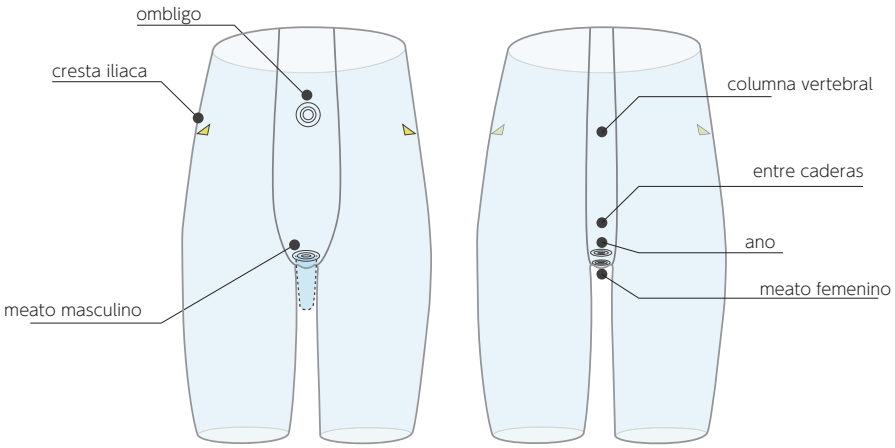
1 | Puntos de referencia para el ajuste del pañal.
2 | Se puede usar orina simulada o heces acuosas.
3 | El torso inferior transparente permite la observación directa de la vista interna del pañal.
4 | Se pueden simular pacientes masculinos y femeninos.
5 | Ligero y fácil de manejar.

TECNICAS

| Cambio de pañal



genitales masculinos



DESCRIPCION

ESPECIFICACIONES

Torso inferior de tamaño real: A31 x P50 x A21cm, 0.5kg

CONTENIDO DEL JUEGO

1	maniquí de torso inferior
1	genitales masculinos
1	bolsa de riego
1	tubo de conexión
1	jeringa
1	vaso
1	heces acuosas simuladas
1	botella
1	bomba manual
1	conjunto de orina simulada (juego de 10 hisopos)

REPUESTOS

11381-800 orina simulada (juego de 10 hisopos)
11229-070 heces acuosas simuladas (juego de 3 paquetes)
11402-010 10 hisopos de algodón azul

M66

Simulador de Cuidado Médico del Pie

Simula el cuidado podológico básico

El mantenimiento de un pie saludable tiene un impacto significativo para la calidad de vida del paciente. Entrenamiento de recorte simple de las uñas y callosidades al mismo tiempo de la educación general de cuidado básico del pie

Supervisión del Producto

Takako Egawa
Dean, Professor, Kansai University of Nursing and Health Sciences
Professor Emeritus, Kyoto University





Corte y eliminación de callosidades



Corte y eliminación de callos

CARACTERISTICAS

1 | Sensación realista y anatómicamente precisa
2 | Uñas, callo y callosidades reemplazables

TECNICAS

| Recorte y corte de las uñas de pie (uña gruesa, uña encarnada y uña con tiña)
| Recorte y eliminación de las callosidades
| Recorte o eliminación de los callos
| Evaluación del pie (demostración)
| Masaje del pie (demostración)

DESCRIPCION

ESPECIFICACIONES

Tamaño: A21 x P21 x A28 cm/ 8.3 x 8.3 x 11 plgds Peso: 1.2g/2.9lbs

CONTENIDO DEL JUEGO

1	Modelo del pie con base giratoria	10	callosidades
20	Uñas de pie A (uñas gruesas y	10	callos
20	encarnadas)Uñas de pie B (uñas gruesas con tiña)	1	manual de instrucciones

REPUESTOS

11273-020	1 set de partes de respuesto para M66 -uñas de pie A 20 piezas -uñas de pied B 20 piezas -callosidades 10 piezas -callos 10 piezas	11273030 Uñas de pie A de repuesto 20 piezas 11273040 Uñas de pie B de repuesto 20 piezas 11273050 Callosidades de repuesto 10 piezas 11273060 Callos de repuesto 10 piezas

* Los instrumentos no están incluidos.

MW1

Simulador de Marcas de Edema

Cinco variaciones de simulador de marca de edema incluyendo uno normal

Los grados de edema están basados en el "Manual Mosby de Exploración Física (7ta edición)"

Supervisión del Producto

Junji Otaki
Professor of Tokyo Medical University



Normal | 1+ Hendidura ligera | 2+ Hendidura moderada | 3+ Hendidura profunda | 4+ Hendidura muy profunda

TECNICAS

| Diferenciación de las marcas de edema: cuatro niveles diferentes del edema y un caso normal
| Evaluación del edema en la pierna inferior

CARACTERISTICAS

1 | Los grados de edema están basados en el "Manual Mosby de Exploración Física (7ta edición)".
2 | Los modelos se pueden colocar en la pierna inferior de pacientes simulados o maniquíes de entrenamiento.
3 | 4 niveles de marca de edema conforme a la presión y profundidad de la hendidura.
4 | Repetible y preciso, como si palpara la superficie de la piel real hasta el peroné.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A10 x A20 cm / A3.9 x A7.9 plgds Peso: 0.15g/0.33lbs

CONTENIDO DEL JUEGO

5	variaciones del modelo de marca de edema vestible 1 pieza de cada uno
1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

MW63/MW63B

Simulador de Úlceras por Presión

NEW

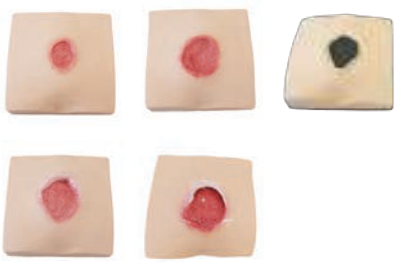
Los 7 puntos del protocolo DESIGN-R 2020 se pueden entrenar usando una combinación de diferentes almohadillas y líquido simulado

Supervisión del Producto:
MD. PhD, Professor Hiroto Terashi , Plastic and Reconstructive Surgery , Kobe University School of Medicine
Masaharu Sugimoto, Part-time Lecturer, Toyama University of Rehabilitation Medicine and Welfare Madoka Noguchi, Nursing Department, Kobe University Hospital





Desbridamiento de tejido necrótico



VARIACIONES

A.Úlcera sacra por presión con diferentes etapas (4 tipos)
- Pérdida parcial de espesor de la dermis
- Pérdida total de la piel
- Pérdida total de la piel con granulación
- Pérdida de espesor completo de tejido con hueso expuesto

B. Úlcera por presión en el trocánter mayor
- Pérdida total de la piel

C. Úlcera ciática por presión
- Pérdida de espesor completo de tejido con hueso expuesto

CARACTERISTICAS

1 | Los siete puntos del DESIGN-R 2020, se pueden enseñar usando una combinación de diferentes almohadillas y líquido simulado.

2 | Evaluación ecográfica de lesiones de tejidos profundos
Se incluyen dos tipos: normal y edema.

3 | Se incluyen la limpieza, la aplicación de apósitos o medicamentos tópicos y los procedimientos de tratamiento de heridas con presión negativa (NPWT), exudado simulado y conjunto de tejido necrótico.

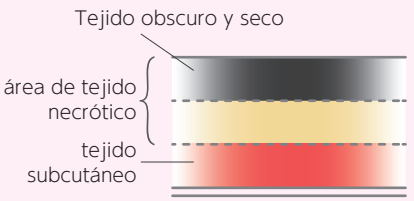
4 | Excelente calidad de apariencia y textura.

TECNICAS

- Evaluación de las úlceras por presión con DESIGN-R® 2020
- Palpación de la herida
- Evaluación ecográfica de lesiones de tejidos profundos (edema en el área ciática)
- Cuidado de limpieza de heridas
- Aplicación de apósitos
- Aplicación de medicamentos tópicos
- Terapia de heridas con presión negativa
- Desbridamiento de tejido necrótico
- Prevención de úlceras por presión

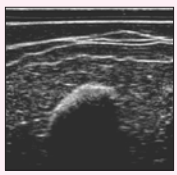
CARACTERISTICAS CLAVE

■ Set de eliminación de tejido necrótico
"Estructura de tres capas"

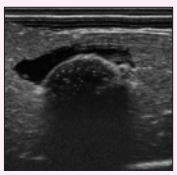




■ Úlcera ciática por presión:
Evaluación ecográfica de lesión de tejido profundo
Se incluyen dos tipos: normal y edema



Normal



Edema



DESCRIPCION

ESPECIFICACIONES

Tamaño: A44×P40×A38 cm / A17.3 x P15.7 x A15 plgds Peso: 3.8 kg/8.4 lbs

CONTENIDO DEL JUEGO

1 Torso inferior	1 caja de almacenamiento
1 Cuatro tipos de pads con escaras en el sacro	1 manual de instrucciones
1 Pad con escara ciática etapa IV	
1 Dos tipos de pads ecogénicos	
1 Set de consumibles	

VARIACIONES DE SET

Set completo: 11446-000
Set básico: 11446-100

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11446-010 1 set de consumibles
11446-020 1 pus simulado
11446-030 1 exudado simulado
11446-040 1 sangre simulada
11446-050 1 tejido necrótico simulado
11446-200 1 set de extracción de tejido necrótico
11446-220 1 base para la eliminación de tejido necrótico
11446-210 1 pad para la eliminación de tejido necrótico
11446-070 1 set de dos tipos de pads ecogénicos

MW7B

Entrenador de Medición de Presión Sanguínea ver.2

Familiarícese con la fisiología de hipertensión observando la presión sanguínea

Con 9 casos predeterminados, el simulador permite la práctica dirigida por los estudiantes mismos de acuerdo con los datos de presión sanguínea obtenidos.




Inflación Manual


Sonidos de Korotkoff


Palpación

CARACTERISTICAS

1 | Nueve casos predeterminados
2 | Los valores de presión sanguínea pueden ser controlados digitalmente en tres puntos: Fase I, IV y V
3 | Auscultación realista de los sonidos de Korotkoff de las fases I a V
4 | Pulsos de arteria radial sincronizados con los sonidos y la presión del manguito
5 | Velocidad de desinflación se puede monitorear numéricamente
6 | Se alerta la presión excesiva del manguito con pitidos
7 | Modo de reproducción aleatoria para autoaprendizaje

TECNICAS

| Colocación del manguito
| Inflado manual del manguito
| Auscultación de los sonidos de Korotkoff
| Palpación de los pulsos radiales
| Lectura de presión sanguínea
| Desinflado del manguito

Nueve Casos Predeterminados

1 | hipotensión
2 | normal
3 | prehipertensión
4 | hipertensión leve
5 | hipertensión moderada
6 | hipertensión severa
7 | hipertensión sistólica aislada
8 | brecha auscultatoria
9 | ausencia de los sonidos de Korotkov de la Fase V

DESCRIPCION

ESPECIFICACIONES

Tamaño: 70x19x17cm/27.7x7.5x6.7 plgds Peso: 2.65kg/5.84lbs
Voltaje: AC100V-240V 50/60Hz
Consumo de energía: 10W

MATERIALES

Resina blanda, Libre de látex

CONTENIDO DEL JUEGO

1	modelo de brazo	1	unidad de esfigmomanómetro aneroide
1	controlador	1	manual de instrucciones
1	adaptador	1	bolsa de transporte
1	cable de alimentación	1	guía rápida de uso

MW29

Simulador de Cuidado Oral Avanzado

NEW

Simulador de cuidado oral que puede mimetizar varias condiciones del paciente

Cavidad oral y dentadura realistas similares al cuerpo humano real
Se puede usar agua real para limpiar la cavidad oral









CARACTERISTICAS

1 | Tráquea y esófago visibles y accesibles
2 | Dentadura intercambiable con enfermedades dentales
3 | Preparación simple y posicionamiento de cabeza
4 | Incluye la placa y candidiasis oral lavable
5 | Entrenamiento de succión con agua

TECNICAS

| Evaluación de cavidad oral
| Cuidado de la membrana mucosa oral
| Cepillado y limpieza de la cavidad oral
| Identificar la candidiasis oral
| Cuidado para la retención de la humedad
| Reemplazo y mantenimiento de la dentadura
| Entendimiento de la succión de la vía aérea
| Masaje de la cavidad oral

CARACTERISTICAS CLAVE

Anatomía oral de dentadura con problemas

| arco espaciado
| residuos de comida
| anodoncia
| estomatitis
| diente aislado
| candidiasis oral
| apiñamiento
| recesión gingival
| fractura de raíz
| muñón del diente



Condiciones del paciente

| Dentadura completa
| Problemas dentales
| Sin dientes
| Intubación intratraqueal
| Traqueotomía
| Alimentación por sonda

Posiciones del paciente

| Posición sentada
| Posición medio sentada
| Posición lateral

DESCRIPCION

ESPECIFICACIONES

Tamaño: A21 x P37 x A26 cm / A8.3 x P14.6 x A10.2 plgds Peso: 2.6 kg / 5.7 lbs

CONTENIDO DEL JUEGO

1	maniquí de cabeza/cuello	1	residuo simulado	1	caja de almacenamiento
1	base	1	espejo	1	manual de instrucciones
1	dentadura normal	2	hisopo		
1	dentadura con enfermedades dentales	1	cepillo de dientes		
1	caja de dentadura	1	cepillo para dentadura		

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11408020 dentadura normal
11408030 dentadura con enfermedades dentales
11408010 residuo simulado

*Los instrumentos no están incluidos..

MW43

Simulador de Examinación Abdominal "AbdoAbby"

Representación detallada de los órganos abdominales suficientemente realistas para cultivar el sentido táctil y servir como referencia durante la palpación







Supervisión del Producto
Takahiro Amano, M.D.,
Senior Advisor for Academic Affairs and Professor
International University of Health and Welfare,
Honorary Director Sanno Medical Center, Japan
Kyoko Arai
RN, PHN, PhD, Professor,
School of Nursing, University of Shizuoka, Japan


órganos intercambiables


Textura suave, resiliente y delicada


Movimiento respiratorio

CARACTERISTICAS

1 | Textura suave, resiliente y delicada que permite la palpación poco honda y profunda
2 | Organos intercambiables
3 | Movimiento respiratorio
4 | Auscultación abdominal

TECNICAS

| Inspección visual
| Auscultación
-arteria renal
-aorta abdominal
-arteria ilíaca
-sonidos intestinales
| Palpación
-hígado, bazo, riñón, útero y linfoma

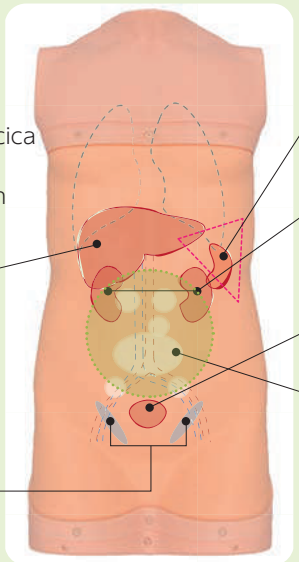
| Percución
-hígado, bazo y costilla

CARACTERISTICAS CLAVE

Puntos de referencia óseos
| Pelvis
| Costillas
| Parte inferior de la caja torácica
| Margen costal
| Apófisis xifoides del esternón
| Cresta púbica
| Espina ilíaca anterosuperior

Hígado
| Normal
| Hepatitis crónica
| Precirrosis
| Cirrosis

Area inguinal
| Normal
| Linfoma



Bazo
| Normal
| Agrandado
| Levemente agrandado

Riñón
| Normal
| Hidronefrosis
| Riñón poliquístico

Utero
| Normal
| Mioma

Ruidos y sonidos
Arteria renal
| Aorta abdominal
| Arteria ilíaca
| Sonidos intestinales

DESCRIPCION

Para conocer los códigos de producto de las versiones de tonos de piel alternativos de este modelo, consulte www.kyotokagaku.com.

ESPECIFICACIONES

Tamaño: 40 x 80 x 20 cm / 15.7 x 31.5 x 7.9 plgds
Peso: 14kg / 30.9lbs

MATERIALES

Resina blanda
Libre de látex

CONTENIDO DEL JUEGO

1	unidad del torso masculino
1	talco en polvo
1	set de la unidad de control de movimiento respiratorio
2	riñones (hidronefrosis, quistes)
2	bazos (levemente agrandado, agrandado)
4	hígados (precirrosis, cirrosis, hepatitis crónica, normal)
2	nódulos linfáticos inguinales (normal, linfoma)
2	úteros (normal, fibroma)
1	estetoscopio simulado
1	controlador
1	adaptador CA
3	cajas de almacenamiento
1	manual de instrucción

MW30

Entrenador de Palpación de Cabeza y Cuello

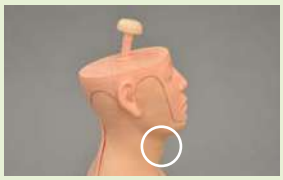
Sentido táctil nuevo, innovador y ultrarealista, diseñado para estandarizar las experiencias de palpación

Con su material táctil realista, el entrenador de palpación de cabeza y cuello provee un estándar de las sensaciones a ser percibidas.

Supervisión del Producto
Junji Otaki,
professor and acting chief of the center,
Center for Medical Education,
Hokkaido University



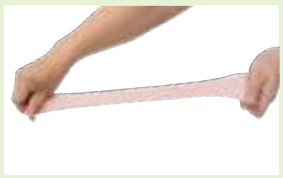
CARACTERISTICAS CLAVE



Deglución
Movimiento de deglución para identificar y evaluar la glándula tiroidea



Sitios
Diversas variaciones



Sensación similar a la real
Textura suave, resiliente y delicada

CARACTERISTICAS

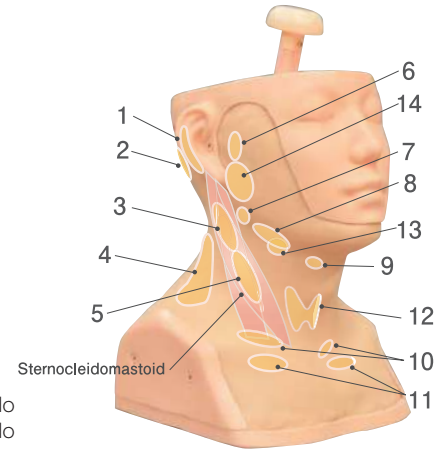
1 | Ofrece las oportunidades de prácticas en mano
2 | Hallazgos anormales para complementar la práctica con pacientes simulados sanos
3 | Asegura que los alumnos comparten la misma sensación táctil para identificar los hallazgos
4 | Mantiene un enfoque objetivo para las técnicas de examinación

TECNICAS

| Palpación de cabeza y cuello para los nódulos linfáticos, tiroides y glándulas salivales
| Combinar las técnicas de palpación con los hallazgos y razonamiento clínico

CASOS

	Sitios	Hallazgos
1	Nódulos auriculares posteriores	Edema/Dura
2	Nódulos occipitales	NA
3	Nódulos cervicales superficiales	Edema/Palpable
4	Nódulos cervicales posteriores	Edema/Palpable
5	Nódulos cervicales profundos	Edema/Palpable
6	Nódulos preauriculares	Edema/Duro
7	Nódulos tonsilares	Edema/Palpable
8	Nódulos submandibulares	Edema/Palpable
9	Nódulos submentales	Edema/Palpable
10	Nódulos supraclaviculares	Edema/Dura/No movible
11	Nódulos subclaviculares (infraclaviculares)	Edema/Dura/No movible
12	Glándula tiroidea	Enfermedad de Graves
13	Glándula submandiblar	Tan dura como un nódulo linfático agrandado
14	Glándula parótida	Tan dura como un nódulo linfático agrandado



MW31 Entrenador de Palpación de Cabeza y Cuello para ECOE

Los nódulos y glándulas palpables incorporados en el tipo estándar se distribuyen en dos maniquíes idénticos respectivamente para el uso en exámenes o evaluaciones para los estudiantes.

Hallazgos internos

A lado izquierdo: 6/1/3/10
lado derecho: 4/5/13/12

B lado izquierdo: 3/13/ 9/5
lado derecho: 4/11/5

DESCRIPCION

ESPECIFICACIONES

Tamaño: 29x29x47cm / 11.4x11.4x18.5 plgds Peso: 6.5kg / 14.3lbs

CONTENIDO DEL JUEGO

1 maniquí cabeza y cuello con caja de almacenamiento
1 manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

M55

Simulador de Evaluación Física "Physiko"

Physiko es más que un simple paciente simulado

Physiko está diseñado para simular situaciones de evaluación física para los alumnos de atención de salud.
Doce casos predeterminados simulan padecimientos típicos para ofrecer una experiencia práctica con hallazgos anormales.

Supervisión del Producto
Toyoaki Yamauchi, MD, ND, PhD
Professor
Department of Nursing Graduate School of Medicine Nagoya University



CASOS

Item de evaluación	Condición		
Reflejo pupilar	Normal	Contracción pupilar	
	Dilatación pupilar	Asimetria bilateral	
Presión sanguínea	Ajuste arbitrario		
Auscultacion de sonidos pulmonares	Normal	Respiración bronquial	Sibilancias
	Débil en el pulmón izquierdo	Crepitaciones gruesas	Roncus
	Ausente en el pulmón derecho	Crepitaciones finas	Fibrilación auricular
Auscultación de sonidos cardiacos	Desdoblamiento S2 (-)	Estenosis aórtica	Aleteo auricular
	Desdoblamiento S2 (+)	Regurgitación mitral	Contracción Ventricular Prematura
	Galope S3	Estenosis mitral	(singular)
	Galope S4	Regurgitación aórtica	Aleteo ventricular
	Galope S3 y S4	Taquicardia sinusal	Fibrilación ventricular
	Soplo inofensivo	Bradicardia sinusal	Ajustador del volumen de sonido
Auscultación de sonidos intestinales	Normal	Disminuido	íleo
	Aumentado	Subíleo	
Simulación de ECG	Normal	Aleteo ventricular	
	Fibrilación auricular	Fibrilación ventricular	
	Aleteo auricular	Infarto de miocardio (etapa aguda)	
	Contracción Ventricular Prematura	Infarto de miocardio (etapa subaguda)	
	Taquicardia ventricular	Infarto de miocardio (etapa crónica)	





Reflejo pupilar





Auscultación de sonidos pulmonares

Evaluación Física Modo 1

Casos de Paciente

Los 12 escenarios de paciente de Physiko cubren padecimientos típicos como dolor de pecho y falta de aire.

Menú de inicio



Seleccionar un paciente



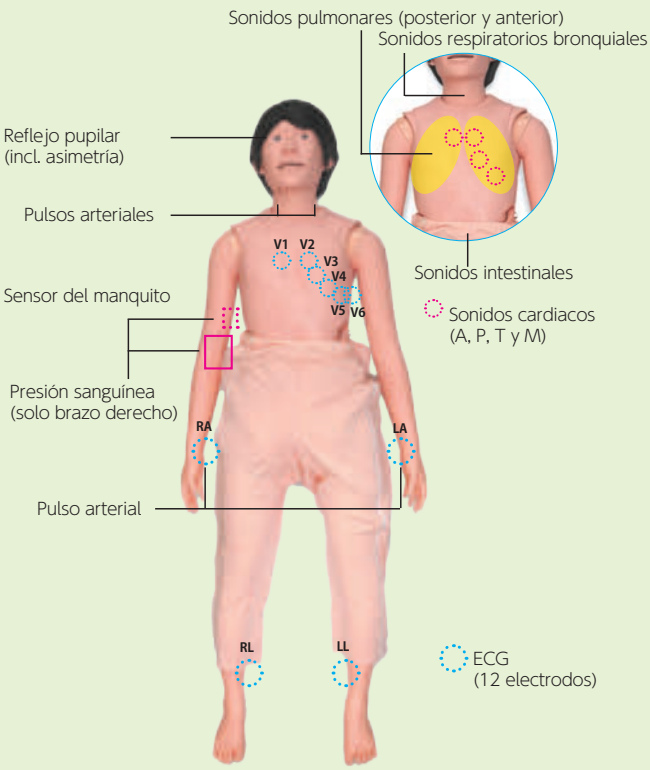
Inicio de sesión



Casos Examen comprensivo de 12 pacientes típicos

Caso	Edad, Sexo	Condición
Dolor de pecho	58, Masculino	Infarto de Miocardio
	55, Masculino	Aneurisma Aórtica Disecante
	76, Femenino	Infarto Pulmonar
	28, Masculino	Dolor del Músculo Intercostal
Dolor abdominal	26, Femenino	Ileo
	19, Masculino	Diarrea

Caso	Edad, Sexo	Condición
Inconsciente	36, Femenino	Hipertención Cerebral
Falta de aire	84, Femenino	Neumonia
	66, Masculino	Enfermedad Pulmonar Obstructiva Crónica (EPOC)
	70, Masculino	Fibrosis Pulmonar
	73, Masculino	Insuficiencia Cardiaca
	21, Femenino	Anemia



Evaluación Física Modo 2

Editor de Casos de Paciente

Los usuarios pueden crear nuevos pacientes simulados seleccionando de entre las opciones predeterminadas.



Evaluación Física

Entrenamiento de Técnicas

Physiko permite el entrenamiento de técnicas de evaluación individuales.



DESCRIPCION

ESPECIFICACIONES

Tamaño: 155cm/61 plgds Peso: 24kg/53lbs
Voltaje: AC100V-240V 50/60Hz
Consumo energético: 70W

CONTENIDO DEL JUEGO

1 maniquí
1 caja de terminales
1 unidad de electrodos de ECG
1 laptop
1 unidad de esfigmomanómetro
1 juego de ropa
1 micrófono

MATERIALES

Resina blanda, resina dura
Libre de látex

M55B/C

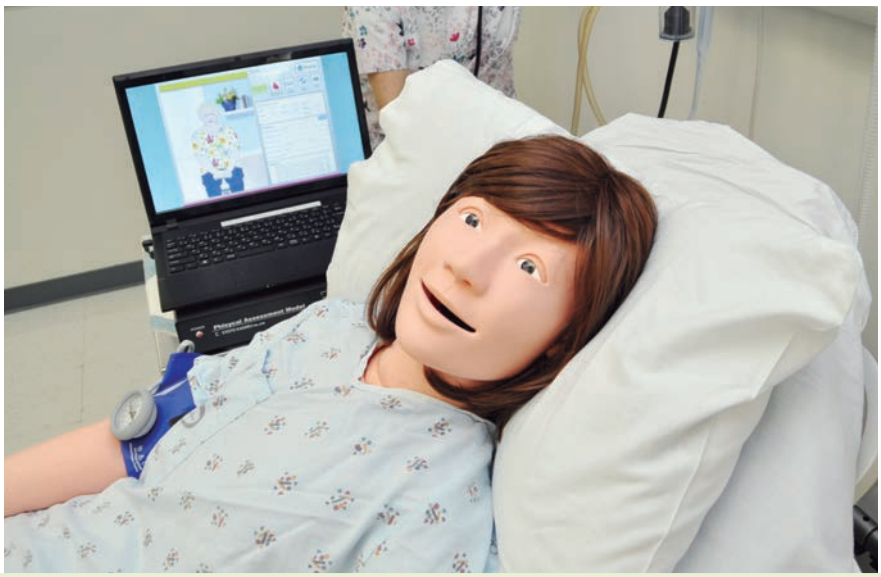
Simulador de Evaluación Física "Physiko" Plus

*M55C es la versión con CE

El módulo de Aprender a Escuchar abre posibilidades más amplias de entrenamiento.

Entrenamiento de "Aprender a Escuchar": enseñar a los estudiantes de medicina a anticipar, describir e identificar los hallazgos del examen físico.
El objetivo de "Aprender a Escuchar" es proporcionar a los alumnos una práctica deliberada en el reconocimiento e interpretación de los hallazgos clínicos obtenidos durante la auscultación del sonido cardíaco.

Supervisión del Producto
Toyoaki Yamauchi, MD, ND, PhD
Professor
Department of Nursing Graduate School of Medicine Nagoya University



CARACTERISTICAS CLAVE

Aprender a Escuchar

Nueve módulos con escenarios contrastados para facilitar el aprendizaje de todos los estudiantes de medicina y enfermería.
- En cada módulo se presentan pacientes preestablecidos para la evaluación física individual.
- Después de la evaluación física, los alumnos pueden realizar una prueba de sonido cardíaco programada.

Seleccione un módulo

Seleccione un paciente



Evaluación física



Examen de sonidos cardiacos





Evaluación Física Modo 1

Casos de Paciente

Los doce escenarios de pacientes preestablecidos de Physiko abarcan quejas típicas como dolor torácico y dificultad para respirar.

Menú de inicio



Seleccionar un paciente

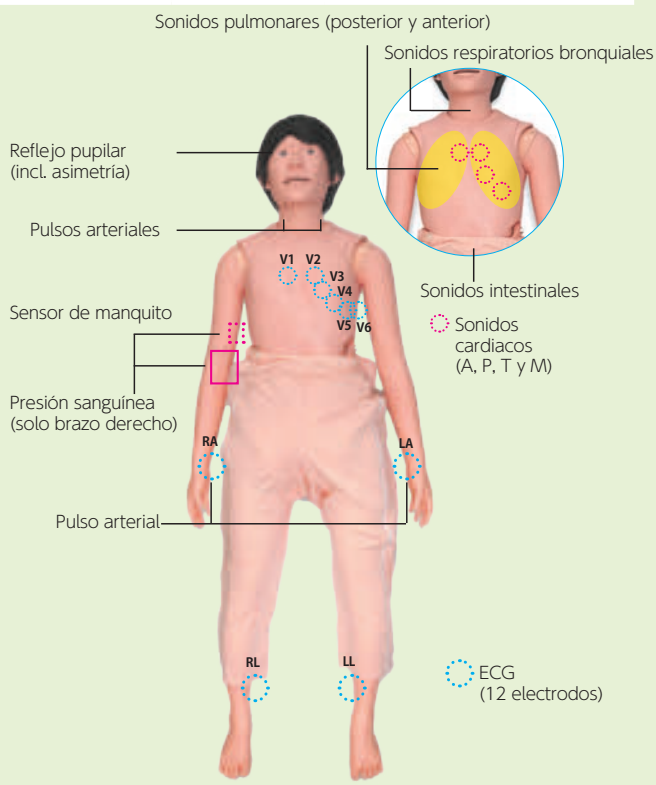


Iniciar sesión



Casos Examen comprensivo de 12 pacientes típicos

Caso	Edad, Sexo	Condición
Dolor de pecho	58, Masculino	Infarto de Miocardio
	55, Masculino	Aneurisma Aórtica Disecante
	76, Femenino	Infarto Pulmonar
	28, Masculino	Dolor del Músculo Intercostal
Dolor abdominal	26, Femenino	Ileo
	19, Masculino	Diarrea
Inconsciente	36, Femenino	Hipertención Cerebral
Falta de aire	84, Femenino	Neumonia
	66, Masculino	Enfermedad Pulmonar Obstructiva Crónica (EPOC)
	70, Masculino	Fibrosis Pulmonar
	73, Masculino	Insuficiencia Cardíaca
	21, Femenino	Anemia



Evaluación Física Modo 2

Editor de Casos de Paciente

Los usuarios pueden crear nuevos pacientes simulados seleccionando de entre las opciones predeterminadas.





Evaluación Física

Entrenamiento de Técnicas

Physiko permite el entrenamiento de técnicas de evaluación individuales.



- Reflejo pupilar
- Presión sanguínea
- Auscultación de sonidos pulmonares
- Auscultación de sonidos cardiacos
- Auscultación de sonidos intestinales
- Simulación de ECG

DESCRIPCION

ESPECIFICACIONES

Tamaño: 155cm/61 plgds Peso: 24kg/53lbs
Voltaje: AC100V-240V 50/60Hz
Consumo energético: 70W

CONTENIDO DEL JUEGO

1	maniquí
1	caja de terminales
1	Unidad de electrodos de ECG*
1	laptop
1	unidad de esfigmomanómetro
1	juego de ropa
1	micrófono

MATERIALES

Resina blanda, resina dura
Libre de látex

*La unidad de electrodos de ECG no está incluida en el M55C

MW10

Simulador "K" de Paciente de Cardiología Ver. 2

Afine sus sentidos y habilidades en examinación cardiológica

Vea, escuche y sienta.
El Simulador "K" de Paciente de Cardiología Ver.2 ofrece un entrenamiento práctico completo de cardiología y sus complicaciones.

Supervisión del Producto:

Japanese Educational Clinical Cardiology Society,
Toshio Amano, Masaya Kino,
Takaharu Saito, Tsunekazu Takashina



CASOS

(MODO 1) Simulación de paciente integral con sonidos, pulsos, pulsos apicales y ECG.

No.	Simulación cardiaca normal (12 casos)
A-01	desdoblamiento S2 (-) FC: 60
A-02	desdoblamiento S1 (+)
A-03	desdoblamiento S2 (+)
A-04	desdoblamiento S2 ancho
A-05	galope S3
A-06	galope S4
A-07	sonido eyectivo pulmonar
A-08	galope S3 y S4
A-09	soplo inofensivo
A-10	clic mesosistólico
A-11	desdoblamiento S2 (-) FC: 72
A-12	desdoblamiento S2 (-) FC: 84

No.	Simulación de enfermedades cardiacas (14 casos
B-01	estenosis aórtica
B-02	regurgitación mitral
B-03	estenosis mitral
B-04	regurgitación aórtica
B-05	miocardiopatía hipertrófica
B-06	estenoregurgitación mitral
B-07	estenosis pulmonar
B-08	defecto del tabique auricular
B-09	defecto del tabique ventricular
B-10	regurgitación tricúspide
B-11	regurgitación mitral aguda
B-12	conducto arterioso persistente
B-13	prolapso de la válvula mitral
B-14	miocardiopatía dilatada

No.	Arritmia (10 casos)
C-01	arritmia sinusal
C-02	taquicardia sinusal
C-03	bradicardia sinusal
C-04	contracción ventricular prematura (1)
C-05	contracción ventricular prematura (2)
C-06	contracción ventricular prematura (3)
C-07	bloqueo sinoauricular
C-08	bloqueo atrioventricular
C-09	fibrilación auricular
C-10	aleteo aurícular

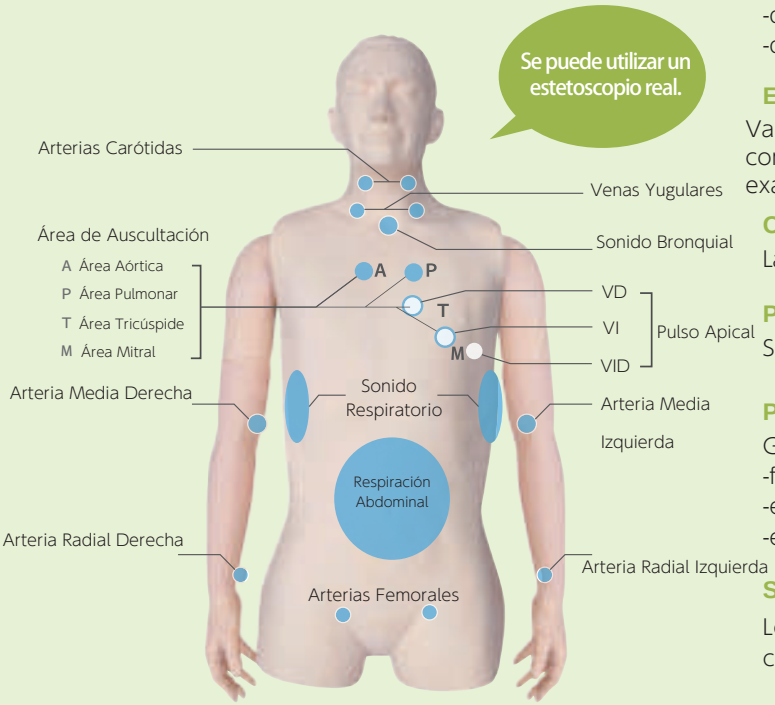
(MODO 2) Simulación de arritmia, práctica de auscultación con ECG

A		B		C		D	
A-01	ritmo sinus normal	B-01	aleteo auricular	C-01	marcapasos VVI	D-01	cvp (quadrigémina)
A-02	taquicardia sinusal	B-02	bloqueo av	C-02	marcapasos auricular	D-02	cvp (trigémina)
A-03	arritmia sinusal	B-03	bloqueo av y brdc	C-03	marcapasos ventricular	D-03	cvp (bigémina)
A-04	lap solitario	B-04	bloqueo av (digitálico)	C-04	marcapasos av secuencial	D-04	cvp (coplada)
A-05	lap bigénimo	B-05	bloqueo av (mobitz)	C-05	bloqueo de rama derecha	D-05	cvp (repetitiva)
A-06	latido auricular ectópico	B-06	bloqueo av (mobitz)	C-06	incompleto	D-06	cvp (R sobre T)
A-07	latido prematuro de la unión	B-07	bloqueo av (3:1 y 4:1)	C-07	bloqueo de rama derecha completo	D-07	tv no sostenida
A-08	ritmo sinusal coronario	B-08	bavc y brdc	C-08	bloque de rama izquierda completo	D-08	taquicardia ventricular
A-09	bradicardia sinusal	B-09	taquicardia auricular	C-09	bric (por IMA)	D-09	aleteo ventricular
A-10	síndrome de Sjögren	B-10	aroxística	C-10	síndrome de WPW	D-10	fibrilación ventricular
A-11	fibrilación auricular	B-11	taquicardia de la unión AV	C-11	síndrome de WPW	D-11	ritmo ventricular (conducción sinusal)
A-12	aleteo auricular	B-12	latido de la unión AV (TAP)	C-12	síndrome de WPW	D-12	ritmo ventricular acelerado
A-13	aleteo y fibrilación auricular	B-13	latido de la unión AV	C-13	cvp solitaria	D-13	ritmo agonal
			latido de escape de la unión				

Entrenamiento de Técnicas Básicas

Hallazgos físicos del Simulador "K" ver.2

Entrenamiento del Examen Clínico Comprensivo



Sonidos y Soplos Cardíacos

Auscultación sincronizada con electrocardiograma y hallazgos
-diferenciación de S1, S2, S3 y S4
-distinción entre los soplos sistólicos y diastólicos

Examen de Pulso

Variaciones leves de las ondas del pulso arterial bajo diferentes condiciones cardíacas y arritmias pueden ser detectadas por el examen de pulso.

Observación de las Venas Yugulares

La fuerza y tiempo de las ondas "α " y "V" varian con los casos.

Palpación de Pulso Apical

Se pueden palpar los VD, VI y VID simulados.

Pantalla de Monitoreo

Gráficos dinámicos en tiempo real en la pantalla:
-fonocardiograma
-esfigmograma (PAC/PVY/CA)
-electrocardiograma (ECG)

Sonidos Respiratorios y Movimiento Abdominal

Los ciclos respiratorios se representan para entender las condiciones respiratorias.

Para sesiones de entrenamiento más efectivas

Hasta 5 simuladores a la vez

En el ECOE, sesión en grupo y simulación basada en escenarios



Hasta 5 casos simulados de cardiología se pueden controlar con una tablet sin cable. Se puede ajustar diferentes condiciones para cada simulador.
El sistema ofrece:
-práctica basada en escenaro que involucra más de un paciente.
-sesión de evaluación de las técnicas con diferentes estaciones cardiovasculares.

Sistema de Lista de Reproducción

El Simulador "K" no es solo para el entrenamiento de tareas individuales. El "Editor de Lista de Reproducción" incorporado facilita la creación de las sesiones de entrenamiento basadas en escenario cuyas condiciones varian a través del tiempo.

Editor de Lista de Reproducción facilita:

-sesiones con el cambio temporal de los hallazgos físicos
-estandarización de los contenidos de entrenamiento entre diferentes instructores.
-ahorrar el tiempo de preparación

Listo para usar

Conexión simple y estructura de la unidad de todo en uno

Indicador de Errores

El indicador de errores realiza la verificación del sistema para manterner el Simulador "K" en su mejor condición.

DESCRIPCION

ESPECIFICACIONES

Tamaño: 145 x 75 x 170 cm/57 x 30 x 70 plgds
Peso: 145kg/320lbs
Voltaje: AC100V-240V 50/60Hz
Consumo energético: 400W

MATERIALES

Resina blanda, resina dura
Libre de látex

CONTENIDO DEL JUEGO

- 1 unidad principal con el cuerpo de modelo
- 1 parlante externo (incorporado en la unidad)
- 1 PC/ teclado/ ratón (incorporado en la unidad)
- 1 unidad de compresor de aire (incorporado)
- 1 monitor principal
- 1 tablet de control
- 1 lámina de costillas
- 1 cubierta de protección
- 4 libros de texto
- 2 manual de instruccioness
  - -archivo de ayuda instalado en el programa
  - -manual de instrucciones

* El estetoscopio no está incluido.

MW28

Entrenador de Auscultación Pulmonar "LSAT" Ver.2

Se utiliza en el 96% de las facultades médicas de Japón

Mejore sus habilidades de evaluación pulmonar combinando la teoría y práctica con la grabación de sonidos pulmonares reales e información de casos.

Supervisión del Producto

Chiharu Yoshii, M.D., Ph.D.,
Assistant Professor
Masamitsu Kido, M.D., Ph.D., Professor
Division of Respiratory Disease, University of Occupational and Environmental Health, Japan





*El estetoscopio no está incluido.

CASOS

Los sonidos cardíacos de fondo están disponibles en 5 niveles de volumen.

Normales	
A01	estándar
A03	sonidos ligeramente fuertes
A05	ligeramente rápidos
A07	sonidos cardíacos fuertes

Crepitaciones gruesas	
C01	área derecha inferior
C03	áreas bilaterales inferiores
C05	área derecha media y superior
C07	área izquierda inferior
C09	áreas bilaterales superiores
C11	todas las áreas

Sibilancias	
E01	área superior 600-700Hz
E03	área superior 350-450Hz
E05	área superior 200-1000Hz

Sonidos misceláneos continuos	
G01	estridores
G03	pitidos

Anormales	
B01	débil: área izquierda inferior
B02	débil: todas las áreas izquierdas (adhesión)
B05	débil: todas las áreas izquierdas (neumotórax)
B07	ausente: áreas derechas media e inferior
B09	débil: todas las áreas derechas
B11	ausente: todas las áreas derechas
B13	débil: todas las áreas
B15	respiración bronquial

Crepitaciones finas	
D01	áreas bilaterales inferiroes
D03	áreas bilaterales medio inferiores
D05	todas las áreas (FPI)
D07	todas las áreas (NINE)

Roncus	
F01	tráquea y área superior 150-250Hz
F03	tráquea y área superior 150-450Hz
	(polifónico)
F05	tráquea y área superior 80-120Hz
F07	todas las áreas 80-200Hz

Misceláneos	
H01	roces pleurales:
	área derecha inferior
H03	roces pleurales:
	área izquierda inferior
H07	signo de Hamman
H09	frémito vocal

CARACTERISTICAS CLAVE

CARACTERISTICAS BASICAS



Anterior

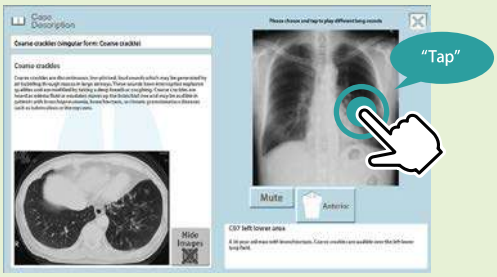
1. tráquea
2. campo pulmonar derecho superior
3. campo pulmonar izquierdo superior
4. campo pulmonar izquierdo medio
5. campo pulmonar derecho medio
6. campo pulmonar derecho inferior
7. campo pulmonar izquierdo inferior

Posterior

0. campo pulmonar izquierdo superior
1. campo pulmonar derecho superior
2. campo pulmonar derecho medio
3. campo pulmonar izquierdo medio
4. campo pulmonar izquierdo inferior
5. campo pulmonar derecho inferior
6. ángulo costofrénico derecho
7. ángulo costofrénico izquierdo

INFORMACION DEL CASO

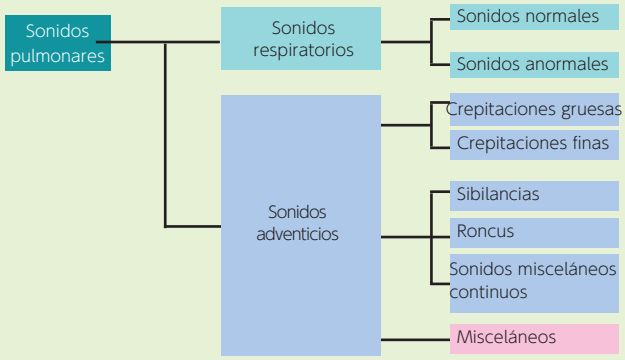
Imágenes de rayos X, TC y broncoscopio incluidas.



Los sonidos pulmonares de cada área se pueden reproducir por puntear la imagen de rayos X.

Clasificación de los sonidos pulmonares

Basado en el análisis acústico de los sonidos pulmonares grabados, cada uno se clasifica conforme a los estándares de la Sociedad Torácica Americana. Con este método, los sonidos pulmonares se categorizan como continuos (sibilancias, roncus, o estridor) o descontinuos (crepitaciones). Las crepitaciones se identifican más detalladamente como finas y gruesas.



NUEVAS CARACTERISTICAS

Operación con unidades múltiples sin cable

Hasta cinco "LSAT" pueden ser controlados por una tablet de control sin cable.



- Cada simulador puede ser programado individualmente.
- Los casos se pueden cambiar en cualquier momento con un toque.



Auscultación simultánea en el lado anterior y posterior

Dos o más alumnos pueden trabajar juntos al mismo tiempo.



Panel de LED para indicar la inspiración y espiración

Atención a la frecuencia respiratoria mientras el entrenado está auscultando durante el examen.



Crear una Lista de Reproducción Personalizada

Con 36 casos diferentes
El modo de lista de reproducción facilita la optimización de las sesiones de entrenamiento.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A39 x P49 x A127 cm /
A15.3 x P19.3 x A50 plgds

Voltaje: AC100V-240V 50/60Hz

Consumo energético 180W

MATERIALES

Resina blanda
Libre de látex

CONTENIDO DEL JUEGO

1	unidad principal LSAT2
1	parlante externo
1	tablet de control
1	camiseta LSAT
1	manual de instrucciones

MW12

Simulador de Examen de Oído II

Practique una atención centrada en el paciente durante la otoscopia

EAR II es un simulador de otoscopia que se enfoca en la seguridad del paciente.
Con su sistema de alarma sensitiva, la incomodidad del paciente puede ser alertada cuando el otoscopio se inserta excesivamente.



CARACTERISTICAS CLAVE



Alarma contra inserción dolorosa



Cambio rápido entre los casos

CARACTERISTICAS

1 | Alarma contra inserción dolorosa:
-pitido (modo de autoaprendizaje)
-silenciosa, luz roja/ luz amarilla (modo de instructor)
2 | 9 casos predeterminados
3 | Cambio rápido entre los casos
4 | Los canales auditivos vienen en 2 tamaños normal y estenosis
5 | Incluye cuerpos extraños y cerumen simulados
6 | Oído anatómicamente preciso y suave cuya aurícula se puede jalar para enderezar el canal auditivo
7 | Funciona con otoscopios reales
8 | El cuello del maniquí se puede inclinar
9 | El entrenamiento se puede realizar con los oídos derecho e izquierdo

TECNICAS

| Examen de oído con otoscopia directa
| Extracción de cerumen y cuerpos extraños

CASOS

| normal
| otitis media serosa (OMS)
| otitis media mucosa (OMM)
| otitis media crónica con perforación
| otitis media suprativa aguda (OMA)
| colesteatoma
| timpanoesclerosis
| perforaciones traumáticas
| bloqueo por cerumen



normal



colesteatoma

DESCRIPCION

Para conocer los códigos de producto de las versiones de tonos de piel alternativos de este modelo, consulte www.kyotokagaku.com.

ESPECIFICACIONES

Tamaño: 42 x 22 x 39 cm / 16.5 x 8.7 x 15.3 plgds Peso: 1.75kg / 3.85lbs

CONTENIDO DEL JUEGO

1 maniquí de cabeza y hombros
1 kit de extracción de cuerpos extraños
-cerumen simulado, juguetes pequeños, fragmentos pequeños de esponja, y cuchara
1 manual de instrucciones
1 tipos de uniddes de oído -1 par de c/u
-Oídos para examen (normal)
-Oídos para examen (estenosis)
-Oídos FB (normal)
-Oídos FB (estenosis)

REPUESTOS

11391-010 Unidades de oído y set de cuerpos extraños
4 tipos de unidades del oído -1 par de cada tipo
-examen del oído (normal), examen del oído (estenosis), oídos para
-cuerpos extraños (normal), oídos para cuerpos extraños (estenosis)
-1 kit de extracción de cuerpos extraños:
cerumen simulado, juguetes pequeños,
fragmentos pequeños de esponja y cuchara

M82

Simulador de Examen de Ojo (3 pasos)

M82A

Simulador de Examen de Ojo (2 pasos)

Simulador práctico de examen de fondo de ojo con 10 imágenes y variaciones clínicas

Supervisión del Producto

Japan Society for Medical Education
Working Group with the cooperation of:
Kansai Medical University
Department of Ophthalmology

Un entrenador innovador para examen de fondo de ojo
compatible con oftalmoscopios reales
Varios casos se pueden representar cambiando las imágenes, y diámetro de la pupila.







◀ fondo de ojo normal



◀ retinopatía hipertensiva

CARACTERISTICAS

1 | 10 imágenes de fondo de ojo de casos de enfermedades oculares comunes
2 | Imágenes clínicas reales
3 | Unidades de globo ocular con lente que simulan el eje visual de los ojos reales
4 | Material blando y suave que hace el contorno del párpado realista
5 | Profundidad ajustable de las imágenes de fondo: hipermetropía, normal y miopía
6 | Tamaños de pupila ajustables en 3 pasos para el M82, y 2 pasos para el M82A

TECNICAS

| Examen de fondo de ojo con oftalmoscopio directo

CASOS

| Fondo normal
| Retinopatía hipertensiva:
- vasoconstricción arterial del 3er grado
- arteriolosclerosis de 1er grado
- hemorragias y focos algodonosos
- oclusión de las venas sencilla

| Retinopatía diabética:
microaneurisma, hemorragias y exudados duros
| Papiledema (crónico)
| Papiledema (agudo)
| Atrofia optica glaucomatosa:
ahuecamiento del disco óptico glaucomatoso y defecto de fibra nerviosa
| Oclusión de las venas retinianas (aguda):
hemorragia en forma de llama y focos algodonosos
| Oclusión de las venas retinianas
(después de la fotocoagulación con láser)
| Toxoplasmosis: coriorretinitis
| Degeneración macular senil:
exudados maculares y hemorragia subretinal

※El M82A incluye dos imágenes de casos normales.

DESCRIPCION

Para conocer los códigos de producto de las versiones de tonos de piel alternativos de este modelo, consulte www.kyotokagaku.com.

ESPECIFICACIONES

Tamaño: A42 x P22 x A39 cm / A16.5 x P8.7 x A15.4 plgds Peso: 2kg / 4.4lbs

CONTENIDO DEL JUEGO

1 maniquí de cabeza y hombros	1 set de imágenes de casos
- 3 tamaños de pupila (2, 3.5, 5 mm dia.) *M82	1 limpiador de imágenes
- 2 tamaños de pupila (3.5, 8mm dia.) *M82A	1 caja de almacenamiento
1 - 1 portador de imágenes 3 niveles de profundidad	1 manual de instrucciones

MATERIALES

*Latex presente en el soplador

REPUESTOS

11220-010 1 repuesto de imágenes de casos de fondo de ojo (set de 10 casos)

*El Oftalmoscopio no está incluido.

MW45

Simulador de Hisopado Nasofaríngeo

Para capacitar a profesionales de la salud que realizan pruebas de virus por primera vez





CARACTERISTICAS

1 | Cuando el hisopo alcanza la posición correcta en la cavidad nasal, el hisopo se pigmentará de color azul
2 | Se puede practicar la forma de usar el bajalenguas

3 | La forma de la cavidad nasal derecha e izquierda es diferente
4 | El producto viene con un modelo explicativo de corte transversal.

TECNICAS

Capacitación a profesionales de la salud que realizan pruebas de virus por primera vez.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A42 x P23 x A38 cm/ A16.8 x P9.2 x A15.2 plgds
Peso: 2.15 kg / 4.73 lbs

MATERIALES

Resina blanda, resina dura
Libre de látex

CONTENIDO DEL JUEGO

1	modelo principal
1	modelo explicativo de corte transversal
1	jeringa (10ml)
1	vaso desechable
10	palillos de pigmento azul (juego de 10)
1	manual de instrucciones
1	caja de almacenamiento
6	almohadillas de repuesto

REPUESTOS

11426-010	almohadilla de repuesto (set de 5)
11402-010	palillos de pigmento azul (set de10)

MW60

Simulador de Traqueotomía

Simulador para traqueotomía percutánea, punción e incisión del ligamento cricotiroideo





CARACTERISTICAS

1 | Cartílago cricoides anatómicamente correcto y cartílago tiroides con sensación táctil realista.
2 | Múltiples usos posibles mediante la rotación de las pieles del cuello.
3 | Discos adhesivos para sujetar la cabeza del maniquí durante el procedimiento.

TECNICAS

| Traqueotomía percutánea
| Punción e incisión del ligamento cricotiroideo

DESCRIPCION

ESPECIFICACIONES

Tamaño: A13.5 x P24 x A12.5cm Peso: 1.7kg
A17.7 x P7.9 x A9.8 plgds

CONTENIDO DEL JUEGO

1	Cuerpo principal
1	Piel para traqueotomía
1	Tejido subcutáneo para traqueotomía
1	Cartílago cricoides
1	Manual de instrucciones

MATERIALES

Resina blanda, resina dura
Libre de látex

REPUESTOS

11442-010 Piel para traqueotomía (set de 3)
11442-020 Tejido subcutáneo para traqueotomía (set de 3)

M92

Simulador de Examen Rectal Digital

El Simulador de Examen Rectal Digital es un entrenador único diseñado para el entrenamiento en palpación para identificar tumores rectales y pólipos.





CARACTERISTICAS

1 | 4 unidades de recto intercambiables para la identificación de tipos de lesiones
2 | También se palpa la próstata normal o el endocérvix
3 | El recto realista es palpable hasta 7 cm de profundidad
4 | La resistencia del esfínter de alta fidelidad y la sensación de la pared del recto permiten una excelente capacitación práctica en ERD antes de examinar a pacientes reales

TECNICAS

Palpación digital de la próstata

DESCRIPCION

ESPECIFICACIONES

Tamaño: A37 x P28 x A30 cm

REPUESTOS

11269-210 1 unidad de recto #1 (normal)
11269-220 1 unidad de recto #2 (cáncer A)
11269-230 1 unidad de recto #3 (cáncer B)
11269-240 1 unidad de recto #4 (recto con pólipos)
11269-150 1 unidad de próstata
11269-160 1 unidad de endocérvix

CONTENIDO DEL JUEGO

1	torso lumbar (unisex)
4	unidades de recto:
	1 normal
	2 cánceres de recto
	1 recto con pólipos
1	unidad de próstata
1	unidad de endocérvix
1	bote de Vaselina
1	caja de almacenamiento
1	manual de instrucciones

M53B

Simulador de Examen de Próstata

El Simulador de Examen de Próstata proporciona un entrenamiento realista en técnicas de palpación de próstata con su material suave y realista en el ano y el recto.



CARACTERISTICAS

1 | Diez casos de próstata se colocan en una mesa giratoria dentro del cuerpo.
2 | Los casos son fácilmente cambiables
3 | Son posibles tres posiciones del paciente: posición supina, prona y lateral

TECNICAS

Palpación digital de la próstata

CASOS

2 normales, 2 agrandamientos, 5 carcinomas, 1 prostatitis

DESCRIPCIÓN

ESPECIFICACIONES

Tamaño: A30 x P36 x A24 cm
A11.8 x P14.2 x A9.4 plgds
Peso: 5.1kg/ 10.9lbs

MATERIALES

Resina blanda, resina dura
Líbre de látex

CONTENIDO DEL JUEGO

1	torso lumbar masculino
1	unidad giratoria
	10 casos de próstata: 2 normales, 2 agrandamientos, 5 carcinomas y 1 prostatitis
1	gel lubricante
1	par de guantes
1	caja de almacenamiento
1	manual de instrucciones

REPUESTOS

11272-040 1 almohadilla para el ano

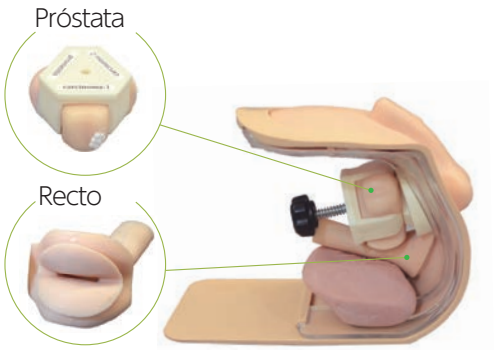
MW20

Simulador Prostático y Rectal

Simulador 2-en-1 para exámenes de próstata y recto

El Simulador Prostático y Rectal incluye 9 tipos de próstata y 4 tipos de recto que se pueden cambiar fácilmente. El maniquí del torso inferior se puede posicionar en 3 diferentes maneras.





CARACTERISTICAS

1 | Nueve tipos de próstata simulando diferentes escenarios
2 | Cuatro unidades rectales
3 | Entrenamiento con múltiples casos de próstata y recto son concurrentes y eficientes en términos de tiempo
4 | Posicionamientos lateral, supino y prono
5 | 3 unidades giratorias con 9 próstatas permiten cambiar los casos fácilmente.

TECNICAS

| Examen digital de próstata y recto
| Inserción y uso del colonoscopio y proctoscopio

CARACTERISTICAS CLAVE

Casos: Nueve tipos de Próstata



#1 normal	#4 prostatitis	#7 carcinoma 3
#2 engrandecimiento1	#5 carcinoma 1	#8 carcinoma 4
#3 engrandecimiento2	#6 carcinoma 2	#9 carcinoma 5

Casos: Cuatro Unidades Rectales



#1 normal	#3 carcinoma grande
#2 carcinoma pequeño	#4 pólipo con carcinoma pequeño

DESCRIPCION

ESPECIFICACIONES

Tamaño: 34 x 33 x 24 cm/13.4 x 13 x 9.4 plgds

CONTENIDO DEL JUEGO

1	maniquí del torso inferior	4	unidades rectales
3	unidades de próstata	1	Vaselina
	(incluyen 9 tipos de próstata)	1	caja de almacenamiento

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11399010 unidad de próstata A(normal, engrandecimiento 1 y 2)
11399020 unidad de próstata B(prostatitis, carcinoma 1 y 2)
11399030 unidad de próstata C(carcinoma 3, 4 y 5)
11399040 recto (normal)
11399050 recto (carcinoma pequeño)
11399060 recto (carcinoma grande)
11399070 recto (pólipo con carcioma pequeño)
11399080 piel

US-11

Fantoma Escrotal para Ultrasonido

Domine las técnicas para el examen seguro y sin dolor

Entrenamiento en mano para diagnosticar las anormalidades escrotales con precisión.

Supervisión del Producto
Charlotte Henningsen, MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences



CARACTERISTICAS

1 | Dos tipos de escroto intercambiables: normal y patológico
2 | Excelente calidad de las imágenes de ultrasonido

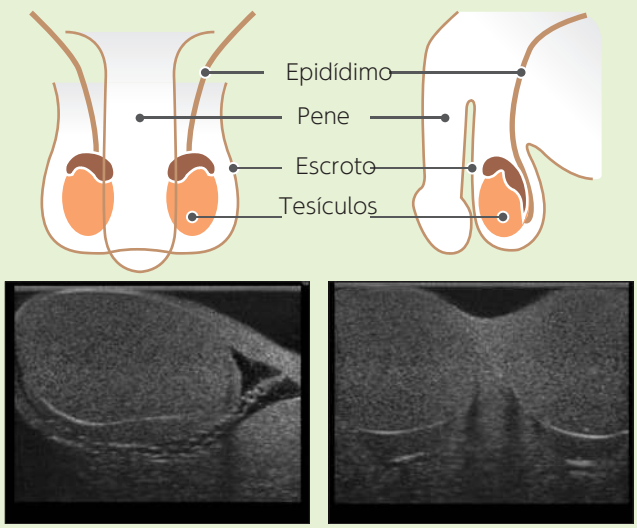
TECNICAS

| Posicionamiento del paciente y preparación para el examen
| Examen de ultrasonido escrotal
| Visualización del cáncer de testículo

CARACTERISTICAS CLAVE

Fantoma normal

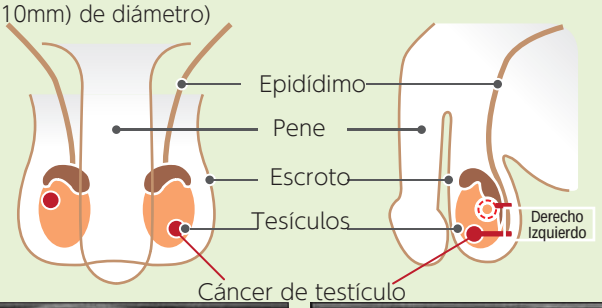
-escroto, tesículos, epidídimos y pene



Fantoma patológico

-escroto, test ículos, epidídimos y pene

-cáncer de testículo (uno por cada testículo izquierdo y derecho, 10mm) de diámetro)





DESCRIPCION

ESPECIFICACIONES

Tamaño: 34 x 33 x 24 cm/13.4 x 13 x 9.4 plgds Peso: 3.6kg / 7.9lbs

CONTENIDO DEL JUEGO

1	cuerpo pélvico
1	escroto normal
1	escroto patológico
1	caja de almacenamiento
1	manual de instrucciones
1	talco en polvo

REPUESTOS

41911-010 1 unidad de escroto normal
41911-020 1 unidad de escroto patológico

* El aparato de ultrasonido no está incluido.

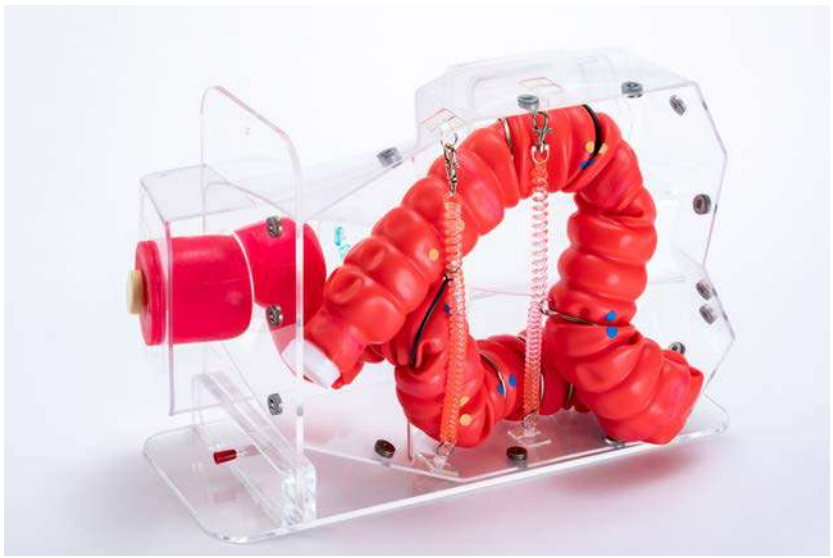
MW24

Entrenador de Colonoscopio 3D NKS

Representación tridimensional del colon, basada en estudios analíticos de los datos de Colonoscopia por TC

Supervisión del Producto
Katuhisa Noda, MD, Noda-Genki Clinic
Takatoshi Kitada, MD, Kitada Clinic
Yasumoto Suzuki, MD, Matsushima Clinic

La estructura tridimensional del colon ofrece el entrenamiento de una variedad de técnicas como la prevención de formación de bucles, reducción de los mismos incluyendo técnicas de inserción que forman bucles intencionalmente.




Bucle alfa pequeño


Bucle alfa largo


Bucle N

CARACTERISTICAS

1 | El cuerpo transparente permite una observación directa de la ubicación de la punta del colonoscopio dentro del colon.
2 | Anatomía rectal estable: el simulador está diseñado para adquirir las habilidades de colonoscopia que utilizan las tres válvulas de Houston como puntos de referencia, que aparecen en los mismos sitios siempre.
3 | El colon sigmoide se puede ajustar para tomar una de las tres morfologías más comunes. Los patrones se pueden cambiar rápidamente deslizando los puntos de fijación y moviendo el tubo del colon.
4 | El simulador es resistente al agua y se puede limpiar fácilmente con agua.
5 | Ligero y compacto, facilitando el manejo y transportación.

TECNICAS

| Inserción de colonoscopio en tres patrones:
-Bucle alfa pequeño (método de pull)
-Bucle alfa largo (método de push)
-Bucle N (método de pull/push)
| Inserción del colonoscopio en tres posiciones:
-Lateral izquierdo
-Lateral derecho
-Supina
| Compresión abdominal manual

DESCRIPCION

ESPECIFICACIONES
Tamaño: 43 x 28 x 16 cm/17 x 11 x 6.3 plgds
Peso: 6kg / 13.2lbs

MATERIALES
Resina blanda, resina dura
Líbre de látex

CONTENIDO DEL JUEGO

1	cuerpo transparente
1	membrana abdominal
1	base para cuerpo
1	tubo de colonrecto (con una tapa y tapón)
1	tapete antideslizante
1	jarra de plástico
15	lubricante
15	gel para colonoscopio
1	caja de almacenamiento
1	manual de instrucciones

REPUESTOS
11403-010
tubo colon-rectal con tapa y enchufe para MW24
11403-020
lubricante empaque azul (15x50ml)
11403-030
gel para endoscopio (15x20ml)

* El colonoscopio no está incluido.

M40

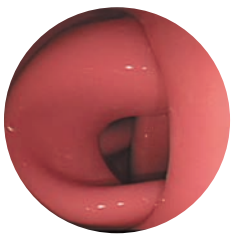
Entrenador de Colonoscopia

Entrenamiento para colonoscopia segura y efectiva

El tubo del colon suave y flexible ofrece una simulación de colonoscopia realista
Con un enfoque de seguridad del paciente, las técnicas como prevención de "bucle" se pueden practicar para el avance seguro por el intestino







CARACTERISTICAS

1 | Ofrece una variedad de niveles de dificultad, desde los casos simples, no complicados hasta los complicados.
2 | El tubo de colon es hermético, permitiendo la insuflación y succión de aire.
3 | La abertura del esfínter anal se puede ajustar con una bomba esférica manual.

TECNICAS

| Colonoscopia

CARACTERISTICAS CLAVE

Selección de diferentes niveles de dificultad de entrenamiento





Abertura del ano ajustable





Posicionamiento del cuerpo





DESCRIPCION

ESPECIFICACIONES

Tamaño: 48 x 22 x 30 cm/18.9 x 8.7 x 11.9 plgds

Peso: 6.5kg / 14.3lbs

CONTENIDO DEL JUEGO

1	modelo abdominal
1	tubo de colonrecto
1	unidad anal
1	bomba de aire
1	cobertura de piel abdominal
1	set de fijaciones de colon
5	guías de diseño de colon (6 casos en total)
30	lubricantes para tubo colonrectal (50 ml c/u)
30	lubricantes de endoscopio (20ml cada uno)
1	botella plástica
1	soporte
1	hoja de caucho
1	tapón de ano
1	guía de práctica
1	caja de almacenamiento
1	manual de instrucciones

MATERIALES

Resina blanda, resina dura
Libre de látex

REPUESTOS

11361-010	1 tubo de colonrecto
11361-020	1 unidad anal
11361-030	1 set de fijaciones de colon
11361-120	1 set de guías de diseño de colon
11361-040	lubricantes para el tubo de colon-recto (paquetes azules) 30 und x 50 ml
11361-050	lubricante de endoscopio (paquetes rosados) 30 und x 20 ml
11361-090	tapón de ano para M40
11361-100	botella plástica para MW40
11361-110	soporte para M40

*El endoscopio no está incluido.

US-1B

Fantoma de Ecografía Abdominal con Patologías "ABDFAN"

Fantoma de ultrasonido abdominal con patologías

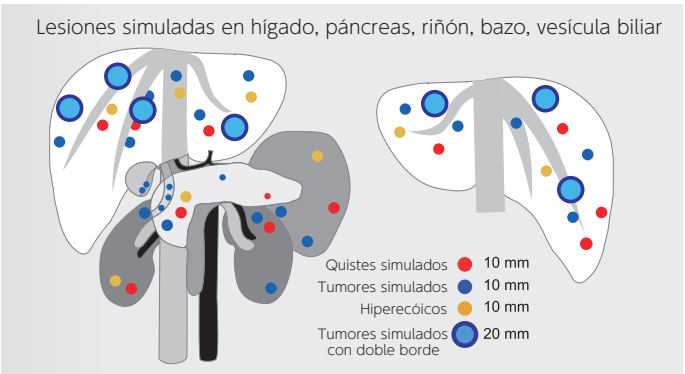
Unico fantoma de ultrasonido abdominal de alta fidelidad que facilita el entrenamiento efectivo compatible con aparatos de ultrasonido reales

Supervisión del Producto
Junji Machi, MD, PhD
University of Hawaii at Manoa and
Kuakini Medical Center





*EL FULL SET
incluye el modelo
anatómico "ECHO-ZOU"



CARACTERISTICAS

1 | Anatomía hepatobiliar, pacreática y abdominal detallada
2 | Los ocho segmentos hepáticos de Couinaud se pueden localizar
3 | ABDFAN tiene varias lesiones simuladas para proveer una variedad más amplia de entrenamiento

TECNICAS

| Bases de sonografía abdominal:
-Cortes seccionales y anatomía sonográfica
-Demostración sonográfica de cada órgano individual
-Localización de los segmentos hepáticos de Couinaud

ANATOMIA

| Hígado
(anatomía segmental, sistemas venosos portal y hepático, ligamentos teres y venoso)
| Conducto biliar
(vesícula, conducto cístico, conductos biliares intra y extrahepaticos)
| Páncreas (conducto pancreático)
| Bazo / riñones
| Estructuras vasculares detalladas
(aorta, vena cava, tronco celíaco y sus ramas, vena portal y sus ramas, vasos mesentéricos superiores, vasos renales, y más)

PATOLOGÍAS

| Lesiones hepáticas (císticas y sólidas)
| Cálculos en vesícula y conducto biliar
| Tumores pancreáticos
(una vena portal invasiva)
| Lesiones esplénicas
| Lesiones en ambos riñones
| Tumor suprarrenal izquierdo





DESCRIPCION

ESPECIFICACIONES

Tamaño: 29x19x31cm / 11.4x7x12.2 plgds Peso: 12kg / 26.5lbs

MATERIALES

Elastómero de poliuretano
Líbre de látex

* El aparato de ultrasonido no está incluido

CONTENIDO DEL JUEGO

	US-1B (41900-030) "ABDFAN"
1	fantoma de ultrasonido
1	"ABDFAN"
1	almohada de posicionamiento
1	tutorial en DVD
1	caja de almacenamiento
	manual de instrucciones

	US-1B (41900-100) "ABDFAN" FULL SET
1	fantoma de ultrasonido "ABDFAN"
1	modelo anatómico "ECHO-ZOU"
1	almohada de posicionamiento
1	tutorial en DVD
1	caja de almacenamiento
1	manual de instrucciones

US-1

Fantoma de Ecografía Abdominal "ECHOZY"

Fantoma abdominal de ultrasonido sin patologías

Único fantoma de ultrasonido abdominal de alta fidelidad que facilita el entrenamiento efectivo compatible con aparatos de ultrasonido reales

Supervisión del Producto
Dr. Hitoshi Asai, Director
Osaka Kyoiku University, Health Administration Center
Dr. Shigeru Nakamura
Nagayoshi General Hospital, Clinical Examination Department





*EL FULL SET
incluye el modelo
anatómico "ECHO-ZOU"

CARACTERISTICAS

1 | Anatomía detallada hepatobiliar, pacreática y abdominal

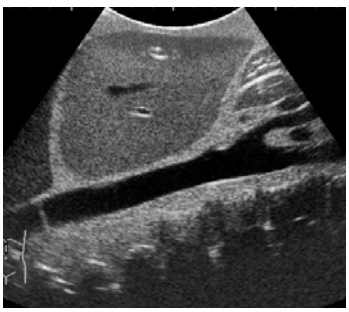
2 | Los ocho segmentos hepáticos de Couinaud se pueden localizar

TECNICAS

| Bases de sonografía abdominal:
-Cortes seccionales y anatomía sonográfica
-Demostración sonográfica de cada órgano individual
-Localización de los segmentos hepáticos de Couinaud

ANATOMIA

| Hígado
(anatomía segmental, sistemas venosos portal y hepático, ligamentos teres y venoso)
| Conducto biliar
(vesícula, conducto cístico, conductos biliares intra y extrahepáticos)
| Páncreas (conducto pancreático)
| Bazo / riñones
| Estructuras vasculares detalladas
(aorta, vena cava, tronco celíaco y sus ramas, vena portal y sus ramas, vasos mesentéricos superiores, vasos renales, y más)





DESCRIPCION

ESPECIFICACIONES

Tamaño: 29 x 19 x 31 cm/11.4 x 7 x 12.2 plgds Peso: 12kg / 26.5lbs

MATERIALES

Elastómero de poliuretano
Libre de látex

*** El aparato de ultrasonido no está incluido**

CONTENIDO DEL JUEGO

US-1 (41900-010) "ECHOZY"	
1	fantoma de ultrasonido "ECHOZY"
1	almohada de posicionamiento
1	talco en polvo
1	caja de almacenamiento

US-1 (41900-000) "ECHOZY" FULL SET	
1	fantoma de ultrasonido "ECHOZY"
1	modelo anatómico "ECHO-ZOU"
1	almohada de posicionamiento
1	tutorial en DVD
1	talco en polvo
2	caja de almacenamientos

US-22

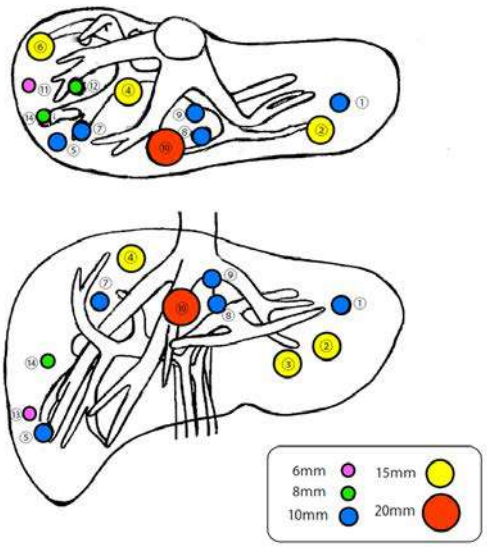
Fantoma Abdominal de Modalidad Dual (TC, Ultrasonido)

NEW

Este fantoma de modalidad dual es un elemento adecuado para realizar estudios y capacitación en fusión de imágenes para una amplia gama de aplicaciones clínicas (TC y ultrasonido).

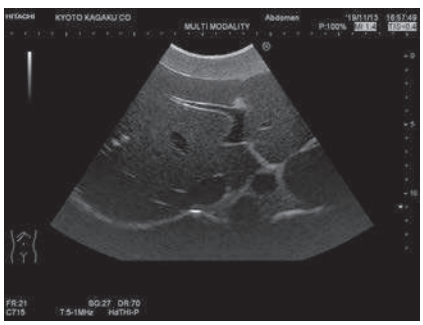


Hallazgos Integrados (Hígado)



CARACTERISTICAS

1 | Entrenamiento en generación de imágenes Fusionadas
2 | Mapeo para biopsia (los procedimientos invasivos no son posibles de realizar con este fantoma)
3 | Planificación quirúrgica
4 | Planificación de radioterapia
5 | Capacitación en técnicas de escaneo con Ultrasonido y TC



Imágenes de Ultrasonido (Hígado)



Imágenes de TC (Hígado)

DESCRIPCION

ESPECIFICACIONES

Tamaño: A29 x P19 x A31 cm/ A11.4 x P7.5 x A12.2 plgds

Peso: 12 kg/26.5 lbs

US-3

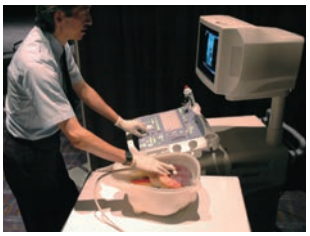
Fantoma de Ultrasonido Abdominal Intraoperatorio y Laparoscópico "IOUSFAN"

Herramienta de entrenamiento efectiva para examen de ultrasonido abdominal intraoperatorio

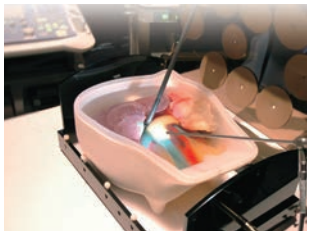
Fantoma de órganos abdominales para simular exámenes de ultrasonido durante cirugía abierta y laparoscópica

Supervisión del Producto
Junji Machi, MD, PhD
University of Hawaii at Manoa and Kuakini Medical Center

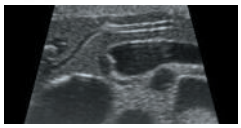




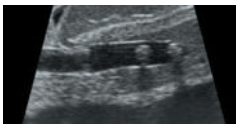
Ultrasonido intraoperativo



Ultrasonido laparoscópico



Cabeza del páncreas



Cálculos en conducto biliar



Cálculos biliares

FEATURES

1 | Los materiales blandos del fantoma permiten la manipulación realista de la sonda
2 | Varias lesiones simuladas
3 | Estómago y duodeno desmontables para varios procedimientos de escaneo del conducto biliar y páncreas

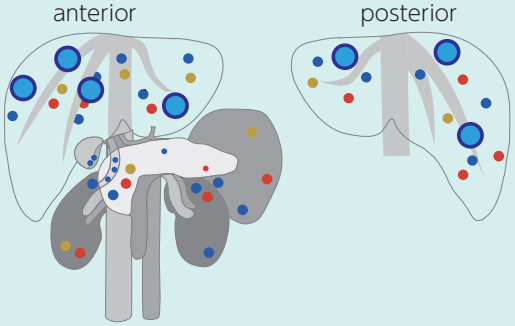
TECNICAS

| Examen de ultrasonido abdominal intraoperativo
| Examen de ultrasonido laparoscópico

ANATOMIA y PATOLOGIAS

Hígado
| anatomía segmental
| sistemas venosos portal y hepático
| ligamentos teres y venoso
Conducto biliar
| vesícula
| conducto cístico
| conductos biliares intra y extra hepáticos
Páncreas
| conducto pancreático
Bazo
Riñones
Estructuras vasculares detalladas
| aorta
| vena cava
| tronco celíaco y sus ramas
| vena portal y sus ramas
| vasos mesentéricos superiores
| vasos renales
Cálculos biliares y quistes
Tumores sólidos en higado, páncreas, bazo y riñones
| hipoecóico
| hiperecóico

Sitios con Patologías



- Quistes simulados 1 cm / 0.4 in
- Hiperecóicos 1 cm / 0.4 in
- Tumores simulados 1 cm / 0.4 in
- Tumores simulados con doble borde 2 cm / 0 8 in

DESCRIPCION

ESPECIFICACIONES

Tamaño: A30 x P38 x A17.5 cm
A11.8 x P15 x A6.9 plgds

Peso: 5.8kg / 12.8lbs

MATERIALES

Elastómero de poliuretano
Líbre de látex

INSTRUMENTOS RECOMENDADOS

-

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido de abdomen superior
1	fantoma de ultrasonido de estómago
1	contenedor del fantoma
1	tutorial en DVD
1	manual de instrucciones

*El aparato de ultrasonido no está incluido.

M99

Simulador de Punción Arterial

Un simulador esencial para aumentar la confianza y competencia

Supervisión del Producto

Dr. Hiroshi Koyama,
Medical Director, General Internal Medicine
National Hospital Organization
Kyoto Medical Center

El muestreo de sangre arterial y canulación son procedimientos comunes pero delicados. Con el diseño innovador del simulador de punción arterial, se puede simular una experiencia realista para asegurar lás técnicas correctas y mejorar la competencia.



CARACTERISTICAS

1 | Pulso arterial palpable
2 | Resistencia del tejido a la aguja realista y pared arterial
3 | Flujo de retorno realista
4 | Se puede simular la colocación de la vía arterial radial
5 | No queda ninguna huella de punción en el área de inyección
6 | Conexiones sencillas y libres de derrame de líquidos

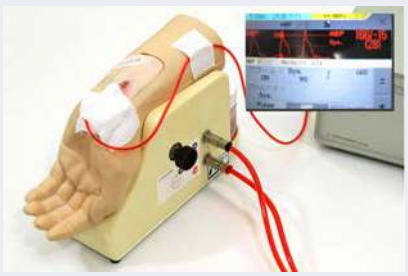
TECNICAS

| Punción arterial radial
| Muestreo de sangre arterial
| Colocación de la vía radial





Colocación de la Vía Arterial Radial



Medición de Presión Sanguínea Arterial
(Los valores de presión arterial no se simulan)

DESCRIPCION

Para conocer los códigos de producto de las versiones de tonos de piel alternativos de este modelo, consulte www.kyotokagaku.com.

ESPECIFICACIONES

Tamaño: A11 x P30 x A17 cm / A4.3 x P11.8 x A6.7 plgds (maniquí)
A20 x P16 x A13 cm / A7.9 x P6.3 x A5.1 plgds (bomba)
Peso: 1.5kg/3.3lbs
Voltaje: AC100-240V, 50/60 Hz

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

AGB Kit 22-25G

CONTENIDO DEL JUEGO

1	modelo de muñeca y mano	1	jarro de polvo de tinta (rojo)	1	jeringa
1	bomba de circulación	1	cuchara	1	caja de almacenamiento
2	sets de pieles para punción (interna y externa)	2	jarros plásticos	1	manual de instrucciones
4	tubos arteriales	2	tubos de conexión		
1	cinta de silicona	1	lamina de vinilo		

REPUESTOS

11351-010	1 set de pieles de repuesto
11351-030	4 cintas de silicona de repuesto
11351-040	4 tubos arteriales de repuesto
11388-400	jarro de pigmento en polvo

MW18

Simulador de PICC Guiado por Ultrasonido

Material nuevo, innovador y similar al humano para una visualización perfecta

Un diseño simple con almohadilla de punción reemplazable y características anatómicamente precisas incluyendo la caja torácica, esternón y bifurcación, además inserción de la aguja del catéter visible en la vena cava superior



Supervisión del Producto

Joho Tokumine, M.D., Ph.D.,
Department of Anesthesiology,
Kyorin University School of Medicine







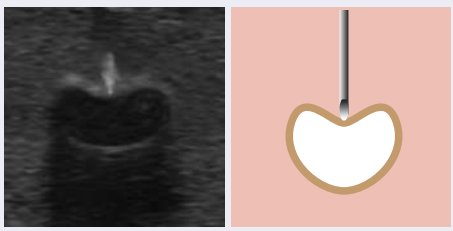
CARACTERISTICAS

1 | Excelente calidad de imágenes y visualización de la punta de la aguja para el acceso venoso guiado por ultrasonido
2 | Hombro movible para demostrar su posicionamiento
3 | El flujo de retorno realista en la aguja provee una confirmación del éxito en el acceso venoso
4 | Las costillas y clavícula derecha proveen el entendimiento anatómico de la inserción PICC correcta
5 | Bifurcación de vena anatómicamente correcta
6 | Simulación de la mala colocación de cánula

TECNICAS

| Asegurarse del confort y posición del paciente
| Higiene de mano y preparación del campo esteril
| Identificación del sitio de punción
| Inserción guiada por ultrasonido
| Inserción de dilatador y cable de guía
| Inserción de vaina
| Inserción de catéter

CARACTERISTICAS CLAVE



Punción guiada por ultrasonido



Hombro movible



Mala colocación

DESCRIPCION

ESPECIFICACIONES

Tamaño: A79 x P38 x A18 cm Peso: 4.5kg/10lbs
A31 x P14.9 x A7 plgds

CONTENIDO DEL JUEGO

1	torso con el brazo derecho
2	almohadillas de punción PICC
10	sangre simulada (tipo hisopo)
1	jarro
1	jeringa
1	manual de instrucciones
1	caja de almacenamiento

MATERIALES

Resina blanda, resina dura
Libre de látex

REPLACEMENT PARTS

11398-010 2 almohadillas de punción PICC

INSTRUMENTOS RECOMENDADOS

catéter PICC 4Fr., 50-60cm

* La almohadilla de punción requiere de condiciones especiales de almacenamiento. Favor de consultar el manual de usuario para mayor información.

*El aparato de ultrasonido y utensilios de PICC no están incluidos.

M93UB

Simulador de Punción CVC II

Conduzca un entrenamiento realista de CVC con la ayuda de 3 almohadillas intercambiables



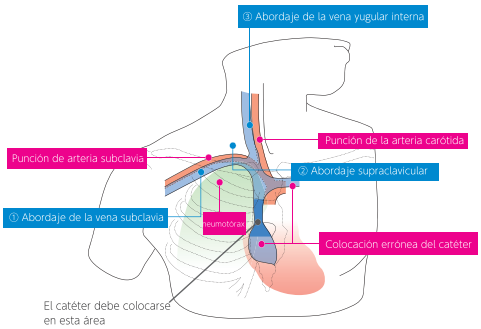
Supervisión del Producto

Masahiro Tanabe, M.D., Ph.D., Professor Director General Medical Education Center Chiba University School of Medicine

Kinya Sando, M.D., Ph.D., Professor Director Department of Human Dietetics Graduate School of Human Science Osaka Shoin Women's University

Masanori Hoki, M.D., Ph.D., Professor Department of Human Dietetics Graduate School of Human Science Osaka Shoin Women's University

Joho Tokumine, M.D.Ph.D., Department of Anesthesia, Kawatetsu Chiba Hospital



CARACTERISTICAS

1 | Punción ecogiada de CVC realista
2 | La almohadilla de punción con puntos de referencia y provista de bifurcaciones venosas anatómicamente correctas, simula complicaciones mecánicas incluyendo neumotórax, deslocalización y punción arterial
3 | Bloque anatómico transparente para el entendimiento anatómico y manipulación del cable guía
4 | Bloque de entrenamiento introductorio de ultrasonido para adquirir las bases del acceso venoso ecoguiado
5 | Ambas venas interna yugular y subclávica (axiliar) son accesibles

TECNICAS

| Punción CVC ecoguiada
| Punción CVC guiada por hitos anatómicos
| Acceso venoso ecoguiado
| Prevención de complicaciones mecánicas

CARACTERISTICAS CLAVE



Bloque anatómico transparente



Bloque de práctica básica de ultrasonido



Almohadilla de Punción Ecoguiada

DESCRIPCION

ESPECIFICACIONES

Tamaño: A40 x P20 x A34 cm
A15.8 x P7.9 x A13.4 plgds

Peso: 2.3kg/5lbs

1	torso superior masculino
1	almohadilla de punción con hitos
1	almohadilla de punción por ultrasonido
1	bloque anatómico transparente
1	cubierta de piel para bloque anatómico
1	bloque de práctica básica de ultrasonido
10	palillos de pigmento rojo
10	palillos de pigmento azul
1	bombilla de aire
2	jarros de plástico

MATERIALES

Resina blanda
Libre de látex

1	botella de riego
1	jeringa (2.5ml, 50ml each)
1	aguja de muestra

REPUESTOS

11347-119	2 lmohadilla de punción con hitos anatómicos
11347-170	2 almohadilla de punción por ultrasonido
11347-210	2 bloques de práctica básica de ultrasonido
11347-320	botella de riego
11388-400	10 palillos de pigmento rojo
11402-010	10 palillos de pigmento azul

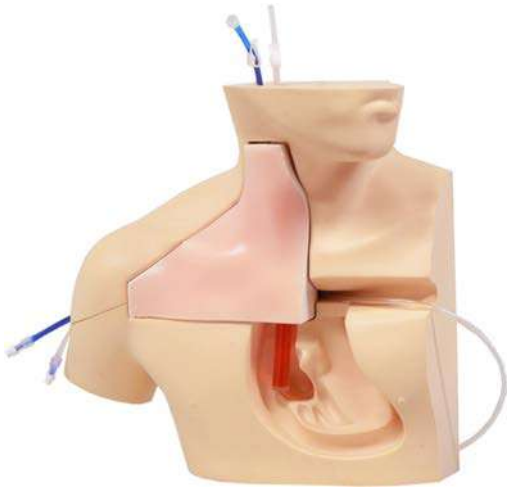
*El aparato de ultrasonido y utensilios de CVC no están incluidos.

M93C

Simulador de Inserción CVC III

El Simulador de Inserción CVC III provee una experiencia realista de la secuencia de pasos de la inserción de CVC para un entrenamiento especializado

Desde la preparación del campo aséptico hasta la colocación del catéter









CARACTERISTICAS

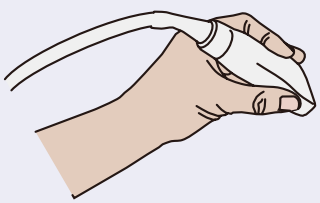
1 | La práctica de inserción repetitiva facilita obtener mejores técnicas para la seguridad del paciente
2 | Ambas técnicas de inserción con hitos anatómicos y ecoguiada se pueden practicar
3 | Almohadilla del simulador similar al tejido humano sin fricción para facilitar la sensación realista de colocación de CVC

TECNICAS

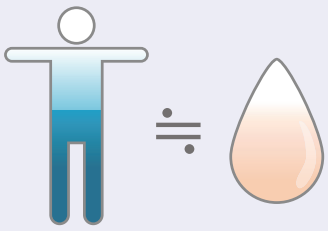
Siga los pasos completos para una inserción exitosa de CVC

| Desmpeño de prácticas de higiene de manos y preparación del campo aséptico
| Determinación del sitio de punción ecoguiada o por palpación de hitos anatómicos
| Inserción de catéter ecoguiada o por palpación de hitos anatómicos
| Confirmación del flujo de retorno
| Inserción del cable de guía y vaina
| Inserción de catéter

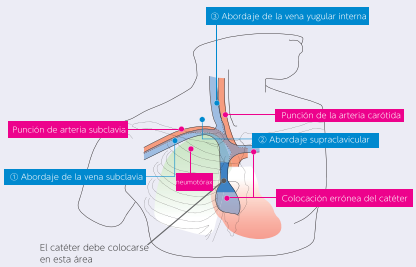
CARACTERISTICAS CLAVE



Compatible con ultrasonido



El material de la almohadilla simula las características del tejido humano



Características anatómicamente precisas incluyendo 3 sitio de inserción y caja torácica

DESCRIPCION

ESPECIFICACIONES

Tamaño: A40 x P20 x A34 cm
A15.7 x P8 x A13.5 plgds

CONTENIDO DEL JUEGO

1	torso superior masculino
2	almohadilla de inserción de CVC
1	bloque anatómico transparente
1	cubierta de piel para bloque anatómico
2	tubos para arterias (transparentes): 2 tipos
2	tubos para venas (azul): 2 tipos
2	mangueras para venas
1	unidad de pulsación (para palpación)
1	botella de riego (para técnica ecoguiada)
1	jarros de plástico
1	aguja de muestra
1	jeringa (una de cada tipo 2.5ml, 50ml)
1	bloque de práctica básica de ultrasonido

*El aparato de ultrasonido y utensilios de CVC no están incluidos.

MATERIALS

Resina blanda, hydrogel, resina dura
Líbre de látex

REPUESTOS

11347-210	2 bloque de práctica básica de ultrasonido
11347-240	2 almohadillas de inserción CVC
11347-260	1 unidad de pulsación
11347-320	botella de riego

* La almohadilla de punción requiere de condiciones especiales de almacenamiento. Favor de consultar el manual de usuario para mayor información.

MW4

Simulador Ecográfico de Toracocentesis

MW4A

Simulador Ecográfico de Toracocentesis -Set sujetable-

MW15

Simulador Ecográfico de Pericardiocentesis

MW17

Simulador Ecográfico de Toracocentesis/ Pericardiocentesis

Supervisión del Producto

Takahiro Amano, M.D.
Vice President
Senior Vice-Dean, Postgraduate School
Professor and Director,
Center of Postgraduate Medical Education
International University of Health and Welfare
Honorary Director, Sanno Medical Center



TECNICAS **Toracocentesis**

- Posicionamiento del paciente
- Reconocimiento de hitos anatómicos con ultrasonido
- Evaluación del nivel y volumen de derrame pleural
- Determinación del sitio de la punción
- Inserción de aguja y recolección de líquido

TECNICAS **Pericardiocentesis**

- Posicionamiento del paciente
- Visualización del líquido pericárdico con ultrasonido
- Palpación de hitos anatómicos
- Inserción de aguja en el espacio pericárdico
- Aspiración de derrame pericárdico

DESCRIPCION

CONTENIDO DEL JUEGO

		MW4	MW4A	MW15	MW17
1	modelo torácico adulto	✓		✓	✓
1	unidad de línea axilar media	✓	✓		✓
1	unidad de línea escapular media	✓	✓		✓
1	unidad de pericardiocentesis			✓	✓
1	almohada para posicionamiento	✓		✓	✓
1	modelo de explicación de toracocentesis	✓			✓
1	manual de instrucciones	✓	✓	✓	✓

Accesorios

		MW4	MW4A	MW15	MW17
1	irrigador	✓			✓
1	embudo	✓	✓		✓
1	jeringa (50ml)	✓	✓	✓	✓ x2
1	manguera con junta			✓	✓
1	tubo para llave de 3 vías	✓	✓		✓
1	jarro plástico	✓	✓		✓

Toracocentesis

Simule la toracocentesis en un torso y con Paciente Estandarizado

El Simulador de Toracocentesis Guiada por Ultrasonido es utilizable para dos tipos de punción: acceso de líneas escapular media y axilar media. La unidad de punción sujetable (vestible) facilita las sesiones de entrenamiento híbrido con pacientes estandarizados.

CARACTERISTICAS

1 | Costillas palpables
2 | Inserción de punta de aguja y resistencia contra inserción realistas
3 | Unidades sujetables para practicar posicionamiento del paciente y comunicación
4 | Dos sitios de acceso: línea escapular media derecha y línea axilar media izquierda
5 | El volumen de derrame pleural se puede controlar para ajustar diferentes niveles de dificultad
6 | Torso para entrenamiento independiente (Solo para MW4)

















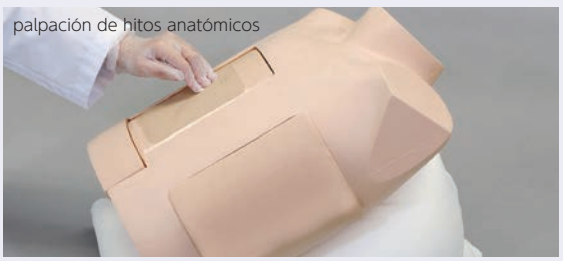
Pericardiocentesis

Practique el cuidado de la seguridad del paciente durante la pericariocentesis con guía de ultrasonido

Este simulador permite a los practicantes insertar la aguja bajo guía de ultrasonido, acceder al saco pericárdico y extraer el líquido

CARACTERISTICAS

1 | Almohadilla de punción durable y reemplazable
2 | Practique ambos accesos xifoide y paraesternal con ayuda de hitos anatómicos palpables y ecóicos
3 | Sensación realista de la punta de la aguja durante la punción del "saco pericárdico"



Identificación del "punto de Larrey" (unión xifoesternal izquierda) para inserción de aguja





Inserción de aguja al espacio pericárdico con la guía de ultrasonido Los ventrículos, costillas, pericardio, hígado y arteria principal se pueden visualizar

DESCRIPCION

ESPECIFICACIONES

Tamaño del Torso:
A40 x P25 x A50 cm / 15.7 x 9.9 x 19.7 plgds
Tamaño de la almohadilla para Toracentésis:
A16 x P7 x A21 cm / 6.3 x 2.76 x 8.3 plgds
Tamaño de la almohadilla para Pericardiocentésis:
A16 x P14 x A21 cm / 6.3 x 5.6 x 8.3 plgds
Peso: 9.65kg / 21.27lbs

MATERIALES

Resina blanda, resina dura
Líbre de látex

REPUESTOS

11383010 unidad de almohadilla de punción de línea axilar media
11383020 unidad de almohadilla de punción de línea escapular media
11383030 pulmón de repuesto
11394010 almohadilla para MW15/MW17

] para el MW14, MW17, MW4A

INSTRUMENTOS RECOMENDADOS

Toracocentesis: aguja de 22 G/ 23 G
Pericardiocentesis: aguja de 18 G

M74

Simulador para Inyección Intramuscular en Glúteo

Entrenamiendo en Inyección Intramuscular de 3 formas

Este simulador está diseñado para practicar las tres formas de inyección en la cadera y los glúteos. El indicador incorporado muestra la precisión de la colocación de la aguja y su profundidad.

Supervisión del Producto

Dr. Hiroshi Koyama,
Medical Director, General Internal Medicine
National Hospital Organization Kyoto Medical Center



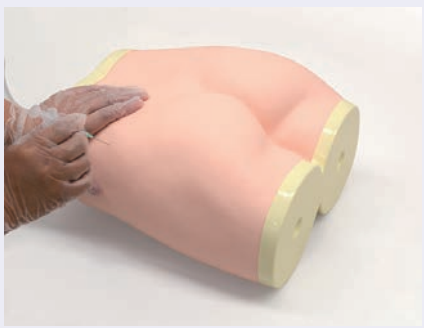
CARACTERISTICAS

1 | El maniquí del torso inferior de tamaño natural consta de tres capas: piel, músculo y esqueleto.
2 | Se puede palpar el trocánter mayor, la espina ilíaca anterosuperior y el escromo para identificar los sitios de inyección.
3 | Tres métodos de inyección intramuscular: Quarter-Trichotomy, Método Hochstetter y Método Clark.
4 | El indicador muestra la precisión de la colocación de la aguja y su profundidad.
5 | La colocación correcta de la aguja se puede confirmar si se puede inyectar líquido.

TECNICAS

| Inyección intramuscular







DESCRIPCION

ESPECIFICACIONES

Tamaño: A32 x P35 x A20 cm
A20 x P16 x A13 plgds

Peso: 3.2kg / 7.05lbs

CONTENIDO DEL JUEGO

1 maniquí de torso inferior	1 manual de instrucciones
1 soporte para el método de Hochstetter	
1 indicador	
1 adaptador de corriente alterna	
1 juego de almohadillas sensoras	

MATERIALS

Resina blanda
Líbre de látex

INSTRUMENTOS RECOMENDADOS

aguja IM 21-23G

REPUESTOS

11213-010 piel
11213-020 sensor para almohadilla antipinchazos
11213-030 sensor para el sitio de Hochstetter
11213-040 sensor para el sitio de Clark

M67C

Entrenador de Inyección Intramuscular con Correa

Para la práctica entre alumnos, pacientes simulados y maniquí, facilitando la comprensión del proceso de inyección intramuscular y la comunicación



CARACTERISTICAS

1 | Un tanque de agua está ubicado dentro del simulador.
2 | La sensación táctil realista de la piel y el acromion permite palpar el hito anatómico.
3 | Fácil de drenar.

TECNICAS

| Entrenamiento de inyección intramuscular
| Entrenamiento de aplicación de vacuna contra COVID-19

DESCRIPCION

ESPECIFICACIONES
Tamaño: A10.5 x P26 x A5.5 cm
A4.2 x P10.3 x A2.2 plgds

CONTENIDO DEL JUEGO
1 unidad principal
(marco, piel, tejido blando, músculo, acromion, depósito de drenaje, cinturones)
1 manual de instrucciones

MATERIALES
Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS
Aguja IM 23G

REPUESTOS
11297-220 piel de repuesto
11297-230 repuesto de tejido blando
11297-240 pieza muscular de reemplazo

MW64

NEW

Set de Entrenamiento en Vacunación

El set de entrenamiento en vacunación MW64 sin duda ayudará a capacitar a miles de trabajadores de la salud que participan en la vacunación contra el COVID-19 gracias a su simplicidad, facilidad de uso y diseño de bajo mantenimiento.



CARACTERISTICAS

1 | El proceso de acromion es palpable, lo que permite una práctica realista de la inyección IM.
2 | La almohadilla de inyección tiene incorporada una esponja muy absorbente, por lo que se puede inyectar líquido repetidamente.
3 | Este set de entrenamiento de vacunación se puede usar junto con los maniquíes de cuidado de paciente, y pacientes estandarizados.

TECNICAS

| Inyección intramuscular deltoides

*La profundidad de la almohadilla es de 11/2" (38,1 mm)

DESCRIPCION

ESPECIFICACIONES
Tamaño: A12 x P14 x A5.5 cm
A4.7 x P5.5 x A2.2 plgds

CONTENIDO DEL JUEGO
5 almohadillas de entrenamiento de vacunación
5 porta almohadillas
5 correa
1 manual de instrucciones

MATERIALES
Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS
aguja intramuscular 23G

REPUESTOS
11454-010 Almohadilla para juego de entrenamiento de vacunación (juego de 5)
11454-020 Almohadilla para juego de entrenamiento de vacunación

M43B/M43B-B

Simulador de Punción Lumbar IIA

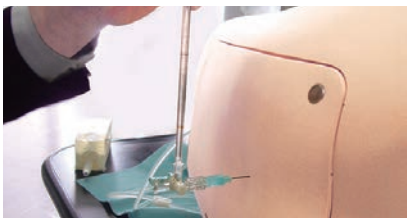
El mejor simulador del mundo para entrenamiento de técnicas de la punción lumbar y anestesia epidural

Cinco tipos de bloque de punción ofrecen la mejor experiencia de entrenamiento con diferentes casos



Supervisión del Producto

Takahiro Amano, M.D.
Vice President
Senior Vice-Dean, Postgraduate School
Professor and Director, Center of Postgraduate Medical Education
International University of Health and Welfare
Honorary Director, Sanno Medical Center





CARACTERISTICAS

1 | Anatómicamente preciso
2 | Resistencia realista de la piel y los tejidos durante la inserción
3 | Mida la presión del LCR, recolecte LCR y practique procedimientos de anestesia epidural
4 | Simula la administración del bloqueo del nervio epidural con sensación de aguja realista
5 | Simula la técnica de pérdida de resistencia
6 | Soporte del modelo para práctica individual o grupal.

TECNICAS

| Palpación de hitos anatómicos
| Punción Lumbar
| Recolección de LCR
| Medición de la presión del LCR
| Anestesia epidural
| Comprensión anatómica

*LCR: Líquido cefalorraquídeo

CARACTERISTICAS CLAVE

5 tipos de bloques de punción para tipos variables
| normal
| obesidad
| adulto mayor
| adulto mayor obeso
| epidural







DESCRIPCION

Para conocer los códigos de producto de las versiones de tonos de piel alternativos de este modelo, consulte www.kyotokagaku.com.

ESPECIFICACIONES

Tamaño: A33 x P22 x A30 cm
A13 x P8.7 x A11.8 plgds
Peso: 3.15kg / 6.9lbs

CONTENIDO DEL JUEGO

			M43B	M43B-B
1	modelo de región lumbar	2 normal LCR	✓	✓
1	cubierta de piel de la región lumbar	1 obesidad LCR	✓	✓
1	base de soporte (bilateral)	1 adulto mayor LCR	✓	
1	base de soporte (enseñanza grupal)	1 adulto mayor obeso LCR	✓	
		1 epidural	✓	✓
		1 modelo de columna lumbar	✓	✓

MATERIALES

Resina blanda
Libre de látex

1	bolsa de riego
1	jeringa
1	soporte para bolsa de riego
1	manual de instrucciones
1	caja de almacenamiento

INSTRUMENTOS RECOMENDADOS

REPUESTOS

11348-090 1 bloque de PL (normal LCR)
11348-110 1 bloque de PL (obeso LCR)
11348-120 1 bloque de PL (anciano LCR)
11348-130 1 bloque de PL (anciano obeso LCR)
11348-140 1 bloque epidural
11348-150 1 cobertura de piel de región lumbar
11348-160 1 base de soporte

M43E

Simulador Ecográfico de Punción Lumbar/ Epidural

Entrenamiento de punción lumbar con guía de ultrasonido

El bloque de punción anatómicamente correcto ofrece excelentes imágenes de ultrasonido







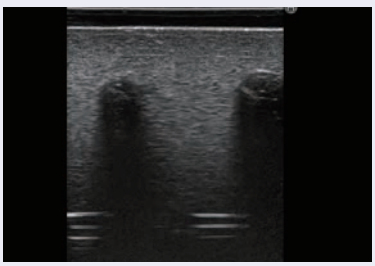
CARACTERISTICAS

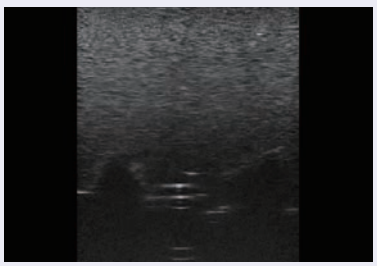
1 | Partes durables y reemplazables para prácticas repetitivas
2 | Ajustable a las posiciones supina y lateral
3 | El bloque translúcido deja visible la trayectoria de la aguja
4 | Partes intercambiables para el entrenamiento de otros procedimientos como el de hitos anatómicos y fluoroscópico

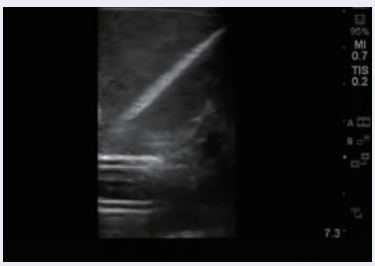
TECNICAS

| Punción lumbar ecoguiada
| Anestesia epidural ecoguiada
| Recolección del LCR y medición de su presión

IMÁGENES







DESCRIPCION

ESPECIFICACIONES

Tamaño: A33 x P21 x A30 cm
A13 x P8.3 x A11.8 plgds

MATERIALES

Resina blanda, Elastómero de poliuretano
Libre de látex

INSTRUMENTOS RECOMENDADOS

* El aparato de ultrasonido no está incluido

CONTENIDO DEL JUEGO

1 modelo de región lumbar
1 bloque de punción lumbar/ epidural de ultrasonido
1 cobertura de piel de región lumbar de ultrasonido
2 bases de soporte para región lumbar (posición supina/ posición lateral)
1 bolsa de riego
1 jeringa
1 portasueros para bolsa de riego
1 manual de instrucciones

REPUESTOS

11348-190 bloque de punción lumbar/epidural de ultrasonido
11348-230 cobertura de piel de región lumbar de ultrasonido para M43E

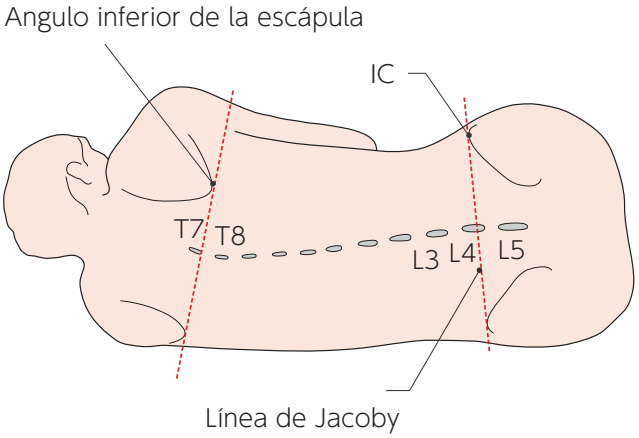
MW3

Simulador de Anestesia Epidural

Practique y realice la anestesia epidural con confianza

El Simulador de Anestesia Epidural ofrece múltiples métodos de entrenamiento en ambas áreas torácica y lumbar



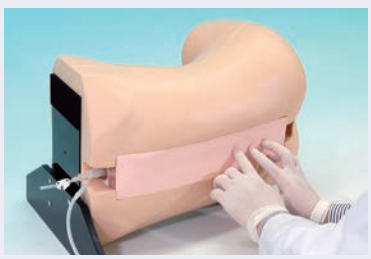


CARACTERISTICAS

1 | Resistencia realista al momento de insertar la aguja
2 | Posiciones laterales izquierda y derecha
3 | Simula la pérdida de resistencia de la solución salina o agua
4 | La ancha almohadilla de punción permite el acceso paramediano así como a la vía mediana

TECNICAS

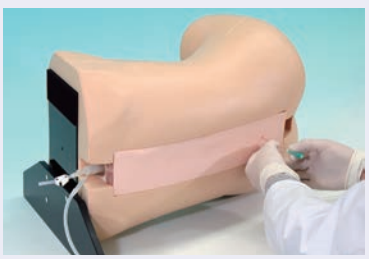
| Procedimientos de anestesia epidural en las areas lumbar y torácica
| Punción lumbar



Palpación de puntos de referencia



Anestesia epidural



Anestesia epidural

DESCRIPCION

ESPECIFICACIONES

Tamaño: A48 x P23 x A29 cm Peso: 5kg / 11lbs

1	torso unisex a escala real
5	almohadillas de punción
1	base de soporte
1	jeringa de 50ml
1	bolsa de drenaje
1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11382-010 2 almohadillas de punción de repuesto

INSTRUMENTOS RECOMENDADOS

Aguja epidural: 18G
Aguja espinal: 21G

MW49

Simulador de Brazo Intravenoso III

El antíguo M50B-B se ha renovado para satisfacer una gama más amplia de requisitos de formación



CARACTERISTICAS

1 | Dos tipos de almohadillas de inyección para la colocación de la línea venosa (antebrazo/dorso de la mano)
2 | Dos tipos de almohadillas de inyección para fosa cubital (normal y durable)
3 | Manga con anatomía de los vasos del brazo para una comprensión visual

TECNICAS

| Comprensión anatómica del brazo
| Extracción de sangre con tubo de vacío
| Palpación /Inyección intravenosa
| Colocación de cánula IV e infusión por goteo
| Recolección de sangre con jeringa /Confirmación del flujo de retorno

Dos tipos de almohadillas de inyección para fosa cubital - funcionan con bomba de circulación

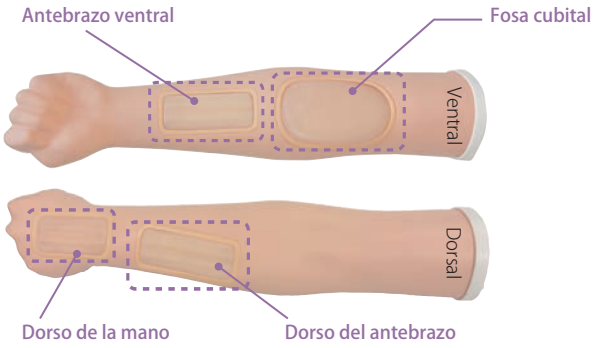


Almohadilla para el dorso de la mano



Almohadilla ventral/dorsal del antebrazo

Cuatro áreas de sitios de punción



Dos tipos de almohadillas de inyección para la colocación de líneas venosas - funcionan con botes/soportes



Almohadilla normal
Sensación realista.
Textura, sensación y resistencia a la aguja.
Tres líneas venosas accesibles representan vena basílica, vena mediana, y vena cefálica.

Almohadilla durable
Almohadilla de entrenamiento duradera para maximizar oportunidades de entrenamiento. Materiales de tejido de larga duración.
Ambas caras de la almohadilla contienen dos líneas venosas para entrenamiento.

DESCRIPCION

ESPECIFICACIONES

Size : A25 x P11x A3 cm

Power : AC100-240V 50/60Hz
Power Consumption : 5W

CONTENIDO DEL JUEGO

2 modelo de brazo	1 bomba de circulación con frasco de plástico
2 soporte de apoyo	2 botella con soporte (para sangre sim)
2 almohadilla de inyección (almohadilla normal	1 sangre simulada (paquete de 10 hisopos)
2 almohadilla de inyección (almohadilla durable	2 Mangas con anatomía de los vasos del brazo
4 almohadilla de inyección (antebrazo/antebraquial)	1 caja de almacenamiento
2 almohadilla de inyección (dorso de la mano)	1 manual de instrucciones

REPUESTOS

11267-300-03 Almohadilla R (juego de 2)
11430-020 Almohadilla D (juego de 2)
11388-200 almohadilla para antebrazo/antebraquial (juego de 2)
11388-300 almohadilla para el dorso de la mano (juego de 2)
11267-300-02 soporte de apoyo
11267-300-05 bomba de circulación
11388-400 10 bastoncillos de algodón rojo
11430-010 manga con anatomía de los vasos del brazo

INSTRUMENTOS RECOMENDADOS

- cánula IV 23G
- aguja 23G
- aguja mariposa 23G

MW50

Simulador de Venopunción Sujetable

Unidad de entrenamiento rentable para venopunción

El Simulador de Venopunción Sujetable es un kit de entrenamiento sencillo y económico para la inyección intravenosa. Este entrenador se puede sujetar en la parte superior del brazo de un PE (Paciente Estandarizado) o de maniquí de entrenamiento a escala real.



CARACTERISTICAS

1 | Tejido y resistencia de pared venosa realista
2 | Se puede llenar y rellenar los tubos venosos fácilmente usando una botella plástica que funciona como una bomba manual
3 | Tres tubos venosos en la almohadilla: 2 normales y 1 delgado

TECNICAS

| Recolección de sangre e inyección intravenosa

DESCRIPCION

ESPECIFICACIONES
Tamaño: A12 x P14 x A2.5 cm / A4.7 x P5.5 x A0.98 plgds
A6.5 x P11 x A2.0 cm / A2.6 x P4.3 x A0.79 plgds (Pad)

CONTENIDO DEL JUEGO

5	almohadillas de punción (tubos venosos internos)
5	marcos de soporte
5	correas
5	botes de inyección
1	manual de instrucciones
1	caja de almacenamiento

MATERIALES
Resina blanda
Líbre de látex

INSTRUMENTOS RECOMENDADOS
-

REPUESTOS
11431-010 5 almohadillas de punción de repuesto

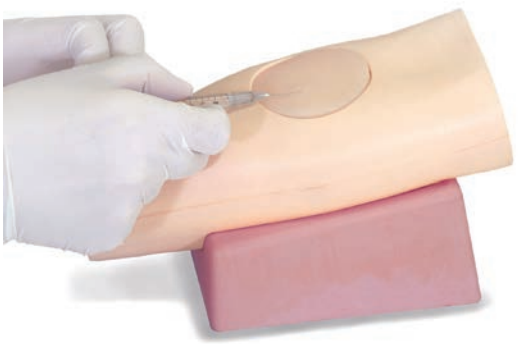
PARTES OPCIONALES
11430-010 manga con anatomía de vasos del brazo
11388-400 10 palillos de colorantes rojo

M94

Entrenador de Inyección Intradérmica

Se pude demostar el habón producido por una inyección correcta

Este simulador provee un entrenamiento en inyección intradérmica en el antebrazo
Una hinchazón en la piel se formará cuando la inyección se realice correctamente





CARACTERISTICAS

1 | Tacto y resistencia del sitio de inyección realistas similares al brazo humano
2 | Las almohadillas de punción se pueden cambiar fácilmente
3 | Ninguna huella de aguja queda

TECNICAS

| Inyección intradérmica

DESCRIPCION

ESPECIFICACIONES
Tamaño: A9 x P20 x A8 cm
A3.5 x P7.9 x A3.1 plgds
Peso: 0.3 kg/ 0.7 lbs

CONTENIDO DEL JUEGO

5	almohadillas de punción
1	modelo de antebrazo
1	base de soporte
1	manual de instrucciones

MATERIALES
Resina blanda
Líbre de látex

INSTRUMENTOS RECOMENDADOS
Aguja 29G

REPUESTOS
11346-010 1 almohadilla de punción reemplazable

*Las agujas no están incluidas.

MW9

Simulador de Colocación de Catéter Venoso Periférico

Simulación holística del manejo de la vía intravenosa perférica en un solo brazo



CARACTERISTICAS

1 | Inserción y manejo de cánula IV de principio a fin
2 | Dos sitios de punción: vena media atebraquial y vena dorsal
3 | Almohadilla de punción durable

TECNICAS

| Control de infección
| Uso del torniquete
| Identificar el sitio de punción
| Esterilización del sitio de punción
| Punción con cánula IV
| Confirmación del flujo de retorno
| Aplicación de presión a la vena
| Preparar y administrar medicación IV (simulada)
| Fijar y asegurar la cánula

CARACTERISTICAS CLAVE



Confirmación de flujo de retorno



Fijación



Aplicación de presión a la vena

DESCRIPCION

ESPECIFICACIONES

Tamaño: A52 x P10 x A10 cm
A20.5 x P3.9 x A3.9 plgds

Peso: 0.9kg / 21lbs

CONTENIDO DEL JUEGO

1	modelo de brazo
2	almohadillas de inyección para venas dorsales de mano
2	almohadillas de inyección para vena media antebraquial
1	botella para sangre simulada
1	base para la botella de sangre simulada
1	set de infusión
1	bolsa de infusión
1	jeringa (50ml)
1	frasco plástico
10	palillos de sangre simulada (tipo hisopo)
1	bolsa de transporte
1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

cánual IV 22G,
aguja mariposa 23G

REPUESTOS

11388200 2 almohadillas de inyección para vena media antebraquial
11388300 2 almohadillas de inyección para venas dorsales de mano
11388400 10 palitos de sangre simulada (tipo hisopo)

MW56

Sistema de Evaluación de Sutura Laparoscópica - Laparo Cube -

Retroalimentación Cuantitativa para una Evaluación más objetiva



CARACTERISTICAS

1 | Sus criterios y mediciones cuantitativos de evaluación innovadora proveen retroalimentación objetiva a los entrenados
2 | Los datos personales de evaluación de técnicas de cada entrenado pueden ser guardados para revisión y análisis
3 | Se puede usar con instrumentos clínicos reales
4 | Lámina de sutura realista
5 | Puede crear su propio estándar de aprobación o ajustar el umbral de cada criterio conforme al nivel de los entrenados

TECNICAS

| Sutura laparoscópica (sutura simple interrumpida)

CARACTERISTICAS CLAVE

Juzgar el éxito o fracaso

1 La herida está suturada sin fuga?
2 La sutura está completa a través de la capa muscular hasta la capa mucosa?
3 La ligadura es apropiada para la sutura?
4 Cuántas áreas abiertas hay en la capa mucosa?
5 Cuánto se demoró el procedimiento de sutura?



Tracto intestinal realista

Evalúa la sutura simple interrumpida de la piel con criterios de evaluación cuantitativos. La evaluación objetiva fomenta el mejoramiento de las técnicas.



DESCRIPCION

ESPECIFICACIONES

Tamaño: A15 x P20 x A13 cm / A5.9 x P7.9 x A5.1 plgds

Peso: 1.5kg / 3.3lbs (Unidad de evaluación)

Voltaje: AC100V-240V 50/60Hz
Consumo energético:
26VA : Unidad de evaluación
40VA : PC

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

-

CONTENIDO DEL JUEGO

1	unidad de evaluación de sutura laparoscópica	1	PC
1	cable de alimentación para unidad de evaluación	1	cable de alimentación para PC
1	sujetador de lámina de piel	30	piezas de lámina de sutura (trácto intestinal)
1	cable	1	contenedor
	cable USB	1	manual de instrucciones

REPUESTOS

11395-010 30 piezas de lámina de sutura
※1 lámina consta de capas interiores y exteriores

*La caja de entrenamiento, monitor, fórceps y cámara no están incluidos en el set.

M57B

Simulador de Sutura con Sistema de Evaluación

Califique su sutura

Evalúe las técnicas de sutura interrumpida simple de la piel con criterios de evaluación cuantitativos.
El puntaje de evaluación objetiva y registro de curva de aprendizaje animarán y motivarán a los entrenados para mejorar sus habilidades.



CARACTERISTICAS

1 | Tres modos para diferentes objetivos de entrenamiento
-Evaluación: evaluación objetiva para autoaprendizaje
-Aprendizaje: referencia de los ejemplos y datos guardados
-Examen: evaluación de las técnicas por el instructor
2 | Seis criterios de evaluación para guiar el mejoramiento de las técnicas

TECNICAS

| Sutura: Sutura simple interrumpida
| Ligadura: nudo por instrumento

DESCRIPCION

ESPECIFICACIONES

Voltaje: AC100V-240V, 50/60 Hz

CONTENIDO DEL JUEGO

1	base de unidad
1	unidad de sutura de piel
40	láminas de piel simulada
1	Unidad USB
1	PC con programa
1	video de demostración (CD)
1	caja de almacenamiento
1	manual de instrucciones

MATERIALES

-

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11230-010 40 láminas de sutura (tipo piel)

* Los instrumentos no están incluidos.

M93B

Bloque de Práctica Básica de Ultrasonido

El fantoma provee entrenamiento en coordinación mano-ojo y técnicas básicas de acceso venoso guiado por ecografía.



CARACTERISTICAS

1 | 2 líneas de vasos simulados: una recta y otra curva
2 | Las líneas con pendiente representan vasos con diferentes profundidades
3 | La pared del vaso cede bajo presión de la punta de la aguja

TECNICAS

| Visualización y localización de los vasos
| Manipulación de sondas
| Conceptos básicos para el acceso a vasos guiado por ultrasonido

M83

Juego de Entrenadores para Sutura

Varios tipos de piel para mejorar las técnicas básicas de sutura



CARACTERISTICAS

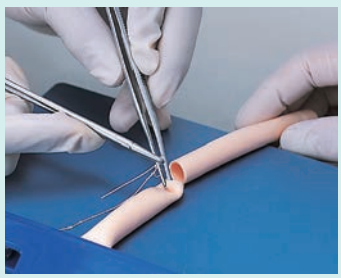
1 | La piel artificial se puede cortar fácilmente en cualquier sitio para preparar una herida personalizada
2 | Las pieles suaves son hechas de materiales durables
3 | Los sujetadores simples y durables mantienen las pieles suaves curvadas y mantienen la tensión en los modelos tubulares
4 | Todos los instrumentos para la sesión de práctica están incluidos en el juego

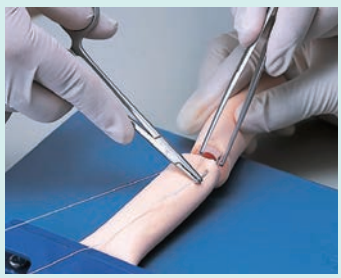
TECNICAS

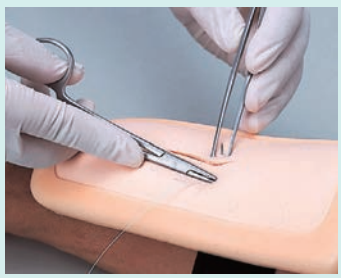
| 4 técnicas para sutura: sutura de la piel abdominal, sutura de vaso sanguíneo, sutura intestinal, sutura de piel de extremidades

CARACTERISTICAS CLAVE


Abdomen


Vaso sanguíneo


Intestino


Extremidades

DESCRIPCION

ESPECIFICACIONES

-

CONTENIDO DEL JUEGO

1	set de pieles y tractos simulados y soportes
	set abdominal: 2 pieles abdominales, 1 soporte
	vasos sanguíneos: 5 tubos delgados
	set intestinal: 5 tubos anchos, 1 soporte
	set de extremidades: 2 pieles estrechas, 1 soporte
1	set de instrumentos
	- porta agujas - agujas de sutura
	- tijeras - hilo de sutura
	- pinzas
1	caja de almacenamiento

MATERIALES

Resina blanda
Libre de látex

INSTRUMENTOS RECOMENDADOS

-

REPUESTOS

11219-030	1 piel abdominal
11219-050	5 vasos sanguíneos
11219-070	5 tractos intestinales
11219-010	5 pieles de extremidades

US-5

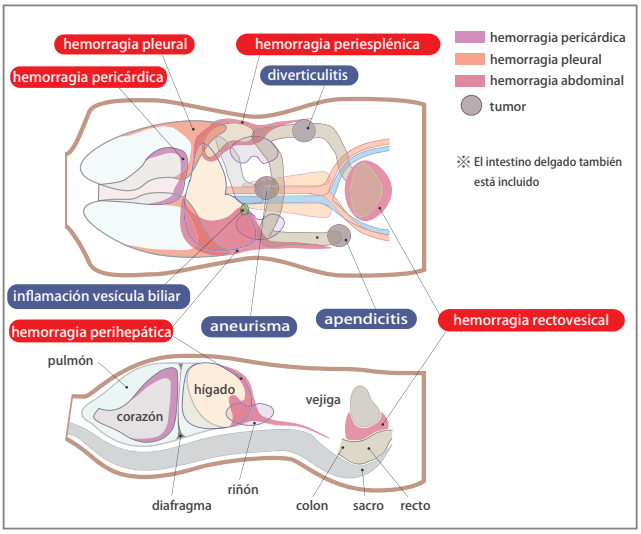
Fantoma de Ultrasonido Abdominal de Emergencia "FAST FAN"

¡Conduzca el examen "FAST" para salvar un paciente con trauma!

FAST FAN provee un entrenamiento simulado de FAST
(Ecografía Abdominal Focalizada para Trauma):
examen de ultrasonido dedicado a la detección de la presencia de líquido libre en pacientes con trauma

Supervisión del Producto
Junji Machi, MD, PhD
University of Hawaii at Manoa and Kuakini Medical Center





CARACTERISTICAS

1 | Fantoma innovador para el entrenamiento repetitivo de FAST como un apoyo a la evaluación primaria de SVAT
2 | Las patologías incluyen la colecistitis, aneurisma aórtica y una lesión en el cólon

TECNICAS

| Hemorragia interna en las áreas perihepática, periesplénica, pélvica y pericardíaca
| Sonografía para el paciente agudo

FAST


Tamponamiento Cardiaco


Hemorragia del Abdomen Derecho Superior


Hemorragia Periesplénica

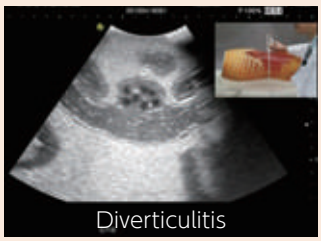

Hemorragia en el Area Rectovesical

Abdomen Agudo


Inflamación de la Vejiga Urinaria


Aneurisma


Apendicitis


Diverticulitis

DESCRIPCION

ESPECIFICACIONES

Tamaño: A62 x P30 x A25 cm
A24.4 x P11.8 x A9.8 plgds

Peso: 30kg / 66lbs

CONTENIDO DEL JUEGO

1	fantoma de ultrasonido con base de transporte
1	tutorial en DVD
1	talco en polvo
1	manual de instrucciones

MATERIALES

Elastómero de poliuretano
Líbre de látex

REPUESTOS

-

INSTRUMENTOS RECOMENDADOS

-

*El aparato de ultrasonido no está incluido.

MW11

Simulador de Manejo de Vía Aérea Difícil -Sistema de Evaluación-

Mejore su técnica de intubación para maximizar la seguridad del paciente

Este simulador de práctica es el único sistema del mundo que ofrece retroalimentación objetiva de las técnicas de intubación. La visualización en tiempo real del desempeño permite la evaluación, identificación y análisis de las áreas a ser mejoradas

Supervisión del Producto
Atsuo Takanishi, Laboratory
Faculty of Science and Engineering
Waseda University





CARACTERISTICAS

1 | La retroalimentación objetiva es de dos maneras:
Resultado de la intubación: evalúa la técnica de salvavidas
Evaluación de las técnicas: evalúa la experiencia del paciente
2 | La retroalimentación de criterios de evaluación se monitorea y demuestra cuantitativamente
3 | Cada sesión se puede guardar y almacenar para la revisión y debriefing
4 | Una variedad de dificultades en las condiciones de la vía aérea se puede ajustar con el panel de control táctil
5 | Conveniente unidad de todo en uno

TECNICAS

| Intubación traqueal
| Intubación y ventilación en las vías aéreas difíciles

CARACTERISTICAS CLAVE

PUNTO 1

Retroalimentación Visual de la Evaluación Objetiva

Visual de la Evaluación Objetiva



1 Pantalla de Resultados de Intubación

Una intubación exitosa se define como la ventilación de ambos pulmones dentro del límite de tiempo.

2 Evaluación de Múltiples Técnicas

Evaluación objetiva basada en los datos obtenidos de los profesionales.

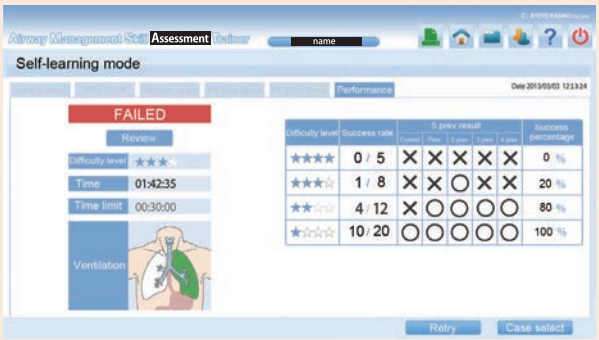
PUNTO 2 Normal y 3 diferentes niveles de dificultad de las vías aéreas



Se pueden ajustar diferentes niveles de dificultad para el procedimiento de intubación con el panel táctil. Hay un ajuste "normal" y tres niveles adicionales con incremento de dificultad.

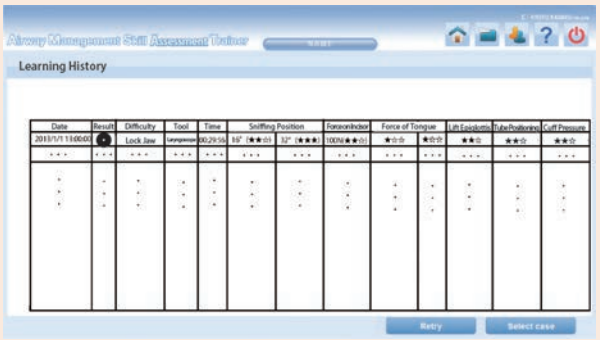
PUNTO 3 Los historiales de entrenamiento personales ayudan en el mejoramiento de las técnicas

La evaluación de desempeño se puede guardar para que los usuarios puedan revisar sus técnicas y confirmar su mejoramiento.



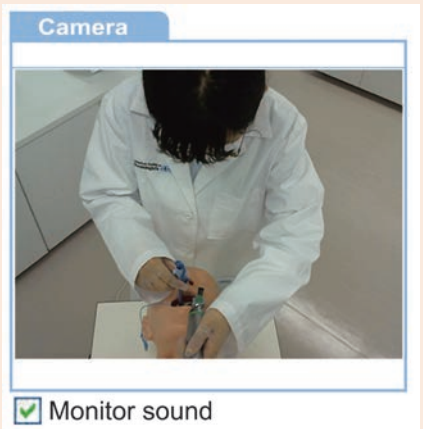
Las 5 sesiones más recientes se resumen visualmente para analizar cada una

Las sesiones se clasifican en niveles de dificultad, mostrando la tasa de éxtio de las 5 sesiones más recientes.



Grabación del historial de aprendizaje

Se guarda una lista de los datos de cada usuario.



Grabación en video

El monitoreo sobre la cabeza y el punto de vista del laringoscopio se pueden mostrar y grabar juntos con los datos de evaluación.

DESCRIPCION

ESPECIFICACIONES

Tamaño: A50 x P110 x A160 cm Peso: 82 kg/181lbs
A19.7 x P43.3 x A63 plgds

Voltaje AC100-240V, 50/60 Hz
Consumo de energía: 120 VA

CONTENIDO DEL JUEGO

1	base de unidad incluyendo 1 videocámara, 1 monitor, 1 maniquí
1	impresora
1	miniconector estéreo
1	teclado
1	lubricante para el maniquí
1	manual de instrucciones

MATERIALES

Resina blanda
Líbre de látex

REPUESTOS

11392-040	1 piel torácica
11392-050	5 pares de pulmones
11392-060	5 estómagos
11392-090	1 máscara facial
11390-010	lengua con sensor interno
11229-050	lubricante
11390-020	sensor (fuerza de la hoja y posición)
11392-010	10 incisivos superiores

INSTRUMENTOS RECOMENDADOS

Laringoscopio de Macintosh: tamaño de hoja 4
Tubo Endotraqueal: diámetro interno 7.5mm
Videolaringoscopio: AWS-S200

* Los instrumentos no están incluidos

MW13

Simulador de Manejo de Vía Aérea Difícil -Modelo de Entrenamiento-

Para principiantes y expertos con un amplio rango de niveles de dificultad

Este simulador ofrece entrenamiento para usuarios de todos los niveles con 24 casos difíciles disponibles. Su estructura robusta y base estable hacen el modelo compatible con varios escenarios de entrenamiento como son los ámbitos de emergencia, prehospitalarios y clínicos. Una variedad de instrumentos clínicos reales se pueden usar, como laringoscopio, bolsa válvula mascarilla, y videolaringoscopio.



Variación de Ajustes de MVA Difícil



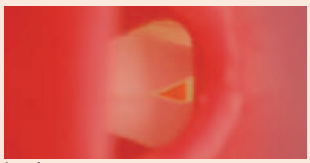
Flexibilidad del cuello
(movimiento realista de la mandíbula)



Abertura de la boca
- Normal
- Intermedio
- Difícil



Lengua
- Normal
- Hinchada



Laringoespasmo
- Normal
- Laringoespasmo

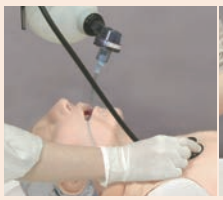
CARACTERISTICAS

1 | 24 variaciones de escenarios del paciente:
(incluyendo 1 caso normal):
3 grados de abertura de la boca
2 grados de flexibilidad del cuello
2 tamaños de lengua
2 posiciones de las cuerdas vocales
2 | Los incisivos superiores están diseñados para que se safen cuando se aplica una fuerza excesiva.

Variaciones de Entrenamiento de MVAD



Ventilación de Bolsa Válvula Mascarilla



Confirmación de colocación del tubo endotraqueal



Una variedad de técnicas de vía aérea posibles

TECNICAS

| Técnicas de apertura de vía aérea (inclinación de cabeza, tracción de mandíbula)
| Ventilación de Bolsa Válvula Mascarilla
| Evaluación de la vía aérea de preintubación
| Posición de olfateo
| Presurización de la laringe externa para mejorar la vista laríngea
| Intubación intraoral/Intranasal
| Uso de la vía orofaríngea
| Uso de la vía nasofaríngea
| Uso de mascarilla laríngea
| Uso de videolaringoscopio
| Confirmación de la ventilación exitosa por:
-observación del movimiento torácico y abdominal (expansión pulmonar, inflación del estómago) o auscultación torácica
| Simulación de procedimientos incorrectos incluyendo la intubación en el esófago e intubación unilateral
| Práctica de la fijación de los tubos después de la intubación

DESCRIPCION

ESPECIFICACIONES

Tamaño: A70 x P39 x A25 cm
A27.6 x P15.4 x A9.8 plgds
Peso: 7kg / 15.4lbs

CONTENIDO DEL JUEGO

1	maniquí
3	incisivos superiores
1	lubricante
1	jeringa
1	bolsa de transporte
1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11392-010	10 incisivos superiores
11392-090	1 máscara facial
11392-040	1 cobertura torácica
11392-080	2 lenguas II de repuesto
11392-050	5 pares de pulmones
11392-060	5 stómagos
11229-050	lubricantes

INSTRUMENTOS RECOMENDADOS

Laringoscopio Macintosh: tamaño de hoja 3, 4
Tubo endotraqueal: Diámetro interno 7.0mm, 7.5mm
Mascarilla laríngea Air-Q: tamaño 3.5
LMA Supreme: tamaño 4
I-gel: tamaño 4

PARTES OPCIONALES

11384-100 unidad de entrenamiento de broncofibroscopia

* Los instrumentos no están incluidos.

MW14

Simulador de Manejo de Vía Aérea Difícil -Modelo de Demostración-

Excelente herramienta de demostración del manejo de la vía aérea

Diseño compacto y de sobremesa, anatómicamente preciso con una variedad de ajustes para el Manejo de Vía Aérea Difícil. Ideal para demostración de técnicas e instrumentos.



CARACTERISTICAS

1 | Vía aérea anatómicamente correcta
2 | Los incisivos son removibles cuando se aplica una fuerza excesiva
3 | La colocación exitosa de la punta del tubo se puede confirmar con los indicadores

TECNICAS

- Técnicas de abrir la vía aérea (inclinación de cabeza, tracción de mandíbula)
- Ventilación Bolsa Válvula Mascarilla
- Evaluación de la vía aérea de preintubación
- Posición de olfateo
- Presurarización de la laringe externa para mejorar la vista laríngea
- Intubación intraoral/ intranasal
- Uso de la vía orofaríngea
- Uso de la vía nasofaríngea
- Uso de mascarilla laríngea
- Uso de videolaringoscopio
- Confirmación de la ventilación exitosa por los indicadores
- Simulación de procedimientos incorrectos incluyendo intubación en el esófago e intubación unilateral
- Asegurar la sonda en sitio con cinta o el portador del tubo endotraqueal Thomas™

DESCRIPCION

ESPECIFICACIONES

Tamaño: A45 x P20 x A25 cm Peso: 2.7kg/ 5.95lbs
A17.7 x P7.9 x A9.8 plgds

CONTENIDO DEL JUEGO

1	maniquí	1	jeringa
3	incisivos superiores	1	bolsa de transporte
1	lubricante	1	manual de instrucciones

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11393-020	1 máscara facial
11392-080	2 lenguas II de repuesto
11392-010	10 incisivos superiores
11229-050	lubricante

INSTRUMENTOS RECOMENDADOS

Laringoscopio Macintosh: tamaño de hoja 3,4
Tubo endotraqueal: diámetro interior 7.0mm, 7.5mm
Mascarilla laríngea Air-Q: tamaño 3.5
LMA Supreme: tamaño 4
I-gel: tamaño 4

* Los instrumentos no están incluidos.

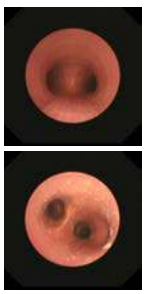
MW19

Simulador de Manejo de Vía Aérea Difícil para Broncofibroscopia

Entrenamientos realistas de inserción y manejo del fibroscopio

La tráquea y bronquios anatómicamente correctos proveen una vista realista a través del fibroscopio, permitiendo el reconocimiento de bifurcaciones.





CARACTERISTICAS

1 | Tráquea y bronquios anatómicamente correctos que incluyen la bifurcación de tráquea para los bronquios segmentales

TECNICAS

- Inserción y manejo de fibroscopio
- Reconocimiento de las bifurcaciones con el fibroscopio
- Técnicas de abertura de la vía aérea (inclinación de cabeza, tracción de mandíbula)
- Posición de olfateo

DESCRIPCION

ESPECIFICACIONES

Tamaño: A45 x P20 x A25 cm Peso: 2.65kg/ 5.84lbs
A17.7 x P7.9 x A9.8 plgds

CONTENIDO DEL JUEGO

1	manquí	1	manual de instrucciones
3	incisivos superiores		
1	lubricante		
1	jeringa		
1	bolsa de transporte		

MATERIALES

Resina blanda
Libre de látex

REPUESTOS

11393-020	1 máscara facial II
11392-080	2 lenguas II de repuesto
11392-010	10 incisivos superiores
11229-050	lubricante

INSTRUMENTOS RECOMENDADOS

Laringoscopio Macintosh: tamaño de hoja 3, 4
Tubo endotraqueal): diámetro interno 7.0mm, 7.5mm
Mascarilla laríngea: Air-Q: size 3.5
LMA Supreme: tamaño 4
I-gel: tamaño 4

* Los instrumentos no están incluidos.

US-18

Fantoma de Ultrasonido Fundamental

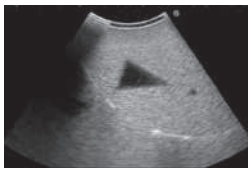


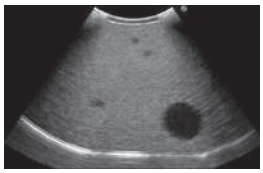


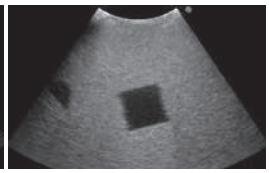
Este fantoma oval ayuda a los ecógrafos en su entrenamiento básico

CARACTERISTICAS

1 | Fantoma para manipulación básica del transductor de ultrasonido.
2 | Reconocimiento de forma, ecogenicidad, distancia y práctica de tareas de transductor horizontales







TECNICAS

| Interpretación de imágenes transversales en 2D sobre los objetos en el interior
| 10 objetos en el interior
| Adjuste de la compensación de la ganancia variable con el tiempo
| Medición de dimensiones y distancias
| Manejo de transductor para obtener imágenes transversales 2D precisas
| Superficie plana y esferoidal provee una variación de dificultades

DESCRIPCION

ESPECIFICACIONES

Tamaño: A24 x P16 x A10 cm/ A9.5 x P6.3 x A3.9 plgds

Peso: 2kg/ 4.4lbs

MATERIALES

Elastómero de poliuretano
Líbre de látex

CONTENIDO DEL JUEGO

1	fantoma
1	diagrama layout de los objetivos
1	talco en polvo
1	caja de almacenamiento

*El aparato de ultrasonido no está incluido.

US-17

Fantoma de Mano Reumatoide





El examen de ultrasonido es una técnica clave para el diagnóstico temprano de artritis reumatoide

CARACTERISTICAS

1 | Para el entrenamiento de técnicas de examen de ultrasonido de artritis reumatoide
2 | El engrosamiento de la membrana sinovial y el incremento del líquido sinovial son simulados en los dedo medio y anular

TECNICAS

| Examen de ultrasonido de artritis reumatoide

DESCRIPCION

ESPECIFICACIONES

Tamaño: 17 x 5 x 21 cm
6 x 2 x 8 plgds

Peso: 0.6kg/ 1.32lbs

MATERIALES

Elastómero de poliuretano
Líbre de látex

CONTENIDO DEL JUEGO

1	fantoma de mano
1	manual de instrucciones
1	caja de almacenamiento
1	talco en polvo

*El aparato de ultrasonido no está incluido.

Modelo de Anatomía Humana A1A

El modelo anatómico original A1A se produjo en 1964. En ese momento, otros modelos en el mercado solían ser achaparrados, voluminosos y poco realistas. El A1A fue creado para ser una innovación con la anatomía más realista y más cercana a la humana. Como no había un ejemplar anterior disponible en ese momento, uno de nuestros empleados posó en vivo como modelo. Con su brazo derecho tonificado físicamente, adoptó la pose atlética del A1A. Gracias a su contribución, el A1A se convirtió desde entonces en uno de nuestros modelos mejor vendidos.
A partir de 2018, el A1A ha renacido con nuevas características mejoradas.



A1A

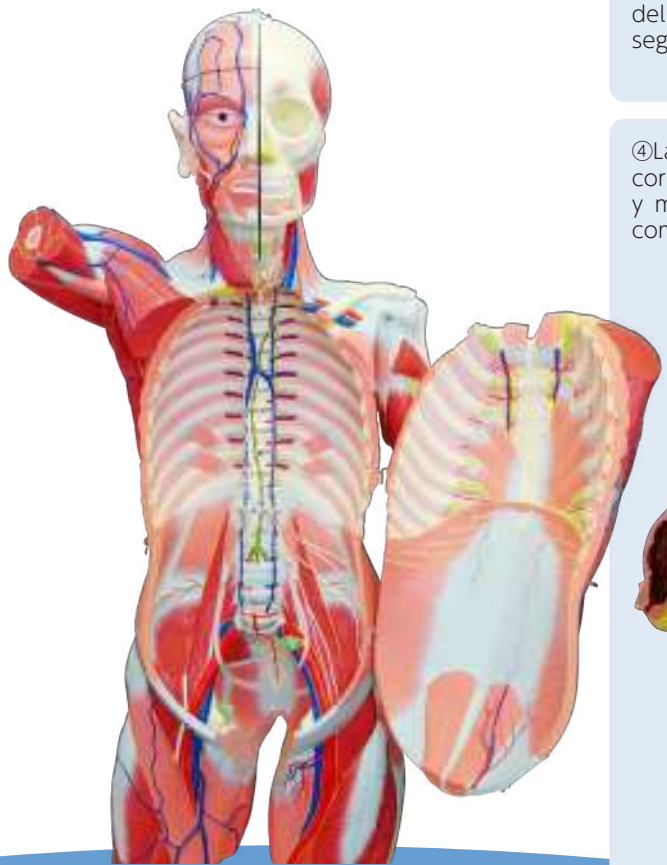
Torso de Anatomía Humana (doble sexo)

①El corazón, los pulmones frontales y el diafragma frontal se pueden separar para que se puedan ver en cortes transversales los órganos cercanos.



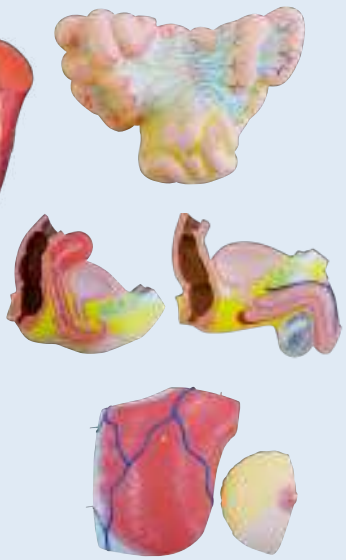
②El estómago se puede abrir para ver las estructuras internas.





③Las mejoras en la cubierta abdominal hacen que el manejo del modelo sea mucho más seguro.

④Las mejoras en su forma, cortes transversales, colores y materiales facilitan mucho la comprensión anatómica.



DESCRIPCION

ESPECIFICACIONES
Tamaño: A60 x P34 x A110 cm
A23.6 x P13.4 x A43.3 plgds

MATERIALES
Resina blanda
Libre de látex

A2D

Modelo de Anatomía de Brazo Seccionable

Fabricado en plástico rígido midiendo 27,2 pulgadas de alto. Está montado sobre una base con una varilla de apoyo.

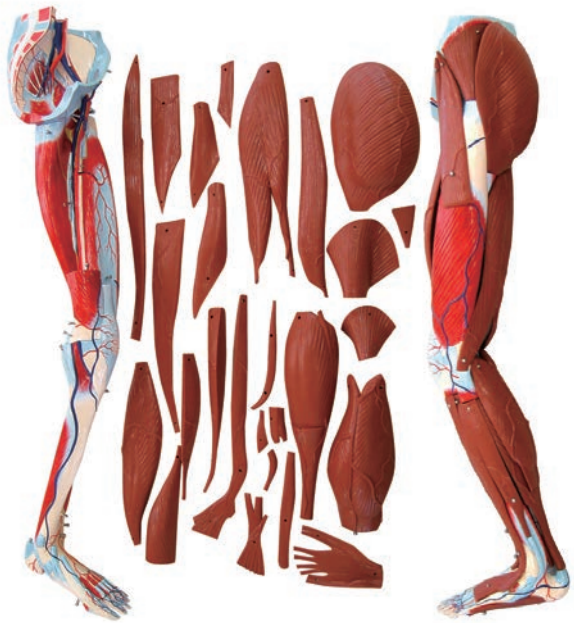




A3D

Modelo de Anatomía de Pierna Seccionable

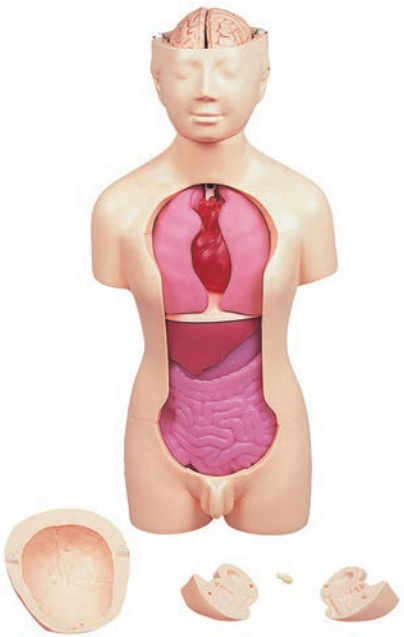
Este modelo fabricado en plástico rígido mide 36,2 pulgadas de alto y se puede separar en 27 partes. Está montado sobre una base, y los principales nervios y sistemas de vasos sanguíneos están representados a detalle.



TM90-2

Torso Pediátrico -Modelo Avanzado-

Este modelo es una ayuda de estudio muy útil para los estudiantes siendo una excelente ilustración del sistema digestivo. Está hecho de plástico flexible, se separa en 18 partes y mide aproximadamente 33,6 pulgadas de alto.



M42

Músculos del Brazo

Este modelo es una gran herramienta para visualizar las funciones de la articulación y el músculo del codo. El estado del músculo se puede observar cuando el brazo está estirado y doblado.

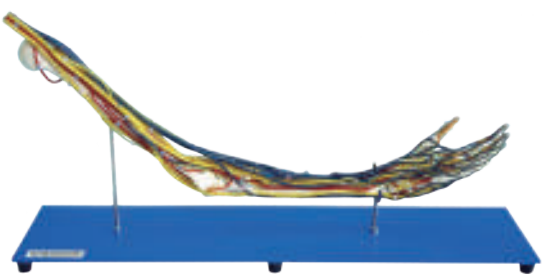




A144

Nervios y Vasos del Brazo

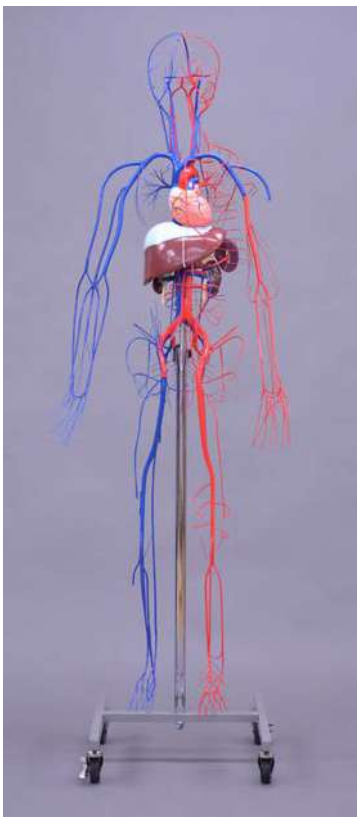
Una réplica completa de los vasos sanguíneos y los nervios del brazo. Una gran ayuda a la educación sobre procedimientos intravenosos.



-

Modelo del Sistema Circulatorio Tamaño Real

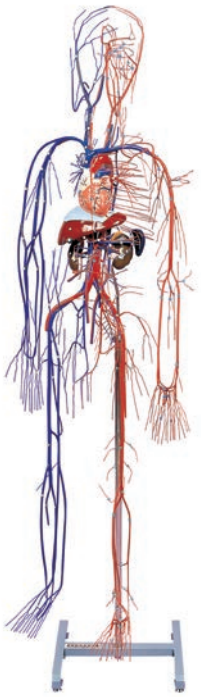
-



A61

Modelo del Sistema Circulatorio

Con las arterias a la izquierda y las venas a la derecha, este modelo de 47 pulgadas muestra una relación precisa entre el sistema circulatorio y los órganos.



A62

Modelo del Sistema Circulatorio con Esqueleto

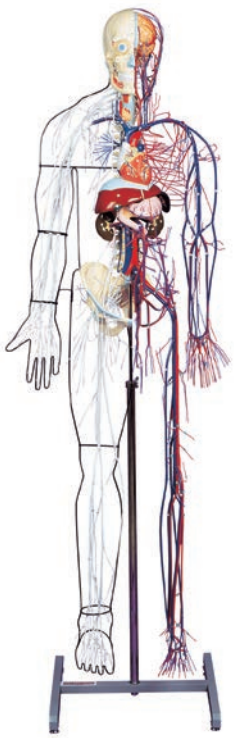
Este modelo de plástico de 47 pulgadas está montado en un soporte de metal y replica anatomías como la cóclea, el esqueleto, los vasos sanguíneos, el cerebro, el corazón, el hígado, los riñones y el bazo.



A100

Sistema Nervioso y Circulatorio

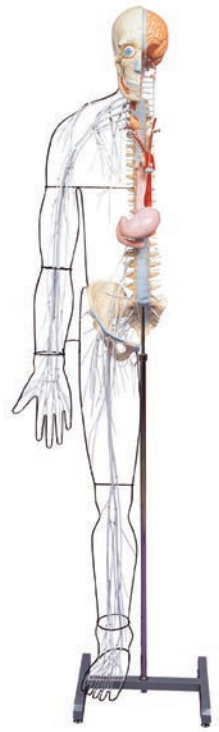
Una réplica completa y útil, con el sistema circulatorio a la izquierda y el sistema nervioso a la derecha. Aproximadamente 54 pulgadas de alto.



A25

Modelo del Sistema Nervioso

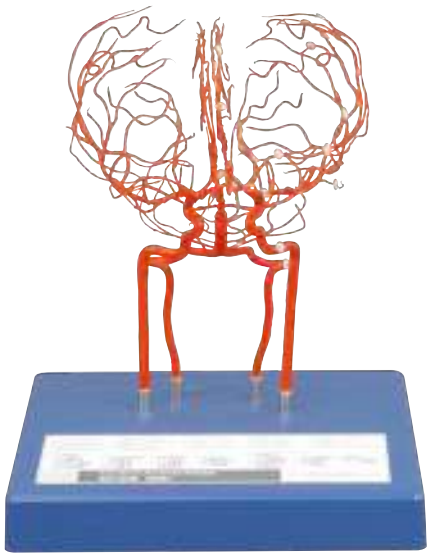
La mitad izquierda del cráneo revela el cerebro y el bulbo raquídeo. Los nervios se muestran completos y el modelo está montado en un soporte de metal con una altura total de 51,2 pulgadas.



A120

Arterias Cerebrales

Esta réplica de tamaño natural de las arterias cerebrales abarca toda la región del cerebro. El cerebro y el bulbo espinal están representados con precisión. Modelo montado en un soporte de metal.



A48-1

Modelo de Bronquios y Vasos Pulmonares

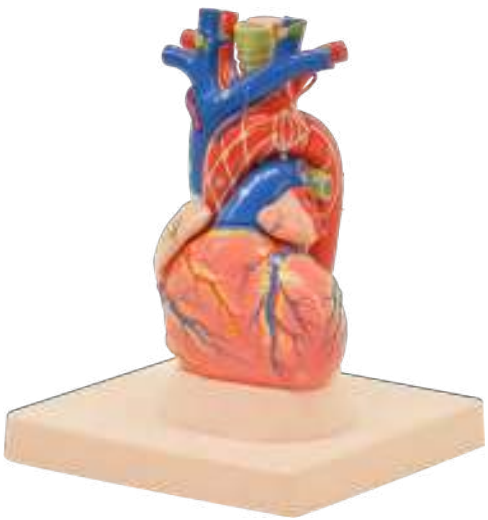
Este modelo representa en detalle la relación entre los bronquios, las arterias pulmonares y las venas, lo que muestra claramente cómo se distribuyen las arterias y las venas hacia los pulmones derecho e izquierdo.



A59

Anatomía del Corazón B

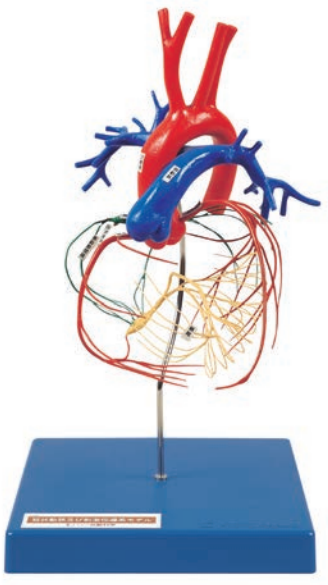
Este corazón de tamaño natural se puede dividir en 6 partes. El esófago, la tráquea, la aorta, y la aorta descendente son removibles. Mide aprox. 10 pulgadas.



A142

Modelo de Arterias Coronarias y Sistema de Conducción

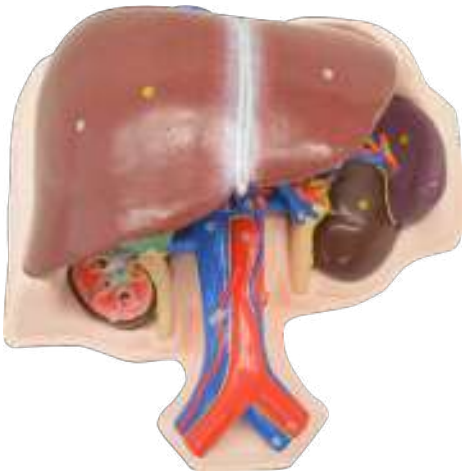
Este modelo replica la ubicación del sistema de conducción de impulsos y las arterias coronarias en el corazón humano. Es útil para una orientación primaria en la educación científica.



A69

Modelo de Hígado, Riñones y Bazo

Modelo de tamaño natural, montado sobre una base. Se representan tres órganos en posiciones viscerales que muestran los principales vasos sanguíneos y nervios.



A71

Modelo de Intestinos

Este modelo muestra una vista posterior del sistema digestivo. Los vasos mesentéricos se muestran en tres partes: el ciego, el yeyuno y el íleon. El modelo está hecho de plástico.



A136

Modelo de Arterias Coronarias

Colocado en una caja transparente y con una perilla en la parte superior que gira el modelo para mostrarlo en varios ángulos.



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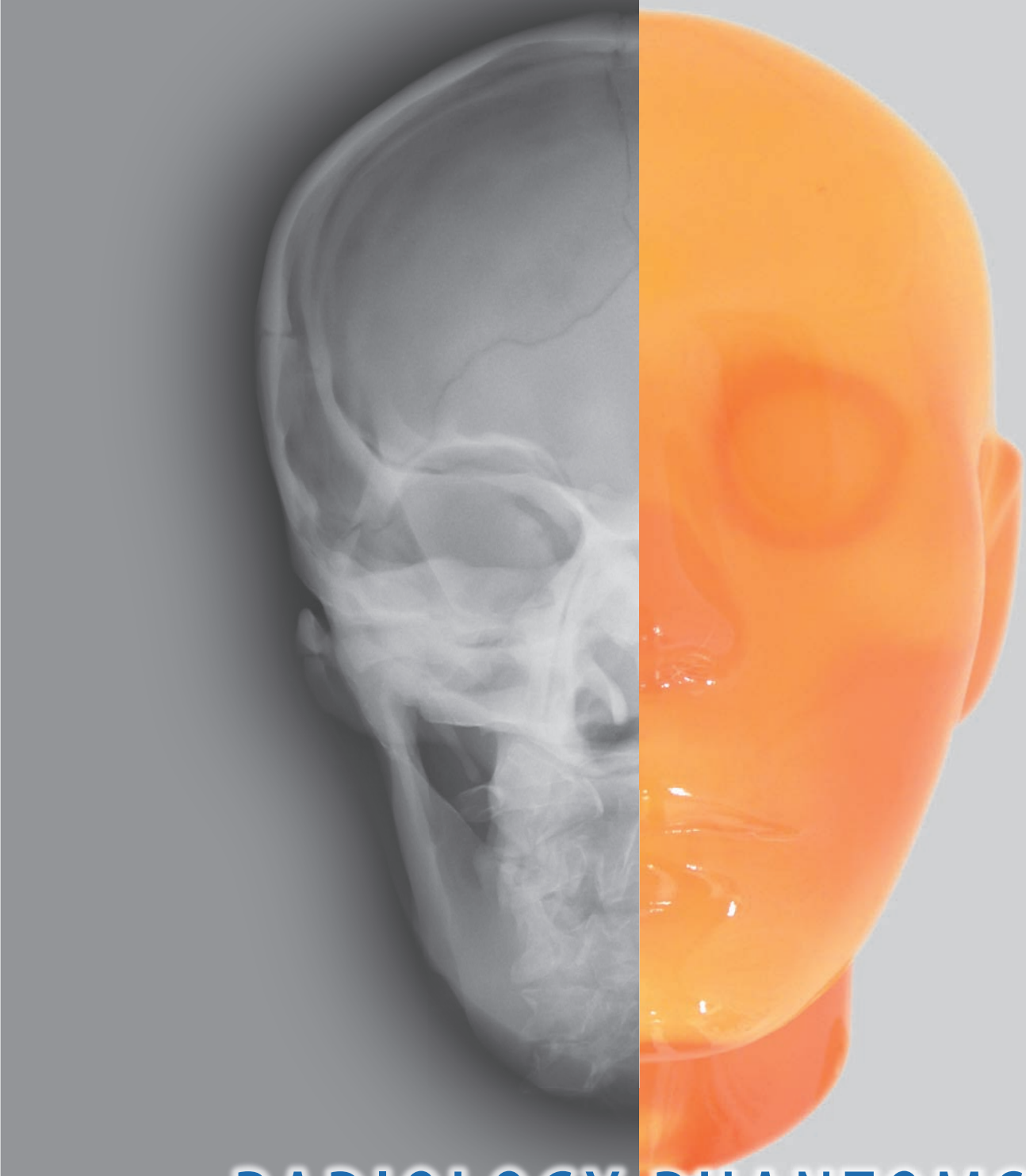
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Kyoto Kagaku America Inc.

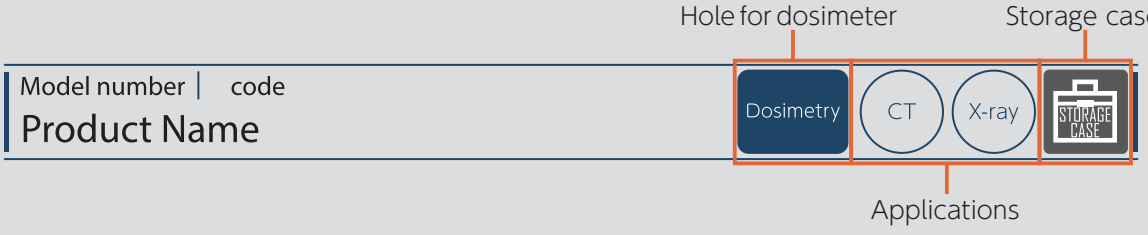
3109 Lomita Boulevard,
Torrance, CA 90505-5108,
USA

PRODUCT CATALOG

RADIOLOGY PHANTOMS

Vol. RP-2

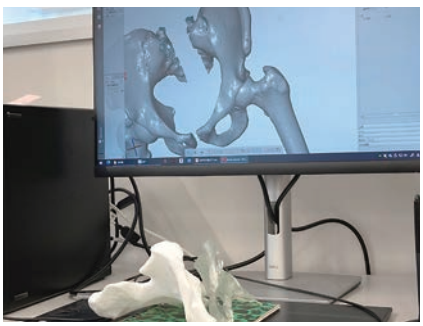
Icon Legend



COMMUNICATION and INNOVATION

EVOLUTION for the FUTURE OF MEDICAL IMAGING

















We would like to introduce our new Kyoto Kagaku factory building (inaugurated April 2023) which specializes in medical imaging phantoms. This state-of-the-art facility not only allows enhances our manufacturing abilities but also serves as a hub for demonstrating the usage of Kyoto Kagaku phantoms worldwide.

Each floor is strategically designed to optimize production efficiency:

On the first floor, which is dedicated to X-ray phantom production, visitors will encounter a real CT scanner and X-ray machines for product inspection alongside simulated examination rooms for hands-on demonstrations.

The second floor houses the ultrasound phantom team with a number of 3D printers for current manufacturing needs.

The third floor features the "working commons," which serves as a web broadcasting studio for online training and is equipped with conference rooms for web meetings. Additionally, visitors can explore product exhibition rooms and simulated hospital environments for interactive learning experiences.

Our lounge area is open to visitors from all over the world, creating an environment for communication and the exchange of innovative ideas. We invite you to visit Kyoto and join us for tea in our new building where conversations may spark ideas for the next generation of phantoms.



Toshiyuki Takayama

Dynamic Phantoms

PH-82 P.8

Dynamic Cardiac CT Phantom SKK II

PH-39 P.9

Dynamic Thorax Phantom

PH-48 P.10

Dynamic Heart and Lung Phantom

PH-81 P.11

Moving Phantom for Residual Image Evaluation KS-III

Diagnostic Radiology

Feature Article

Kyoto Kagaku **Chest Phantom** Family

P.12

PH-83 P.13

Compressible Mammography Phantom Comp-AY

PH-1 P.14

Multipurpose Chest Phantom N1 "LUNGMAN"

P.15-

N-1 Optional Parts

P.17

Bronchoscopy-compatible N-1 Lungman with Pulmonary Vessels

PH-1C P.18

Pediatric Chest Phantom

PH-8 P.19

Lung Cancer Screening CT Phantom LSCT001

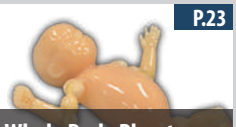
PH-63 P.20

Thorax Phantom for RI

Feature Article

Kyoto Kagaku **Anthropomorphic Phantoms**

P.22

PH-50B P.23

Newborn Whole Body Phantom "PBU-80"

PH-2C P.24

Pediatric Whole Body Phantom "PBU-70"

PH-2D P.25

Bone Fracture Pediatric Phantom "PBU-70B"

P.26

CT Pediatric Whole Body Phantom with Pathologies

PH-2B P.27

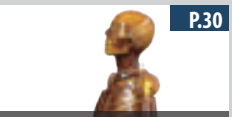
CT Whole Body Phantom "PBU-60"

PH-2E P.28

CT Whole Body Phantom with Pathologies

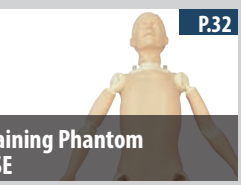
PH-2 P.29

Whole Body Phantom "PBU-50"

PH-60 P.30

Tough Whole Body Phantom "PBU-90 RUGGED"

P.31

PBU Optional Parts

PH-79 P.32

X-Ray Training Phantom PBU-POSE

PH-4 P.33

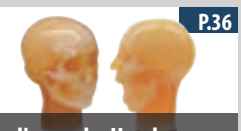
CT Torso Phantom CTU-41

PH-3 P.34

Angiographic CT Head Phantom ACS (for CT / Angio / MECT)

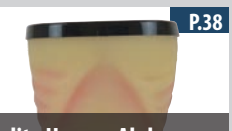
PH-77 P.35

CT Stroke Head Phantom KH

PH-76 P.36

Dental Radiography Head Phantom (Mouth closed / opened)

PH-5 P.37

CT Abdomen Phantom (for CT / MECT)

US-22 P.38

Dual Modality Human Abdomen Phantom (CT, Ultrasound)

PH-18 P.39

Stomach Phantom BMU-1

PH-19 P.39

Rotation Stomach Phantom TMP-R

PH-46 P.40

CT Prostate Phantom

PH-71 P.40

Knee Ligament Phantom

PH-49 P.41

CT Colonography Phantom NCCS

PH-51 P.42

Lumbar Spine Fluoroscopy Training Phantom

PH-61 P.43

Sectional Phantom Series

PH-78 P.44

Radiology Cube Phantom XCUBEFAN

Basic Training

Feature Article

Kyoto Kagaku **Multi-Energy CT Phantoms**

P.46

Diagnostic Radiology -Quality Assurance-

PH-75A / B P.46



Multi Energy CT Quality Assurance Phantom

PH-75C P.47



Multi Energy CT Quality Assurance Phantom-TR-A type

PH-80 P.47



Daily QA Phantom WEM "Aqua Slab"

PH-9 P.50



Multi Slice CT Phantom MHT

PH-9-2 P.50



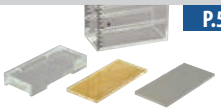
Ladder Phantom

PH-55 P.51



CT ERF Phantom HIT

PH-56 P.52



Tomosynthesis Phantom NS

PH-59 P.53



CT-DI Phantom (Head and Body Phantom)

PH-54 P.53



CT QA Phantom JCT II

PH-7 P.54



CT-AEC Phantoms

PH-13 P.55



Digital Mammographic Phantom NCCE

PH-10 P.55



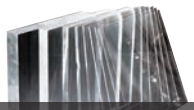
BMD Chart Phantom UHA

PH-17 P.56



Water Body Phantom WAC

PH-14 P.56



Acrylic Phantom XAC

PH-16 P.56



Contrast Detail Phantom

MRI -Quality Assurance-

PH-31/ 32B P.57



MRI Quality Assurance Phantom MHR / JMR II

PH-72 P.58



MRI Breast QA phantom

PH-33 P.58



MRI Head Phantom NH

PH-34 P.58



MRI/NM Head Phantom BHC

Nuclear Medicine

PH-28 P.59



SPECT QA Phantom JSP

PH-53 P.60



Brain Phantom IB-20 advanced

PH-27 P.60



Brain Phantom IB-10

PH-69 P.61



Thyroid Phantom UN

PH-26 P.62



ORINS Thyroid Phantom ITS

PH-29 P.62



ECT Hot Cold Phantom SP-6

PH-73 P.63



PET Body Phantom (NEMA-IEC)

PH-74 P.64



Bone Scintigraphy Quality Assurance Phantom

PH-24 P.65



Myocardial Phantom HL

Dosimetry and Radiotherapy

PH-40/ 41/ 42 P.66



Tough Phantom Series

PH-37 P.67



Therapy Body Phantom THRA-1

PH-38 P.67



Pediatric Therapy Body Phantom THRA-2

PH-82 | 41954-000

Dynamic Cardiac CT Phantom SKK II

CT

STORAGE CASE

For evaluation and research in ECG gated cardiac CT





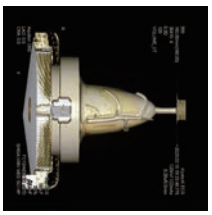


SHOW MORE!

FEATURES

- The phantom represents physical movement and volumetric change of the left ventricle
- The heart phantom is made of human tissue substitute material for CT
- Coronary arteries' variation includes stenosis, contrast enhances and anatomical vessels
- The phantom generates pulses that are synchronized with the cardiac movement for ECG gating
- Controllable parameters; pulse rate (30-120 bpm) and ejection volume (0-100%)
- Three kinds of arrhythmic modes
- Operation with the tablet PC is simple and easy





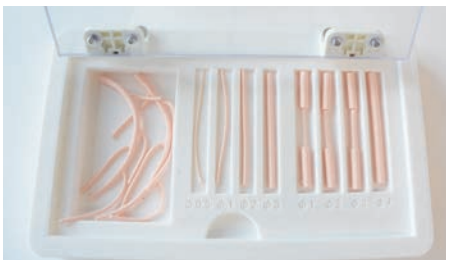






APPLICATIONS

- Measurement of the left ventricle volumetric change
- Image quality evaluation of coronary arteries



variations of vessels
*the case for the vessels is not included.

DESCRIPTIONS

SET INCLUDES

1	drive unit	1	set of simulated coronary arteries
	heart phantoms	1	controller
1	protective cover	1	storage case

PUBLICATION REFERENCES

N.Nitta, et al Efficacy of ECG gating for lung CT imaging in evaluating pulmonary nodule: Fundamental experiment with a newly developed pulsating cardiac phantom, ECR 2006 C-207 Poster, doi: 10.1594/ECR06/C-207

PH-39 | 41326-000

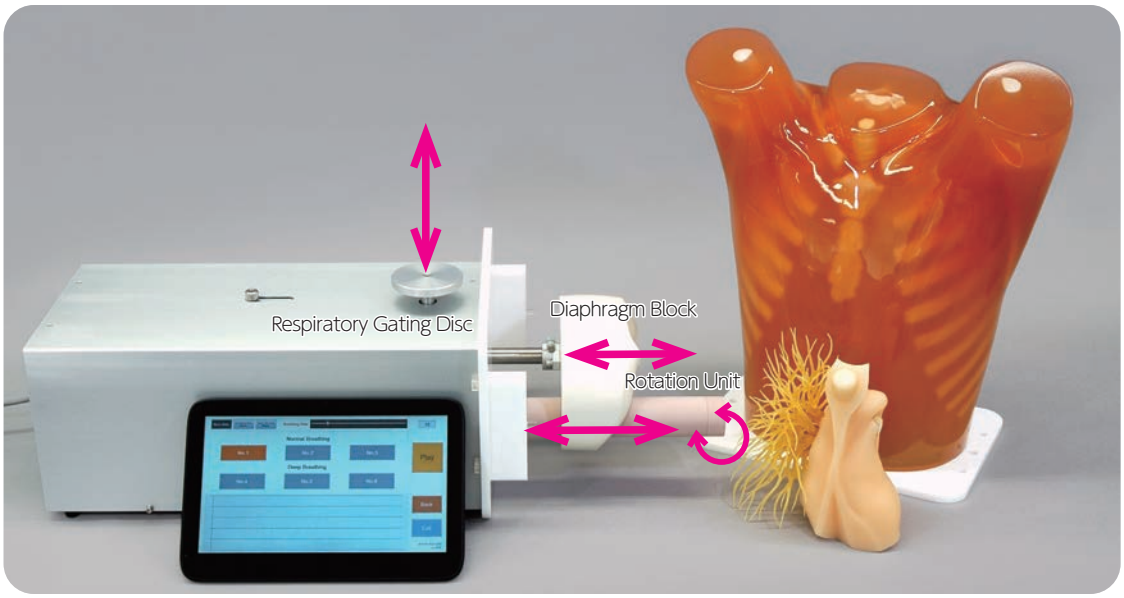
Dynamic Thorax Phantom

Dosimetry | CT | STORAGE CASE

Anthropomorphic chest phantom for respiratory gating

SHOW MORE!





FEATURES

- This phantom represents the movement of human lungs.
- A male chest torso phantom with human tissue substitute material.
- Simple operation with the wireless tablet.
- The pulmonary nodule and the diaphragm move independently with the respiratory cycle.
- Three-dimensional movement of the pulmonary nodule (linearly and rotationally).
- TLD can be inserted to simulate the nodule.
- Six respiratory patterns are preset.
- Respiratory patterns can be modified and saved.
- Up to three different respiratory patterns can be run in sequence.
- Three operation modes: basic, combination, and user mode.

APPLICATIONS

- Respiratory gating CT
- Dosimetry
- Radiation therapy

CONTROLLABLE PARAMETERS

- Respiratory rate: 6-24 cycles / min.
- Movement of diaphragm: 0-38 mm / 0-1.5 in
  Linearly movement of nodule unit:
  38-64 mm / 1.5-2.5 in
- Rotation of nodule unit: 50-70 degrees

DESCRIPTIONS

SET INCLUDES

1	drive unit	1	diaphragm block
	chest phantom	1	set of simulated nodules
	mediastinum phantom with right pulmonary vessels	1	controller
		1	storage case
	nodule rotation unit		manual

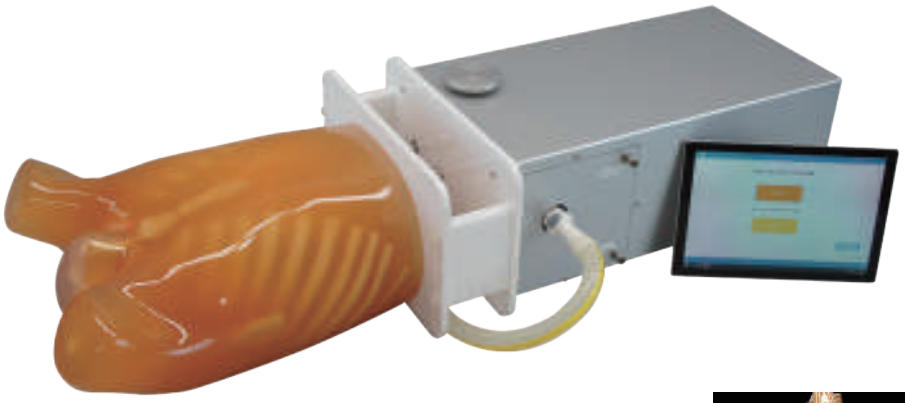
PH-48 | 41327-000

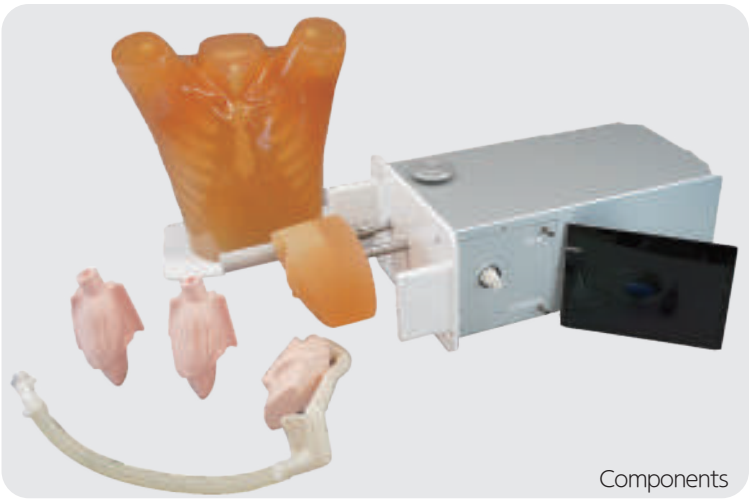
Dynamic Heart and Lung Phantom

Dosimetry | CT | STORAGE CASE

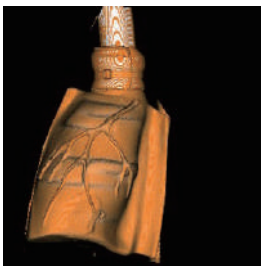
The motion of diaphragm and tumor, and the realistic heart motions provide various solutions for clinical research

SHOW MORE!

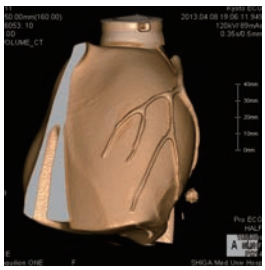




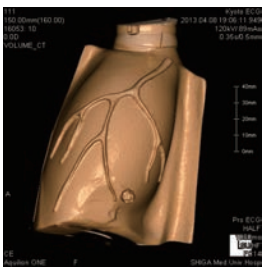
Components



Non-ECG Gated



ECG Gated



ECG Gated



Non-ECG Gated

FEATURES

- This phantom represents movement of the heart, lungs and pulmonary nodule
- The pulmonary nodule and diaphragm move independently with the respiratory cycle
  - -Three-dimensional movement of the pulmonary nodule (linearly and rotationally)
  - -Motion disc represents respiratory movement of abdomen
- The elastic heart represents systolic and diastolic motion
- The coronary arteries including stenotic examples are shown
  - -The phantom can be connected to ECG for ECG gating

ANATOMY

- Synthetic bones of the chest
- Diaphragm
- Heart with coronary artery

DESCRIPTIONS

SET INCLUDES

1	drive unit	1	set of simulated tumors (15 types)
1	nodule rotation unit	1	tablet PC
1	diaphragm block	1	storage case
1	chest phantom		manual
3	types of heart unit		

APPLICATIONS

- Respiratory gating chest CT
- Tumor tracking in radiotherapy
- ECG gating cardiac CT

PATHOLOGY

- Pulmonary nodule
- stenosis of coronary arteries

CONTROLLABLE PARAMETERS

- Heart rate: 30-120 times / min
- Ejection volume: 60, 70, 80, 90, 100ml
  ef rate: 30%, 35%, 40%, 45%, 50%, 55%, 60%
- Respiratory rate: 6-24 cycles/min
- Linear movement of nodule unit: 8-64mm / 0-1.5 in
- Rotation range of nodule unit: 50-70 degrees

PUBLICATION REFERENCES

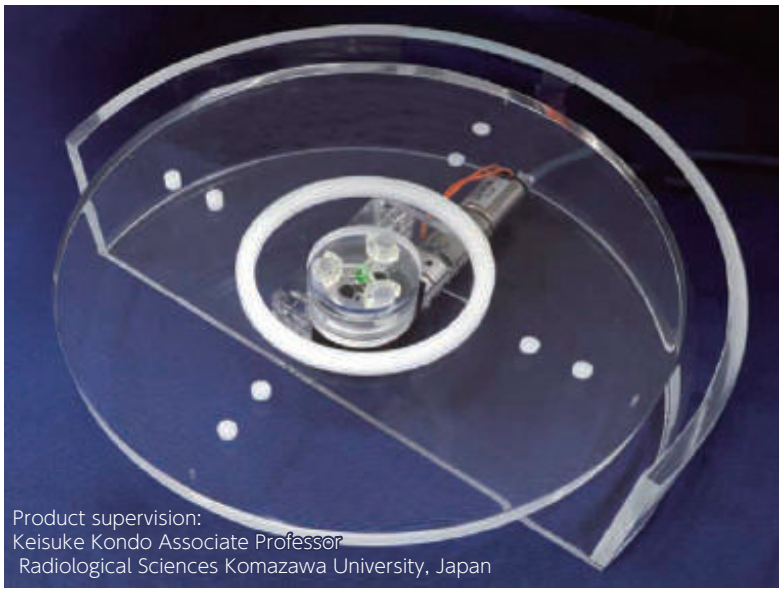
Hsieh CY, Gladish G, Willis CE. Evaluation of a commercial cardiac motion phantom for dual-energy chest radiography. J Appl Clin Med Phys. 2014 Mar 6;15(2):4508. doi: 10.1120/jacmp.v15i2.4508. PMID: 24710435; PMCID: PMC5875465.

PH-81 | 41949-000

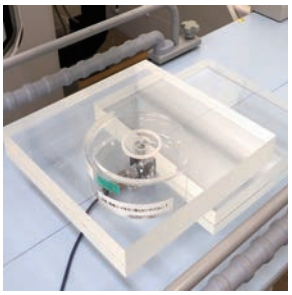
Moving Phantom for Residual Image Evaluation KS-III

X-ray

A phantom for determining shooting conditions and image processing parameters for moving images such as IVR



Product supervision:
Keisuke Kondo Associate Professor
Radiological Sciences Komazawa University, Japan





SHOW MORE!

FEATURES

- Signals placed on a rotating disk for determining shooting conditions and image processing parameters for moving images
- Using moving signals to analyze the residual images and lags
- Metallic ball for alignment
- Signals with four different contrast enables visual evaluation in low contrast
- Come with data analysis software which use imageJ

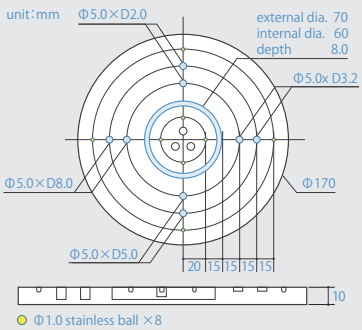
APPLICATIONS

- IVR
- Evaluation of residue in moving image
- Evaluation of contract variation in moving image

ANALYSIS METHOD

Noise reduction process such as recursive filter is effective on static images but generate residue (lag) on moving images. Use the phantom and the provided software to analyze and evaluate the residue (lag) particular to dynamic images.





DESCRIPTIONS

SET INCLUDES

1	control unit	1	analysis software
1	disc phantom	1	carrying case
1	set of cable and plug		manual

MATERIALS

Acrylic resin, Epoxy

SPECIFICATIONS

Phantom size:
W20×D18.5×H6.7 cm
W7.9×D7.3×H2.6 in
Phantom weight:
855g / 1.88lb

Rate of rotation:4 /minute
*Rate 4rpm is based on cardiac movement of 20mm/s
Internal signal:20.9mm/s, external signal:27.2mm/s
Power supply:AC100V 50/60Hz
Consumption:10W

*Acrylic plates for scatterer are not included in the set

PUBLICATION REFERENCES

Sato H, Kondo K, Kato K, Nakazawa Y. Evaluation of image lag in a flat-panel, detector-equipped cardiovascular X-ray machine using a newly developed dynamic phantom. J Appl Clin Med Phys. 2015 Mar 8;16(2):5213. doi: 10.1120/jacmp.v16i2.5213.

Kyoto Kagaku **Chest Phantom** Family

The thorax contains crucial organs for basic body maintenance and function, all of which can be endangered by the threat of lung cancer. Here's a family of chest phantoms which support training for better and more thorough diagnosis and treatment.

Pursuit of low-dose



PH-8 Lung Cancer Screening CT Phantom LSCT001



PH-58 Subsolid Nodules

Body size variation



PH-1C Pediatric Chest Phantom



Chest plates for "LUNGMAN"

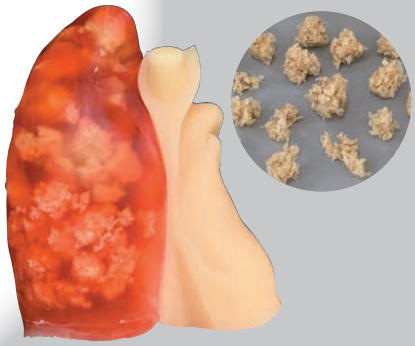


PH-1 Multipurpose Chest Phantom N1 "LUNGMAN"

Extensive possibilities for study and training

Attach the simulated tumors & Improve interpretation skills





Modality variation



PH-63 Thorax Phantom for RI

Radiotherapy



PH-39 Dynamic Thorax Phantom



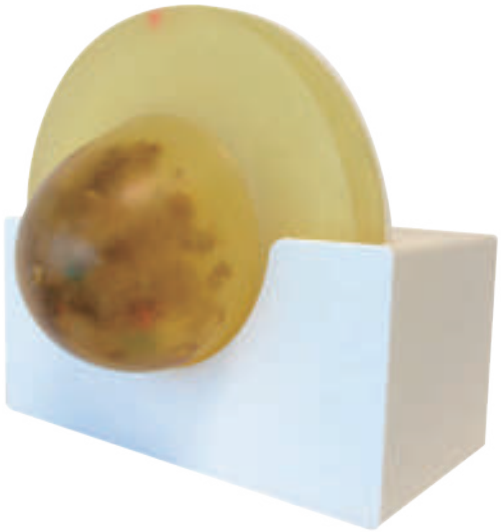
Components for Radioisotope for "LUNGMAN"

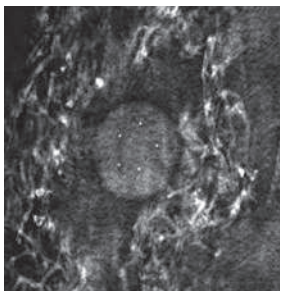
PH- 83 | 41956-000

Compressible Mammography Phantom Comp-AY

Mammo Tomo

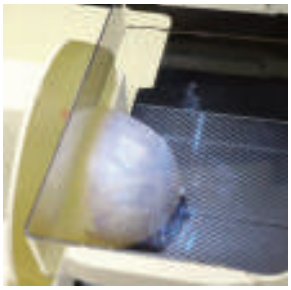
Allows for thorough visual evaluation under a variety of scanning conditions and image comparison of different modalities.





SHOW MORE!





FEATURES

- Soft and resilient material of the phantom allows breast compression for imaging.
- Three-dimensional structure of simulated mammary gland fibers and tumors to visualize realistic medical images.
- Allows for visual evaluation under different scanning conditions and locations of tumors
- Allows for image comparison of different modalities

APPLICATIONS

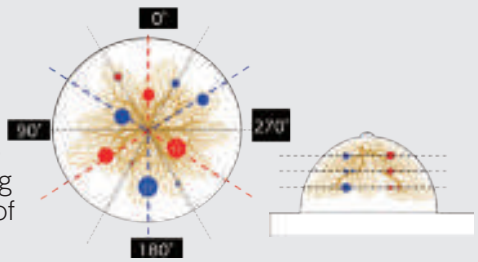
- Tomosynthesis
- Mammography
- Evaluation and study of effect of breast compression on image quality
- Patient Positioning

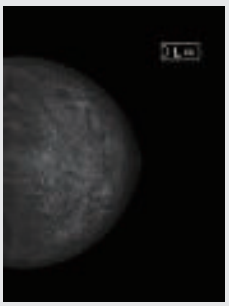
ANATOMY and Pathologies

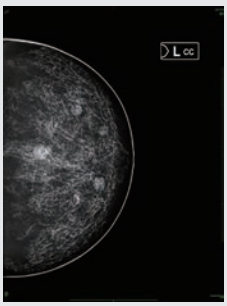
Simulated targets: 2, 4, 6, 8, 10mm dia.
Calcifications: 0.3mm dia. x 5 in each 10mm dia. target

- high density
- low density
- target with calcifications
- mammary grand

Angle gauge on the back of the phantom for reproducible setting as well as to simulate a variety of patient cases.




tomosynthesis (DBT)


mammography(2D)

DESCRIPTIONS

SET INCLUDES

1	breast phantom	1	set of sample X-ray data (DVD)
1	supporting holder		manual

MATERIALS

polyurethane

SPECIFICATIONS

Phantom size:
base :26 dia.×H3 cm, 10.2 dia.×H1.2 in
mamma:14 dia.×H9 cm, 5.5 dia.×H3.5 in
Phantom weight: 2.5kg, 5.5lb

PUBLICATION REFERENCES

A. Takada, H. Inagawa, M. Inohara, N. Ikeda, N. Nakagawa, A. Takeuchi,Y.Nagai,
Verification of Breast Compression Effects in Digital Mammography and Digital Breast Tomosynthesis Using Compressible Breast Phantom,ECR24, C-14022

PH-1 | 41337-000

Multipurpose Chest Phantom N1 "LUNGMAN"

CT X-ray

PH-1 is used in a study by the FDA to create a database of CT scans with different scanners and protocols, as a resource for assessment of lung nodule size estimation method





SHOW MORE!





FEATURES

- Detailed three-dimensional pulmonary vessels including capillaries permits radiographs and CT of every plane
- Radiation absorption and HU number approximate to human body
- Simulated tumors and other targets can be attached in the lung fields
- Wide variety of uses in interpretation training, anatomical education, evaluation and assessment of devices and other research
- Arms-abducted position of the torso suits the CT

APPLICATIONS

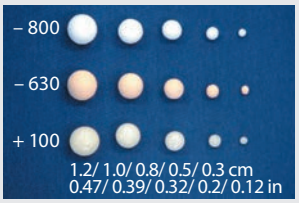
- CT
- Plain X-ray
- Radiographic interpretation

ANATOMY

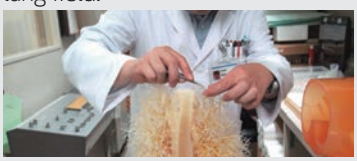
Chest includes;

- main body:
  synthetic bones are embedded
- mediastinum:
  heart, trachea
  pulmonary vessels
- abdomen (diaphragm) block:
  no internal structure

Simulated tumors



Simulated tumors in five-size and three-HU-number variations can be attached to arbitrary positions in the lung field.



DESCRIPTIONS

SET INCLUDES

1	chest torso	1	set of sample X-ray data (DVD)
15	simulated tumors (15 variations 1 piece each)		manual

SPECIFICATIONS

Phantom size:
W43×D20×H48 cm, chest girth 94 cm
W17×D8×H18 in, chest girth 37 in

Phantom weight:
18 kg / 39.6 lb

Packing size:
W63×D50×H29 cm
W24.8×D19.7×H11.4 in

Packing weight:
25 kg / 55.1 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41337-010	Chest plates
41363-020	Storage case
41337-070	Simulated tumors



PUBLICATION REFERENCES

Xie, X., Zhao, Y., Snijder, R. A., van Ooijen, P. M., de Jong, P. A., Oudkerk, M., ··· Greuter, M. J. (2013). Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. European radiology, 23(1), 139–147. doi:10.1007/s00330-012-2570-7

Gomi, T., Nakajima, M., Fujiwara, H., Umeda, T. (2011) Comparison of Chest Dual-energy Subtraction Digital Tomosynthesis Imaging and Dual-energy Subtraction Radiography to Detect Simulated Pulmonary Nodules with and without Calcifications. Academic Radiology, 18(2), 191–196. doi:10.1016/j.acra.2010.09.021

Gavrielides MA, Kinnard LM, Myers KJ, Peregoy J, Pritchard WF, Zeng R, Esparza J, Karanian J, Petrick N. A resource for the assessment of lung nodule size estimation methods: database of thoracic CT scans of an anthropomorphic phantom. Opt Express. 2010 Jul 5;18(14):15244-55. doi: 10.1364/OE.18.015244.

41337-090

Breast Plate for Chest Phantom N-1

CT X-ray

Simulates the absorption rate of breasts during female chest X-ray and demonstrates the influence of the nipple on image quality







SHOW MORE!

FEATURES

- This plate can be attached to PH-1 to study radiation absorption of the breasts and its effect on image quality.

APPLICATIONS

- CT
- Plain X-ray

DESCRIPTIONS

SET INCLUDES

1 breast plate

SPECIFICATIONS

Phantom size:
W47×D11×H55 cm
W18.5×D4.3×H21 in

Packing size:
W63×D50×H29 cm
W24.8×D19.7×H11.4 in

MATERIALS

urethane based resin (density: 1.06)

41337-080

Pneumonia Kit for N-1

CT X-ray

Attachment for N-1 chest phantom to create true-to-life medical images of pneumonia





*The mediastinum and the pulmonary vessels are not included.

DESCRIPTIONS

SET INCLUDES

1 set of pneumonia attachments

MATERIALS

polyurethane (density:0.92)

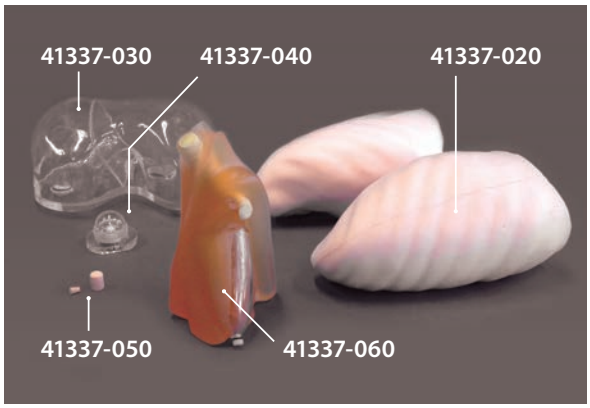
41337-020-

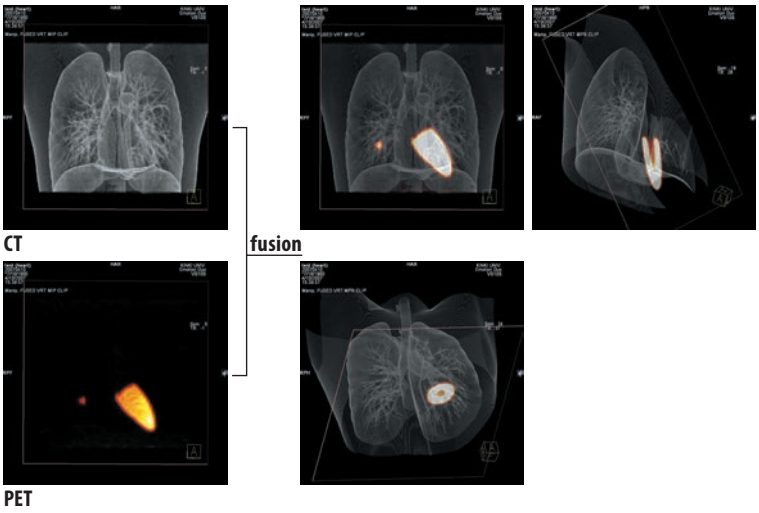
Components for Radioisotope

Optional Parts for PH-1

fusion: CT + PET/CT

The set of RI container inserts can be set in the chest phantom in place of standard inserts, allowing for wider research applications such as PET/CT fusion evaluation





41337-020 Lungs of urethane
41337-030 Liver RI container
41337-040 Gallbladder RI container
41337-050 Pulmonary nodule RI container
41337-060 Mediastinum with left myocardium RI container

DESCRIPTIONS

MATERIALS

Container: acrylic resin
Liver: acrylic resin
Heart: urethane based resin
Lung and pulmonary nodule: urethane based resin

PH-58

Subsolid Nodules Phantom

Optional Parts for PH-1

Both mixed and pure GGO are provided in a variety of sizes and HU numbers

Subsolid Nodules Phantom is a set of simulated lesions designed for study and training in Grand-Glass Opacity (GGO) detection and interpretation. Both mixed and pure GGO are provided in a variety of sizes and HU numbers. The set also includes 3-D GGO modeled on clinical CT data. The simulated lesions can be attached to the pulmonary vessels of the Chest Phantom N1 "LUNGMAN" or in the CT Lung Phantom.

41923-000 No.1-7 Concentric



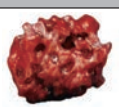
Item No.	GGO field Diameter	GGO field HU	Solid field Diameter	Solid field HU	Type
1	1.5 cm 0.59 in	-650	0.5 cm / 0.20 in	-50	Concentric
2				0	
3				50	
4	2.0 cm 0.79 in		0.3 cm / 0.12 in	0	
5			0.5 cm / 0.20 in		
6			0.7 cm / 0.28 in		
7			0.9 cm / 0.35 in		

41923-200 No.11-12 Eccentric



Item No.	GGO field Diameter	GGO field HU	Solid field Diameter	Solid field HU	Type
11	2.0 cm 0.79 in	-650	0.3 cm / 0.12 in 0.5 cm / 0.20 in	0	Eccentric
12			0.5 cm / 0.20 in 0.7 cm / 0.28 in	0	

41923-400 3D GGO



Item No.	GGO field Diameter	GGO field HU	Solid field Diameter	Solid field HU	Type
3D-GGO	1.5 × 1.5 cm 0.59 × 0.59 in	-590	-	-	-

41923-100 No.8-10 Eccentric



Item No.	GGO field Diameter	GGO field HU	Solid field Diameter	Solid field HU	Type
8	1.5 cm 0.59 in	-650	0.5 cm / 0.20 in	-50	Eccentric
9				0	
10				50	

41923-300 No. a-h Pure GGO



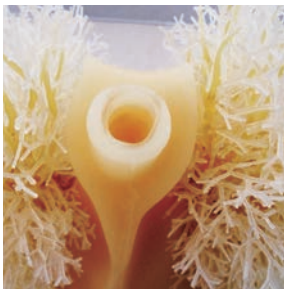
Item No.	GGO field Diameter	GGO field HU	Solid field Diameter	Solid field HU	Type
a	1.5 cm 0.59 in	-750	-	-	Pure GG
b		-650	-	-	
c		-550	-	-	
d		-450	-	-	
e		-350	-	-	
f		-250	-	-	
g		-150	-	-	
h		-50	-	-	

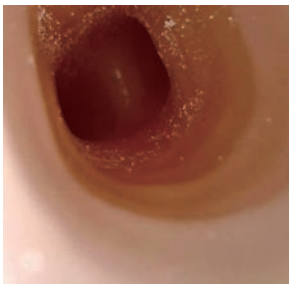
Bronchoscopy-compatible N-1 Lungman with Pulmonary Vessels

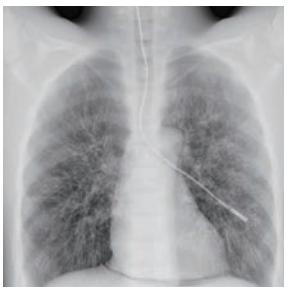
FLUORO CT X-ray

Lungman phantom with an open bronchus for bronchoscope









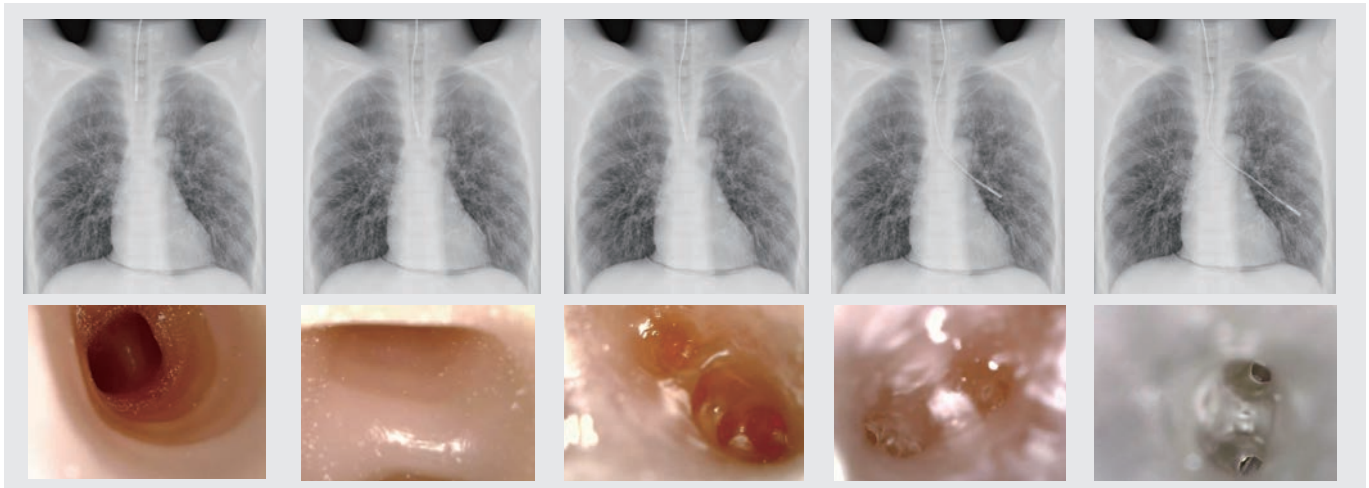
FEATURES

- Close to human medical images under X-ray, CT, and fluoroscopy
- The trachea and bronchi are hollow so that the bronchoscope can be passed into the airway up to the 4th~5th branches.
- Optional chest plates to simulate X-ray absorption of a larger body type.

APPLICATIONS

- CT
- Plain X-ray
- Fluoroscopy

Radiograph and bronchoscopic view



DESCRIPTIONS

SPECIFICATIONS

Phantom size:
W43×D20×H48 cm, chest girth 94 cm
W17×D8×H18 in, chest girth 37 in

Phantom weight:
18 kg / 39.6 lb

Packing size:
W63×D50×H29 cm
W24.8×D19.7×H11.4 in

Packing weight:
25 kg / 55.1 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
*Phantom has no metal parts or liquid structure

PH-1C | 41337-300 / 41337-400

Pediatric Chest Phantom

Dosimetry | CT | X-ray | STORAGE CASE

A phantom representing a five-year-old for practicing and performing imaging and dosimetry





SHOW MORE!





FEATURES

- Two types of interchangeable lung inserts are included –lung vascular insert and lung density insert
- Pencil-shaped ion chamber for CTDI can be set in the mediastinum
- TLD or RPL dosimeters can be set in the thyroid block and the lung density insert
- Detachable internal structure allows insertion of variety of pathologies and targets

APPLICATIONS

- CT
- Plain X-ray
- Dosimetry
- Radiographic interpretation

ANATOMY

Rib, clavicle, spine, mediastinum, scapula, sternum and *pulmonary vessel

*lung vascular insert only



TLD or RPL dosimeters can be set in the thyroid block

DESCRIPTIONS

SET INCLUDES

1	five-year-old chest torso	1	set of sample images
1	lung vasculature insert: mediastinum with pulmonary vessels	1	storage case
1	lung density insert: mediastinum, lung fields (L・R)**		manual

** 41337-300 only

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.52)
*Phantom has no metal parts or liquid structure

SPECIFICATIONS

Phantom size:
W32×D17×H38 cm
W12.6×D6.7×H15 in

Packing size:
W51×D43×H45 cm
W20×D17×17.7 in

Phantom weight:
6 kg / 13.3 lb

Packing weight:
14 kg / 30 lb

PH-8 | 41507-000

Lung Cancer Screening CT Phantom LSCT001

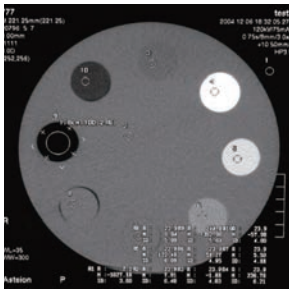
Dosimetry CT

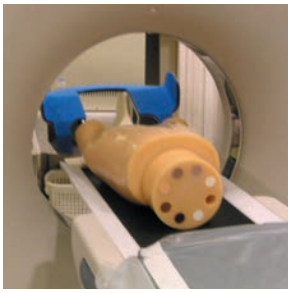
Chest phantom for standardization studies in low dose lung cancer CT screening
Anthropomorphic structure provides life-like images





SHOW MORE!





FEATURES

- Simulated GGO type tumors with different sizes and HU numbers are prepared in the vicinity of three main sections of bilateral lungs
- Dosimeter holder on the central axis of the phantom allows housing a pencil-type ion chamber. 8-step cylindrical linearity phantom to control density curve as a scale can be attached to the chest phantom base

APPLICATIONS

- CT image quality evaluation
- Dosimetry
- Evaluation of density curve

ANATOMY

- Bones
- Lungs
- Mediastinum
- Simulated tumors at three lung areas
  - Apical portion of the lungs
  - Bifurcation of the trachea
  - Base of lungs

Simulated tumors

	HU contrast with the lung back ground	size	materials
tumors in the right lung	△HU=100	4, 6, 8, 10, 12 mm dia. 0.16, 0.24, 0.32, 0.39, 0.47 in dia.	urethane resin
tumors in the left lung	△HU=270	2, 4, 6, 8, 10 mm dia. 0.08, 0.16, 0.24, 0.32, 0.39 in dia.	urethane resin

Linearity phantom targets

	HU contrast with the lung back ground	materials		HU contrast with the lung back ground	materials
A	-1000	air	E	-200	polyurethane
B	-850	polyurethane	F	100	polyurethane
C	-600	polyurethane	G	250	Bakelite
D	-400	polyurethane	H	350	polyacetal resin



DESCRIPTIONS

SET INCLUDES

1	chest phantom	1	adjustment base
1	8 step linearity phantom	1	set of sample images
1	urethane cylinder		manual

MATERIALS

Chest wall: human tissue substitute
Bones: synthetic bones
Alveoli: styrene foam and urethane foam

SPECIFICATIONS

Phantom size:
W44×H69.4 cm
W17.3×H27.3 in

PUBLICATION REFERENCES

Muramatsu, Y., Tsuda, Y., Nakamura, Y., Kubo, M., Takayama, T., & Hanai, K. (2003). The Development and Use of a Chest Phantom for Optimizing Scanning Techniques on a Variety of Low-Dose Helical Computed Tomography Devices. Journal of Computer Assisted Tomography, 27(3), 364-374. doi:10.1097/00004728-200305000-00012

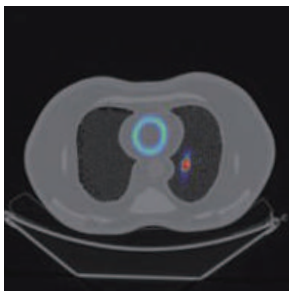
PH-63 | 41927-000

Thorax Phantom for RI

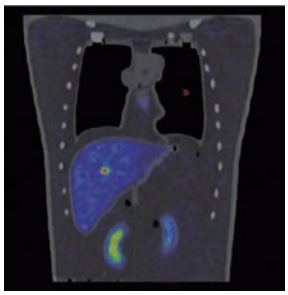
PET/ SPECT

Thorax Phantom for RI is an optimal tool for study in nuclear medicine





SHOW MORE!





FEATURES

Examination of myocardial density through SPECT imaging

- Verification of myocardial imaging with the use of various RI solution densities
- Myocardial infarction can be depicted
- By filling RI solution into the lungs, liver and kidneys, the effect of these organs on the heart can be recreated.

Examination of RI solution density for simulated tumors

- The simulated tumors can be inserted into lung, liver and breast
- Tumors can be filled with FDG/RI solution into the spheres for evaluation of density, size and placement

APPLICATIONS

- PET
- Quality management of NM equipment
- RI solution density for tumor imaging

ANATOMY

- Liver
- Lung (right/left)
- Kidney (right/left)
- Hot spots (liver, lungs and breast)

* Hot spot for PET can be set in liver, lungs and breast.

- Heart
  - Anatomical type: right ventricle, left ventricle and myocardium
  - Geometric type: left ventricle and myocardium

HU

- Bone: 370HU
- Lung: -900HU
- Organ shell material: 100HU, and 1.16g/cm3 in density

DESCRIPTIONS

SET INCLUDES

1	thorax body
2	lungs (left and right)
4	hearts
1	liver
2	kidneys (left and right)
1	rib cage and spine
2	breasts (left and right)
3	hot spots
2	aorta
1	beaker
1	base
6	plastic pins
6	supporting bars
4	matel frame
1	silicon sealing gasket
3	tubes
1	syringe
12	nuts and bolts
1	water tank
1	Vaseline
	manual

MATERIALS

Soft tissue: transparent polyurethane
Lungs: materials with density 0.4 g/cm3
Bone materials: Calcium-infused material to provide proper attenuation with use of RI solutions

SPECIFICATIONS

Phantom size:
W44×H69.4 cm
W17.3×H27.3 in

Phantom weight:
phantom itself: 21 kg / 46.2 lb
when filled with liquid: 37.5 kg / 82.6 lb

Kyoto Kagaku **Anthropomorphic Phantoms**

Our Anthropomorphic phantoms provide life-like images and attenuation, which is ideal for educational training applications and help to determine and evaluate optimal scanning parameters.



We provide a variety of anthropomorphic phantoms in order to meet your imaging needs.

	NEWBORN	CHILD (5-year-old)		ADULT	
	Standard	Standard	Variations	Standard	Variations
Plain X-ray	PH-50B:P.5	PH-2C:P.6 PBU-70	PH-2D:P.7 Bone fracture	PH-2B:P.8	PH-2: P.10 PH-60: P.11 PBU-POSE
CT					PH-2E:P.9 with pathologies
Dosimetry					

The above matrix chart indicates the most recommended application/modality for use of each phantom and not necessarily means the phantom should exclusively be used with marked modalities.
All the above phantoms can be imaged via both plain radiography (X-ray) and CT.
Differences in included organs or tissue-substitute material means some phantoms have wider use in CT study/training than others.

Body size variations



41350-200-16 (BMI 32)/ 41350-200-17 (BMI 40)
Body Plates P.31

Shoulders:	rotate through a full 360 degrees in the sagittal plane, approx. 180 degrees to side-ways.
Hip joints:	rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each. bend up to approx. 90 degrees.
Elbows and Knees:	The phantom can be held in the supine frog leg position.

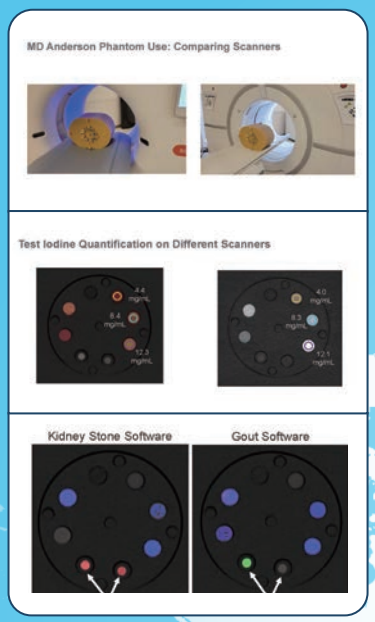
Position of Hands and feet
left hand: aligned fingers
right hand : spread fingers
left foot : plantar flexion
right foot : dorsi flexion

For separate anatomy...



PH-61 41926-000-
Sectional Phantom Series P.43

Phantoms in Use Around the World



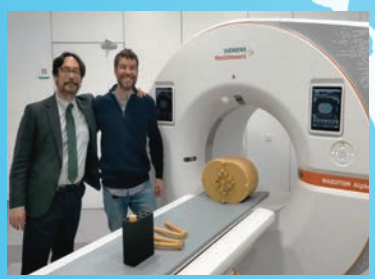
Use of PH-75 to compare scanners and software applications in a center of **USA**



"Tai-Shan Cup"
Radiographer students around **China** compete with their skills for honor of their schools



Students practicing positioning in X-Ray scanning with Head Phantom, Baekseok Culture University , **Korea**



Installation of PH-75 at Quirón Hospital **Barcelona**



Whole body phantoms are used in radiographer programs across the **North America**



Demonstration of Breast Compression at **ECR2023** using the Compressible Mammography Phantom



The country's first two training phantoms were incorporated in the radiology course of the Central University of **Ecuador** through SDGs Business Verification Survey with the Private Sector of Japan International Cooperation Agency (JICA)



At university of **Sydney** PBU-60 is used in distance learning

PH-50B | 41912-100

Newborn Whole Body Phantom "PBU-80"

Dosimetry | CT | X-ray | STORAGE CASE

Limbs with articulation for natural positioning







SHOW MORE!

FEATURES

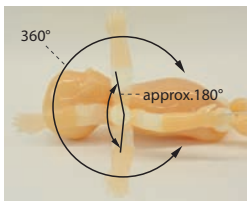
- Limbs rotate 360 degrees at shoulders and hip joints
- Left hand is clenched and right hand is open
- Kyoto Kagaku original human tissue substitute material
- A hole for an ion chamber
- HU of average newborn (HU 30)

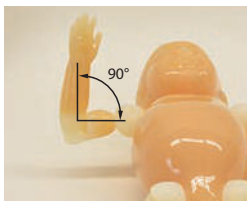
APPLICATIONS

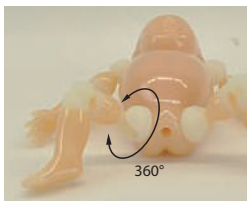
- CT and plain X-ray
- Dosimetry
- Autopsy imaging
- Positioning: with / without a poser / upright AP / supine AP / upright lateral / supine lateral

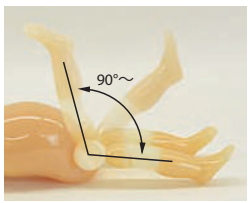
ANATOMY

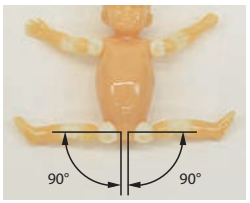
skull / spine/ clavicles / scapulae / ribs / humerus / radius / ulnae / bones of hands / femora / tibiae / fibula / bones of foot / pelvis / lungs / mediastinum / colon

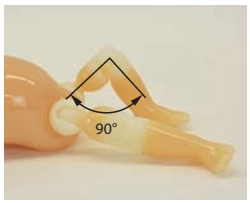













hole for an ion chamber

DESCRIPTIONS

SET INCLUDES

1	newborn whole body phantom
1	set of sample CT/X-ray data (DVD)
1	storage case
1	insert for the dosimeter hole
1	manual

MATERIALS

Soft tissue: urethane based resin (density: 1.07)
Synthetic bone: epoxy resin (density: 1.31)
*Phantom has no metal parts or liquid structure

SPECIFICATIONS

Phantom size:	Phantom weight:	Packing size:	Packing weight:
53 cm 20.8 in	3.5 kg / 7.7 lb	W57×D44×H29 cm W22.4×D17.3×H11.4 in	8 kg / 17.6 lb

PH-2C | 41350-300

Pediatric Whole Body Phantom "PBU-70"

CT X-ray

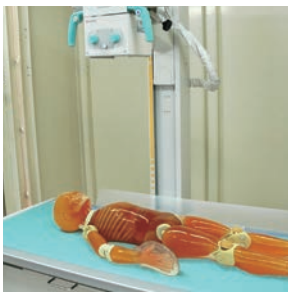
This phantom representing a five-year-old child is easy to position, and provides complete bone images for every joint











FEATURES

- Radiology absorption and HU number approximate to human body
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- Plain X-ray
- CT
- Basic patient positioning

ANATOMY

Bony Structure

skull / spine/ clavicles / scapulae / ribs / sternum / coxal bones / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot

HU numbers of each organ:

liver	70
kidney	30

Internal organs

lung with pulmonary vessels / trachea (up to primary bronchi) / heart / liver with portal and hepatic veins

Position of Hands and feet

left foot : plantar flexion
right foot : dorsiflexion
left hand : aligned fingers
right hand : spread fingers

DESCRIPTIONS

SET INCLUDES

1	pediatric whole body phantom	1	screwdriver
1	head supporter	1	set of sample X-ray data (DVD)
1	hand fixture belt		manual

SPECIFICATIONS

Phantom height:
110 cm
43.3 in

Packing size:
W86×D60×H32 cm
W33.8×D23.6×H12.6 in

Phantom weight:
20 kg / 44 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-080 storage case for PH-2C / 2D

PUBLICATION REFERENCES Söderberg, M., & La, S. (2013). Evaluation of adaptation strengths of CARE Dose 4D in pediatric CT. SPIE Medical Imaging, 9-14. doi:10.1117/12.2001694

PH-2D | 41350-500

Bone Fracture Pediatric Phantom "PBU-70B"

CT X-ray

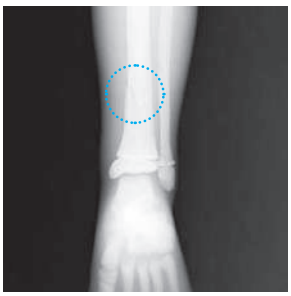
Improve skills in detecting bone fractures in children and cultivate awareness of child maltreatment.





SHOW MORE!





FEATURES

- Training in pediatric radiography can be enriched with clear and subtle bone fractures
- Typical fractures resulting from child abuse are also included
- Radiology absorption and HU number approximate to human body
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- Plain X-ray
- CT
- Basic patient positioning
- Radiographic interpretation

CONCEPT and ANATOMY - Is there sign of abuse?

Child maltreatment

Children around the world are victims to domestic violence and abuse, yet the problem is often overlooked. Noticing the signs of an abusive fracture of a child is the first step to putting an end to these maltreatments.
This phantom has been designed and developed to cultivate such observation skills in future radiologists and radiographers.

Signs of callus	A number of callus examples can be a result of abusive treatment. This particular model contains calluses in the wound healing phase 5.
Supracondylar humerus fracture	A supracondylar humerus fracture on the distal humerus above the epicondyles and is a fracture commonly observed in children, accounting for approximately 20%.
Spiral fracture	Certain causes of non-accidental pediatric injuries, such as spiral fractures, include maltreatment stimulated by anger or distress.
Back, scapula and rib fractures	Rib fractures close to the vertebrae may be potential indicators of the child being thrown.
Skull fractures	A linear skull fracture may be another indication of child maltreatment. At times, fractures display better on x-ray scans than CT imaging.

DESCRIPTIONS

SET INCLUDES

1	pediatric whole body phantom	1	screwdriver
1	head supporter	1	set of sample X-ray data (DVD)
1	hand fixture belt		manual

SPECIFICATIONS

Phantom height:
110 cm 43.3 in
Phantom weight:
20 kg / 44 lb
Packing size:
W86×D60×H32 cm
W33.8×D23.6×H12.6 in

REPLACEMENT PARTS

41350-500-01	Head for PH-2D with head stand
41350-500-02	Forearm-hand left for PH-2D (Closed fingers)
41350-500-03	Upper Arm left for PH-2D
41350-500-04	Trunk for PH-2D
41350-500-05	Thigh left for PH-2D
41350-500-06	Leg and foot left for PH-2D

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-080 storage case for PH-2C / 2D

PUBLICATION REFERENCES

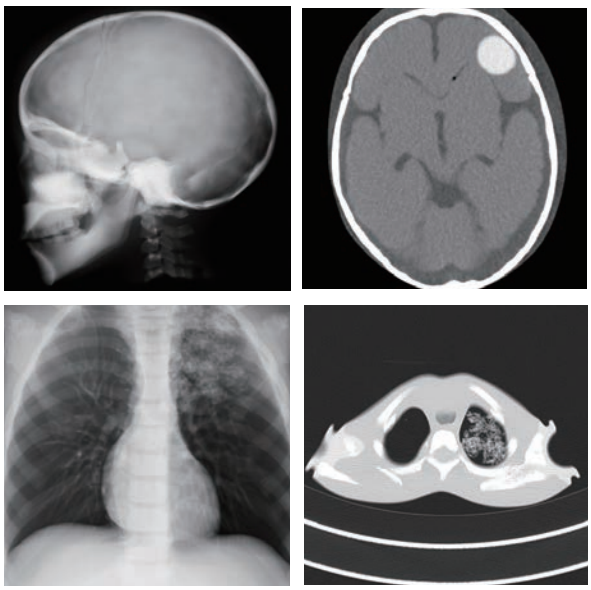
L. J. O. Lanca1, M. W. Bowdler, J. Creedon, V. Dayer, N. Stensholt, V. Stuivenberg, S. Pinhao1, M. Visser, J. Jorge, Paediatric phantom dose study using digital radiography with variation of exposure parameters and filtration ECR2018 C-0986 DOI: 10.1594/ecr2018/C-0986

CT Pediatric Whole Body Phantom with Pathologies

CT X-ray

Whole body phantom including key pathologies for pediatrics such as pneumonia





FEATURES

- Includes organs and key pathologies for pediatric patients
- Radiology absorption and HU number approximate to human body
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- Plain X-ray
- CT
- Basic patient positioning

ANATOMY and PATHOLOGIES

Bony Structure

skull / spine/ clavicles / scapulae / ribs / sternum / coxal bones / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot

Internal organs

brain/lung with pulmonary vessels / trachea (up to primary bronchi) / heart / liver with portal and hepatic veins

HU numbers of each organ:

brain	40
liver	70
kidney	30

Pathologies:

brain tumor (HU130)
pneumonia

DESCRIPTIONS

SET INCLUDES

1	pediatric whole body phantom	1	screwdriver
1	head supporter	1	set of sample X-ray data (DVD)
1	hand fixture belt		manual

SPECIFICATIONS

Phantom height:
110 cm
43.3 in

Packing size:
W86×D60×H32 cm
W33.8×D23.6×H12.6 in

Phantom weight:
20 kg / 44 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-080	storage case for PH-2C / 2D

PH-2B | 41350-200

CT Whole Body Phantom "PBU-60"

CT X-ray

A unique, life size whole body phantom for CT provides a variety of educational application as well as visual evaluation in finding out optimal scanning conditions





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FEATURES

- The phantom includes full internal organs with close-to-human HU for each.
- Radiology absorption and HU number approximate to human body
- Main joints have close-to human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- CT
- Plain X-ray
- Basic patient positioning

ANATOMY

Full internal organs

Bony structure
Synthetic skull
Cervical vertebrae
Vertebrae
Clavicles
Ribs
Sternum
Scapula
Coxal bones
Femurs

Internal organs	HU number at 80KeV
Brain	
Cerebrum	40
Mesencephalon	40
Cerebellum	40
Cerebral ventricles	10
Eye balls	20
Arteries with contrast medium (left half only)	250
Lungs	-1000
Pulmonary vessels	8
Trachea	trachea wall: 8 / inside: -1000
Heart	PBU-50: 8 / PBU-60: 40
Liver	70

Internal organs	HU number at 80KeV
Portal and hepatic veins	40
Pancreas	30
Kidneys	30
Gallbladder	20
Spleen	50
Seminal vesicle	25
Aorta	40
Cava	70
Ureter	ureteral wall: 30 / inside: 10
Urinary bladder	10
Prostate	50
Rectum	rectum wall: 70 / inside: -800
Sigmoid Colon	colon wall: 70 / inside: -800

DESCRIPTIONS

SET INCLUDES

1	whole body phantom	1	hand-fixture belt
1	head supporter	1	set of sample CT/X-ray data (DVD)
1	flat head screwdriver		manual

SPECIFICATIONS

Phantom height:
165 cm
65 in

Phantom weight:
50 kg / 110 lb

Packing size:
W92×D57×H38 cm / W36×D22×H15 in
W90×D63×H22 cm / W35×D25×H8.7 in
W89×D57×H16 cm / W35×D22×H6.3 in

Packing weight:
80 kg / 176 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-070	storage cases (consist of 2 boxes)
41350-200-16	body plates for PH-2/2B (BMI 32)
41350-200-17	body plates for PH-2/2B (BMI 40)

PUBLICATION REFERENCES

Kim, S., & Jung, H. (2013). A Study on Performance of Low-Dose Medical Radiation Shielding Fiber (RSF) in CT Scans. International Journal of Technology, 4(2), 178-187. doi:10.14716/ijtech.v4i2.107

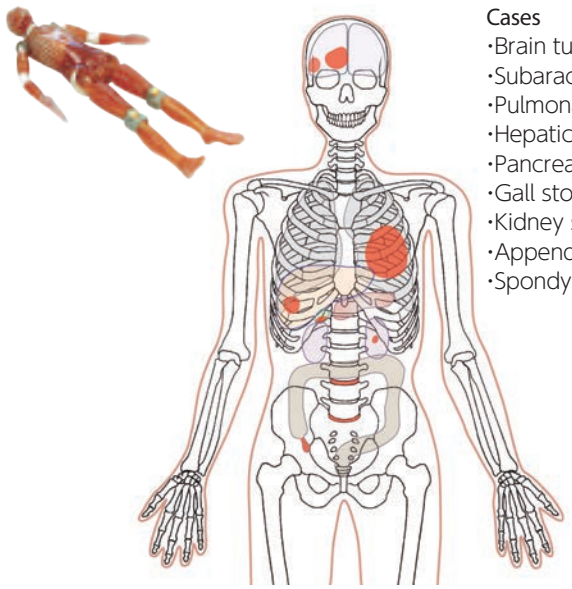
Storage case P.31 ▸

PH-2E | 41350-700

CT Whole Body Phantom with Pathologies

CT X-ray

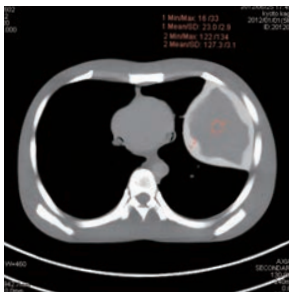
Implement theory with practice with pathological findings in this hands-on training phantom

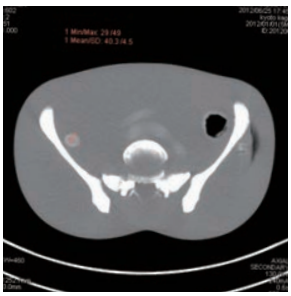


Cases
- Brain tumor
- Subarachnoid hemorrhage
- Pulmonary tumor
- Hepatic tumor
- Pancreatitis
- Gall stone
- Kidney stone
- Appendicitis
- Spondylolisthesis



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FEATURES

- Pathological findings added to detailed anatomy of PBU-60
- Radiology absorption and HU number approximate to human body
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- CT
- Plain X-ray
- Basic patient positioning

ANATOMY and PATHOLOGY

Cases	HU number at 80KeV	Cases	HU number at 80KeV	Cases	HU number at 80KeV
Brain tumor	130	Hepatic tumor	10	Kidney stone	170
Subarachnoid hemorrhage	90	Pancreatitis	30	Appendicitis	inside: 30 / outside: 40
Pulmonary tumor	inside: 30 / outside: 130	Gall stone	170	Spondylolisthesis	-

Full internal organs

Bony structure
Synthetic skull
Cervical vertebrae
Vertebrae
Clavicles
Ribs
Sternum
Scapula
Coxal bones
Femurs

Internal organs	HU number at 80KeV
Brain	
Cerebrum	40
Mesencephalon	40
Cerebellum	40
Cerebral ventricles	10
Eye balls	20
Arteries with contrast medium (left half only)	250
Lungs	-1000
Pulmonary vessels	8
Trachea	trachea wall: 8 / inside: -1000
Heart	PBU-50: 8 / PBU-60: 40
Liver	70

Internal organs	HU number at 80KeV
Portal and hepatic veins	40
Pancreas	30
Kidneys	30
Gallbladder	20
Spleen	50
Seminal vesicle	25
Aorta	40
Cava	70
Ureter	ureteral wall: 30 / inside: 10
Urinary bladder	10
Prostate	50
Rectum	rectum wall: 70 / inside: -800
Sigmoid Colon	colon wall: 70 / inside: -800

DESCRIPTIONS

SET INCLUDES

1	whole body phantom	1	hand-fixture belt
1	head supporter	1	set of sample CT/X-ray data (DVD)
1	flat head screwdriver		manual

SPECIFICATIONS

Phantom height:
165 cm
65 in

Packing size:
W92×D57×H38 cm / W36×D22×H15 in
W90×D63×H22 cm / W35×D25×H8.7 in
W89×D57×H16 cm / W35×D22×H6.3 in

Phantom weight:
50 kg / 110 lb

Packing weight:
80 kg / 176 lb

MATERIALS

Soft tissue: urethane based resin (density 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-070	storage cases (consist of 2 boxes)
41350-200-16	body plates for PH-2/2B (BMI 32)
41350-200-17	body plates for PH-2/2B (BMI 40)

Storage case P.31 ▸

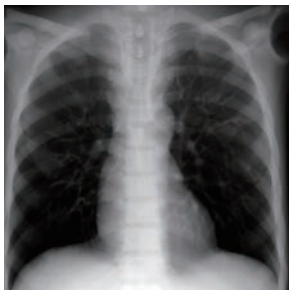
PH-2 | 41350-000

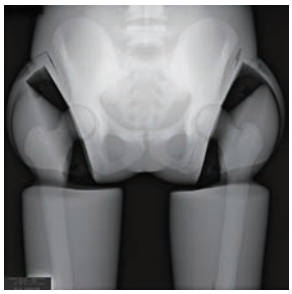
Whole Body Phantom "PBU-50"

CT X-ray

An essential asset for every radiography program









SHOW MORE!

FEATURES

- Radiology absorption and HU number approximate to human body.
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- Plain X-ray
- Basic patient positioning
- Basic CT

ANATOMY

skull / spine / clavicles / scapulae / ribs / sternum / coxal bones / lungs with pulmonary vessels / trachea (up to primary bronchi) / heart / liver with portal and hepatic veins / kidneys / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot

Position of Hands and feet

left foot : plantar flexion
right foot : dorsiflexion
left hand : aligned fingers
right hand : spread fingers

DESCRIPTIONS

SET INCLUDES

1	whole body phantom	1	hand-fixture belt
1	head supporter	1	set of sample X-ray data (DVD)
1	flat head screwdriver		manual

SPECIFICATIONS

Phantom height:
165 cm
65 in

Phantom weight:
50 kg / 110 lb

Packing size:
W92×D57×H38 cm / W36×D22×H15 in
W90×D63×H22 cm / W35×D25×H8.7 in
W89×D57×H16 cm / W35×D22×H6.3 in

Packing weight:
80 kg / 176 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-070	storage cases (consist of 2 boxes)
41350-200-16	body plates for PH-2/2B (BMI 32)
41350-200-17	body plates for PH-2/2B (BMI 40)

PUBLICATION REFERENCES

P. Kaewpookum, M. Kraekratoke, C. Thirinthong,a J. Yasamud, T. Siriwiladluk,
P. Sisot, P. Khayaiwonga, The Evaluation of the Correlation between Radiographic Exposure Technique and Entrance Surface Air Kerma using Exposure Index from Computed Radiography Ramkhamhaeng International Journal of Science and Technology (2020) 3(2): 24-30

Storage case P.31 ▸

PH-60 | 41925-000

Tough Whole Body Phantom "PBU-90 RUGGED"

CT X-ray

Designed for rough handling, improved durability and less maintenance





SHOW MORE!





Durability testing

FEATURES

- Radiology absorption and HU number approximate to human body.
- Main joints have close-to-human articulation
- Phantom can be disassembled into 10 individual parts

APPLICATIONS

- Plain X-ray
- Basic patient positioning
- Basic CT

PBU-90 allows training scenarios that involve rough handling. Details of the bones in the hands and the feet are simplified compared to those of PBU-50/60 for increased durability.

ANATOMY

skull / spine / clavicles / scapulae / ribs / sternum / coxal bones / lungs with pulmonary vessels / trachea (up to primary bronchi) / heart / liver with portal and hepatic veins / kidneys / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot

Position of Hands and feet

left foot : plantar flexion
right foot : dorsiflexion
left hand : aligned fingers
right hand : spread fingers

DESCRIPTIONS

SET INCLUDES

1	whole body phantom	1	hand -fixture belt
1	head supporter	1	set of sample X-ray data (DVD)
1	flat head screwdriver		manual

SPECIFICATIONS

Phantom height:
165 cm
65 in

Phantom weight:
50 kg / 110 lb

Packing size:
W92×D57×H38 cm / W36×D22×H15 in
W90×D63×H22 cm / W35×D25×H8.7 in
W89×D57×H16 cm / W35×D22×H6.3 in

Packing weight:
80 kg / 176 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.12)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-070	storage cases (consist of 2 boxes)
41350-200-16	body plates for PH-2/2B (BMI 32)
41350-200-17	body plates for PH-2/2B (BMI 40)

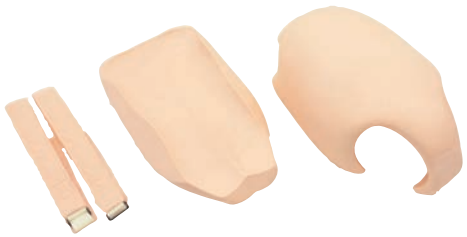
Storage case P.31

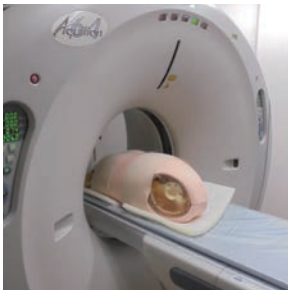
41350-200-16 (BMI 32) / 41350-200-17 (BMI 40)

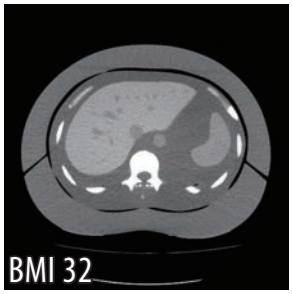
Optional Parts for PH-2 / 2B / 2E / 60

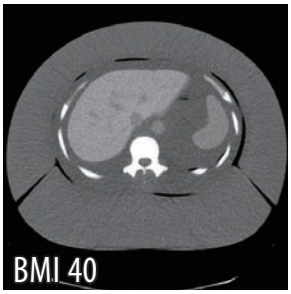
Body plates

Body plates to simulate a patient of BMI 32 / BMI 40









FEATURES

For studying the effect of patient size on radiation dose and image quality.

DESCRIPTIONS

SET INCLUDES

1	body plate (front)
1	body plate (back)
2	belts

Phantom size with plates:

	circumference	thickness
Chest	: 100cm (BMI 32) , 117cm (BMI 40)	/ 25.5cm (BMI 32) , 35.5cm (BMI 40)
Waist	: 99cm (BMI 32) , 118cm (BMI 40)	/ 31.5cm (BMI 32) , 36 cm (BMI 40)
abdomen	: 105cm (BMI 32) , 120cm (BMI 40)	/ 34.5cm (BMI 32) , 39.5cm (BMI 40)

SPECIFICATIONS

Phantom size:
front : W67×D37×H26cm(BMI32) W67×D43×H27cm(BMI40)
back : W66×D36×H12cm(BMI32) W67×D36×H11cm(BMI40)

Packing size:
W77×D48×H40 cm × 2 boxes
W30.3×D18.9×H15.7 in × 2 boxes

Packing weight:
41350-200-16(BMI 32): 21 kg / 46.3 lb
41350-200-17(BMI 40): 34.5 kg / 76 lb

MATERIALS

Urethane based resin (density: 1.06)

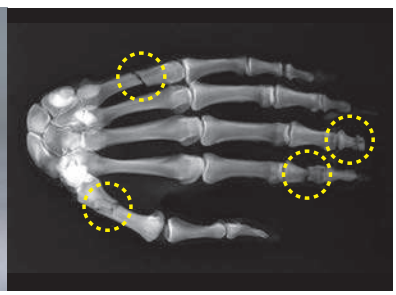
41350-000-11

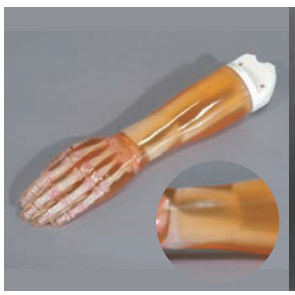
Optional Parts for PH-2 / 2B / 2E / 60

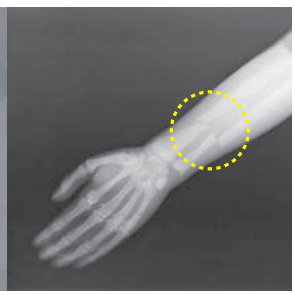
Fractured Hand/Forearm Phantom PH-2/2B

X-ray phantom for trauma evaluation









DESCRIPTIONS

Bone Fractures:
ulna, radius, first metacarpal, middle phalanx of the index finger, distal phalanx of the first finger (compressed fracture), fifth metacarpal

SET INCLUDES

1	fractured hand / forearm phantom

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
*Phantom has no metal parts or liquid structure



41363-070

Optional Parts for PH-2 / 2B / 2E / 60

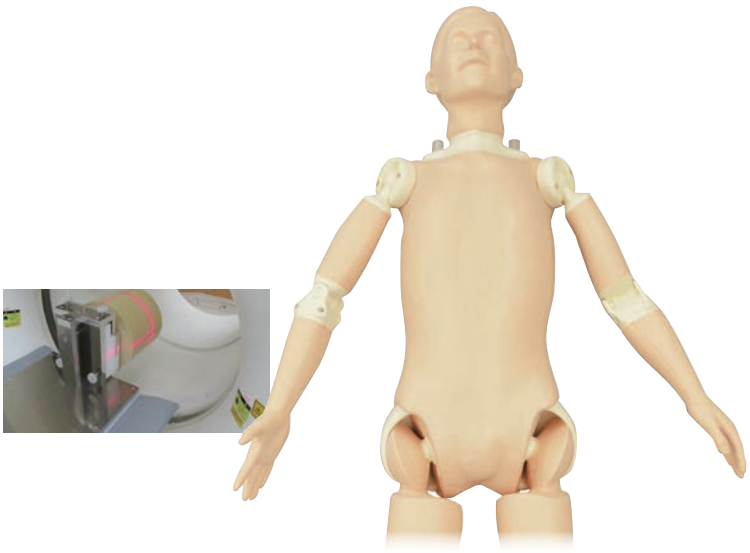
Storage case 2 (a pair)

PH-79 | 41945-000

X-Ray Training Phantom PBU-POSE

X-ray

For patient-friendly and accurate positioning learning
Supports scenario based trainings including communication skills



*The wheelchair is not included.



SHOW MORE!





FEATURES

- Light weight and close-to-human articulation as well as anatomical landmarks for positioning and patient handling.
- Soft touch of phantom's skin facilitates realistic simulation training scenario including communication skills.
- Radiography with a lower irradiation reducing risk for trainees and stress on the device.
- Enables training free from privacy concerns and inconveniences associated with use of standardized patients.

APPLICATIONS

- Patient positioning
- Patient transportation
- Plain radiography

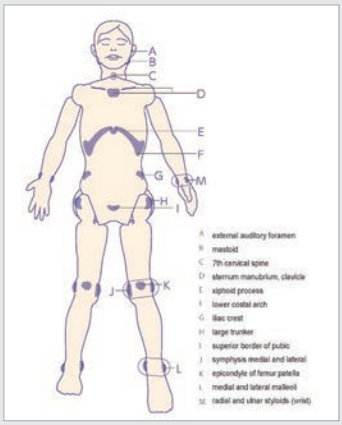


ANATOMY

Skeletal system
skull, cervical spine, vertebrae, clavicles, scapulae, sternum, pelvis, lungs (no vessels), heart, kidneys, upper and lower arm bones, carpal, metacarpal, femur, kneecaps, lower leg bones, tarsi, metatarsals, phalanges

Internal organs
trachea (up to 1st bifurcation), lungs (diaphragm only), heart, kidneys

Landmarks
external acoustic foramen, mastoid, seventh cervical vertebra, manubrium, xiphisternum, styloid process of radius, superior margin of the symphysis pubis, medial epicondyle of femur/epicondylus lateralis, patella, malleolus (internal condyle /external condyle), subcostal area, landmark on the body surface, trochanter, processus styloideus, ulnae



SET INCLUDES

1	whole body phantom	1	set of assembly tools
1	head supporter	1	set of sample X-ray data (DVD)
1	pajamas		manual

MATERIALS

Soft tissue : polyurethane foam (density 0.2)
Skeleton : epoxy resin (density 1.31)
Skull : urethane resin (density 1.12)

SPECIFICATIONS

Phantom dimensions
height:
165 cm/64.9in
weight:
18 kg / 39.69 lb

chest girth : 85cm (thickness : 20cm)
33.5in (thickness : 7.9cm)
waist girth : 75cm (thickness : 19cm)
29.5 in (thickness : 7.5cm)

Packing size:
W113×D59×H37 cm
W44.5×D23.2×H14.6 in

PH-4 | 41324-040

CT Torso Phantom CTU-41

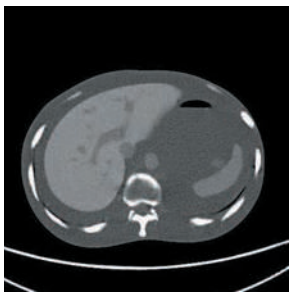
CT X-ray STORAGE CASE

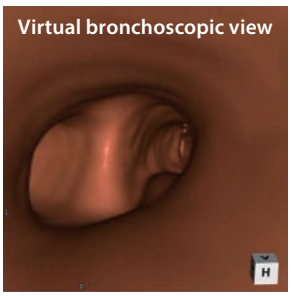
A one-piece anthropomorphic torso phantom with anatomical structures
Allows various CT approaches including helical scanning











FEATURES

- One-piece structure of the phantom facilitate study in volume CT scan including helical scan.
- The phantom can be used for alignment in Image Guided Radiation Therapy (IGRT)

APPLICATIONS

- CT

ANATOMY

- Synthetic bones with cartilage
  -artificial skull, vertebrae, clavicles, ribs, sternum, scapula, coxal bones, femurs

Internal organs		Hounsfield Number
Soft tissue around each organ		8
Brain	Brain	40
	Ventricles	10
Eye balls		20
Aorta		40
Vena Cava		40
Trachea	Up to the first branch	-800
	The second –the third branch	8
Heart		40
Pulmonary Blood Vassal		8
Cartilage in Costae		90

Internal organs		Hounsfield Number
Liver	Whole	70
	Vein	40
Gallbladder		20
Pancreas		30
Spleen		50
Kidney	Whole	30
	Vein	40
	Urethra	10
Urethra		10
Urinary Bladder		10

DESCRIPTIONS

SET INCLUDES

1	CT torso phantom
1	set of sample X-ray data (DVD)
1	storage case
	manual

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

SPECIFICATIONS

Phantom height:
100 cm
39.4 in

Phantom weight:
45 kg / 99 lb

Packing size:
W119×D53×H48 cm
W46.9×D20.9×H18.9 in

Packing weight:
59 kg / 130lb

PUBLICATION REFERENCES

Haba, T., Kondo, S., Hayashi, D., Takeuchi, A., Ishii, T., Numamoto, H., & Koyama, S. (2012). Effectiveness of the message passing interface method in reducing computation time. 1-3. Paper presented at 19th EGS Users' Meeting in Japan 2012, Tsukuba, Japan.

PH-3 | 41309-100 for CT / 41309-200 for Angio / 41309-300 for MECT

Angiographic CT Head Phantom ACS

CT Angio MECT STORAGE CASE

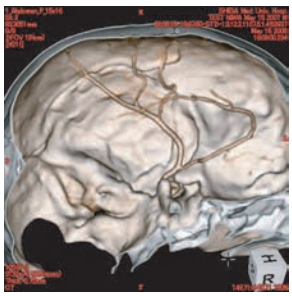
Kyoto Kagaku's best-selling head phantom for CT
With new variation: Head Phantom for MECT, which contains arteries of innovative water equivalent material





SHOW MORE!





FEATURES

- Three variations of head phantoms with different features for arteries to meet your requirements:
  CT / Angiography / Multi Energy CT
- Contrast-enhanced left cerebral arteries are three-dimensionally embedded in the brain
- Vessels with 13mgl/ml iodine (MECT type)

APPLICATIONS

- CT (41309-100)
- Angiography (41309-200)
- Multi-energy CT (41309-300)

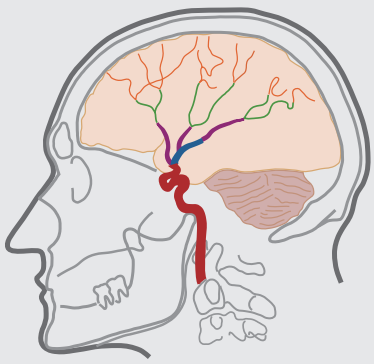
ANATOMY

- A synthetic skull
- Soft tissue
- Simulated arteries with contrast medium
  Left anterior cerebral arteries
  Left middle cerebral arteries
  Internal carotid artery
  Diameters of simulated0.5-4.0 mm
  *Arrangement of arteries are the same for all three types.

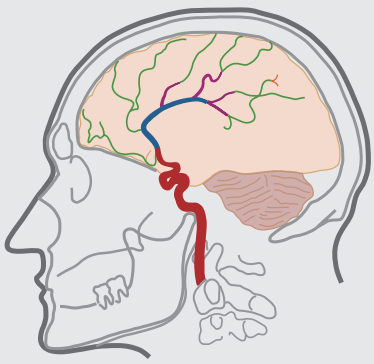
- HU

Soft tissue	0	Cerebellum	40
Cerebrum	40	Cerebral ventricles	10
Mesencephalon	40	Eye balls	20

**calculated value at 80 keV



Middle cerebral artery



Anterior cerebral artery

DESCRIPTIONS

SET INCLUDES

1	head phantom	1	storage case
1	set of sample X-ray data (DVD)		manual

MATERIALS

Soft tissue: urethane based resin
Cervical vertebrae (C1-C7): epoxy resin

SPECIFICATIONS

Phantom height:	Phantom weight:	Packing size:	Packing weight:
33 cm / 13 in	5.25 kg / 11.57 lb	W46×D31×H32 cm / W18.1×D12.2×H12.6 in	8 kg / 17.6 lb

PUBLICATION REFERENCES

Kim C, Park M, Sung Y, Lee J, Choi J, Cho S. Data consistency-driven scatter kernel optimization for x-ray cone-beam CT. Phys Med Biol. 2015 Aug 7;60(15):5971-94. doi: 10.1088/0031-9155/60/15/5971.

PH-77 | 41943-000

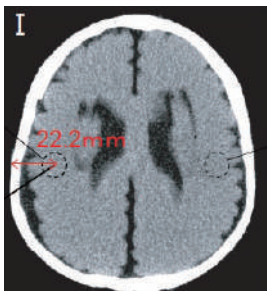
CT Stroke Head Phantom KH

CT STORAGE CASE

Study and training for early detection of acute cerebral stroke



Product supervision: Hidetake Hara
Department of Radiology,
School of Allied Health Sciences, Kitasato University





SHOW MORE!

FEATURES

- Sphere shaped simulated lesions (acute stroke) are embedded in the brain.
- This phantom support study and training in visualizing low-contrast lesions in low energy range

APPLICATIONS

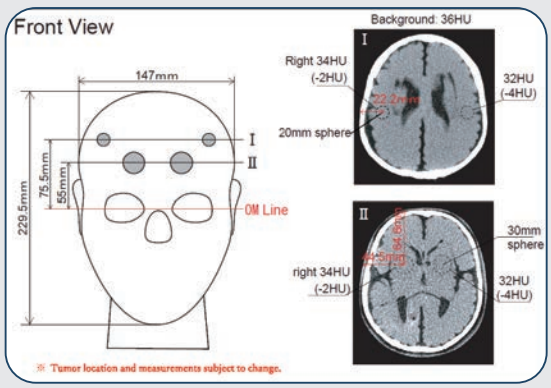
- CT

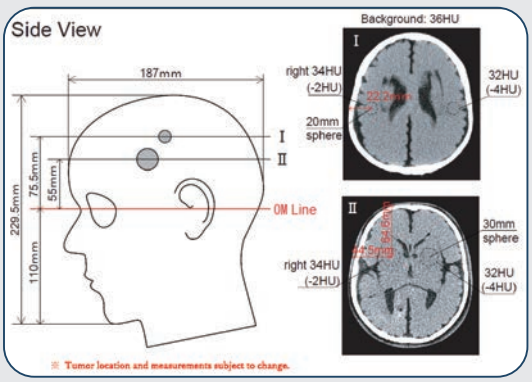
ANATOMY and PATHOLOGY

- Anatomy
- A synthetic skull
- Soft tissue
- Brain
- Pathology
- Acute stroke (20mm dia. x2, 30mm dia. x 2)

|HU (at 60keV)

Soft tissue	0
Cerebrum	36
Mesencephalon	36
simulated lesions (acute stroke)	32 34
Cerebellum	36
Cerebral ventricles	10
Eye balls	20





DESCRIPTIONS

SET INCLUDES

1	head phantom
1	set of sample X-ray data (DVD)
1	storage case
	manual

MATERIALS

Soft tissue: urethane based resin (density 1.06)
Skull: urethane based resin (density 1.11)
Cervical vertebrae (C1-C7): epoxy resin (density 1.31)

SPECIFICATIONS

Phantom height:
33 cm
13 in

Phantom weight:
5.25 kg / 11.57 lb

Packing size:
W46×D31×H32 cm
W18.1×D12.2×H12.6 in

Packing weight:
8 kg / 17.6 lb

PH-76 | 41301-300 (Two-way set) / 41301-500 (Mouth closed) / 41301-400 (Open mouth)

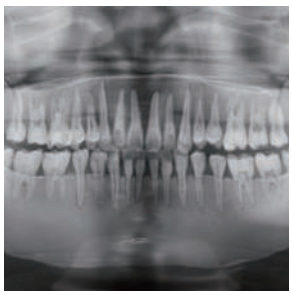
Dental Radiography Head Phantom

X-ray STORAGE CASE

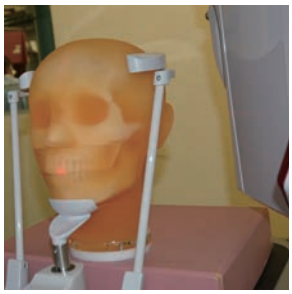
Open / closed mouth options and removable tongue allow a variety of application for training and research

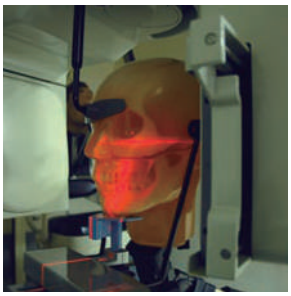






SHOW MORE!





Product supervision:
Akitoshi Katsumata, D.D.S., Ph.D. Professor
Asahi University, School of Dentistry

FEATURES

- Each tooth is separately modeled and has a three-layer structure of enamel, dentin and pulp cavity
- Each hard tissue (enamel, dentin, cortical bone and cancellous bone) has a particular HU number and X-ray absorption rate
- Jaws and tongue are detachable to allow access to the oral cavity, pharyngeal cavity and maxillary sinus. Censors, simulated lesions, or residue can be set in these cavities
- Carotid arteries are prepared as lumens to accommodate simulated calcifications

APPLICATIONS

- Dental radiography
  panoramic (41301-500)
  intra-oral (41301-400)

ANATOMY and PATHOLOGY

Synthetic skull with
- nasal cavity, maxillary sinus, mandible alveolar, maxillary alveolar, cervical vertebrae and hyoid bone, teeth with enamel, dentin and pulp cavity.
- Tongue, oral cavity, pharyngeal cavity and carotid arteries

DESCRIPTIONS

SET INCLUDES

1	main head unit	1	tripod
1	upper jaw (alveolar bone)	1	set of sample X-ray data (DVD)
1	lower jaw (alveolar bone)	1	storage case
1	tongue		manual
1	fixation base (including screws)		

SPECIFICATIONS

Phantom size:
W20×D21×H29 cm
W7.8×D8.2×H11.4 in

Phantom weight:
4.8 kg / 10.6 lb

Packing size:
W66×D54×H34 cm
W44×D21×H13.3 in

Packing weight:
12 kg / 26.4 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

REPLACEMENT PARTS

41301-400-01 lower jaw (mouth opened) for PH-76
41301-500-01 lower jaw (mouth closed) for PH-76

OPTIONAL PARTS

41301-200-01 lower jaw with implant *mouth closed type



PUBLICATION REFERENCES Kitai N, Mukai Y, Murabayashi M, Kawabata A, Washino K, Matsuoka M, Shimizu I, Katsumata A. Measurement accuracy with a new dental panoramic radiographic technique based on tomosynthesis. Angle Orthodontist. 2013; 83, No 4.
Read more: http://www.ncbi.nlm.nih.gov/pubmed/22612390

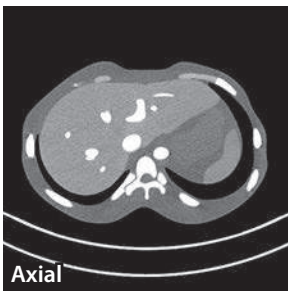
PH-5 | 41360-000 for CT / 41360-100 for MECT

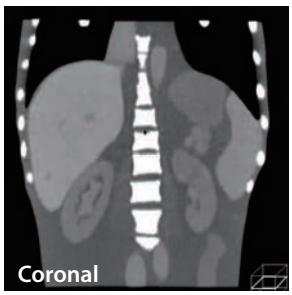
CT Abdomen Phantom

MECT CT STORAGE CASE

The phantom facilitates study of image fusion between CT and ultrasound in combination with US-1 Echozy*. New variation for MECT has been added







SHOW MORE!

FEATURES

- Two variation to meet your requirements:
  CT type (no contrast enhancement),
  MECT type (vessels with 13mgI/ml** iodine and the liver of multi-energy CT compatible material)

APPLICATIONS

- CT
- Multi energy CT

**Concentration of iodine can be custom-ordered.

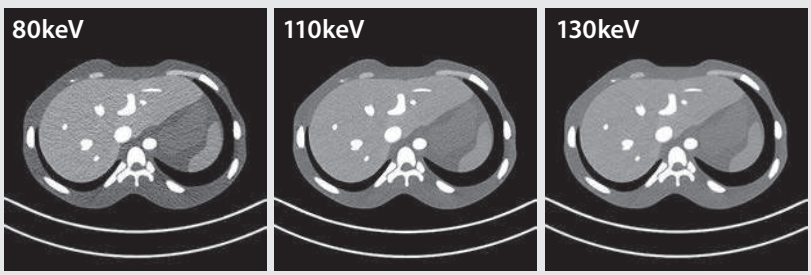
ANATOMY

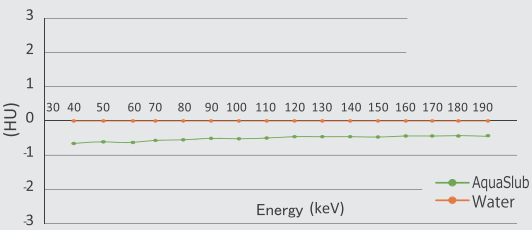
- lungs (no internal structure)
- heart (no internal structure)
- liver
- portal vein
- gallbladder
- hepatic vein
- hepatic artery
- kidneys
- pancreas
- spleen
- aorta
- IVC
- spinal column
- ribs

*Vessels and organs with a contrast agent can be included as a special order.

IMAGES of Multi-Energy CT

Liver and contrast enhanced vessels are of multi-energy compatible AquaSlab→see P.28 for more information.
The below right graph shows WEM's high water-equivalency through wide energy range





DESCRIPTIONS

SET INCLUDES

1	abdomen phantom
1	set of sample X-ray data (DVD)
1	storage case
	manual

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

SPECIFICATIONS

Phantom size:
W27×D16×H30 cm
W10.6×D16×H11.8 in

Phantom weight:
12 kg / 26.4 lb

Packing size:
W44×D39×H42 cm
W17.3×D15.3×H16.5 in

Packing weight:
19 kg / 42 lb

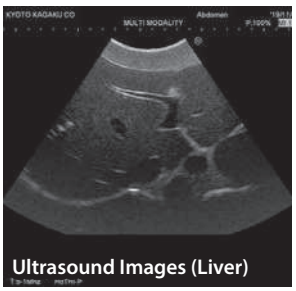
US-22 | 41952-000

Dual Modality Human Abdomen Phantom (CT, Ultrasound)

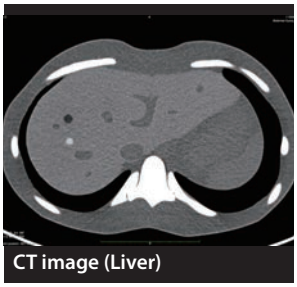
Ultra sound | CT | X-ray

This Dual-Modality Phantom is a suitable item to conduct studies and training of fusion imaging for a wide range of clinical applications





SHOW MORE!



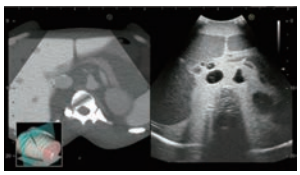


FEATURES

- Fusion image generation training
- Mapping for biopsy (invasive procedures are not possible with this phantom)
- Surgical planning
- Radiation therapy planning
- Training for imaging skills in Ultrasound and CT

APPLICATIONS

- CT
- Ultrasound

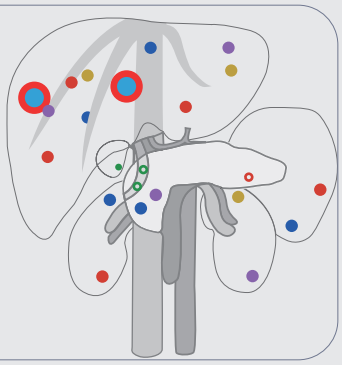


ANATOMY

Liver
(segmental anatomy, portal and hepatic venous systems, ligament, teres and ligamentum venosum)
Biliary tract
(gallbladder, cystic duct, intrahepatic and extrahepatic bile ducts)
Spleen / kidneys
Detailed vascular structures
(aorta, vena cava, celiac artery and its branches, portal vein and its branches, superior mesenteric vessels, renal vessels, and more)

Embedded Targets

		Liver HU70	Gall bladder HU20	Pancreas HU30	Spleen HU50	Kidney (r) HU30	Kidney (l) HU30
anechoic	Φ10mm	3 HU50		1 HU10	1 HU10	1 HU10	
	Φ3mm						
hypoechoic	Φ10mm	2 HU50					1 HU10
isoechoic	Φ10mm	2 HU90		1 HU10			1 HU10
hyperechoic	Φ10mm	2 HU90		1 HU10		1 HU10	
double edge	Φ20mm	2 HU90					
stone	Φ5mm		1 HU170				
	Φ3mm			2 HU170			



DESCRIPTIONS

SET INCLUDES

1	abdominal phantom
1	positioning pillow
1	talcum powder
1	storage case
	manual

MATERIALS

polyurethane

SPECIFICATIONS

Size: W29×D19×H31 cm
W11.4×7.5×12.2 inch

Weight: 12 kg / 26.5 lbs

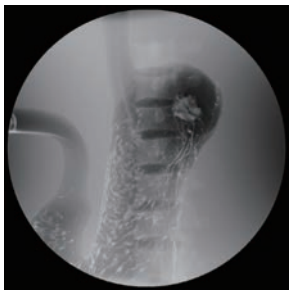
PH-18 | 41311-000

Stomach Phantom BMU-1

X-ray STORAGE CASE

Stomach phantom for double contrast gastrography







SHOW MORE!

FEATURES

- Life-size distended stomach with lesions modeled from real specimens
- Barium can be poured in the stomach for imaging
- Pathologies include early cancer and gastric ulcer

APPLICATIONS

- Double contrast gastrography

DESCRIPTIONS

SET INCLUDES

1	stomach phantom
1	storage case

SPECIFICATIONS

Phantom size:	Phantom weight:	Packing size:	Packing weight:
W30×D20×H33 cm W11.8×D7.9×H13 in	16 kg / 35.3 lb	W51×D39×H51 cm W20×D15.3×H20 in	20 kg / 44 lb

MATERIALS

Soft tissue: urethane based resin (density: 1.31)

PUBLICATION REFERENCES

Fukuda A. [Exposure dose reduction to medical staff during intracoronary radiotherapy with phosphorus-32]. Nihon Hoshasen Gijutsu Gakkai Zasshi. 2003 Aug;59(8):921-6. Japanese. doi: 10.6009/jjrt.kj00000921835.

PH-19 | 41312-010

Rotation Stomach Phantom TMP-R

X-ray STORAGE CASE

Rotatable phantom to simulate double contrast gastrography





SHOW MORE!

FEATURES

- Rotation system to simulate the movement of patient
- Life-size distended stomach with lesions modeled from real specimens
- Barium can be poured in the stomach for imaging
- Pathologies include early cancer and gastric ulcer

APPLICATIONS

- Double contrast gastrography

DESCRIPTIONS

SET INCLUDES

1	stomach phantom
1	rotation unit
1	controller
1	supporting pole
1	phantom holder
1	model of lesions
1	storage case

SPECIFICATIONS

Phantom size:
W25×D18×H28 cm
W9.8×D7.1×H11 in

MATERIALS

Urethane based resin / epoxy resin

OPTIONAL PARTS

41312-010-01 Extension bar

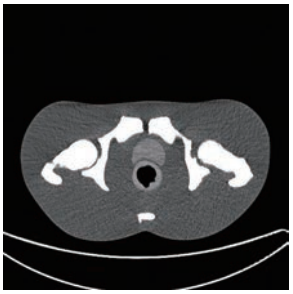
PH-46 | 41362-000

CT Prostate Phantom

CT | STORAGE CASE

Excellent phantom for therapy planning of prostate cancer







SHOW MORE!

FEATURES

- For alignment in Image Guided Radiation Therapy (IGRT)
- Organs with close-to-human HU facilitate training in CT scanning

APPLICATIONS

- CT and Corn beam CT

organs	HU at 80KeV
Prostate	50
Seminal vesicles	25
Bladder surface	30
Bladder inside	10
Rectal surface	70
Rectal inner cavity	-800

ANATOMY

- Prostate, urinal bladder with simulated internal fluid, seminal vesicles and rectum
- Bones: L3,L4 and L5, pelvis and femurs (partial)

DESCRIPTIONS

SET INCLUDES

1	phantom	1	storage case
1	set of sample X-ray data (DVD)		manual

MATERIALS

Soft tissue: urethane resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

SPECIFICATIONS

Packing size:	Phantom height:	Packing weight:
W44×D39×H42 cm W17.3×D15.3×H16.5 in	35 cm / 13.7 in	27 kg / 59.5 lb

PH-71 | 41935-000

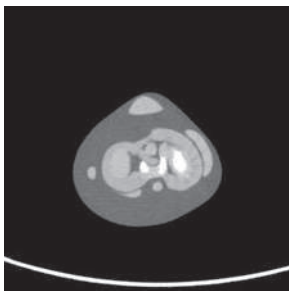
Knee Ligament Phantom

X-ray | CT | STORAGE CASE

Detailed knee anatomy with HU of each bone, cartilage including meniscus and ligament







SHOW MORE!

FEATURES

- Anthropomorphic knee phantom that allows visualization of ligaments and cartilage
- Close-to-human radiation absorption and HU for each respective anatomical structure as well as realistic artifacts

APPLICATIONS

- Plain X-ray
- CT

ANATOMY

femur / tibia / fibula / patella / articular cartilage of patella / meniscus / cruciate ligament / medial collateral ligament / fibular collateral ligament / articular cartilage

DESCRIPTIONS

SET INCLUDES

1	knee phantom		manual
1	storage case		

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

SPECIFICATIONS

Phantom size:	Phantom weight:
14 dia.×45(H) cm 5.5 dia.×17.7(H) in	4.5 kg / 10 lb

PH-49 | 41910-000

CT Colonography Phantom NCCS

Dosimetry | CT | STORAGE CASE

Innovative study tool for safe and effective CT Colon screening

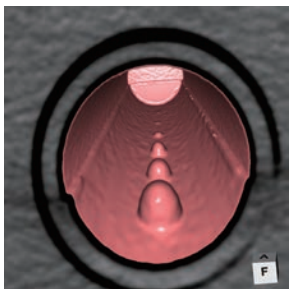
Product supervision:
National Cancer Center (Japan)





SHOW MORE!





FEATURES

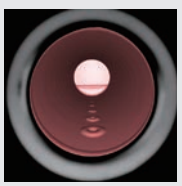
- Cylindrical colon units with targets that represent polyps can be set at the position of ascending colon, descending colon and rectum in the life-size lower torso phantom
- Four types of colon units are included for evaluation. Each unit has six targets lining in sequence on the inner wall of the unit
- Contrast agent can be poured into the colon units for tagging
- Pencil shaped ion chambers can be inserted in the center of the phantom for CTDI measurement

APPLICATIONS

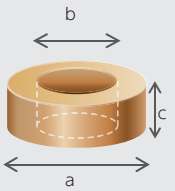
- Virtual colonography
- Visualization and detection of targets
- Study on optimal dose for low dose CT colonography
- Evaluation of accuracy of measurement (size, volume)
- Study on optimal density of contrast media

VARIATION of Simulated Tumors

Depressed type -2 variations-



Virtual Endoscope View



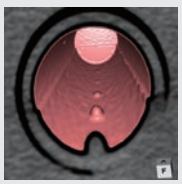
Depressed I: fixed diameter

a: Outer diameter	b: Inner diameter	c: Height
0.7 cm/ 0.27 in	0.35 cm/ 0.13 in	0.2 cm/0.07 in
		0.15 cm/0.06 in
		0.1 cm/0.03 in
		0.05 cm/0.02 in
		0.025 cm/0.01 in
		0.015 cm/0.005 in

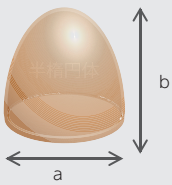
Depressed II: fixed height

a: Outer diameter	b: Inner diameter	c: Height
1.0 cm/0.39 in	0.5 cm/0.2 in	0.1 cm/ 0.03 in
0.7 cm/0.27 in	0.35 cm/0.13 in	
0.5 cm/0.20 in	0.25 cm/0.1 in	
0.3 cm/0.11 in	0.15 cm/0.06 in	
0.2 cm/0.07 in	0.1 cm/0.03 in	
0.1 cm/0.03 in	0.05 cm/0.02 in	

Projection type -2 variations-



Virtual Endoscope View



Projection I: fixed diameter

a: Diameter	b: Height
1.0 cm/ 0.4 in	0.7 cm/0.27 in
	0.5 cm/0.20 in
	0.3 cm/0.11 in
	0.2 cm/0.07 in
	0.1 cm/0.03 in
	0.05 cm/0.02 in

Projection II: fixed ratio

a: Diameter	b: Height
1 cm/0.4 in	1.0 cm/0.39 in
0.7 cm/0.27 in	0.7 cm/0.27 in
0.5 cm/0.2 in	0.5 cm/0.20 in
0.3 cm/0.11 in	0.3 cm/0.11 in
0.2 cm/0.07 in	0.2 cm/0.07 in
0.1 cm/0.03 in	0.1 cm/0.03 in

DESCRIPTIONS

SET INCLUDES

1	lower torso phantom	1	plug for ion chamber hole
1	acrylic container	1	holder for colon unit
4	types of colon units	1	base holder
3	plugs for colon unit hole	1	storage case
1	plug with ion chamber hole		manual

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

SPECIFICATIONS

Packing size:
W63×D50×H29 cm
W24.8×D19.6×H11.4 in

Packing weight:
32 kg / 70.5 lb

PH-51 | 41913-000

Lumbar Spine Fluoroscopy Training Phantom

STORAGE CASE

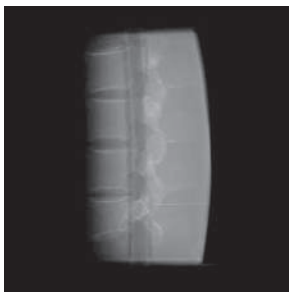
Ideal training tool for hands-on workshop of vertebroplasty
The phantom has two types of interchangeable and replaceable inserts with radio-opaque lumbar spine

Product supervision:
Dr. David Wilson MBBS, BSc, MFSEM, FRCP, FRCR
Consultant Radiologist St Luke's Hospital Oxford
Senior Clinical Lecturer University of Oxford





SHOW MORE!





"I have tested the final product with various different manufacturing kits and would have no hesitation in recommending these phantoms to clinicians who wish to teach any of the technical vertebroplasty procedures."

DR DAVID J WILSON MBBS BSc MFSEM FRCP FRCR
CONSULTANT MUSCULOSKELETAL INTERVENTIONAL RADIOLOGIST

FEATURES

- Two types of replaceable training block vertebroplasty block and anesthesia block
- Lumbar spine from L2-L5 can be visualized under X-ray.
- Realistic sensation when penetrating tissue and bones

TRAINING SKILLS

- Recognition of fluoroscopic anatomy and landmarks
- Vertebroplasty
- Fluoroscopy guided epidural anesthesia: needle placement in facet joint injection, root block and discogram.

ANATOMY

- Lumbar spine (L2-L5)
- Spinal canal
- Epidural space (anesthesia block only)

DESCRIPTIONS

SET INCLUDES

1	lumbar torso	1	syringe
1	vertebroplasty block	1	irrigation bag
1	anesthesia block	1	storage case
1	skin cover		manual

MATERIALS

Soft tissue: urethane based resin (vertebroplasty block)
silicone (anesthesia block)
Synthetic bone: epoxy resin

SPECIFICATIONS

Phantom size:
W33×D21×H30 cm
W13×D8.2×H11.8 in

Packing size:
W52×D44×H30 cm
W20.4×D17.3×H11.8 in

REPLACEMENT PARTS

41913-000-01	anesthesia block
41913-000-02	vertebroplasty block
11348-150	skin cover

RELATED PRODUCTS



M43E / 11348-500 Ultrasound Compatible Lumbar Puncture/Epidural Simulator
- Ultrasonic anatomy and needle access training

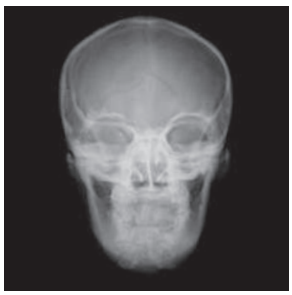
PH-61 | 41926-000-

Sectional Phantom Series

X-ray

Sectional phantoms allow for imaging of individual anatomy as needed





SHOW MORE!





FEATURES

- Opaque and transparent types for a diverse training possibility
  Opaque: advanced version with close-to-reality challenges in imaging
  Transparent: visible bones facilitate understanding in keys for positioning
- Movable joints of the knee and the elbow for realistic positioning

APPLICATIONS

- Plain X-ray

ITEMS

REGION	NO.	PRODUCT NAME	NOTE
	41926-000	Head (Opaque)	Stand-alone design can be used with the adjustable head positioning stand to demonstrate accurate skull positioning
	41926-010	Head (Transparent)	
	41926-060	Thorax (Opaque)	Includes thoracic skeletal system with embedded mediastinal space and bronchus to provide realistic imaging. The scapulae are rotated outside of the lung fields for PA chest imaging ※Capillaries are not included
	41926-070	Thorax (Transparent)	
	41926-080	Pelvic (Opaque)	Includes lumbar/sacral spine, pelvic bony anatomy and proximal femurs
	41926-140	Right Elbow (Opaque)	Natural flexion range allows for AP/lateral and partial flexion views with one phantom
	41926-150	Right Elbow (Transparent)	
	41926-020	Right Hand (Opaque)	Spread finders for PA projection
	41926-030	Right Hand (Transparent)	
	41926-040	Left Hand (Opaque)	Oblique position AP oblique projection
	41926-050	Left Hand (Transparent)	
	41926-180	Right Knee (Opaque)	Movable patella and joint with flexion allow for realistic positioning of the knee for AP, lateral, oblique, sunrise and tunnel views
	41926-190	Right Knee (Transparent)	
	41926-100	Right Foot (Opaque)	Dorsiflexion
	41926-110	Right Foot (Transparent)	
	41926-120	Left Foot (Opaque)	Plantar flexion
	41926-130	Left Foot (Transparent)	

DESCRIPTIONS

SET INCLUDES (each)

1	phantom
1	set of sample X-ray data (DVD)
1	manual

*41926-000/010 come with an adjustable head supporter

MATERIALS

Soft tissue: urethane based resin
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.2)
*Phantom has no metal parts or liquid structure

PH-78 | 41944-000 30mm Cube Set / 41944-100 20mm Cube Set

Radiology Cube Phantom XCUBEFAN

X-ray

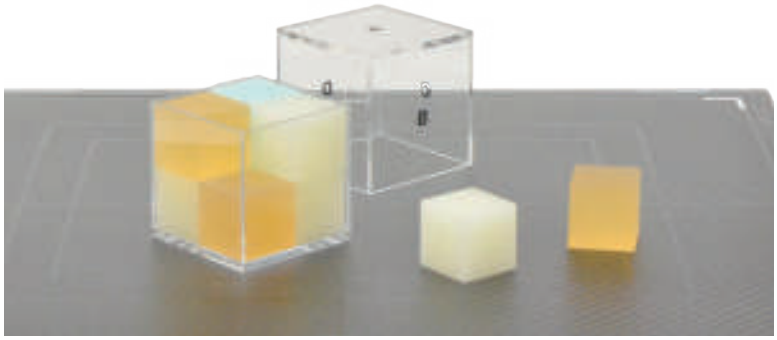
Designed for beginners to provide better understanding of the special characteristics seen in radiology imaging

Product supervision:
Keisuke Kondo Associate Professor
Radiological Sciences Komazawa University, Japan





SHOW MORE!







FEATURES

- Compact yet practical education tool on usage of x-ray equipment and the interpretation of diagnostic images
- Provides a large range of practice by stacking and repositioning different blocks with varied radiodensities
- Includes black and clear container boxes for practice and visual explanation

APPLICATIONS

- Plain X-ray
- Interpretation

How it works ?

Active learning through FAN (fun) of competition and game

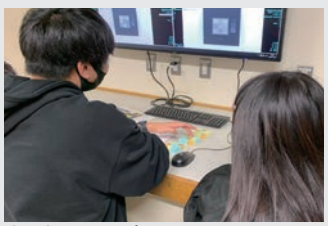


Photo by courtesy of Komozawa University, Japan

1. Arrange the cubes

Arrange cubes in the black case and hand it to the challengers.

2. Select parameters and acquire images

The challengers radiograph the black case.

3. Analyze the images

The challengers reason and infer to find out the three dimensional arrangement of cubes in the black case.

Three kinds of cubes with different HU

	HU	Density	Material
Orange	0	1.06	Polyurethane
Blue	500	1.4	Epoxy
Yellow	1000	1.21	Epoxy

DESCRIPTIONS

SET INCLUDES

30mm cube set

1	XCUBEFAN case (clear)
1	XCUBEFAN case(black)
5	orange cube (30mm)
5	blue cube (30mm)
5	yellow cube (30mm)
	instruction manual

20mm cube set

1	XCUBEFAN case (clear)
1	XCUBEFAN case(black)
10	orange cube (20mm)
10	blue cube (20mm)
10	yellow cube (20mm)
	instruction manual

MATERIALS

Phantom cube: epoxy, polyurethane
Case: acrylic

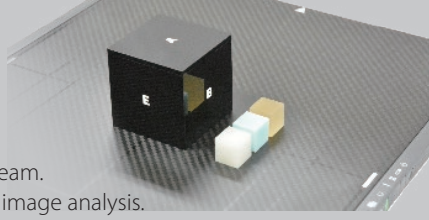
SPECIFICATIONS

Phantom dimensions
30mm cube: 3×3×3 cm each
1.18×1.18×1.18 in each
20mm cube: 2×2×2 cm each
0.78×0.78×0.78 in each

Packing size:
W36×D25×H19 cm
W14.2×D 9.8×H 7.5 in

PUBLICATION REFERENCES

Keisuke Kondo, Kazuo Shimura, Black Box competition: Radiological technology education using Black Box phantom, The World Radiography Day Conference (rsu.ac.th)



Black Box Contest

Colorful cubes are placed in the black case and exchanged with the competitor team.
The teams compete against each other by predicting the placement of the cubes based on image analysis.

Orientation

15 minutes

- Sharing goals and schedules
- Explanation of XCUBEFAN
- Teaming up with about 3 trainees per group

Necessary items

- ☐ XCUBEFAN
- ☐ X-ray machine
- ☐ Positioning Cushion
- ☐ Light Table
- ☐ Densitometer

Let's learn by Team Competition !

Preparation

Discussing the Placement

45 minutes



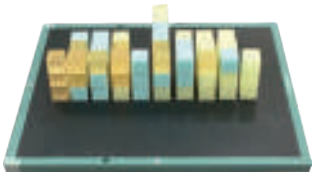
- Arrange the cube in the box
- Record the arrangement

POINT

Devise challenging arrangement for analysis

Below is the scene of the placement experiment. In the left image, the cubes appear to be the same, but the photo on the right shows that the cubes with various X-ray absorption rates are actually arranged.



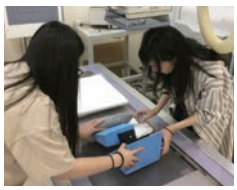


Exchange boxes with the competitor team.

Discussing the Scanning Conditions

Scanning

60 minutes



- Discussing the scanning parameters (e.g. FCR)
  - Basic parameters:SID100cm/100KV/100mA/0.02s
  - Image processing parameters:A gradation (linear gradation)/ S value 100/ L value 2.0
  - Number of scans: 9 or less



- Positioning
- Scanning

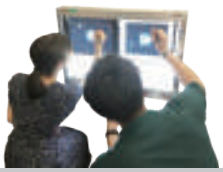
POINT

Set the limit on possible number of scans.

Recommended maximum scans: 9
In clinical practice, it is required to have skills to efficiently examine the patients with minimal exposure and pressure. Depending on the level of training, establish a limit on the number of imaging sessions.

Image Analysis

60 minutes



- Image analysis using light table and densitometers
- Making solutions



Scoring & Discussion

60 minutes

- Scoring and awarding high-scoring teams
- Group Discussion

In radiology education, XCUBEFAN was finally completed with the aim of creating educational content that fosters creativity, thoughtfulness, and teamwork skills using specialized knowledge, similar to a "Robot Contest". Students seriously look at the images, think about them, and discuss them within the team, which is active learning itself.
XCUBEFAN is an educational material that can be applied to other educational activities besides the "Black Box Contest. We encourage you to use it in your educational field.



The "Robot Contest" in the World of Radiologic Technologist

Keisuke Kondo, associate professor, Komazawa Univserity

PH-75B | 41941-100 (TR-I) PH-75A | 41941-000 (TR-J)

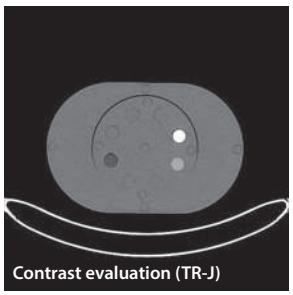
Multi Energy CT Quality Assurance Phantom

MECT CT

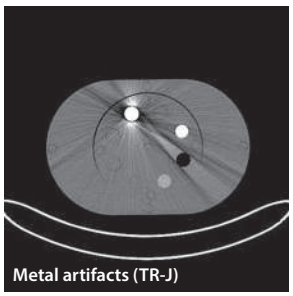
Water Equivalent Material "Aqua Slab", various inserts and empty bottles enable to verify the appropriate Multi-Energy CT settings

Co-developed with:
ICHIKAWA Katsuhiro, Ph.D., Professor,
Faculty of Health Sciences,
Institute of Medical, Pharmaceutical and Health Sciences,
Kanazawa University, Japan





SHOW MORE!





FEATURES

- Phantom made of innovative water equivalent material "Aqua Slab"
- Empty bottles allow for the insertion of various research samples and observation under Multi-Energy CT
- Help to save time and costs of preparing custom-made phantoms
- Two different sizes of truck (body) phantom. (TR-I, TR-J)

APPLICATIONS

Study for
- ME-CT image analysis protocol
- Metal artifact reduction
- Reduction of contrast media

Inserts

Color	Name	Size	Qty
Silver	Water Equivalent Material Inserts	dia.20mm	8
Red	Titanium Insert	dia.12mm	1
Blue	Soft tissue (equivalent to liver)	dia.20mm	1
Blue	Iodine concentration 4mgI/mL	dia.20mm	1
Blue	Iodine concentration 8mgI/mL	dia.20mm	1
Transparent	Iodine concentration 12mgI/mL	dia.20mm	1
	Water container	dia.20mm	1
	Empty bottle with spacer *for experiment		20

EVALUATION PARAMETERS

- Uniformity
- Signal-to-noise ratio (SNR)
- Image contrast
- CT dose index (CTDI)

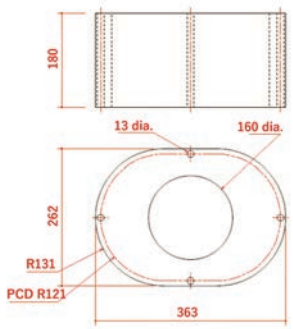
DESCRIPTIONS

SET INCLUDES

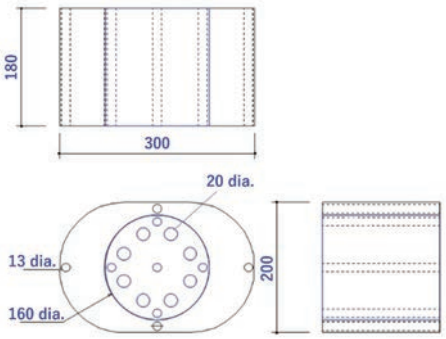
1	truck phantom	1	soft tissue insert
1	internal cylindrical phantom	1	water container inserts
9	filling inserts for dosimeter holes	20	empty bottles
8	"Aqua Slab" inserts	8	spacers for empty bottles
3	Iodine inserts (4, 8, 12mgI/mL)		manual
1	titanium insert		

SPECIFICATIONS

Phantom size (TR-I):



Phantom size (TR-J):



PH-75C | TR-A

Multi Energy CT Quality Assurance Phantom-TR-A type

MECT CT

"Aqua Slab" CTQA phantom with equidistance placement of inserts, meeting international recommendation



SHOW MORE!

FEATURES

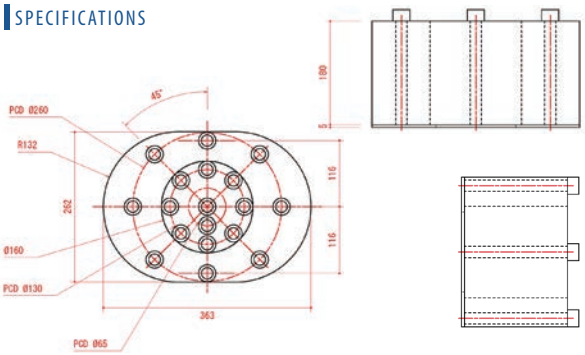
- The sectional areas of the assembled phantom with the truck phantom and the independently used inner phantoms are equal to those of the CTDI body and the head phantom respectively
- The holes to accommodate sample inserts and dosimeters for evaluation are placed concentrically at equidistance from the isocenter, along with the one placed off the center, meeting international recommendation for CTQA

APPLICATIONS

- Study for ME-CT image analysis, artifact reduction, contrast media

DESCRIPTIONS

SPECIFICATIONS



41941-

Optional Rods (Inserts) for PH-75A/B/C

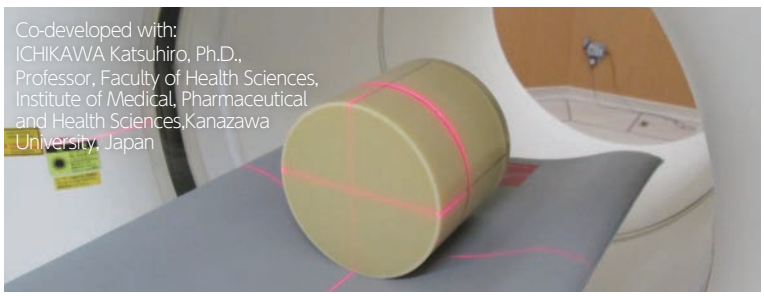
MECT CT

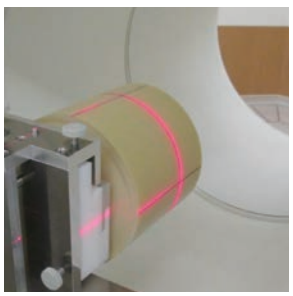
PH-80 | 41948-000 / 41948-100

Daily QA Phantom WEM "Aqua Slab"

MECT CT

Water Equivalent Material "Aqua Slab" updates tasks of daily QA





SHOW MORE!

FEATURES

- Phantom made of water equivalent material "Aqua Slab"
- Help to save time and costs of preparing water phantoms for researchers

APPLICATIONS

- Daily QA of CT

DESCRIPTIONS

SET INCLUDES

1	aqua slab phantom

MATERIALS

Polyurethane

SPECIFICATIONS

Dimensions : [41948-000] W20×D20×H20 cm
[41948-100] W20×D20×H21.5 cm
Weight : 41948-000 / 6.4Kg
41948-100 / 6.5Kg

Kyoto Kagaku Innovation
"Aqua Slab" Multi-Energy CT Compatible Material

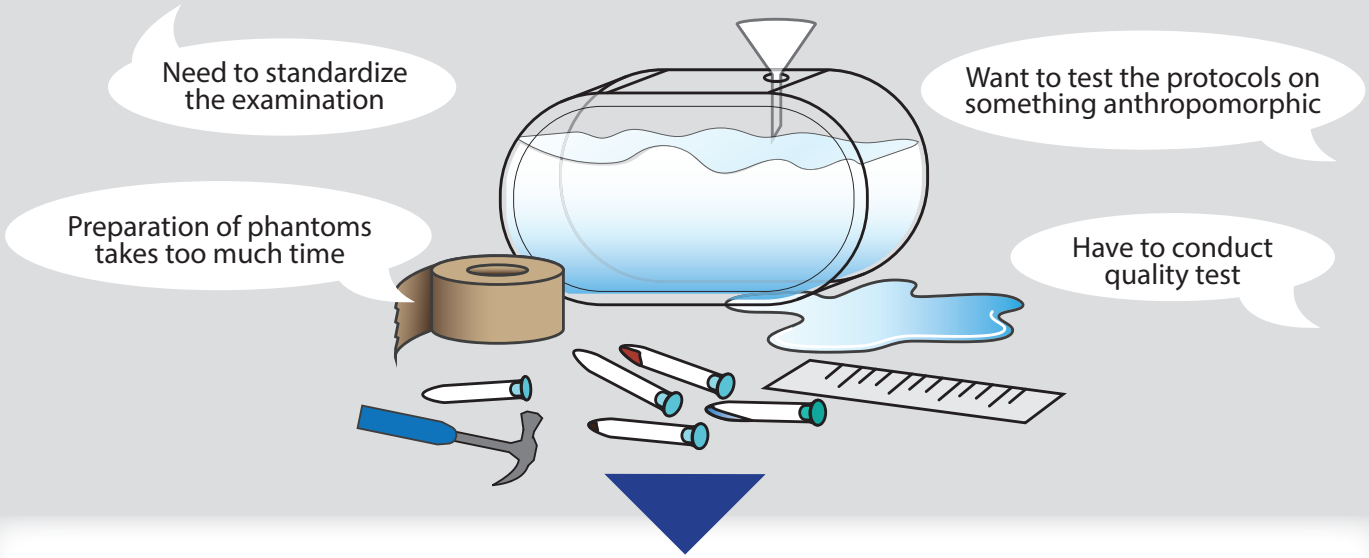
For Quality Assurance and Research

OVERVIEW

Multi-Energy CT (MECT) or Dual Energy CT (DECT) represents a new frontier in rapidly advancing medical imaging and is now being integrated into clinical practices in hospitals.
This technology enables material differentiation, elemental decomposition, and material quantification.
Such capabilities are expected to enhance diagnosis, improve image quality, reduce radiation exposure, minimize contrast agent volume, and pave the way for functional imaging. Nevertheless, further studies are needed across various fields, including CT equipment quality management, protocol verification, and expansion of clinical applications, to fully realize the benefits of this technology.
Kyoto Kagaku supports researchers and clinicians with state-of-the-art innovative phantoms.

BACKGROUND

In numerous MECT/DECT studies, water phantoms have been utilized. However, employing real water can entail significant effort in preparation and handling. Meanwhile, the use of acrylic containers restricts the design of phantoms.



Kyoto Kagaku Multi-Energy CT phantom series assists you promptly, saving your time and energy

PRODUCT LINEUP

Phantoms can be made in complex and detailed shapes including anatomical structures

Iodine concentrations can be custom-ordered Contact us!



Angiographic CT Head Phantom ACS
Head with MECT compatible arteries
P.34

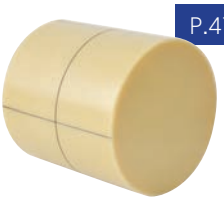
CT Abdomen Phantom
Abdomen with MECT compatible vessels and liver
P.37



Reference product
Gout Foot Phantom



Daily QA Phantom WEM "Aqua Slab"
P.47



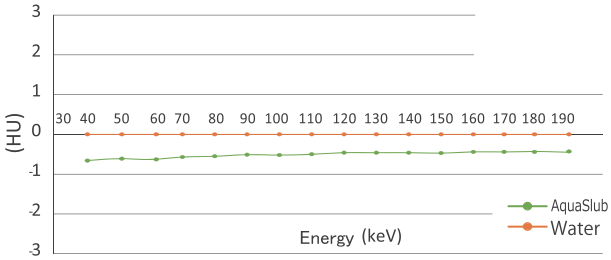
Multi Energy CT Quality Assurance Phantom
P.46
Phantom for quality assurance.
A variety of research samples can be inserted.

Significant Features of "Aqua Slab"

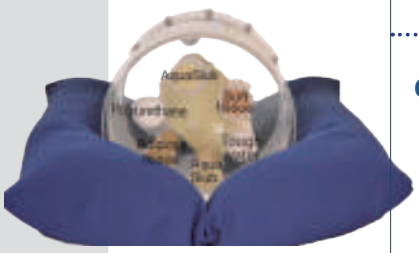
About "Aqua Slab" Water Equivalent Material

Aqua Slab has high equivalency to water in diagnostic energy ranges(40-190KeV)

Co-developed with; ICHIKAWA Katsuhiro, Ph.D., Professor, Faculty of Health Sciences, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Japan







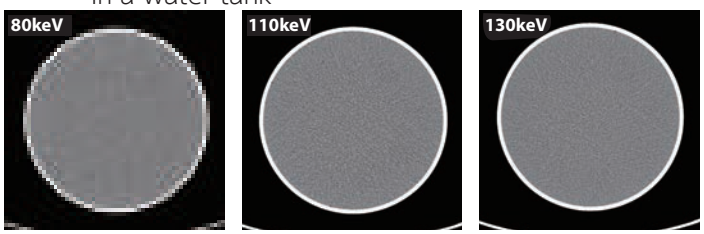
Experiment

Scan different material inserts (rods) in a water tank

Rods are not shown in the CT images!!

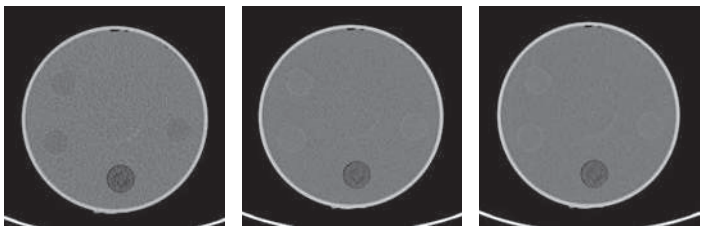
Aqua Slab

Nine rods of AquaSlab are "invisible" under CT



conventional materials

Two rods of Aqua Slab and four rods of conventional materials

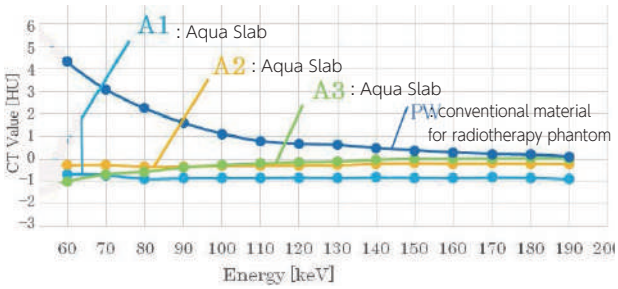


Supports iodine quantification and material-decomposition

Unlike conventional 'water substitute' materials, the Aqua Slab maintains water equivalency under low energy ranges. This feature supports studies that involve iodine quantification.

Saves time and effort for research and explore new possibilities.

Helps to save time, costs, and effort instead of designing and producing custom-made acrylic water phantoms. Unlike phantoms that use real water, solid material (Aqua Slab) phantoms eliminate the cumbersome process of changing water and internal rods.



Ryota Matsui, Ishikawa Katsuhiro, Hiroki Kawashima, "Development of highly precise Water Equivalent phantom for CT machine" Ichikawa Lab, Kanazawa Univ. http://ichiken.w3.kanazawa-u.ac.jp/img/file2.pdf (cited 2019-05-20)

CONCLUSION

1. Kyoto Kagaku Multi-Energy CT phantoms can save time and costs rather than preparing custom-made phantoms for researchers.
2. The water equivalent material "Aqua Slab" allows for the creation of phantoms with innovative designs while ensuring the credibility of water phantoms.

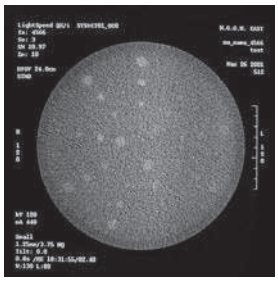
PH-9 | 41334-100

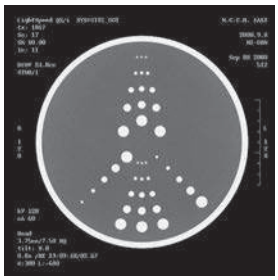
Multi Slice CT Phantom MHT

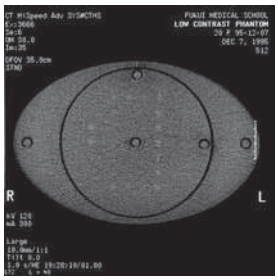
Dosimetry | CT | STORAGE CASE

The phantom can be used to evaluate CT features such as high and low contrast resolutions, slice direction, and CTDI.









SHOW MORE!

FEATURES

- Non-aqueous/Easy Set-up enables liquid-free evaluation session
- The phantom is designed to allow evaluation in volume scanning

APPLICATIONS

- CT

EVALUATION PARAMETERS

- CTDI
- Contrast resolution
- Contrast-to-Noise Ratio (CNR) evaluation
- Evaluation of effective slice thickness
- Sensitivity profile
- SSPz evaluation

DESCRIPTIONS

SET INCLUDES

1	low contrast phantom
1	high contrast phantom
1	elliptical absorber
1	low contrast phantom with CTDI
1	micro disc phantom
1	angle adjustment holder (table top type)
1	storage case
	manual

MATERIALS

Acrylic resin, polyurethane

OPTIONAL PARTS

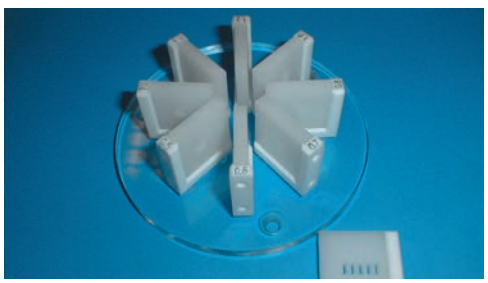
41334-110 sliding phantom holder

PH-9-2 | 41334-130

Ladder Phantom

CT | STORAGE CASE

Designed for measuring spatial resolution in CT, assuming contrast-enhanced blood vessels







SHOW MORE!

DESCRIPTIONS

SET INCLUDES

1	outer phantom
9	ladder phantoms
1	storage case
1	angle adjustment holder (table top type)

MATERIALS

Measurement region: epoxy resin, hydroxyapatite
Base: acrylic resin

SPECIFICATIONS

Vessel width:
0.3, 0.4, 0.6, 0.7, 0.8, 1.0, 1.2, 1.5 mm
0.012, 0.016, 0.024, 0.028, 0.032, 0.039, 0.047, 0.059 in

Vessel length: 5 mm / 0.19 in
(5 mm thick, with 5 lines of vessels each)

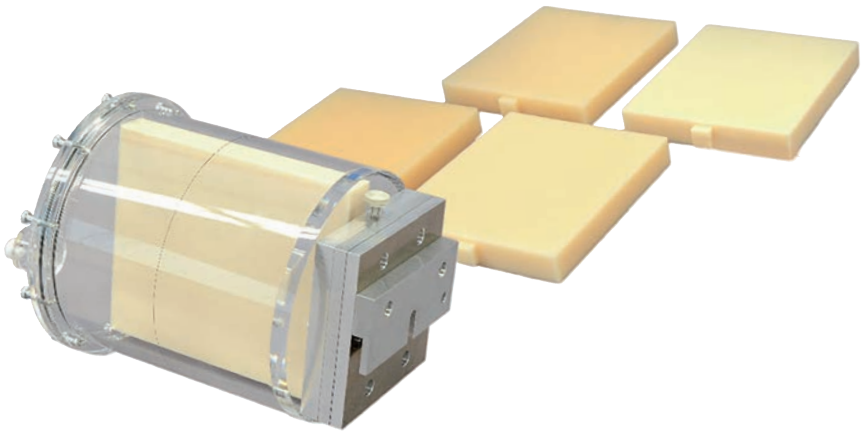
PH-55 | 41920-100

CT ERF Phantom HIT

CT

STORAGE CASE

A phantom designed for physical evaluation of iteratively reconstructed images under low CNR



SHOW MORE!



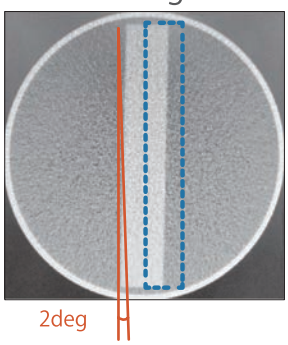
FEATURES

- This phantom designed to physically evaluate the performance of successive approximation reconstruction images under low CNR conditions when MTF evaluation by PSF is not very appropriate without deviating from clinical practice.
- This phantom is used to evaluate MTF from low-CNR images using the ESF method, which measures the blurring of block edges, so that performance characteristics in reconstructed images applying successive approximation under low-CNR conditions can be determined.

APPLICATIONS

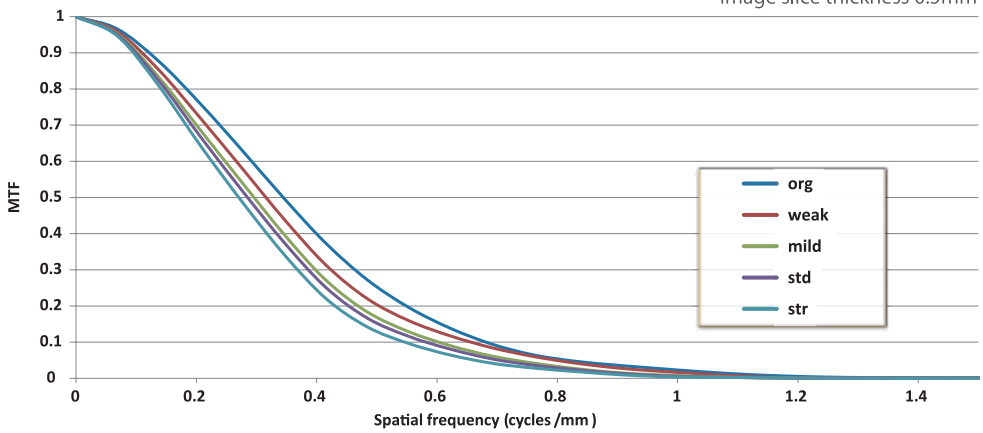
- CT

▼Image



▼Modulation Transfar Funcion

image slice thickness 0.5mm



DESCRIPTIONS

SET INCLUDES

1	cylindrical container (200 mm dia.)	1	fixture for the cylindrical container
5	measurement plates	1	philips screw driver
1	rotation holder		extra screws
1	petroleum jelly	1	storage case
1	angle adjustment holder		manual

SPECIFICATIONS

Phantom size:
20 dia.×25 cm
7.8 dia.×9.8 in

Phantom weight:
4.5 kg / 10 lb

MATERIALS

Acrylic resin, polyurethane



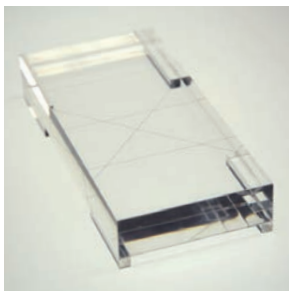
41919-010
Angle adjustment holder (table-top type)
*included in the set
Compatible with PH-9

PH-56 | 41921-000

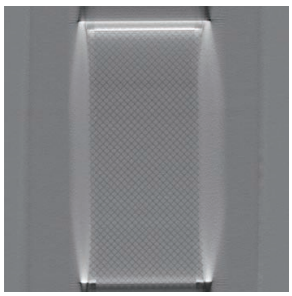
Tomosynthesis Phantom NS

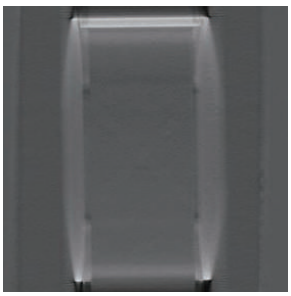
Allowing evaluation of reconstruction slices and uniformity in the measurement of slice thickness through showing the images numerically and graphically





SHOW MORE!





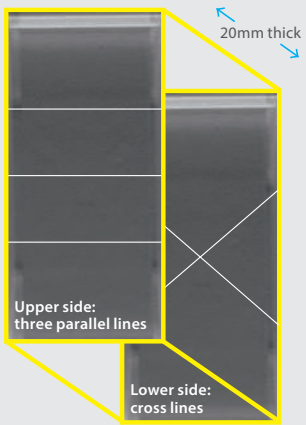
APPLICATIONS

- Tomosynthesis

EVALUATION PARAMETERS

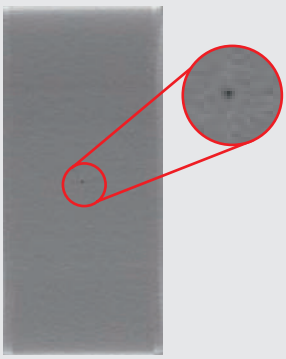
- Verification of reconstruction interval
- Slice thickness
- Uniformity

Reconstruction interval unit



For verification of the spatial interval in reconstruction
Stainless steel line: 0.1 mm/0.004 in dia.

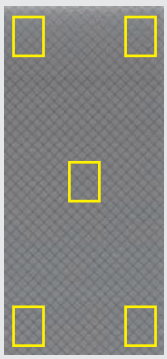
Slice thickness unit



For calculation of slice thickness using FWHM

Hole: 1.0 mm/0.04 in dia.
Aluminum plate: 0.5mm/0.02 in thick
Acrylic plate 5mm/0.2 in thick.
*the aluminum plate is sandwiched between layers of Acrylic
70×150 mm/2.8×5.9 in

Uniformity unit



For evaluation of uniformity and tilting of the examination table
70×150 mm/2.8×5.9 in

Height setting rack



Test units can be set in the aluminum supporting box at 10, 15 or 20 mm (0.4,0.6 or 0.79 in) height

DESCRIPTIONS

SET INCLUDES

1	reconstruction positioning unit		height setting rack
1	slice thickness unit		manual
1	uniformity unit		

SPECIFICATIONS

Phantom size:
W7×D15×H25 cm / W2.7×D6×H9.8 in
Packing size:
W46×D31×H17 cm / W18.1×D12.2×H6.7 in
Packing weight:
2 kg / 4.4 lb

MATERIALS

Acrylic resin, Bakelite, aluminum, copper, stainless

PH-59 | 41924-000

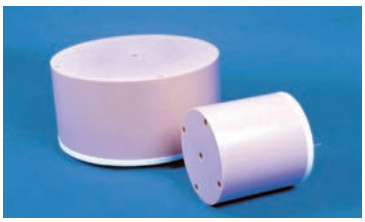
CT-DI Phantom (Head and Body Phantom)

Dosimetry

STORAGE CASE

A set of phantoms for CTDI-100, conforming to requirements described in 21 CFR 1020.33, IEC 61223-3-5: 2004, and IEC 61223-2-6: 2006 as consistency test





A set with different type of tissue substitute can be custom-ordered

SHOW MORE!

FEATURES

- Represent adult head and body as well as pediatric body
- Can be used for initial and follow-up QA tests

EVALUATION PARAMETERS

- Computed Tomography Dose Index (CTDI)
- Dose profile

DESCRIPTIONS

SET INCLUDES

1	head phantom
1	body phantom
10	filling rods
	manual

SPECIFICATIONS

Phantom size:
Body phantom: 32 dia.×15 cm / 12.6 dia.×5.9 in
Head phantom: 16 dia.×15 cm / 6.3 dia.×5.9 in

Phantom weight:
15kg / 33lb, 4kg / 8.8lb

MATERIALS

Acrylic resin

PH-54 | 41919-000

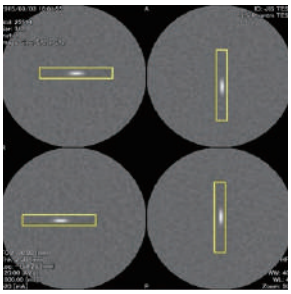
CT QA Phantom JCT II

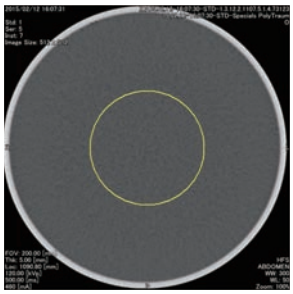
CT

STORAGE CASE

CT QA phantom for acceptance test as well as daily QC



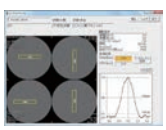


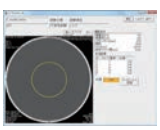


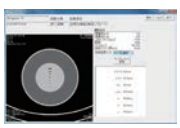
SHOW MORE!

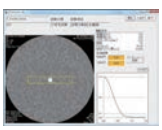
FEATURES

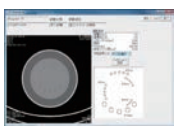
- The phantom can be used for initial and follow-up QA tests listed below, described in JIS Z 4752-3-5: 2008 (IEC 61223-3-5: 2004) and Z 4752-2-6: 2012 (IEC 61223-2-6: 2006)
- Conforming to JIS Z 4923:2015











EVALUATION PARAMETERS

- Axial scan:
  Slice thickness / spatial resolution / low contrast resolution / noise / mean HU number / uniformity
- Helical scan:
  Slice thickness

*System requirements of software (Japanese language) : OS Windows 7 (64 bit), Windows 8.1 Pro (64 bit), memory 4GB, HDD 250 GB

DESCRIPTIONS

SET INCLUDES

1	cylindrical container
1	slice thickness unit (axial)
1	spatial resolution unit
1	repeated pattern unit
1	low contrast resolution unit
2	slice thickness unit (helical)
1	fixture for the slice thickness unit
1	fixture for the cylindrical container
1	Vaseline
1	set of screws (spare)
1	angle adjustment holder(table top type)
	manual

SPECIFICATIONS

Phantom size:
20 dia.×20 cm / 7.9 dia.×7.9 in

Phantom weight:
3 kg / 6.6 lb

MATERIALS

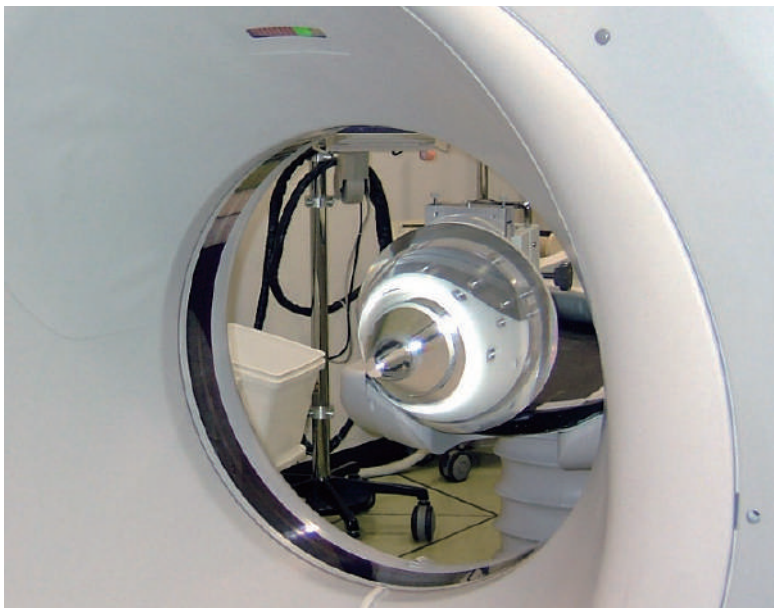
Acrylic resin, polyurethane, stainless

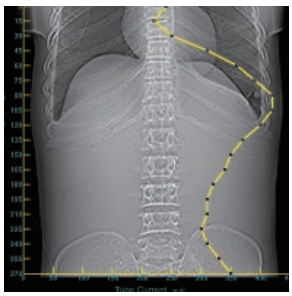
PH-7 | 41339-010-

CT-AEC Phantoms

CT

Four types of phantoms designed to evaluate CT-AEC performance





example of CT-AEC with an anthropomorphic phantom

SHOW MORE!

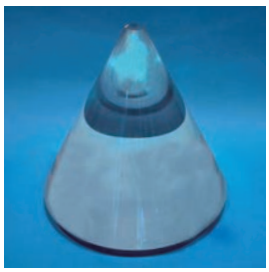
FEATURES

- Image quality can be evaluated by noise and S.D. on the phantom section images

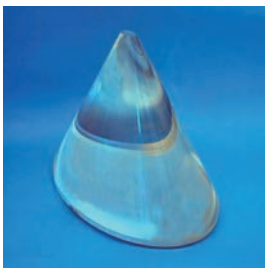
APPLICATIONS

- CT-AEC

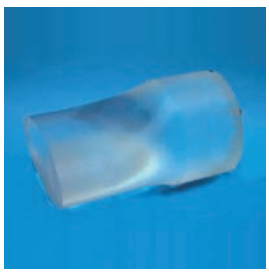
VARIATIONS



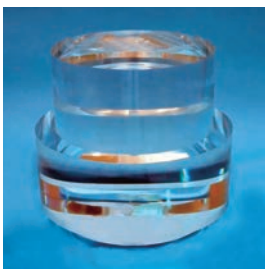
Cone Phantom:
evaluates performance of AEC for different patient sizes and gradual size changes in size along the axis



Elliptical Cone Phantom:
in combination with the Cone phantom facilitates evaluation of XY AEC



Variable-XY Phantom:
evaluates performance of XY AEC as cross section changes from circular to elliptical



Stepped Phantom:
evaluates the performance of the AEC to sudden changes in patient's cross section

DESCRIPTIONS

SET INCLUDES (per each)

1 phantom with an attachment bracket

MATERIALS

Acrylic resin

PRODUCT VARIATIONS

41339-010 Cone (Apollo Phantom)
41339-020 Elliptical Cone Phantom
41339-030 Stepped Cylinder Phantom
41339-040 Variable XY Phantom
*each phantom can be ordered individually

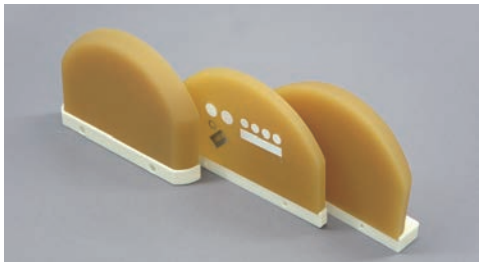
PUBLICATION REFERENCES Muramatsu, Y., Ikeda, S., Osawa, K., Sekine, R., Niwa, N., Terada, M., . . . Miyazaki, S. (2007). Performance evaluation for CT-AEC(CT automatic exposure control)systems. Japanese Journal of Radiological Technology, 63(5), 534-545. doi:https://doi.org/10.6009/jjrt.63.534

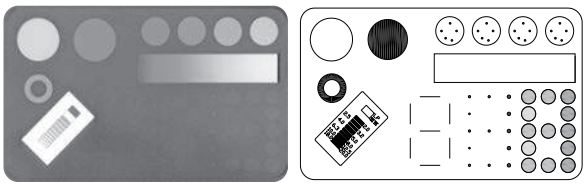
PH-13 | 41329-010

Digital Mammographic Phantom NCCE

STORAGE CASE

An integrated QA phantom for digital mammography systems





SHOW MORE!

FEATURES

- Outer shape of the phantom simulates a compressed breast of D shape
- Targets includes simulated microcalcifications, nylon fibrils, acrylic disks, an aluminum ring, Teflon disks, a Teflon ruler (slope) and a resolution test chart

EVALUATION PARAMETERS

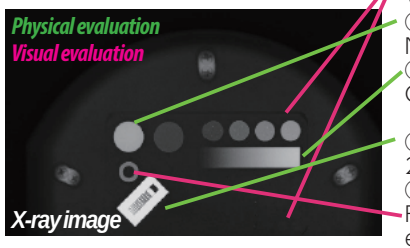
- Contrast resolution
- Frequency enhancement
- Noise and contrast transfer function

DESCRIPTIONS

SET INCLUDES

1	phantom	1	storage case

TARGETS AND EVALUATION



①②③⑧ Visual evaluation
④⑤ Noise check disk
⑥ Contrast evaluation (characteristic curve)
⑦ 20Lp/mm Chart
⑨ Frequency enhancement check

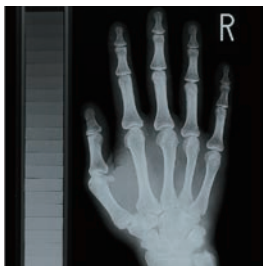
PH-10 | 41322-000

BMD Chart Phantom UHA

X-ray STORAGE CASE

Bone Mineral Density chart for microdensitometry (MD) method





SHOW MORE!

FEATURES

- 21 steps with different hydroxyapatite content
- Steps range from 0 to 400 mg/cm , with 20mg/cm difference each

APPLICATIONS

- microdensitometry

DESCRIPTIONS

SET INCLUDES

1	chart phantom
1	storage case

PUBLICATION REFERENCES

Anderson AE, Peters CL, Tuttle BD, Weiss JA. Subject-specific finite element model of the pelvis: development, validation and sensitivity studies. J Biomech Eng. 2005 Jun;127(3):364-73. doi: 10.1115/1.1894148.

Andrew Edward Anderson, COMPUTATIONAL MODELING OF HIP JOINT MECHANICS, Theses,University of Utah

PH-17 | 41317-000

Water Body Phantom WAC

X-ray STORAGE CASE

Chest and abdomen phantom to help measure surface dose



SHOW MORE!

FEATURES

- Water body phantom represents human chest and abdomen to serve as radiation absorber and scatterer.
- The phantom is a double walled cylindrical container with track shaped cross section.
  For chest, fill water between two walls.
  For abdomen, fill the both spaces.

DESCRIPTIONS

SET INCLUDES

1	body phantom
1	storage case

SPECIFICATIONS

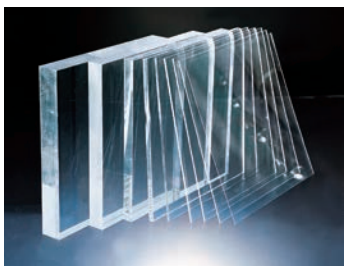
Phantom size:
W30×D20×H45 cm
W11.8×D7.9×H17.7 in

PH-14 | 41430-000-

Acrylic Phantom XAC

X-ray STORAGE CASE

Slab phantoms for radiation absorption and scattering measurement



SHOW MORE!

VARIATIONS

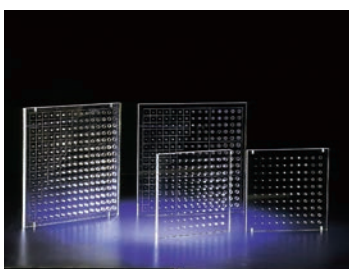
XAC-01	41430-000	30 × 30 × 0.1 cm/11.8 × 11.8 × 0.04 in
XAC-02	41431-000	30 × 30 × 0.2 cm/11.8 × 11.8 × 0.08 in
XAC-03	41432-000	30 × 30 × 0.3 cm/11.8 × 11.8 × 0.12 in
XAC-04	41433-000	30 × 30 × 0.4 cm/11.8 × 11.8 × 0.16 in
XAC-05	41434-000	30 × 30 × 0.5 cm/11.8 × 11.8 × 0.2 in
XAC-08	41435-000	30 × 30 × 0.8 cm/11.8 × 11.8 × 0.3 in
XAC-1	41436-000	30 × 30 × 1 cm/11.8 × 11.8 × 0.4 in
XAC-2	41437-000	30 × 30 × 2 cm/11.8 × 11.8 × 0.8 in
XAC-3	41438-000	30 × 30 × 3 cm/11.8 × 11.8 × 1.2 in
XAC-4	41439-000	30 × 30 × 4 cm/11.8 × 11.8 × 1.6 in
XAC-5	41440-000	30 × 30 × 5 cm/11.8 ×11.8 × 2.0 in
XAC-8	41441-000	30 × 30 × 8 cm/11.8 × 11.8 × 3.1 in
XAC-10	41442-000	30 × 30 × 10 cm/11.8 × 11.8 × 3.9 in

PH-16 | 41318-000,010 / 41319-000,010

Contrast Detail Phantom

X-ray STORAGE CASE

Concentration resolution evaluation from two directions in plain X-ray



SHOW MORE!

FEATURES

- Four types of phantoms with different sizes and target types
  - Hole 15: 41318-000
  - Hole 10: 41318-010
  - Rod 15: 41319-000
  - Rod 10: 41319-010

DESCRIPTIONS

SIZE

- Hole 15: 15 × 15 holes of depth range from 1.0 to 8.0 mm (0.4 to 3.1 in)
- Rod 15: 15 × 15 rods of height range from 1.0 to 8.0 mm (0.4 to 3.1 in)
- Hole 10: 10 × 10 holes of depth range from 1.0 to 5.5 mm (0.4 to 2.2 in)
- Rod 10: 10 × 10 rods of height range from 1.0 to 5.5 mm (0.4 to 2.2 in)

SET INCLUDES

1	chart phantom
	storage case

PH-31/ 41330-000 | PH-32B/ 41330-030

MRI Quality Assurance Phantom MHR / JMR II

MRI

STORAGE CASE

Available to high magnetic fields up to 3T, allows the evaluations of slice thickness, spatial resolution, uniformity, and geometric distortion as well as contrast

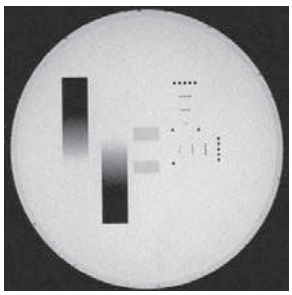
PH-31 MHR: compiled with NEMA standards

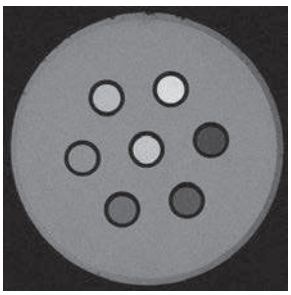


PH-32B JMR 2









FEATURES

- Uniformity is maintained under the high magnetic field of 3.0 Tesla
- Uniformity provides high precision evaluation for other parameters

APPLICATIONS

- MRI

EVALUATION PARAMETERS

PH-31 MHR

- Signal-to-noise ratio (SNR)
- Image uniformity
- RF uniformity
- Spatial resolution
- Spatial linearity (image distortion)
- Slice thickness
- Slice position / separation
- Image contrast
- Image artifact

PH-32B JMR 2

- Signal noise ratio (SNR)
- Image uniformity
- Slice thickness
- Spatial resolution
- Geometric distortion
- Ghost
- Image contrast

DESCRIPTIONS

PH-31 MHR

SET INCLUDES

1	phantom unit A	1	funnel
1	phantom unit B	1	petroleum jelly
1	liquid paraffin	1	screwdriver
1	spout	1	extra screws
5	NiCl 50ml (5, 10, 15, 20, 25 mmol)	1	storage case
7	sample bottle (13.5ml)		manual

MATERIALS

acrylic resin, MRI contrast solution: nickel dichloride (NiCl)

SPECIFICATIONS

Dimensions: 22 dia. × 14(H) cm × 2 types
8.7 dia. × 5.5 in

PH-32B JMR 2

SET INCLUDES

1	phantom unit A	1	funnel
1	phantom unit B	1	petroleum jelly
1	liquid paraffin	1	screwdriver
1	spout	1	extra screws
3	NiCl 50ml (5, 10, 15 mmol)	1	storage case
3	sample bottle (9ml)		manual

MATERIALS

Acrylic resin, MRI solution:

SPECIFICATIONS

Dimensions: 18 dia. × 16(H) cm
7.1dia. × 6.3 in

PH-72 | 41936-000

MRI Breast QA phantom

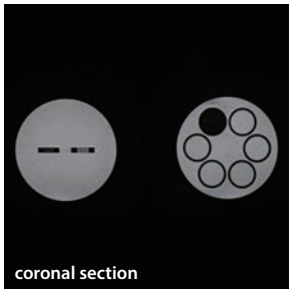
MRI

STORAGE CASE

An innovative phantom in the shape of breasts for detailed QA in Breast MRI







SHOW MORE!

FEATURES

- Quantitative evaluation of Breast MRI with breast coils
- Adjustable height of the phantoms in the range of 10cm to fit the depth of the coils
- Horizontal position of the phantoms can be set arbitrarily on the 30cm length slit

APPLICATIONS

- MRI

TEST SUMMARY

- Spatial resolution
- Quantitative evaluation of ADC on test pieces of tissue substitute

DESCRIPTIONS

SET INCLUDES

2	breast MRI evaluation unit (2 types, 1 each)
1	adjustment bolt
1	supporting plate
1	storage case

MATERIALS

Acrylic resin

SPECIFICATIONS

Phantom dimensions: 30×40×26 cm, 5kg
11.8×15.7×10.2 in, 11 lb

PH-33 | 41330-010

MRI Head Phantom NH

STORAGE CASE

Life-size head phantom to assess uniformity



SHOW MORE!

APPLICATIONS

- MRI
- SPECT / CT
- CT

DESCRIPTIONS

SET INCLUDES

1	head phantom
1	nickel chloride solution
1	spout
1	storage case
	manual

MATERIALS

Acrylic resin

COMPLIES WITH

JIS Z 4924

SPECIFICATIONS

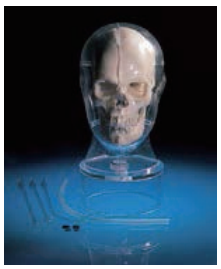
Phantom size:
W17×D22×H30 cm
W6.7×D8.6×H11.8 in

PH-34 | 41501-000

MRI/NM Head Phantom BHC

STORAGE CASE

Simulate life-size head images in MRI and NM



SHOW MORE!

APPLICATIONS

- MRI
- SPECT / CT
- CT

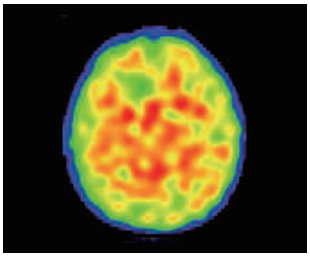
DESCRIPTIONS

SET INCLUDES

1	head phantom
2	simulated tumors
1	nickel chloride solution
1	storage case

SPECIFICATIONS

Phantom height:
33 cm / 12.9 in



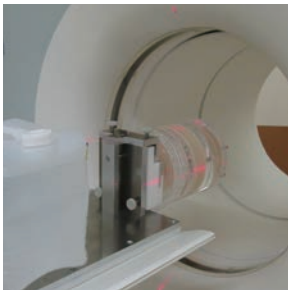
PH-28 | 41535-100

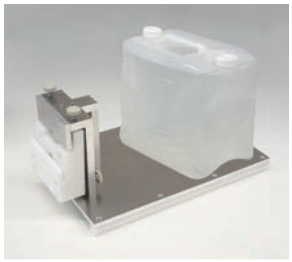
SPECT QA Phantom JSP

STORAGE CASE

For daily quality control in SPECT and PET imaging



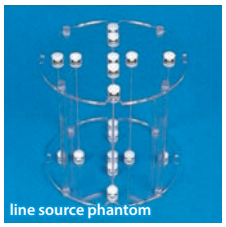




Optional parts: holder

SHOW MORE!


outer phantom


line source phantom


cold spot phantom


hot spot phantom


geometric distortion phantom


dose linearity phantom

FEATURES

A set of test units for daily QA of SPECT/PET

APPLICATIONS

SPECT and PET

EVALUATION PARAMETERS

- Uniformity
- Spatial resolution
- Dose linearity
- Image distortion

DESCRIPTIONS

SET INCLUDES

1	outer phantom	1	petroleum jelly
1	line source phantom	1	screwdriver
1	cold spot phantom	3	kinds of extra screw
1	hot spot phantom	1	Injection needle
1	dose linearity phantom	1	storage case
1	geometric distortion phantom		manual
1	angle adjustment holder (table-top type)		

MATERIALS

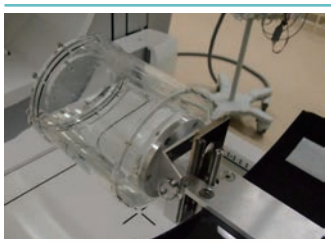
Phantom: methacrylic resin

COMPILES WITH

JIS Z 4922

SPECIFICATIONS

Phantom size:
22dia.×22 cm / 8.7dia.×8.2 in





41535-010

Optional Parts for PH-28 and 30

Holder and accessories

Specify the manufacturer and type of the scanner



PH-53 | 41918-000

Brain Phantom IB-20 advanced

MRI Nuclear Medicine STORAGE CASE

For uptake ratio calibrations and studying the L-123DaTSCAN scatter correction techniques





FEATURES

This brain phantom of the striatal region with replicated skull densities of a male and female is useful for uptake ratio calibrations and studying the I-123 DaTSCAN scatter correction techniques

APPLICATIONS

SPECT, PET

DESCRIPTIONS

SET INCLUDES

2	bone scatterer cases
	adult male: equivalent HU750
	elderly female: equivalent HU530
1	brain striatum phantom
1	screwdriver
1	Velcro tape
1	petroleum jelly
1	storage case
	manual

SPECIFICATIONS

Phantom size:
W21×D15×H8 cm
W8.2×D5.9×H3.1 in

MATERIALS

Brain striatum: epoxy resin
Brain striatum container: urethane resin
Cerebral ventricle: urethane resin
Brain stratum phantom cover: acrylic
Bone scatterer case: epoxy resin

PH-27 | 41530-000

Brain Phantom IB-10

Dual- fluid system to vary the absorption rate, and 5 cm thickness for the vertical setting of the camera



SHOW MORE!

APPLICATIONS

SPECT, PET

EVALUATION PARAMETERS

- Homogeneity evaluation
- Cross calibration
- Gamma ray absorption rate by a skull
- Detectivity of gray matter and white matter
- Spatial resolution of negative images
- Radioactive concentration and linearity of SPECT value

DESCRIPTIONS

SET INCLUDES

1	brain unit
1	skull container unit
1	J-Jack unit
1	sectioned unit

MATERIALS

Acrylic resin/ urethane resin

SPECIFICATIONS

Phantom size:
W21×D15×H8 cm / W8.2×D5.9×H3.1 in

PH-69 | 41930-000

Thyroid Phantom UN

Nuclear Medicine

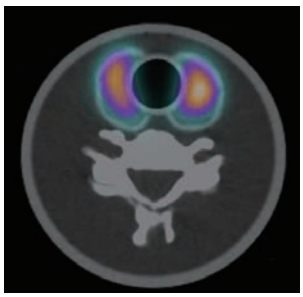
STORAGE CASE

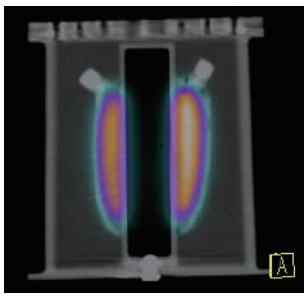
Five varying volumes of precision containers allow for various cases of measurement

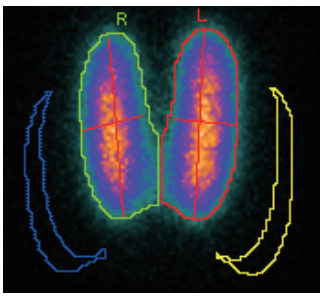


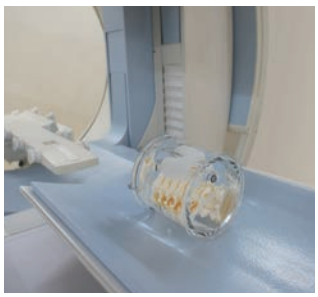
SHOW MORE!











FEATURES

- The set of the phantoms facilitate evaluation of the RI uptake of the thyroid and the assessment of its function.
  The phantom also serves for dosimetry study in internal exposure.

- 5 kinds of thyroid grand (40,30,21,17,15 cc)
- Synthetic cervical vertebrae as a scatteration
- Infusing radiopharmaceuticals

APPLICATIONS

- SPECT, PET

ANATOMY

- Cervical spine C3 to C7

	Volume
Thyroid 1	14.7 ml
Thyroid 2	16.7 ml
Thyroid 3	20.7 ml
Thyroid 4	30.2 ml
Thyroid 5	39.0 ml

DESCRIPTIONS

SET INCLUDES

1	outer phantom
5	thyroid containers
1	thyroid (cold spot)
1	cervical spine
1	trachea tube
1	storage case
1	manual

MATERIALS

Container: acrylic resin
Synthetic bone: epoxy resin
Thyroid: acrylic resin

SPECIFICATIONS

phantom size:
13 dia.×H11.6 cm
5.1 dia.×H4.6 in

phantom weight:
0.85 kg
1.87 lb

PH-26 | 41503-000

ORINS Thyroid Phantom ITS

STORAGE CASE

A phantom by the ORINS standards



SHOW MORE!

FEATURES

- Oak Ridge Institute for Nuclear Studies type phantom for measurement of thyroid radionuclide uptake
- Cavities for iodine-131 are prepared in the neck phantom

APPLICATIONS

- SPECT

DESCRIPTIONS

SET INCLUDES

1	petroleum jelly
1	screwdriver
1	storage case
1	manual

MATERIALS

Acrylic resin

SPECIFICATIONS

Phantom size:
12.5 dia.×12.5 (H) cm / 4.9dia.×4.9(H) in

PH-29 | 41540-030

ECT Hot Cold Phantom SP-6

STORAGE CASE

Experience an innovative phantom with five crafted sphere containers, tailored for optimal dosimetry in PET/SPECT



SHOW MORE!

FEATURES

- Five sphere containers with different sizes can be filled with RI solution
- Volume of sphere phantoms are:
  50 mm/2 in (100%), 80%, 60%, 40% and 20%

APPLICATIONS

- SPECT, PET

DESCRIPTIONS

SET INCLUDES

1	phantom
1	storage case

SPECIFICATIONS

Phantom size:
21 dia.×16 (H) cm / 8.2 dia.×6.2 (H) in

MATERIALS

Acrylic resin

PUBLICATION REFERENCES

Fumiaki Uto, Eiji Shiba, Seiitchi Onoue, Hitoshi Yoshimura, Mami Takada, Yoshihiko Tsuji, Satoshi Fukugami, Isao Asakawa, Tetsuro Tamamoto, Masatoshi Hasegawa, Phantom Study on Radiotherapy Planning Using PET/CT- Delineation of GTV by Evaluating SUV -, Journal of Radiation Research, Volume 51, Issue 2, March 2010, Pages 157–164, https://doi.org/10.1269/jrr.09063

PH-73 | 41937-000

PET Body Phantom (NEMA-IEC)

Nuclear Medicine

Basic phantom for whole body PET image quality and quantification accuracy of source ACTIVITY concentrations and PET/CT registration accuracy





SHOW MORE!

FEATURES

- Complies with IEC 61675-1 and NEMA NU 2-2018
- Six sphere shaped fillable targets
- A column in the center of the phantom to simulated the lung

APPLICATIONS

- Evaluation of PET image
- Evaluation of radioisotope
- Accuracy of specific activity of radioisotopes

DESCRIPTIONS

SET INCLUDES

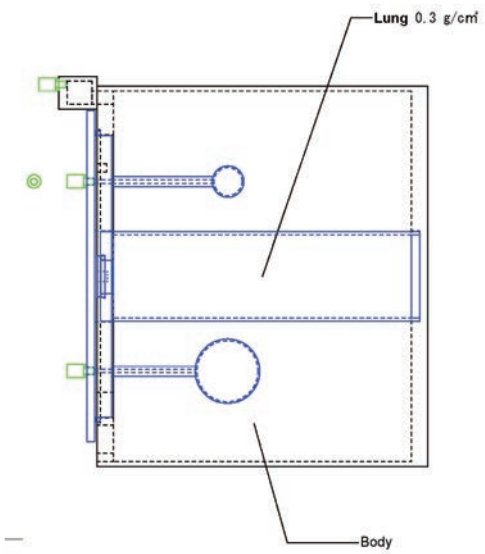
1	body phantom with lung column
1	funnel
1	syringe
1	petroleum jelly
1	set of screws
1	carrying case

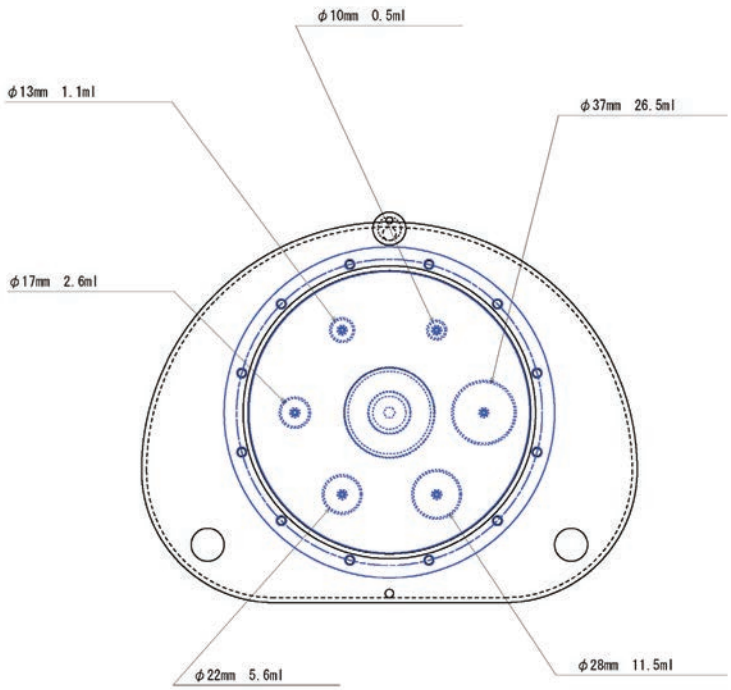
SPECIFICATIONS

Dimensions : W30×D20×H23 cm
W11.8×D7.9×H9.1 cm
Weight : 2.6 Kg
5 lb

MATERIALS

Acrylic resin





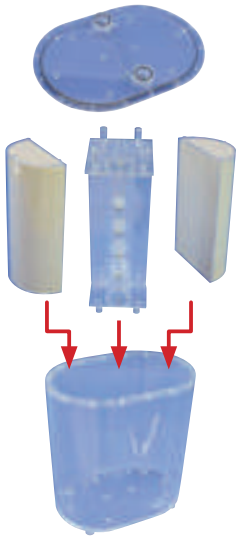
PH-74 | 41938-000

Bone Scintigraphy Quality Assurance Phantom

SPECT/ CT

The world first standard QA phantom for Bone Scintigraphy, Bone SPECT/CT and NaF-PET





SHOW MORE!

FEATURES

- The phantom can represent either thoracic or lumbar region by changing the filling of side cavities

APPLICATIONS

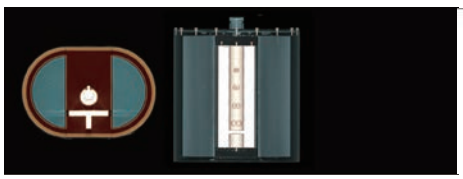
- Bone scintigraphy
- Bone SPECT/CT
- NaF-PET

EVALUATION PARAMETERS

Visual Evaluation
- Tumor detectability
- Image distortion
- Artifact

Quantitative Evaluation
- Contrast and count ratio between vertebral body and tumor
- Concentration linearity and recovery coefficient in the tumor
- Statistical noise
- FWHM at the spinous process (relative index of resolution)

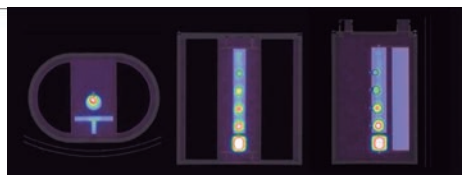
Other
- Verification of scattering correction and attenuation correction



CT



SPECT



SPECT/ CT

DESCRIPTIONS

SET INCLUDES

1	phantom	1	petroleum jelly
1	screwdriver	1	needle
1	funnel		manual

MATERIALS

Acrylic resin
Tough lung (PVA acetal compound)

SPECIFICATIONS

Phantom size:
OD: W310×D210×H355 mm ID: W290×D190×H300mm
W12.2×D8.2×H14 in W11.4×D7.5×H11.8 in

PH-24 | 41333-000

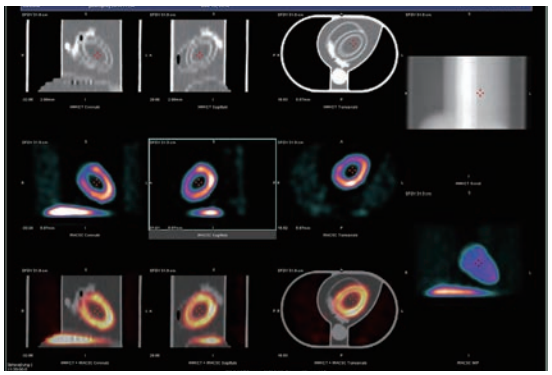
Myocardial Phantom HL

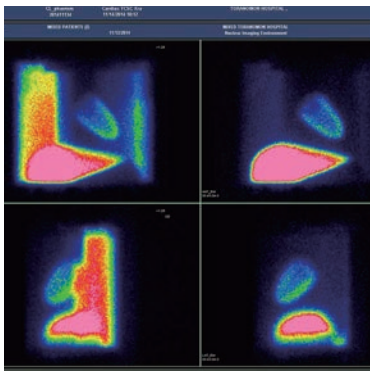
STORAGE CASE

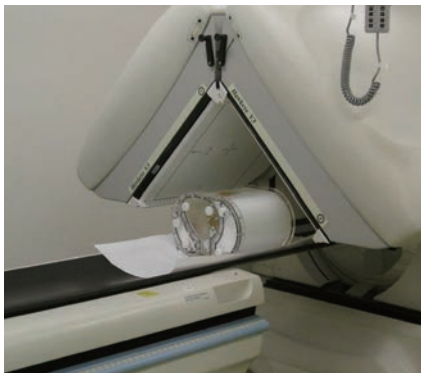
For researches of the impact of elevated radio accumulation in the liver on myocardial SPECT images for in-depth analysis



SHOW MORE!







FEATURES

- Allows the study of RI liver intake and its effect on the myocardial SPECT
- Cold defect can be set in the left cardiac muscle
- Background can be set individually in lung field, mediastinum and right ventricle

APPLICATIONS

- SPECT

DESCRIPTIONS

SET INCLUDES

1	main phantom body	1	stomach
1	right lung	1	heart
1	left lung	1	work base
1	mediastinum	1	screwdriver
1	liver	1	petroleum jelly
		1	storage case

MATERIALS

Main Container: Acrylic Resin
Spine: Epoxy Resin (similar to human in HU)
Heart: Acrylic Resin, Acrylic resin
Lung: Foamed Resin, Water
Screw: Polyacetal Resin

SPECIFICATIONS

Phantom size:
W32×D22×H31 cm / W12.5×D8.6×H12.2 in

Phantom weight:
7.1 kg / 15.6 lb

Packing size:
W44×D39×H42 cm
W17.3×D15.3×H16.5 in

Packing weight:
12.5 kg / 27.5 lb

PH-40/ 41/ 42

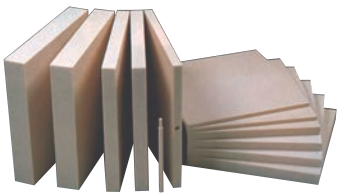
Tough Phantom Series

Dosimetry

An enduring, superior-quality phantom that remains stable and shatter-free, designed to elevate precision in the realm of radiotherapy planning

PH-40
Tough Water Phantom WD

Human tissue substitute phantoms with water equivalent physical properties



SHOW MORE!

VARIATIONS

WD-3002	300×300×2 mm/ 12×12×0.08 in	WD-4003	400×400×3 mm/ 16×16×0.12 in
WD-3003	300×300×3 mm/ 12×12×0.12 in	WD-4005	400×400×5 mm/ 16×16×0.2 in
WD-3005	300×300×5 mm/ 12×12×0.2 in	WD-4010	400×400×10 mm/ 16×16×0.4 in
WD-3010	300×300×10 mm/ 12×12×0.4 in	WD-4015	400×400×15 mm/ 16×16×0.6 in
WD-3015	300×300×15 mm/ 12×12×0.6 in	WD-4020	400×400×20 mm/ 16×16×0.8 in
WD-3020	300×300×20 mm/ 12×12×0.8 in	WD-4025	400×400×25 mm/ 16×16×1.0 in
WD-3025	300×300×25 mm/ 12×12×1.0 in	WD-4030	400×400×30 mm/ 16×16×1.2 in
WD-3030	300×300×30 mm/ 12×12×1.2 in	WD-4040	400×400×40 mm/ 16×16×1.6 in
WD-3040	300×300×40 mm/ 12×12×1.6 in	WD-4050	400×400×50 mm/ 16×16×2.0 in
WD-3050	300×300×50 mm/ 12×12×2.0 in		
WD-4002	400×400×2 mm/ 16×16×0.08 in		

MATERIAL
Epoxy resin

PH-41
Tough Bone Phantom BE-T, BE-H, BE-NWD

Human bone substitute phantoms to simulate body structure in combination with PH-40 and PH-42



SHOW MORE!

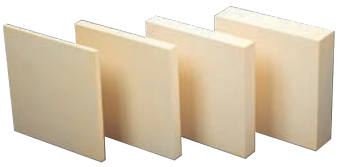
VARIATIONS

BE-T-2005	Compact Bone 200×200×5mm/ 8×8×0.2 in	BE-N-2020	Inner Bone 200×200×20 mm/ 8×8×0.8 in
BE-T-2010	Compact Bone 200×200×10mm/ 8×8×0.4 in	BE-H-3005	Cortical Bone 300×300×5 mm/ 12×12× 0.2 in
BE-T-2020	Compact Bone 200×200×20mm/ 8×8× 0.8 in	BE-H-3010	Cortical Bone 300×300×10mm/12×12×0.4 in
BE-H-2005	Cortical Bone 200×200×5 mm/ 8×8×0.2 in	BE-H-3020	Cortical Bone 300×300×20mm/12×12×0.8 in
BE-H-2010	Cortical Bone 200×200×10mm/ 8×8×0.4 in	BE-N-3005	Inner Bone 300×300×5 mm / 12×12×0.2 in
BE-H-2020	Cortical Bone 200×200×20mm / 8×8×0.8 in	BE-N-3010	Inner Bone 300×300×10 mm / 12×12×0.4 in
BE-N-2005	Inner Bone 200×200×5 mm/ 8×8×0.2 in	BE-N-3020	Inner Bone 300×300×20 mm / 12×12×0.8 in
BE-N-2010	Inner Bone 200×200×10 mm/ 8×8×0.4 in		

MATERIAL
Epoxy resin

PH-42
Tough Lung Phantom LP

Human lung substitute phantoms to simulate body structure in combination with PH-40 and PH-41



SHOW MORE!

VARIATIONS

LP-3010	300×300×10 mm / 12×12×0.4 in
LP-3020	300×300×20 mm / 12×12×0.8 in
LP-3030	300×300×30 mm / 12×12×1.2 in
LP-3050	300×300×50 mm / 12×12×2.0 in

MATERIAL
Phenolic resin

Dosimetry cavities

Tough series phantoms can be ordered with cavities and plugs.
Specify your chamber's manufacturer and model number.
Let us have dimensional drawings of the chambers you are using to estimate cost.



Specify the type of processing
1. Sandwich type (for pencil type)
2. Cylinder hole type (for pencil type)
3. Shallow type (for plain parallel type)

▶ Specify your chamber's manufacturer and model number

Phantoms for therapeutic energy range

Comparison of Physical Properties

ICRU publication 23 (Reference man)

	human soft tissue	muscle	fat	cartilage	lung
electron density (x10^{23}e/g)	3.29	3.31	3.34	3.28	3.31
effective atomic number	7.03	7.45	6.33	7.89	7.49
specific gravity	1.00	1.05	0.95	1.10	0.26

	water	acryl	Tough Water Phantom WD	Tough Bone Phantom BE-T	Tough Bone Phantom BE-H	Tough Bone Phantom BE-N	Tough Lung Phantom LP
electron density (x10^{23}e/g)	3.343	3.248	3.265	3.108	3.154	3.213	3.211
effective atomic number	7.417	6.467	7.328	13.179	11.697	9.141	7.242
specific gravity	1.000	1.180	1.018	1.730	1.500	1.240	0.370

	Tough Water Phantom WD	Tough Bone Phantom BE-T	Tough Bone Phantom BE-H	Tough Bone Phantom BE-N	Tough Lung Phantom LP
H	8.63	3.69	5.11	6.97	7.00
C	68.89	29.22	42.45	60.03	50.20
N	2.18	1.19	1.73	2.45	—
O	17.88	32.66	28.13	21.79	35.10
P	—	10.24	7.00	2.30	0.10
Cl	0.15	0.06	0.09	0.13	1.00
Ca	2.27	22.92	15.49	6.33	—
Al	—	—	—	—	1.50
Si	—	—	—	—	5.00

PH-37 | 41480-000

Therapy Body Phantom THRA-1

Dosimetry

STORAGE CASE

THRA-1 is an anthropomorphic, cross sectional dosimetry phantom for therapeutic energy range



SHOW MORE!

FEATURES

- This phantom is a therapy planning phantom made of Tough Phantom Series human tissue substitutes
- Sizes and spacing of dosimeter cavities and slice thickness may be custom ordered

DESCRIPTIONS

SET INCLUDES

1	phantom
1	supporting frame
	insert rods for dosimeter holes
1	storage case manual

MATERIALS

Body: Tough Water WE-211 (epoxy resin)
Bone: Tough Bone BE-303
Lung: Tough Lung LP-430

SPECIFICATIONS

Phantom height: 80 cm / 31.6 in
Phantom weight: 33 kg / 72.7 lb
Slice thickness: 3 cm / 1.2 in
Dosimeter holes: in lattice-like pattern of 3×3 cm / 1.2×1.2 in

PUBLICATION REFERENCES

Yamauchi-Kawara C, Fujii K, Aoyama T, Yamauchi M, Koyama S. Radiation dose evaluation in multidetector-row CT imaging for acute stroke with an anthropomorphic phantom. Br J Radiol. 2010 Dec;83(996):1029-41. doi: 10.1259/bjr/52267127.

Fujii K, Aoyama T, Yamauchi-Kawaura C, Koyama S, Yamauchi M, Ko S, Akahane K, Nishizawa K. Radiation dose evaluation in 64-slice CT examinations with adult and paediatric anthropomorphic phantoms. Br J Radiol. 2009 Dec;82(984):1010-8. doi: 10.1259/bjr/13320880.

PH-38 | 41480-010

Pediatric Therapy Body Phantom THRA-2

Dosimetry

STORAGE CASE



SHOW MORE!

FEATURES

- Unlike conventional radiotherapy phantoms, synthetic bones with unified size are used so that there are no differences of size by using human bones
- Easy to compare data between facilities
- Tumor targets can be attached as options

DESCRIPTIONS

SET INCLUDES

1	phantom
1	supporting frame
	insert rods for dosimeter holes
1	storage case manual

MATERIALS

Body: Tough Water WE-211 (epoxy resin)
Bone: Tough Bone BE-303
Lung: Tough Lung LP-430

SPECIFICATIONS

Phantom height: 60 cm / 23.6 in

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All are made in Kyoto.

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May 2024 G500



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ANATOMÍA HUMANO

3B SMART ANATOMY

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SOBRE 3B SCIENTIFIC

El Grupo de Empresas 3B Scientific es un líder global en la fabricación y venta de modelos anatómicos, simuladores médicos y soluciones de formación educativa. Con sede en Hamburgo, Alemania, y oficinas en todo el mundo, nos dedicamos a proporcionar herramientas innovadoras que mejoran la educación médica y enriquecen las experiencias de capacitación a nivel global.

Impulsado por la misión de avanzar en la educación médica y sanitaria, 3B Scientific sigue ampliando los límites de la simulación médica y la excelencia educativa. Como afirma Todd A. Murray, CEO de 3B Scientific: "La innovación está en el corazón de nuestras acciones, lo que nos permite ampliar las posibilidades de la simulación médica, enriquecer las experiencias educativas y apoyar a los educadores de todo el mundo. Estamos comprometidos a ofrecer un servicio al cliente excepcional y productos de alta calidad a precios accesibles."

3B Scientific está en un continuo proceso de crecimiento, centrado en la simulación médica y la educación en anatomía. Introducimos constantemente productos innovadores y damos la bienvenida a nuevas marcas en nuestra familia. Para obtener más información sobre nuestro grupo, visite nuestro sitio web en 3bscientific.com.

En las siguientes páginas encontrará una visión general seleccionada de nuestros modelos anatómicos y la innovadora aplicación 3B SMART ANATOMY.

Estamos aquí para apoyarlo. ¡No dude en contactarnos con sus preguntas o consultas!

Su equipo de 3B Scientific



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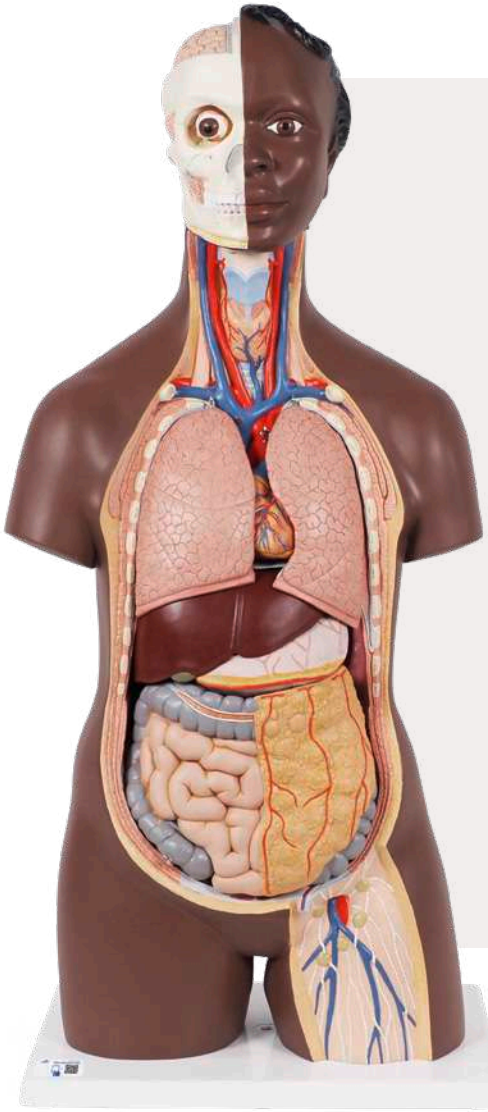
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3B SMART ANATOMY

TORSO CLÁSICO ASEXUADO, 12 PARTES, PIEL OSCURA

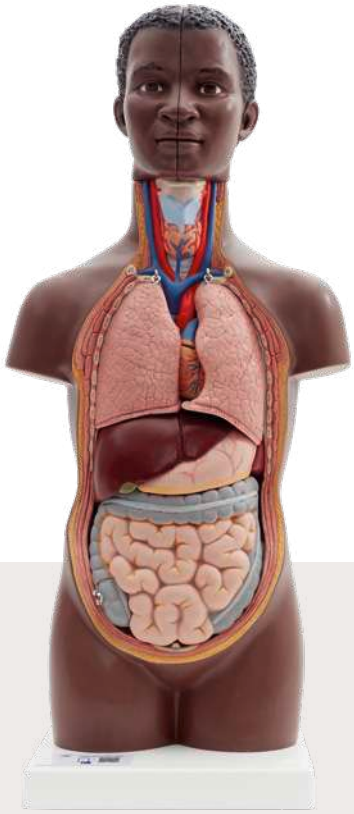
Este torso, de tamaño real y sin distinción de género, ha sido pintado a mano, con una fidelidad excepcional a los detalles y fabricado en plástico de alta calidad.

Los siguientes componentes son removibles y permiten visualizar la anatomía interna:

- Cabeza de 2 partes
- Corazón removible de 2 partes
- 2 lóbulos pulmonares
- Estómago
- Hígado con vesícula biliar
- Tracto intestinal de 2 partes
- Mitad frontal del riñón

87 x 38 x 25 cm; 8,64 kg 1024375

› ESCANEA EL SIGUIENTE CÓDIGO QR EN LA PÁGINA 4 PARA OBTENER MÁS INFORMACIÓN SOBRE 3B SMART ANATOMY



3B SMART ANATOMY

MINI-TORSO, 12 PARTES, PIEL OSCURA

Aproximadamente a la mitad del tamaño real, este modelo anatómico de torso humano conserva un gran nivel de detalle!

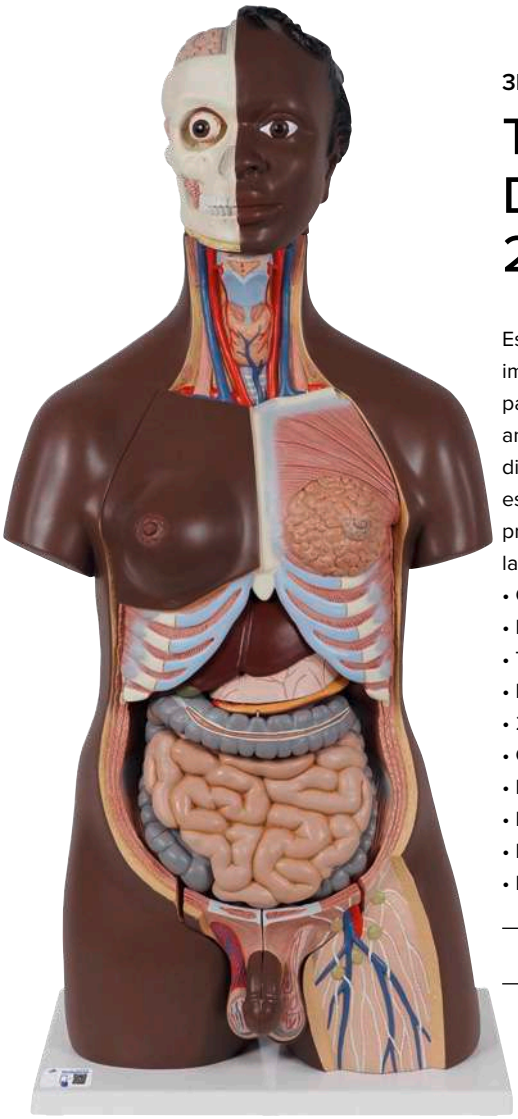
Las siguientes partes se pueden retirar:

- 2 mitades de cabeza
- Mitad de cerebro
- 2 pulmones
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Tracto intestinal en 2 partes

¡Si buscas calidad a un precio accesible, este modelo anatómico de torso es para ti!



54 x 24 x 18 cm; 2,01 kg 1024376



3B SMART ANATOMY

TORSO DE LUJO DE DOBLE SEXO, 24 PARTES, PIEL OSCURA

Este modelo de torso humano a tamaño real ofrece detalles impresionantes gracias a sus 24 piezas removibles. Utilícelo para resolver todas las interrogantes relacionadas con la anatomía interna del ser humano. Fabricado para el uso cotidiano y elaborado con materiales de máxima durabilidad, este modelo de demostración está diseñado para un uso prolongado. Para un estudio detallado, se pueden extraer las siguientes partes y órganos:

- Cabeza de 2 partes
- Estómago de 2 partes
- Tracto intestinal de 4 partes
- Pared torácica femenina
- 2 pulmones
- Corazón de 2 partes
- Hígado con vesícula biliar
- Mitad frontal del riñón
- Inserto genital masculino de 4 partes
- Inserto genital femenino de 3 partes con feto



87 x 38 x 25 cm; 7,69 kg **1000202**

› MÁS INFORMACIÓN SOBRE 3B SMART ANATOMY EN LA PÁGINA 4

3B SMART ANATOMY

MODELO DE CABEZA, 2 PARTES, PIEL OSCURA



19 x 23 x 22 cm; 1,33 kg **1024378**



3B SMART ANATOMY

MODELO DE OÍDO, 3 VECES A TAMAÑO REAL, 4 PARTES, PIEL OSCURA

Aproximadamente 3 veces el tamaño real, el modelo representa el oído externo, medio e interno. Tímpano desmontable con martillo, yunque y estribo, y un laberinto en 2 partes que incluye cóclea y nervio auditivo/vestibular. Sobre base.

34 x 16 x 19 cm; 1,25 kg **1024379**

MODELOS DE PIE, PIEL OSCURA

En estos modelos de alta calidad se representan las estructuras superficiales, así como los huesos internos, músculos, ligamentos y nervios del pie humano.

3B SMART ANATOMY

PIE NORMAL (PES NORMAL)

13 x 24 x 9 cm; 0,44 kg 1024387

3B SMART ANATOMY

PIE PLANO (PES PLANUS)

12 x 24 x 10 cm; 0,48 kg 1024388

3B SMART ANATOMY

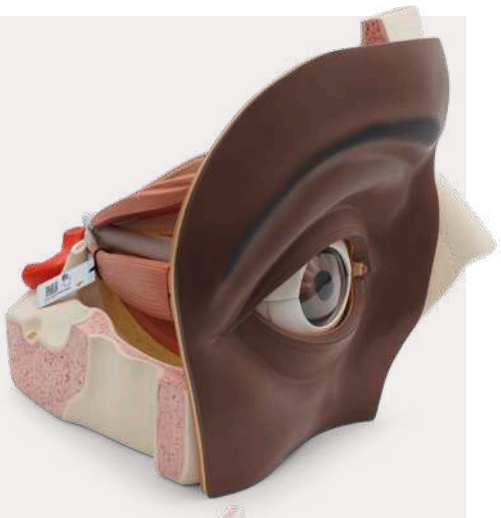
PIE ARQUEADO (PES CAVUS)

13 x 23 x 10 cm; 0,46 kg 1024389



3B SMART ANATOMY

MODELO DE OJO, 5 VECES SU TAMAÑO NATURAL, 12 PARTES, PIEL OSCURA



Este modelo ocular de 3B Scientific® exhibe el globo ocular con el nervio óptico en su posición natural dentro de la órbita ósea (suelo y pared medial). Además, este modelo ilustra la relación entre el ojo, los huesos, los músculos y las estructuras externas del mismo.

Se desglosa en:

- Dos mitades de la esclerótica
- Nervio óptico
- M. rectus superior
- M. rectus lateralis
- Mitad de la córnea
- Lente ocular
- Sistema lagrimal
- Humor vítreo
- Glándula lagrimal
- Estructuras asociadas
- Orbita ósea

33 x 30 x 38 cm; 4,38 kg 1024391





3B ACUPUNTURA OREJA, IZQUIERDA, PIEL OSCURA

1024390

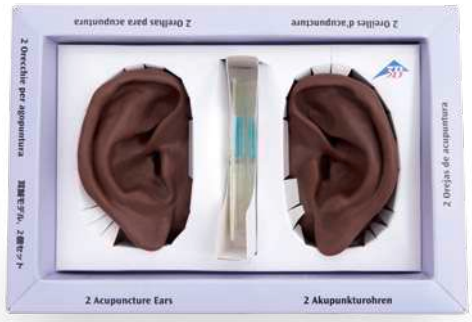
3B ACUPUNCTURE OÍDO DERECHO, PIEL OSCURA

1024484



3B ACUPUNTURA EN OREJAS, CONJUNTO PARA 10 ESTUDIANTES, PIEL OSCURA

1024486



CONJUNTO DE OREJAS 3B, UNA PARA LA OREJA IZQUIERDA Y OTRA PARA LA DERECHA, DE PIEL OSCURA

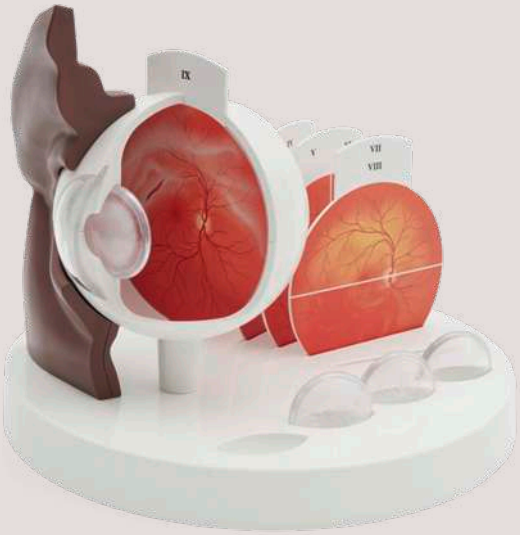
1024485

3B SMART ANATOMY

MODELO DE OJO PATOLÓGICO, PIEL OSCURA

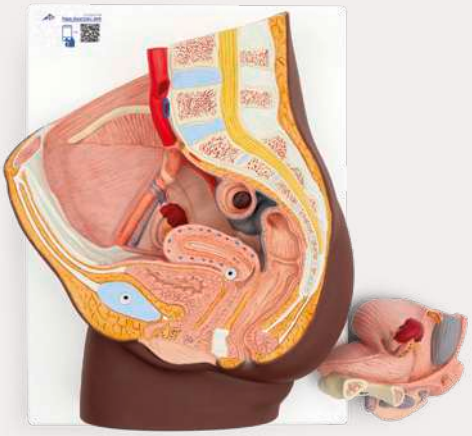
Las representaciones intercambiables, de fácil uso y didácticamente simplificadas, de la retina y del cristalino permiten explicar de forma clara los cambios típicos que se producen en un ojo sano a causa de las siguientes enfermedades:

- Catarata subcapsular
- Catarata cortical
- Catarata nuclear
- Retinopatía diabética
- Retinopatía hipertensiva
- Cambios papilares del glaucoma
- Degeneración macular asociada a la edad
- Papiledema
- Oclusión arterial retiniana central
- Oclusión venosa retiniana central
- Desprendimiento retinal regmatógeno



26 x 26 x 21 cm; 0,99 kg 1024392

EXPLORANDO LA ANATOMÍA HUMANA EN SU PLENA DIVERSIDAD
3B Scientific



3B SMART ANATOMY

MODELO DE PELVIS FEMENINA 2 PARTES, PIEL OSCURA

Esta pelvis femenina se presenta en sección media. Se visualiza la mitad de los órganos genitales femeninos, junto con la vejiga y un recto extraíble. La pelvis se suministra sobre una base que permite su montaje en la pared para facilitar su exhibición.

41 x 31 x 20 cm; 1,93 kg 1024380

3B SMART ANATOMY

MODELO DE PELVIS MASCULINA, 2 PARTES, PIEL OSCURA

El modelo de anatomía de la pelvis masculina se presenta en corte medio. Una mitad de los órganos genitales masculinos, junto con la vejiga, se muestra en la posición anatómica normal en la pelvis masculina. El recto es removible para facilitar un estudio más detallado de la anatomía pélvica masculina. Se entrega sobre una base que permite su montaje en la pared.

41 x 31 x 17 cm; 2,30 kg 1024381





3B SMART ANATOMY

MODELO DE PELVIS MASCULINA, 1/2 DE SU TAMAÑO NATURAL, PIEL OSCURA

Esta sección transversal de los órganos genitales masculinos presenta todas las estructuras en detalle. Representa una reproducción precisa de la anatomía de la pelvis masculina.

13.5 x 10 x 14 cm; 0,41 kg 1024382

3B SMART ANATOMY

MODELO DE PRÓSTATA, 1/2 DE SU TAMAÑO NATURAL, PIEL OSCURA

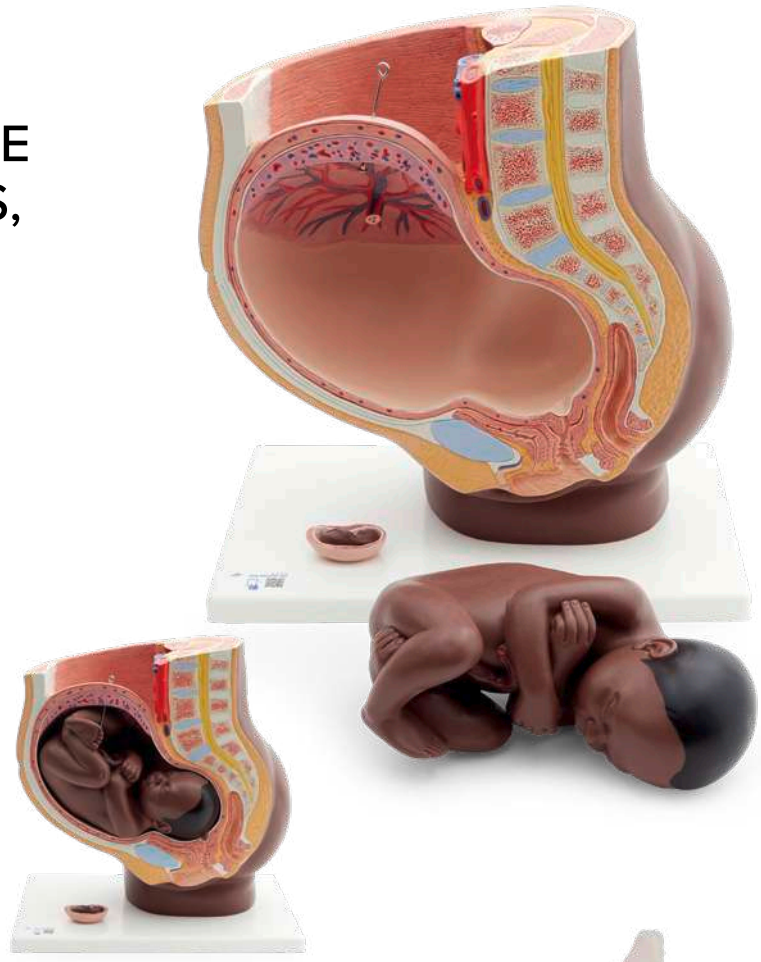
Este modelo de próstata ofrece una sección transversal de los órganos genitales masculinos, presentando una próstata sana junto con vejiga, uretra, testículo, sínfisis y recto. El estrechamiento de la uretra, ocasionado por la alteración en la próstata, se evidencia claramente mediante las 4 vistas seccionales en la base del modelo de próstata. Montado en la base.

13.5 x 10 x 14 cm; 0,40 kg 1024384



3B SMART ANATOMY

MODELO DE PELVIS DE EMBARAZO, 3 PARTES, PIEL OSCURA



Este modelo anatómico representa una sección media a través de la pelvis femenina de una mujer embarazada de 40 semanas, con un feto removible. Estudie o demuestre la posición normal del bebé antes del nacimiento utilizando este modelo, además de los sistemas reproductor y urinario sistemas. Un útero con un embrión en el tercer mes de gestación está montado sobre una base para mayor detalle y comparación. La pelvis femenina, realista y de alta calidad, incluye los órganos genitales femeninos y otros detalles anatómicos importantes.

38 x 25 x 40 cm; 2,50 kg **1024385**

3B SMART ANATOMY

ESQUELETO DE PELVIS FEMENINA CON ÓRGANOS GENITALES, PIEL OSCURA, 3 PARTES



Este modelo es especialmente adecuado para el estudio de la posición de los órganos genitales femeninos en la pelvis. Consiste en una pelvis femenina de molde natural con sínfisis móvil, hueso de la cadera, sacro, coxis, 4ª y 5ª vértebras lumbares, así como en un inserto genital femenino con recto. Se puede retirar la vejiga y una porción del útero con una trompa de Falopio y un ovario. Los tejidos blandos están moldeados con vinilo blando y duradero. Se entrega con base.

33 x 26 x 18 cm; 1,938 kg **1024386**



3B SMART ANATOMY

MODELO PARA PRACTICAR EL USO DE CONDONES, PIEL OSCURA

Utilice este modelo para enseñar de forma rápida el uso seguro del condón. Presenta estructuras anatómicas realistas y una firmeza adecuada. Incluye 12 condones de entrenamiento secos y una bolsa de transporte.

7.5 x 7.5 x 19.5 cm; 0,68 kg **1000341**



› 3B SMART ANATOMY CIERRA LA BRECHA ENTRE LA EDUCACIÓN ANATÓMICA DIGITAL Y ANALÓGICA

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- Acceder a tus archivos tanto en línea como sin conexión

› ESCANEA PARA APRENDER MÁS SOBRE 3B SMART ANATOMY Y NUESTROS MODELOS.



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- Información sobre tu cuenta y configuración personal



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- Llamada de estructuras anatómicas (en varios idiomas)
- La función de dibujo y notas te permite personalizar tu vista con información adicional útil
- Función de Realidad Aumentada
- Función de cuestionario para probar y mejorar tus conocimientos anatómicos



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- Con resultados instantáneos
- Evaluación de la puntuación final



ANATOMÍA HUMANA

El Grupo de Empresas 3B Scientific ha estado estableciendo estándares de calidad en la fabricación de soluciones innovadoras para la educación médica desde 1948. Hoy en día, 3B Scientific es una marca global con presencia en todo el mundo, incluyendo Brasil, China, Francia, Alemania, Hungría, Italia, Japón, Corea del Sur, España, Tailandia, Turquía, el Reino Unido y los Estados Unidos.

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Un extenso proceso de controlasegura la calidad incomparable de los productos 3B Scientific®.



EN 3B SCIENTIFIC, OFRECEMOS UN SERVICIO Y PRODUCTOS DE PRIMERA CALIDAD EN LOS QUE SIEMPRE PUEDE CONFIAR.

NUESTROS MODELOS ANATÓMICOS, SIMULADORES MÉDICOS Y ENTRENADORES DE HABILIDADES SON CREADOS CON METICULOSIDAD UTILIZANDO LOS ÚLTIMOS AVANCES EN INVESTIGACIÓN MÉDICA Y METODOLOGÍAS EDUCATIVAS.

Elija 3B Scientific y disfrute de los siguientes beneficios:

- **Modelos de esqueletos y tejidos blandos en tamaño real:** Muchos están moldeados a partir de especímenes reales para garantizar precisión.
- **Materiales duraderos:** Construidos para soportar el uso diario.
- **Ingeniería alemana:** Diseñados y desarrollados en Alemania específicamente para satisfacer los requisitos educativos de los profesionales médicos.
- **Alta calidad:** Mantenida en cada producto de 3B Scientific® gracias a nuestro proceso certificado de gestión de calidad.
- **Aprendizaje mejorado:** Todos los modelos anatómicos originales de 3B Scientific® incluyen la aplicación 3B SMART ANATOMY.

Nuestros modelos presentan detalles anatómicos precisos, pintados a mano para resaltar estructuras intrincadas como músculos y fibras nerviosas. Estos elementos son fácilmente identificables gracias a nuestros manuales digitales completos, tarjetas de aprendizaje y la aplicación 3B SMART ANATOMY, lo que mejora la enseñanza y el estudio interactivo. Fabricados con materiales no tóxicos para un aprendizaje práctico seguro, nuestros modelos están moldeados a partir de especímenes reales para garantizar características y texturas realistas. Los rigurosos procesos de producción mantienen nuestros altos estándares para cada hueso, esqueleto, modelo y simulador, todos respaldados por la garantía de 3B Scientific. Explore las siguientes páginas y experimente nuestros modelos mejorados con realidad virtual a través de 3B SMART ANATOMY.

Cada modelo es terminado a mano por técnicos altamente capacitados para garantizar una calidad consistentemente alta.



Un proceso de molienda especial hecho a mano asegura estructuras y superficies realistas.





Fisuras en detalle

› Modelos de esqueleto humano de alta calidad, creados a partir de muestras reales

ESQUELETO STAN

Calidad demostrada, postura aún más firme. Stan, el modelo básico de esqueleto humano, es apreciado desde hace décadas en el mundo entero. Gracias a su excelente calidad y resistencia, es ideal para su uso en hospitales, colegios, universidades y laboratorios. Decídase por un genuino Stan, el esqueleto artificial original.

¡Todos los modelos de esqueleto humano 3B Scientific ofrecen la más alta calidad de mano de obra y materiales!

- Tamaño y peso real.
- Excelente calidad del material, creado con muestras reales
- Cada detalle de gran precisión, montaje final realizado a mano
- Hecho de un material sintético resistente, irrompible
- Cráneo montado en 3 piezas con dientes insertados individualmente
- Las extremidades se pueden quitar de forma rápida y fácil
- Articulaciones movibles para demostraciones realistas
- Con un pie estable de metal de 5 ruedas hará el transporte entre habitaciones seguro
- Cubierta de polvo transparente incluido
- Diseñado en Alemania
- Incluye 3B SMART ANATOMY



3B SMART ANATOMY Esqueleto Stan sobre soporte metálico de 5 ruedas 176,5 cm; 9,57 kg	1020171
3B SMART ANATOMY Esqueleto Stan colgado sobre soporte metálico de 5 Ruedas (soporte colgante se muestra en la página 13) 192,5 cm; 8,77 kg	1020172
Forro protector del polvo para el esqueleto (no ilustrado) Usted puede proteger el esqueleto del polvo mediante nuestro forro protector, muy resistente. Sirve para todos los modelos de esqueleto. Negro.	1020761

ESQUELETO MAX CON MÚSCULOS

Max, posee todas las ventajas de un esqueleto de 3B Scientific® ofreciéndonos además la interacción entre los músculos y el esqueleto. En su lado izquierdo se designan hasta 600 estructuras anatómicas médicamente relevantes, como los nacimientos de los músculos (rojo), las inserciones musculares (azul).

MAX MUESTRA LA INTERACCIÓN ESTRUCTURAL ENTRE LOS MÚSCULOS Y LOS HUESOS

Todas las características exclusivas de Max en un vistazo:

- Muestra la interacción estructural entre huesos y músculos
- Representa a más de 600 estructuras médicas
- Orígenes musculares en rojo y las inserciones en azul
- Una fácil identificación
- Incluye 3B SMART ANATOMY

Además, ¡Max cuenta con todas las ventajas del clásico Esqueleto Modelo Stan!

3B SMART ANATOMY Esqueleto Max con músculos, sobre soporte metálico de 5 ruedas 176,5 cm; 9,57 kg	1020173
3B SMART ANATOMY Esqueleto Max con músculos, colgado sobre soporte metálico de 5 ruedas (soporte colgante, se muestra en la página 13) 192,5 cm; 8,77 kg	1020174



Piezas musculares insertables y orígenes de colores



› TODOS LOS MODELOS DE ESQUELETO 3B SCIENTIFIC® INCLUYEN LA APLICACIÓN GRATUITA 3B SMART ANATOMY APP. CONSULTE LA PÁGINA 4 PARA OBTENER MÁS DETALLES.





Ligamentos de la rodilla elásticos

ESQUELETO LEO CON LIGAMENTOS, SOBRE SOPORTE METÁLICO DE 5 RUEDAS

El modelo de esqueleto Leo ofrece las ventajas de un esqueleto de 3B Scientific con el añadido de la relación anatómica y funcional existente entre los huesos y los ligamentos. Los ligamentos principales (hombro, codo, cadera y rodilla) están montados en el lado derecho.

Todas las características exclusivas de Leo de un vistazo:

- La representación estructural de la interacción entre los huesos y ligamentos
- Todos los ligamentos son elásticos para mostrar el movimiento
- Incluye 3B SMART ANATOMY

Además, ¡Leo cuenta con todas las ventajas del clásico Esqueleto Modelo Stan!

3B SMART ANATOMY Esqueleto Leo con ligamentos, sobre soporte metálico de 5 ruedas 176,5 cm; 10 kg	1020175

› TEST 3B SMART ANATOMY
– DETALLES EN LA PÁGINA 4

ESQUELETO SAM, VERSIÓN DE LUJO

Sam nos ofrece todas las ventajas de un esqueleto de 3B Scientific. Además con Sam puede demostrar los movimientos del cráneo y de las articulaciones de la cabeza gracias a una columna vertebral totalmente móvil, imitando así la postura natural. Es único en la característica de mostrar los nacimientos y las inserciones musculares, ligamentos flexibles y columna vertebral flexible con hernia discal entre las 3º y 4ª vértebras lumbares, muestran este modelo puntero mas de 600 estructuras de claro interés médico y anatómico.



SAM ES SU HERRAMIENTA DE ENSEÑANZA PARA CUALQUIER NIVEL DE ESTUDIANTES Y COMO EDUCACIÓN AL PACIENTE

Super Sam el Esqueleto que lo hace todo:

- Orígenes e inserciones musculares pintados a mano
- Columna vertebral flexible y ligamentos de las posturas naturales (pueden ser removidos de soporte)
- Disco deslizado entre la 3ª y 4ª vértebra lumbar
- Resaltan los nervios espinales y las arterias vertebrales
- Total flexibilidad de las extremidades en el lado izquierdo, lado derecho tiene una flexibilidad total de rodilla y cadera con una flexibilidad limitada del codo y el hombro
- Incluye 3B SMART ANATOMY

Además, ¡Sam cuenta con todas las ventajas del clásico Esqueleto Modelo Stan!

3B SMART ANATOMY Esqueleto Sam, versión de lujo, montado sobre pie metálico de 5 ruedas. 176,5 cm; 10 kg	1020176
3B SMART ANATOMY Esqueleto Sam, versión de lujo, colgado sobre soporte metálico de 5 Ruedas (soporte colgante se muestra en la página 13) 192,5 cm; 10 kg	1020177

Nervios espinales emergentes







› ¡Phil se mueve!

ESQUELETO PHIL, EL ESQUELETO FISIOLÓGICO

¡Phil es único! Ofrece todas las ventajas de un esqueleto de 3B Scientific y se distingue por la movilidad de las articulaciones y su mecánica tan extremadamente fiel a la realidad. Demuestre rotaciones interiores y exteriores con los miembros así como movimientos y extensiones de la rodilla y del codo. También su columna vertebral flexible permite movimientos reales (inclinación lateral, movimiento y estiramiento y rotación). Los huesos de la mano de este modelo de esqueleto de 3B Scientific se han montado sobre alambres para permitir ser vistos en su posición natural. El montaje flexible de los huesos de los pies solo sirve para su movilidad. Los omóplatos giran cuando se levantan los brazos. Incluso la poca movilidad del sacro y de la pelvis se pueden mostrar con este modelo.

PHIL MUESTRA EL MOVIMIENTO NATURAL Y LOS MECANISMOS CONJUNTOS REALISTAS

- La columna vertebral flexible permite el movimiento natural
- Cerca de la realización de la vida-como los mecanismos conjuntos
- Incluye 3B SMART ANATOMY

Además, Phil cuenta con todas las ventajas del clásico Esqueleto Modelo Stan.

3B SMART ANATOMY Esqueleto Phil, el esqueleto fisiológico colgado sobre soporte metálico con 5 ruedas; 192,5 cm; 9,6 kg	1020179

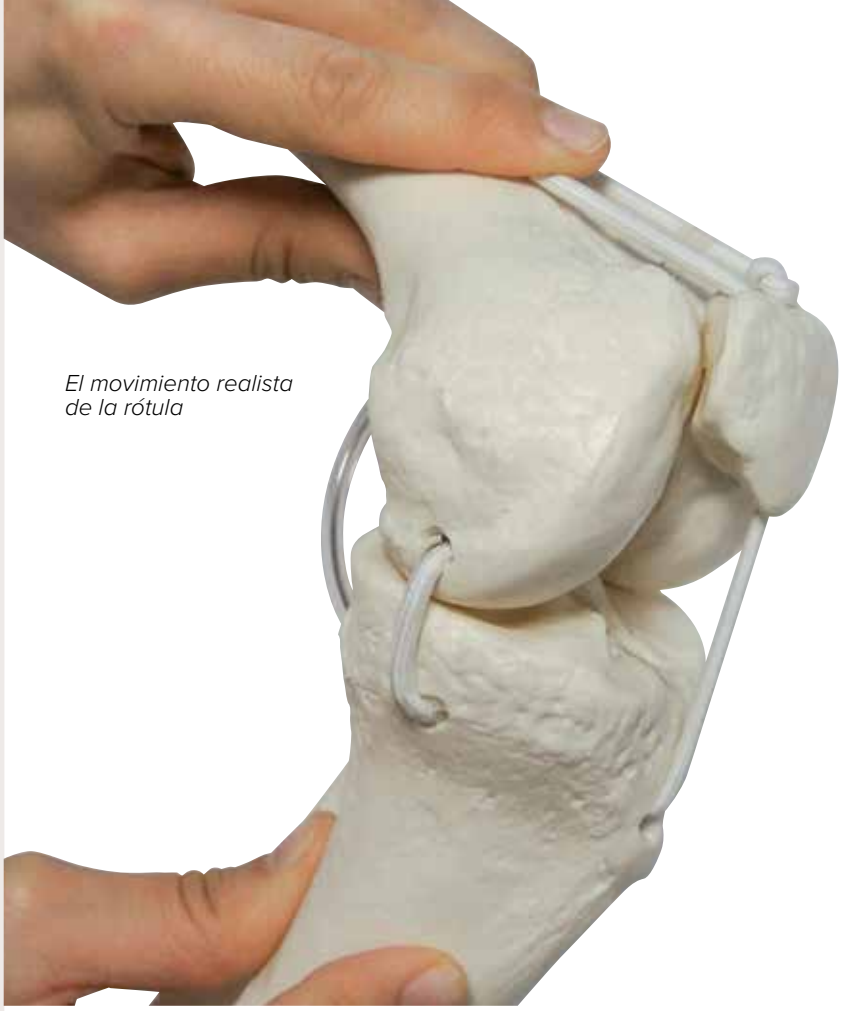
ESQUELETO FRED, EL ESQUELETO FLEXIBLE

Fred posee todas las ventajas de un esqueleto de 3B Scientific. Además, la columna vertebral móvil de Fred puede imitar casi cualquier movimiento natural humano. Una vez que se haya doblado, Fred permanece en la postura alcanzada, con el fin de evidenciar posturas tanto correctas como incorrectas como también malas posturas patológicas. Todos los movimientos del cráneo se pueden demostrar con las articulaciones de la cabeza. En este esqueleto están representados los nervios espinales tanto como las arterias vertebrales, como también una hernia discal entre la 3ª y la 4ª vértebra lumbar.



FRED MUESTRA EL MOVIMIENTO E IMITA CUALQUIER POSTURA PARA EXPLICACIONES DETALLADAS

3B SMART ANATOMY Esqueleto Fred, el esqueleto flexible sobre pie metálico con 5 ruedas; 176,5 cm; 9,6 kg	1020178



El movimiento realista de la rótula



› ¡Feldi es el único con tantos movimientos realísticos!

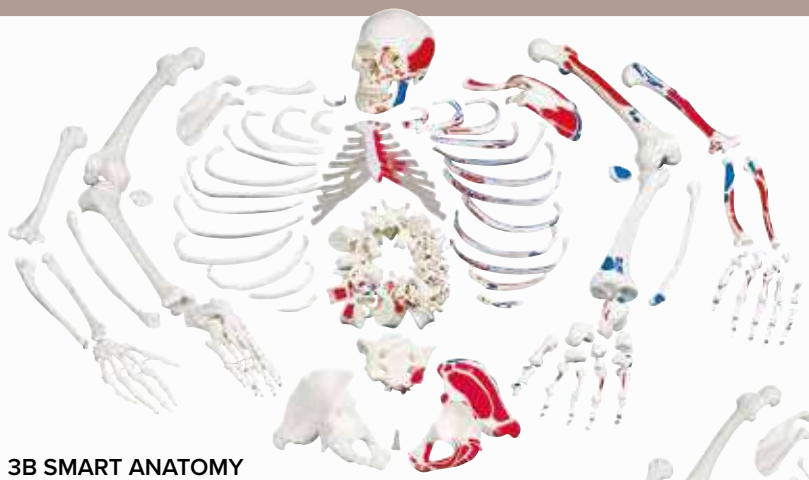
EL ESQUELETO FELDI, EL ESQUELETO FUNCIONAL

Cautiva gracias a sus novedosas articulaciones flexibles que le permiten imitar casi a la perfección los diferentes movimientos naturales en todas las direcciones. Demuestre el desarrollo completo de los movimientos de las extremidades superiores. Los omóplatos giran cuando se levantan los brazos. Incluso la posición relativa de cúbito y radio se puede demostrar en el desarrollo del movimiento de giro hacia dentro o hacia fuera del brazo. La columna vertebral flexible de este esqueleto permite realizar los movimientos naturales (Inclinación lateral, hacia adelante, estiramiento y giro). Gracias a su montaje flexible, al doblar y estirar la articulación de la rodilla se puede observar el movimiento del menisco. Los huesos de la mano se han montado sobre alambres para permitir ser vistos en su colocación natural. El montaje flexible de los huesos de los pies solo sirve para su movilidad. Incluso la poca movilidad del sacro y de la pelvis se pueden demostrar con este modelo.

FELDI ES EL ÚNICO ESQUELETO QUE MUESTRA UN MOVIMIENTO TAN REALISTA

- El conjunto flexible de todas las articulaciones le permite realizar un movimiento realista
- Se pueden mostrar complejos movimientos de las extremidades superiores.
- Incluye 3B SMART ANATOMY

3B SMART ANATOMY El esqueleto Feldi, el esqueleto funcional colgado sobre soporte metálico de 5 ruedas; 192,5 cm; 9,6 kg	1020180



ESTA RÉPLICA DEL ESQUELETO DE ALTA CALIDAD ES IDEAL PARA CUALQUIER ESTUDIO EN PROFUNDIDAD DEL ESQUELETO Y ANATOMÍA CIENTÍFICA.



3B SMART ANATOMY

ESQUELETO CON DESCRIPCIÓN DE MUSCULOS

Esta versión especial está pintada a mano con el fin de mostrar los orígenes de los músculos en rojo y las inserciones musculares en azul en el lado izquierdo. El cráneo es de 3 piezas.

- Los pies y manos montados con alambre
- La columna vertebral montado con alambre delgado, de nylon
- Incluye 3B SMART ANATOMY

48,5 x 27 x 42,5 cm; 6 kg 1020158

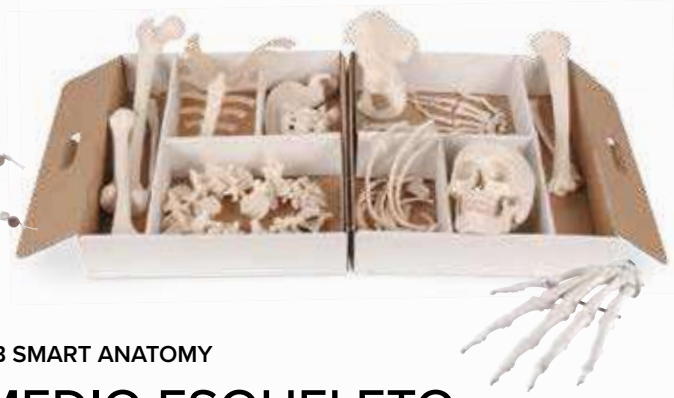
3B SMART ANATOMY

ESQUELETO COMPLETO

Tiene una mano y un pie articulados en alambre. Sus contrapiezas están ensartadas de forma suelta en nylon. Viene con una caja estable de almacenamiento.

48,5 x 27 x 42,5 cm; 4,8 kg 1020157





3B SMART ANATOMY

MEDIO ESQUELETO, DESARTICULADO, MANO Y PIE ESTÁN ARTICULADOS CON NILÓN

Viene completo con cráneo articulado, esternón, hioides y columna vertebral.

48,5 x 27 x 42,5 cm; 4 kg 1020156

3B SMART ANATOMY

MEDIO ESQUELETO, DESARTICULADO, MANO Y PIE ESTÁN ARTICULADOS CON ALAMBRES

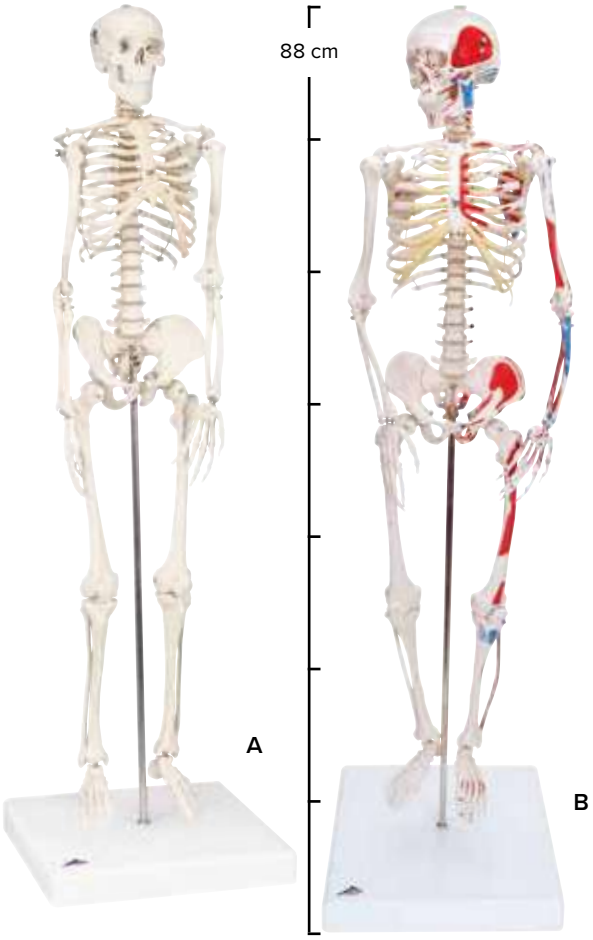
Viene completo con cráneo articulado, esternón, hioides y columna vertebral.

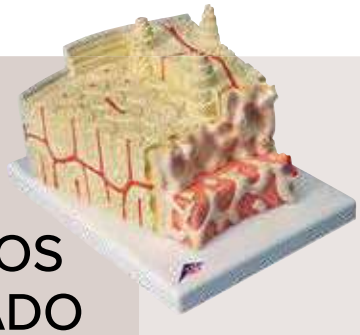
49 x 43 x 26,5 cm; 4 kg 1020155

MINIESQUELETO “SHORTY”

Modelos de esqueleto humano en miniatura a su alcance
- Cráneo desmontable en 3 partes desmontable (calota craneal, base del cráneo, mandíbula)
- Los brazos y piernas son desmontables
- Las articulaciones de la cadera están especialmente diseñadas para mostrar la rotación natural de las caderas
- Hecho de plástico resistente, irrompible
- Puede ser despegado de la base cuando sea necesario.
- Incluye 3B SMART ANATOMY

3B SMART ANATOMY A. Miniesqueleto “Shorty”, sobre zócalo; 88 cm, 1,5 kg	1000039
3B SMART ANATOMY Miniesqueleto “Shorty”, sobre soporte colgante (no ilustrado) El soporte es apropiado tanto para ser colocado en el suelo como para ser montado en la pared. 94 cm; 1,7 kg	1000040
3B SMART ANATOMY B. Miniesqueleto “Shorty” con músculos pintados, sobre soporte Orígenes musculares (rojo) e inserciones (azul) en la mitad izquierda. 88 cm; 1,7 kg	1000044
3B SMART ANATOMY Miniesqueleto “Shorty” con músculos pintados, sobre soporte colgante (no ilustrado) El soporte es apropiado tanto para ser colocado en el suelo como para ser montado en la pared. 94 cm; 1,7 kg	1000045







3B SMART ANATOMY

MICRO*anatomy*™ ESTRUCTURA DE LOS HUESOS AUMENTADO 80 VECES

El modelo detallado muestra una sección tridimensional de un hueso compacto como estructura típica de un hueso largo. Se presentan distintas fases en secciones transversales y longitudinales de todos los planos del hueso, así como una sección en dos fases de la estructura interna de la médula ósea. Las características especiales de un hueso compacto están claramente expuestas para facilitar la comprensión de la estructura y de la función del hueso, con las típicas placas óseas que reciben el nombre de sistema laminar de Havers. Este modelo representa de forma ilustrativa la correlación funcional de cada uno de los componentes del hueso, como el tejido esponjoso, el tejido compacto, el periostio, la corteza ósea, las células óseas y los conductos de Volkmann y de Havers.

26 x 19 x 14,5 cm; 0,8 kg	1000154

3B SMART ANATOMY

TEJIDO ÓSEO ESPONJOSO – AUMENTADO 100 VECES

El modelo muestra el tejido óseo presente en el interior del hueso. Su filigrana arquitectura viene determinada por el influjo de la presión, la curvatura y la torsión. Con ayuda de un novedoso Micro-TC, parecido al tomógrafo computerizado para humanos, hemos logrado, a partir de un fragmento de tejido esponjoso, una reconstrucción exacta en tres dimensiones y a 100 veces su tamaño natural.

17 x 17 x 23 cm; 0,29 kg	1009698

VENTAJAS DE LOS MODELOS DE HUESOS CON MONTAJE FLEXIBLE:

El montaje flexible extensible permite al usuario devolver a su posición natural cada uno de los huesos después de haberlos separado para una observación de cerca. El modelo entero permanece en una postura anatómica natural cuando sus piezas no se separan manualmente.





3B SMART ANATOMY

ESQUELETO DE LA MANO CON PARTES DE ULNA Y RADIO, ENSARTADO FLEXIBLEMENTE*

Montada en cadena de alambre el amortiguador de auxiliar, cúbito y el radio.

1019369

3B SMART ANATOMY

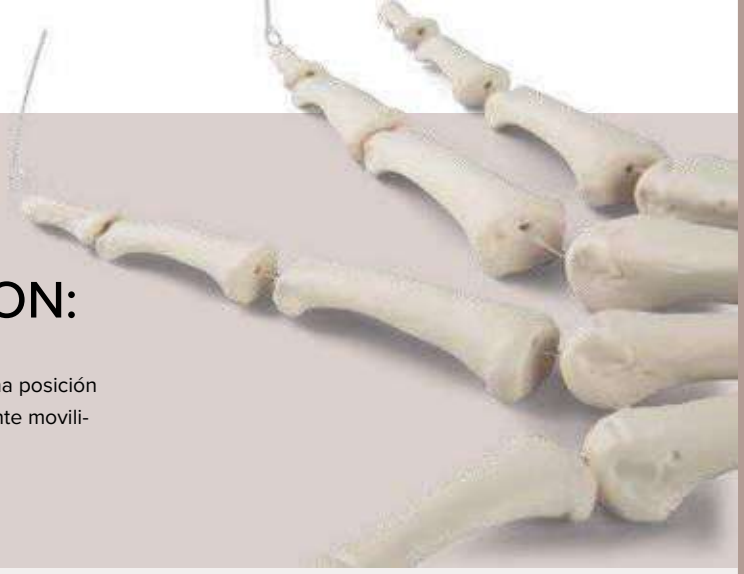
ESQUELETO DEL PIE CON PARTES DE TIBIA Y FÍBULA ARTICULADO FLEXIBLEMENTE*

Este esqueleto suelto del pie y del tobillo va montado con un hilo elástico para lograr un efecto flexible. El esqueleto incluye porciones de la tibia y el peroné.

1019358







VENTAJAS DE LOS MODELOS DE HUESOS CON MONTAJE DE NYLON:

Cada uno de los huesos se mantiene unido a los demás en una posición anatómicamente correcta, aunque su montaje permite suficiente movilidad para observarlos por separado.

3B SMART ANATOMY

ESQUELETO DE LA MANO ENSARTADA EN FORMA SUELTA CON UN NYLON*

1019368

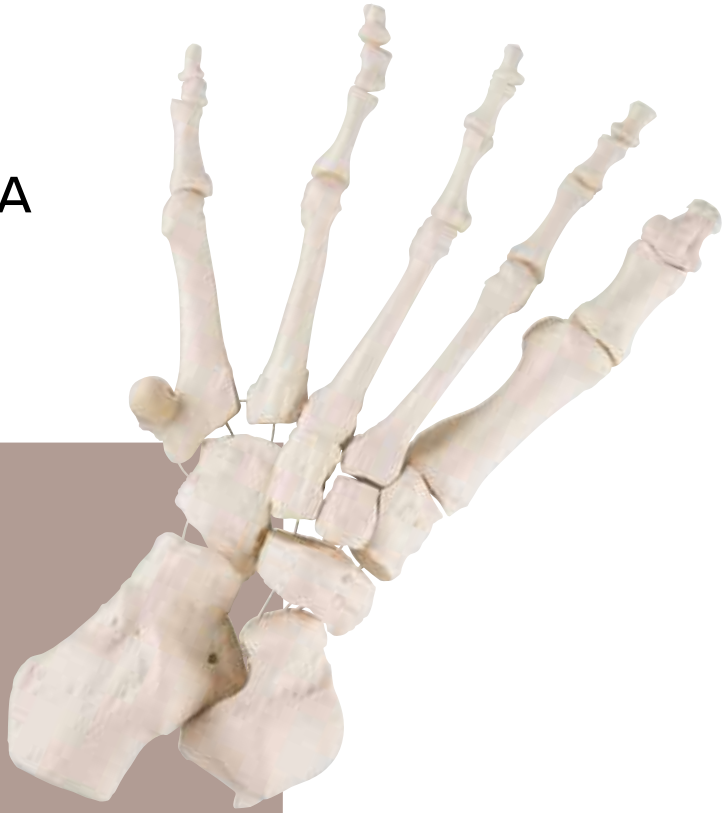




3B SMART ANATOMY

ESQUELETO DEL PIE ENSARTADO EN FORMA SUELTA EN NYLON

1019356



**Desgraciadamente no es posible especificar la versión derecha o izquierda. Usted recibirá un modelo del lado derecho o izquierdo. Sin embargo, esta distinción podría ser posible para cantidades grandes. Por favor consúltenos.*

VENTAJAS DE LOS MODELOS DE HUESOS CON MONTAJE DE CABLE:

Al estar flexionadas, las articulaciones se mantienen en la posición que el usuario desea mostrar. Cada uno de los huesos permanece siempre en una posición anatómicamente natural.



3B SMART ANATOMY
ESQUELETO DE LA MANO CON PORCIONES DE ULNA Y RADIO ARTICULADO

1019370





3B SMART ANATOMY
ESQUELETO DE LA MANO ARTICULADA EN ALAMBRE*

1019367



3B SMART ANATOMY
ESQUELETO DE UNA PIERNA*

1019359



3B SMART ANATOMY
ESQUELETO DEL BRAZO*

1019371



3B SMART ANATOMY
ESQUELETO DEL PIE ARTICULADO EN ALAMBRE*

1019355

3B SMART ANATOMY
ESQUELETO DE UNA PIERNA CON PARTE DE HUESO DE LA CADERA*

1019366



3B SMART ANATOMY
ESQUELETO DEL BRAZO CON ESCAPULA Y CLAVÍCULA*

1019377

3B SMART ANATOMY
ESQUELETO DEL PIE CON PARTES DE TIBIA Y FIBULA MONTADO EN ALAMBRE*

1019357



**Desgraciadamente no es posible especificar la versión derecha o izquierda. Usted recibirá un modelo del lado derecho o izquierdo. Sin embargo, esta distinción podría ser posible para cantidades grandes. Por favor consúltenos.*

3B SMART ANATOMY
A. ULNA*

1019373

3B SMART ANATOMY
B. RADIO*

1019374

3B SMART ANATOMY
C. HÚMERO*

1019372

3B SMART ANATOMY
D. FÍBULA*

1019364

3B SMART ANATOMY
E. FÉMUR*

1019360

3B SMART ANATOMY
F. TIBIA*

1019363

3B SMART ANATOMY
G. HUESO ILÍACO*

1019365

3B SMART ANATOMY
H. RÓTULA*

1019362

3B SMART ANATOMY
I. ATLAS Y AXIS*

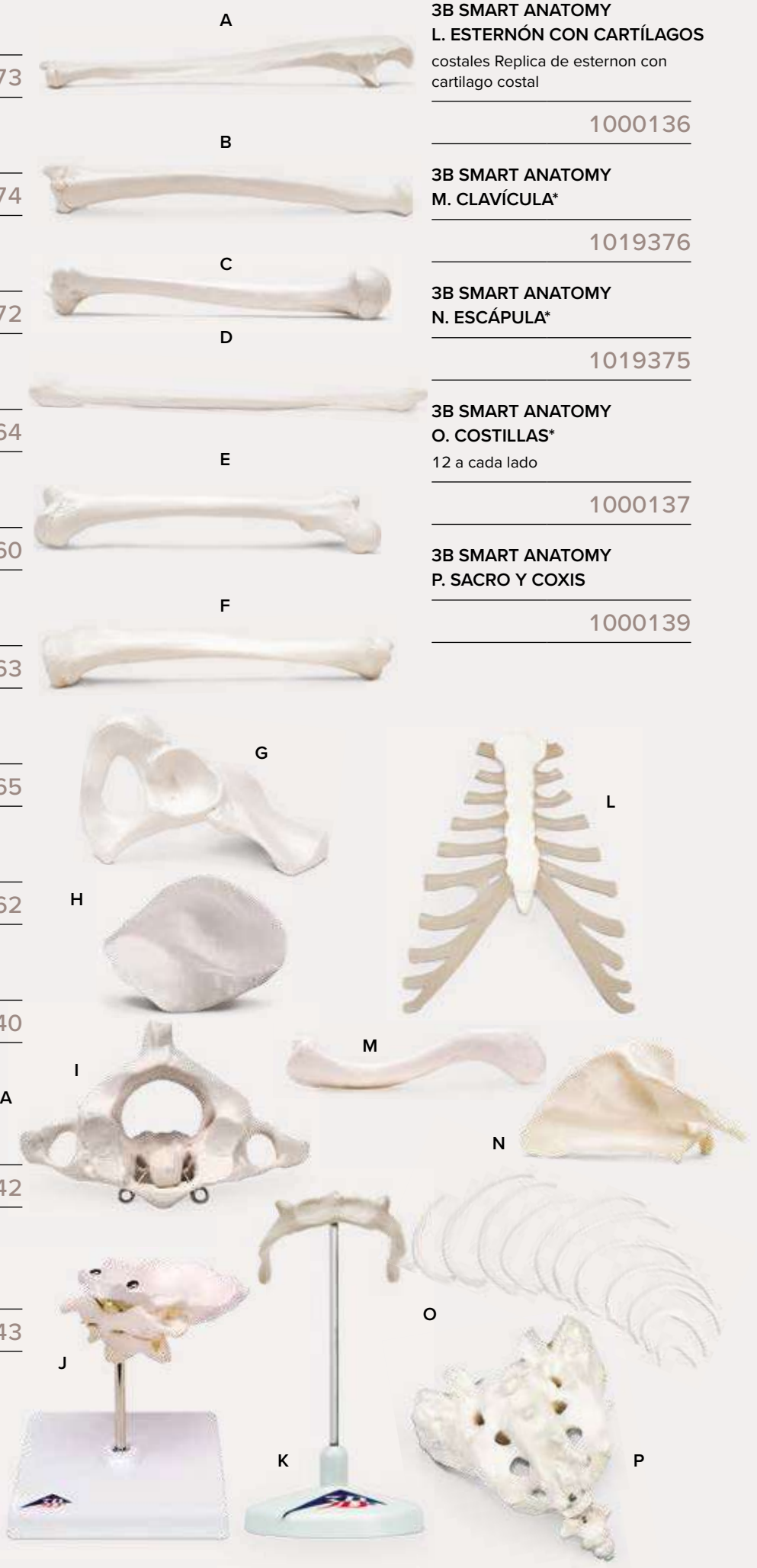
1000140

3B SMART ANATOMY
J. ATLAS Y AXIS CON LÁMINA
horizontal del occipital Montado sobre soporte, desmontable

1000142

3B SMART ANATOMY
K. HUESO HIOIDES
Montado sobre soporte

1000143



3B SMART ANATOMY
L. ESTERNÓN CON CARTÍLAGOS
costales Replica de esternon con cartilago costal

1000136

3B SMART ANATOMY
M. CLAVÍCULA*

1019376

3B SMART ANATOMY
N. ESCÁPULA*

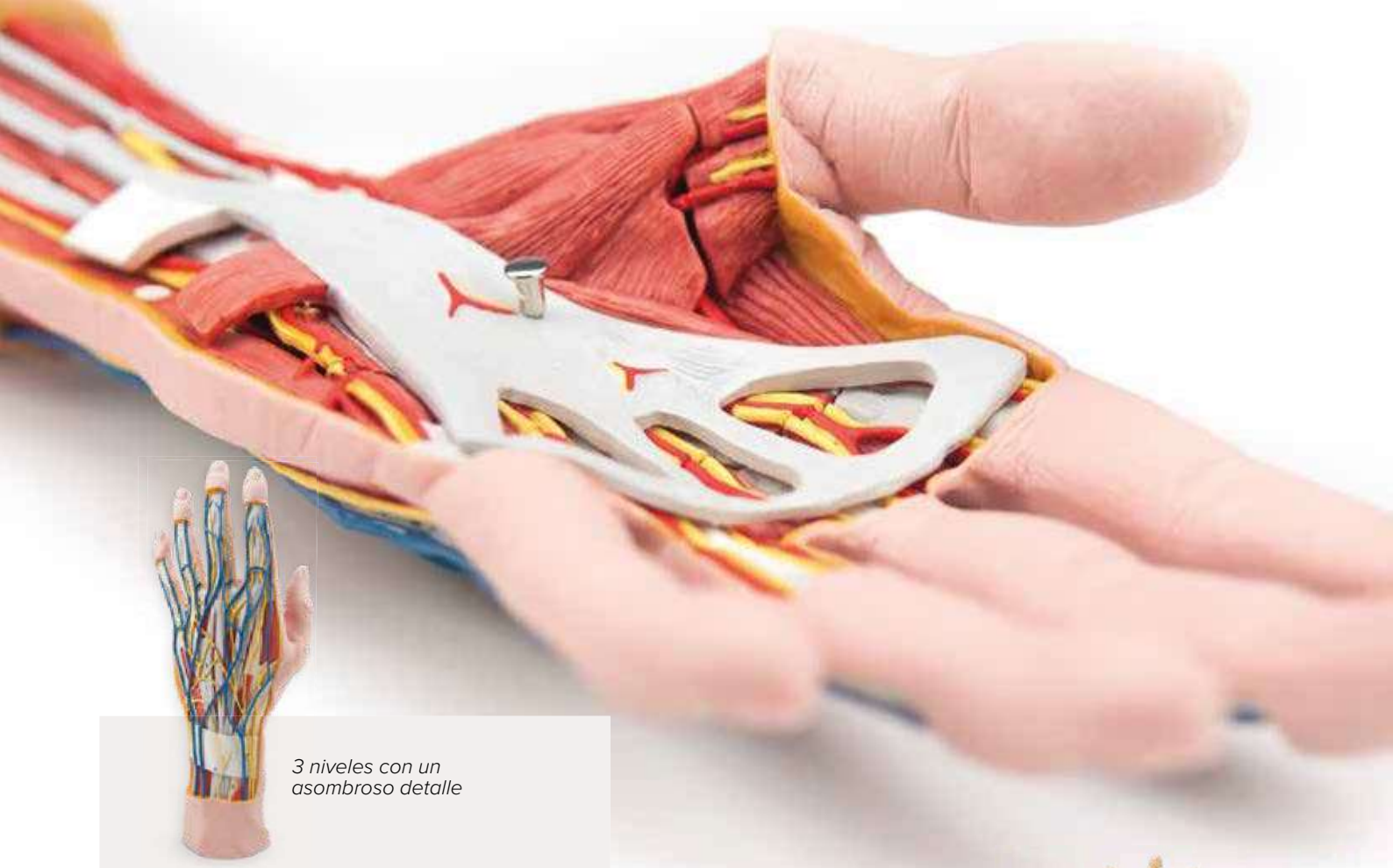
1019375

3B SMART ANATOMY
O. COSTILLAS*
12 a cada lado

1000137

3B SMART ANATOMY
P. SACRO Y COXIS

1000139



3 niveles con un asombroso detalle

3B SMART ANATOMY

MODELO DE LA ESTRUCTURA DE LA MANO, DESMONTABLE EN 3 PIEZAS

Este modelo de tamaño natural muestra las estructuras superficiales del dorso de la mano además de las estructuras internas, incluyendo huesos, músculos, tendones, ligamentos, arterias (arcos palmares superficiales y profundos) y nervios. La aponeurosis palmar y el plano de los tendones del flexor superficial son desmontables. Las piezas vienen enumeradas.

Analice la superficie palmar a tres niveles profundos:

- 1a Nivel: aponeurosis palmar.
- 2o Nivel: Expone el retináculo flexor, arco palmar superficial, tendones del flexor de los dedos y de los músculos lumbricales.
- 3a Nivel: Descubra el arco palmar, la capa profunda de los músculos, nervios, tendones, y ligamentos.

28,5 x 13 x 6,5 cm; 1,2 kg **1000349**



3B SMART ANATOMY

MODELO DEL ESQUELETO DE LA MANO CON LIGAMENTOS Y MÚSCULOS

Este modelo de alta calidad consta de 4 partes y muestra todos los huesos, músculos, tendones, ligamentos, nervios, arterias y venas de la mano y el antebrazo inferior. El lado dorsal muestra los músculos extensores así como partes de los tendones de la muñeca en su paso bajo el retináculo de los extensores. El lado palmar de la mano está representado en tres capas, las dos primeras extraíbles, para permitir un estudio detallado de la capa anatómica más profunda. Además permite explorar estructuras clínicamente relevantes como el nervio mediano y el arco arterial superficial de la palma de la mano. La capa anatómica más profunda permite estudiar los músculos intrínsecos y el arco arterial profundo palmar.

33 x 12 x 12 cm; 0,4 kg **1000358**

› 3B SMART ANATOMY ES SU COMPAÑERO DIGITAL PARA ESTUDIAR LA ANATOMÍA DE LA MANO. CONSULTE LOS DETALLES EN LA PÁGINA 4.



3B SMART ANATOMY

MODELO DEL ESQUELETO DE LA MANO CON LIGAMENTOS Y TÚNEL CARPIANO

Esta mano de tres partes muestra los detalles anatómicos de los ligamentos y los tendones que se encuentran en la mano, la muñeca y el antebrazo inferior. También se muestra la membrana interósea entre el radio y el cúbito junto con los huesos de la mano.

30 x 14 x 10 cm; 0,3 kg 1000357



3B SMART ANATOMY

MANO CON LIGAMENTOS

El modelo de una sola pieza muestra a todo detalle la anatomia de la mano. Es un material perfecto para la formacion y enseñanza de fisioterapeutas, médicos y ergoterapeutas. Se muestran los huesos carpianos, metacarpos y falanges. En la zona, distal del antebrazo representando el radio, la ulna, además, la capa fibrosa del tejido conectivo. Además cuenta con la flexibilidad necesaria para simular los movimientos funcionales.

14 x 10 x 28 cm; 0,24 kg 1013683



3B SMART ANATOMY

MODELO DE LA ESTRUCTURA INTERNA DEL DEDO

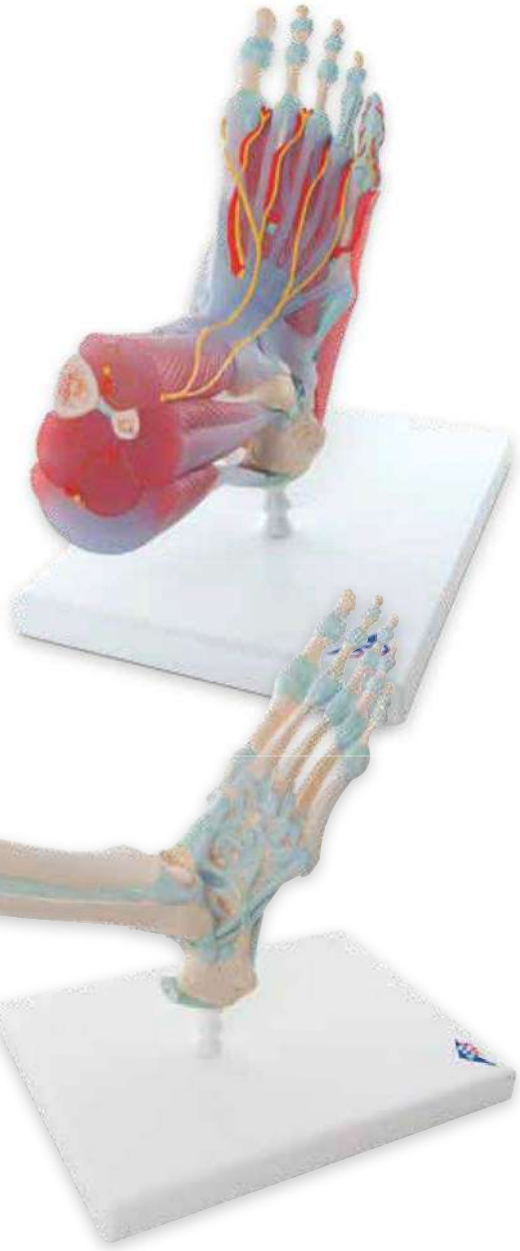
Este modelo de tamaño natural muestra los huesos, músculos y tendones del dedo medio humano. Se envía con un soporte.

19,5 x 13 x 19 cm; 0,5 kg 1000350

LIGAMENTOS Y MÚSCULOS EXTRAÍBLES

3B SMART ANATOMY

MODELO DEL ESQUELETO DEL PIE CON LIGAMENTOS Y MÚSCULOS



Este modelo anatómicamente detallado del pie y de la parte inferior de la pierna puede desmontarse en 6 partes extraíbles para realizar un estudio detallado de la zona. El modelo no incluye solamente los huesos, sino que también incorpora los músculos, tendones, ligamentos, nervios, arterias y venas. La vista frontal muestra los músculos extensores de la parte inferior de la pierna. Puede seguirse el transcurso de los tendones bajo el ligamento crural transversal y crural crucial hasta sus puntos de inserción. Además, todas las fundas de los tendones son visibles.

La planta del pie se presenta en tres capas:

- La primera capa muestra el M. flexor digitorum brevis.
- La segunda capa consiste en el M. quadratus plantae, el tendón del M. flexor digitorum longus y el M. flexor hallucis brevis.
- La tercera capa muestra detalles anatómicos más profundos.

23 x 26 x 19 cm; 1,1 kg 1019421

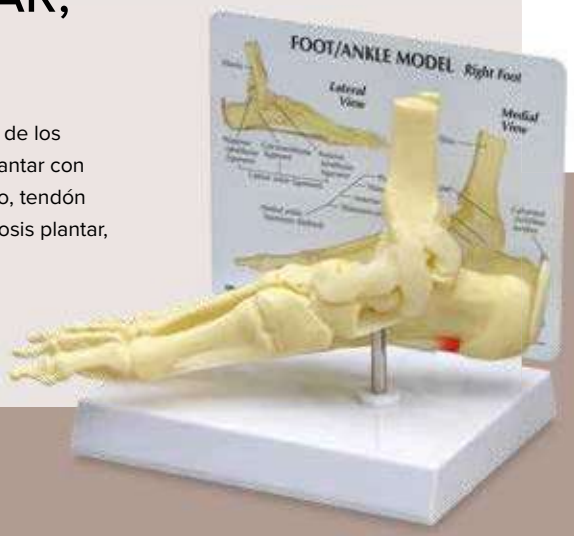
3B SMART ANATOMY

MODELO DEL ESQUELETO DEL PIE CON LIGAMENTOS

Este detallado modelo muestra varios ligamentos y tendones importantes incluyendo el tendón de Aquiles y el tendón peroneo largo del tobillo. El modelo consta del hueso del pie y las partes inferiores de la tibia y el peroné, incluyendo la membrana intraósea que se encuentra entre ambos. Muestra todos los ligamentos y tendones anatómicamente importantes, tanto los grandes como los pequeños.

23 x 18 x 30 cm; 0,6 kg 1000359

MODELO DE FASCITIS PLANTAR, PIE/TOBILLO



El modelo de fascitis plantar en pie/tobillo es un modelo sólido a tamaño real de los huesos del tobillo y del pie que representa el ligamento calcaneonavicular plantar con fascitis plantar. La anatomía del pie y del tobillo incluyen: tibia, fíbula, calcáneo, tendón calcáneo (Aquiles), ligamento deltoides, ligamento lateral (colateral), aponeurosis plantar, huesos cuneiforme, falanges, cuboides, navicular y metatarsal.

22,9 x 7 x 10,2 cm 1019522



MODELO SIMPLE DEL PIE

Estructuras superficiales, tambien con los huesos internos, músculos, ligamentos y nervios del pie humano. modelos de alta calidad.

3B SMART ANATOMY A. Pie Arqueado (Pes Cavus), 13 x 23 x 10 cm; 0,5 kg	1000356
3B SMART ANATOMY B. Pie Normal (Pes Normal), 13 x 24 x 9 cm; 0,4 kg	1000354
3B SMART ANATOMY C. Pie Plano (Pes Planus), 12 x 24 x 10 cm; 0,4 kg	1000355

› ¡AGREGUE UN GRÁFICO COMO HERRAMIENTA CONSTANTE DE EDUCACIÓN VISUAL!

LÁMINA DE LA ANATOMÍA DEL PIE Y EL TOBILLO

Laminado. 50 x 67 cm 1001821





LÁMINA DE LA ANATOMÍA DE LA MANO Y ARTICULACIÓN RADIOCARPIANA

Laminado. 50 x 67 cm 1001815



EL CONJUNTO DE SERIE MUSCULAR DE 3B SCIENTIFIC: ¡EDUCACIÓN PRÁCTICA TODOS LOS NIVELES!

+ Modelos de Articulaciones y Músculo en tamaño natural fabricados al detalle
+ Coloración altamente realista del hueso y los músculos
+ Orígenes musculares e inserciones diferenciadas con un código de colores.
+ Piezas desmontables para el estudio de la anatomía más profunda.
+ Alta calidad, realizado sin materiales peligrosos y duraderos.

3B SMART ANATOMY

ARTICULACIÓN DE LA RODILLA

Completando nuestra gama de articulaciones y sus músculos correspondientes, nos enorgullece presentar este modelo de 12 partes de la articulación de la rodilla. Muestra diferentes músculos y partes de músculos extraíbles de la región de la rodilla. Las zonas con código de color y elevadas indican el origen del músculo y sus puntos de inserción en el fémur, tibia y peroné. Además, también representa partes de los ligamentos colaterales peroneales y tibiales.

33 x 17 x 17 cm; 0,9 kg **1000178**



11 piezas desmontables

Detalles realistas









3B SMART ANATOMY ARTICULACIÓN DEL CODO, 8 PIEZAS

El modelo muestra el codo derecho de un hombre con todos los músculos y los orígenes. Las inserciones musculares del húmero así como el radio y el cúbito. Las superficies de las inserciones y de los orígenes musculares están resaltadas y codificadas por colores (origen=rojo; inserción=azul) con fines didácticos. Los músculos están insertados en las superficies de los orígenes y de las inserciones musculares correspondientes y, por lo tanto, se pueden extraer.

25 x 41 x 25 cm; 1,74 kg **1000179**



3B SMART ANATOMY ARTICULACIÓN DEL HOMBRO CON MANGUITO ROTADOR, DE 5 PIEZAS



Este modelo se compone de la mitad superior del húmero, la clavícula y del hueso escápula u omóplato. Además de la representación de la musculatura del manguito rotador se han resaltado en colores diferentes las superficies del origen y de la inserción de los músculos del hombro (origen = rojo; inserción = azul).

- Abducción • Rotación Interna
- Adducción • Rotación Externa

18 x 18 x 24 cm; 0,85 kg **1000176**

3B SMART ANATOMY ARTICULACIÓN DE LA CADERA, 7 PIEZAS

El modelo muestra la articulación de la cadera de un hombre, con músculos individuales, al igual que sus orígenes e inserciones en el fémur y en el hueso ilíaco. Por razones didácticas, las superficies de los orígenes e inserciones de los músculos se presentan en relieve y con distintos colores (origen = rojo, inserción = azul). La musculatura de la cadera se encuentra insertada en sus regiones correspondientes de origen e inserción y es también desmontable.

18 x 32 x 18 cm; 1,9 kg **1000177**



CONJUNTO TAMAÑO REDUCIDO DE ARTICULACIONES CON MÚSCULOS

Conjunto de cuatro piezas, tamaño reducido (aprox. 50% de modelos del catálogo), modelos de las articulaciones de la cadera, codo, hombro y rodilla. (No contiene las estructuras de la mano y la muñeca)

1019518



CADERA CON MÚSCULOS Y NERVIO CIÁTICO

Cadera derecha normal a tamaño real con extremo proximal del fémur y vértebras lumbares inferiores, incluye: nervio ciático, glúteo medio, glúteo menor, ilíaco, gemelos inferior y superior, obturador interno, piriforme y soas (músculos), ligamentos de la cápsula articular, L4-L5 con sacro.

18,4 x 12,1 x 25,4 cm **1019505**



MODELO ATM

Modelo de articulación temporomandibular (ATM) que muestra las patologías problemáticas asociadas con la cápsula articular. Se enfatiza el disco, la inflamación en el hueso circundante, así como el efecto sobre los dientes, (grietas, fisuras, oquedades y rasgos de bruxismo).

15,2 x 15,2 x 16,5 cm **1019541**



› MUESTRE EL MOVIMIENTO

MODELO CLÁSICO DE ARTICULACIONES FLEXIBLES

El Modelo Funcional ofrece una demostración gráfica de la anatomía y del mecanismo de la articulación, permitiendo una mejor comprensión entre el doctor y el paciente y entre el profesor y el estudiante.



3B SMART ANATOMY
A. HOMBRO

16 x 12 x 20 cm 1000159



3B SMART ANATOMY
B. CADERA

17 x 12 x 33 cm 1000161



3B SMART ANATOMY
C. RODILLA

12 x 12 x 34 cm 1000163



3B SMART ANATOMY
D. CODO

12 x 12 x 39 cm 1000165

› MUESTRE EL MOVIMIENTO Y EL IMPACTO SOBRE LA RODILLA

MODELO FUNCIONAL DE LA ARTICULACIÓN DE LUJO

Este modelo funcional de la articulación derecha con ligamentos, de alta calidad y en tamaño natural, representa de forma extraordinariamente detallada la anatomía y las posibilidades de movimiento fisiológicas (p.ej. abducciones, anteversión, retroversión, rotación externa e interna). La coloración de los huesos moldeados conforme con su original es extremadamente realista. El cartílago en las superficies articulares se representa en color azul. El modelo consta del omóplato, la clavícula y el muñón de brazo. Sobre soporte.

3B SMART ANATOMY
E. HOMBRO FUNCIONAL

22 cm; 0,41 kg 1000160

3B SMART ANATOMY
F. CADERA FUNCIONAL

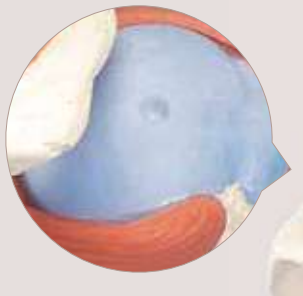
32 cm; 0,56 kg 1000162

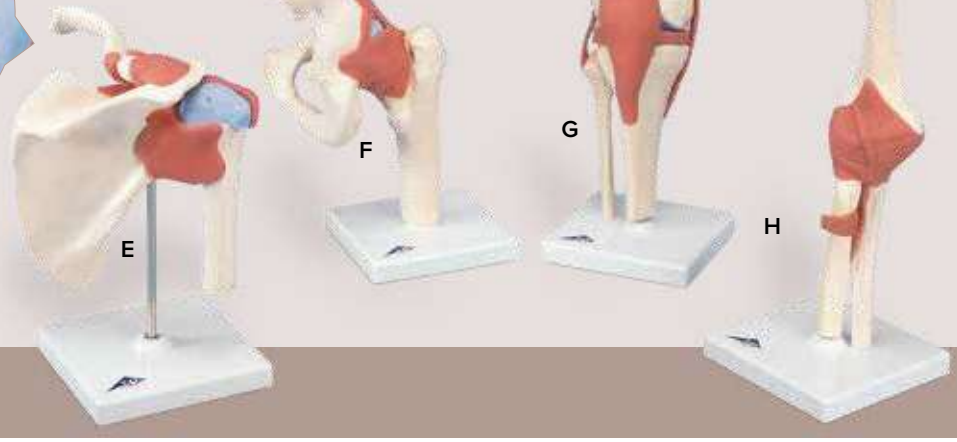
3B SMART ANATOMY
G. RODILLA FUNCIONAL

32 cm; 0,55 kg 1000164

3B SMART ANATOMY
H. CODO FUNCIONAL

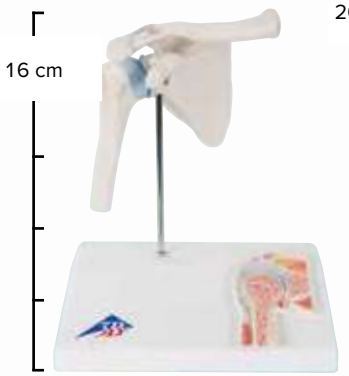
33 cm; 0,28 kg 1000166





MINI-ARTICULACIÓN DE LA CADERA CON CORTE TRANSVERSAL

Esta mini-articulación ha sido reducida la mitad de su tamaño natural, pero mantiene toda su funcionalidad. Además de las estructuras anatómicas externas usted ahora tiene la posibilidad de explicar lo que esta sucediendo en el interior de la articulación utilizando el corte transversal de la articulación en la base.



I

3B SMART ANATOMY
I. MINI HOMBRO

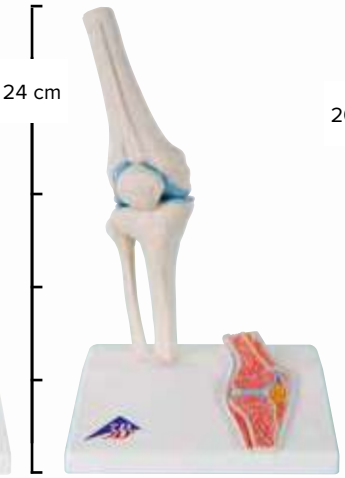
12 x 14 x 16 cm 1000172



J

3B SMART ANATOMY
J. MINI CADERA

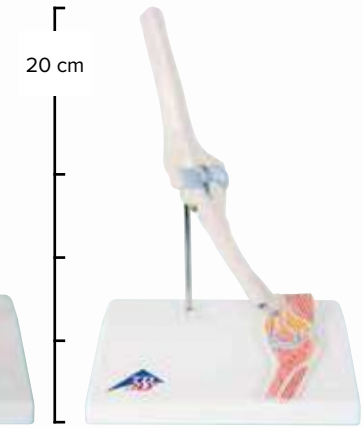
16 x 12 x 20 cm 1000168



K

3B SMART ANATOMY
K. MINI RODILLA

10 x 14 x 24 cm 1000170



L

3B SMART ANATOMY
L. MINI CODO

16 x 12 x 20 cm 1000174

› OFREZCA LA MEJOR INFORMACIÓN AL PACIENTE CON MODELOS PATOLÓGICOS DETALLADOS



3B SMART ANATOMY
RODILLA SECCIONAL MODELO MIXTO, 3 PARTES

Demuestra los trastornos de la articulación de la rodilla con un tamaño completo. Muestra una sana articulación de la rodilla derecha con partes del fémur, la tibia y el peroné, así como el ligamento y la rótula, y parte del tendón femoral. Puede ser desmontado para revelar las estructuras internas. Montado en base.

12 x 12 x 24 cm, 0,5 kg 1000180



MODELO DE RODILLA, MENISCO CON 6 DESGARROS

Modelo de rodilla derecha a tamaño real que muestra desgarros de menisco habituales. Patologías incluidas: desgarro horizontal, colgajo, asa de balde, desgarro degenerativo, desgarro radial, desgarro longitudinal.

16,5 x 6 x 15,2 cm 1019500

3B SMART ANATOMY
FRACTURA DE FÉMUR Y DESGASTE DE LA ARTICULACIÓN DE LA CADERA

Este modelo ha sido desarrollado para ayudar a informar de manera comprensible a los pacientes. Representa la articulación de la cadera derecha de una persona mayor en medio tamaño natural. Además, sobre el zócalo se representa un corte frontal por el cuello del fémur en relieve. Representa las fracturas de fémur más frecuentes. Así como el desgastes típico en las articulaciones.

14 x 10 x 22 cm; 0,3 kg 1000175



CONJUNTO DE MODELO DE RODILLA OSTEOARTRÍTICA, 4 FASES

Conjunto de cuatro modelos de rodilla que muestran las fases de la rodilla osteoartrítica, tamaño reducido, con representación de: enfermedad articular degenerativa (osteoartritis); erosión del cartílago de la articulación; progresión de enfermedad articular degenerativa; osteofitos (excreción ósea) en las superficies articulares. La rodilla de fase avanzada está articulada para una visión adicional de la articulación.

7.6 x 4,44 x 14 cm 1019502



› EL MATERIAL 3B SCIENTIFIC® BONE*like*™ TIENE EL MISMO TACTO Y ASPECTO QUE UN HUESO REAL. CADA HUESO SE HA FABRICADO A PARTIR DE UN MOLDE ORIGINAL DE HUESO HUMANO Y PRESENTA UN PESO, TACTO Y ASPECTO DE MÁXIMO REALISMO. LAS MÁS PEQUEÑAS ESTRUCTURAS ANATÓMICAS SE PRESENTAN DE MANERA EXTREMADAMENTE DETALLADA, CON UNA TEXTURA Y UN COLOR REALISTAS Y LAS CARACTERÍSTICAS DE POROSIDAD PROPIAS DE UN HUESO HUMANO REAL.CONSTITUYEN UN SUSTITUTO EXCELENTE DE LOS HUESOS AUTÉNTICOS, QUE A SU VEZ PUEDEN RESULTAR DIFÍCILES DE OBTENER POR CUESTIONES ÉTICAS. IDEAL PARA SU USO EN CENTROS DE FORMACIÓN RELACIONADA CON LA MEDICINA ASÍ COMO EN CONSULTAS MÉDICAS.



¡UNA EXCELENTE MANERA DE ESTUDIAR AL DETALLE LA ANATOMÍA DE LA COLUMNA VERTEBRAL HUMANA!

3B BONE*like*™ MODELOS

Modelo original único en el mundo de vértebras con estructuras anatómicas reproducidas cuidadosamente de forma detallada. Entrega con soporte.

3B SMART ANATOMY
A. EQUIPO CON 7
3B BONE*like*™ VÉRTEBRAS CERVICALES

30 x 21 x 6 cm; 0,2 kg — 1000021

3B SMART ANATOMY
B. EQUIPO CON 5
3B BONE*like*™ VÉRTEBRAS LUMBARES

30 x 21 x 6 cm; 0,2 kg — 1000155

A





B

3B SMART ANATOMY

JUEGO DE 24 VÉRTEBRAS 3B BONE*like*™

Modelo de vértebras humanas modelado según el original, único en el mundo, que representa con precisión máxima y de calidad excelente incluso las estructuras anatómicas más finas. El juego consta de las 7 vértebras cervicales, las 12 vértebras torácicas y las 5 vértebras lumbares.

- Los huesos de 3B están fabricados con material realista al tacto y a la vista.
- Peso realista
- Excelente sustituto de los huesos reales para el uso médico con fines didácticos y de consulta del paciente.
- Cada vértebra está etiquetada para una fácil identificación.
- Se entrega en caja de transporte y de almacenamiento individual para las 24 vértebras.



41 x 40 x 12 cm; 2,4 kg — 1000156

♂

3B SMART ANATOMY

3B BONE*like*™ COLUMNA VERTEBRAL

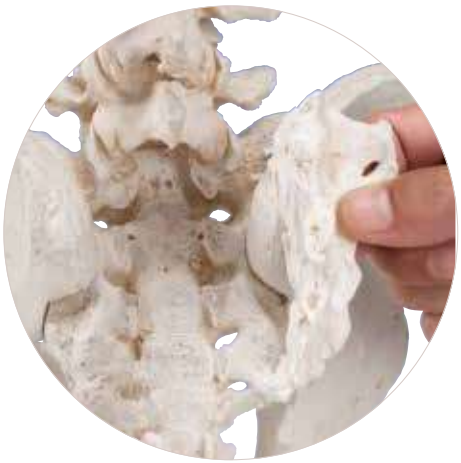
Modelo natural de la columna vertebral humana, de montaje flexible, con la excelente calidad de 3B BONE*like*™. Reproducción fiel de todos los detalles anatómicos con peso real. Consta de pelvis masculina y hueso occipital. El hueso occipital y el atlas son desmontables.

- Excelente uso como sustituto de los huesos reales
- El modelo de la columna vertebral viene fabricado con una alta calidad™ y tan elástico como en la vida real
- Reproducción original de todos los detalles anatómicos y con el peso real
- Constituido en la pelvis masculina y hueso occipital
- El hueso occipital y el atlas, se pueden separar individualmente de la columna vertebral

El soporte se vende por separado, consulte 1000132 en la página 34 para añadirlo a su pedido.

85 cm; 1,5 kg 1000157





¡EXCELENTE SUSTITUTO DE LA ESPINA DORSAL HUMANA!



3B SMART ANATOMY

COLUMNA VERTEBRAL PEDIÁTRICA EN CALIDAD 3B BONE*like*™

Este modelo realista de la columna vertebral de un niño de alrededor de 5 años es especialmente interesante para la anatomía, la pediatría, la ortopedia y la radiología pediátrica. Gracias al material único con el que se ha fabricado apenas se diferencia de una columna vertebral natural. La columna vertebral flexible se presenta montada sobre una base con hueso occipital, pelvis, sacro y coxis. Asimismo reproduce la médula espinal del conducto vertebral con cauda equina y el nacimiento de las raíces nerviosas. El modelo permite estudiar de forma sorprendente el estadio característico del crecimiento óseo correspondiente a la etapa de crecimiento de un niño de 5 años de edad.

Es particularmente útil en el estudio de las fases del crecimiento óseo:

- Las vértebras y los arcos vertebrales están desarrollados parcialmente incompletos.
- El hueso sacro y vértebra sacra en fusión aún incompletas. La fusión comienza en torno a la edad de 15 años.
- Pelvis: Sigue abierta ya que el cartílago de la placa principal está en fase de crecimiento del acetábulo.

La cadera, pubis y el isquión son partes de hueso que aún no están conectados debido al desarrollo inmaduro debido a la joven edad 14–15 años. (Los modelos estan fijados en el soportes base).

1000118

› ¡ MODELOS DE LA COLUMNA VERTEBRAL COMPLETAMENTE FLEXIBLES PARA DEMOSTRACIONES PRÁCTICAS!

COLUMNAS CLÁSICAS

Todos los modelos de la serie clásica son los de más alta calidad, hechos con un material extremadamente resistente para su uso diario. Son anatómicamente correctos, con detalles muy precisos, incluso la de más fina estructura. Montados de forma flexible para obtener demostraciones muy realista.



3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN CLÁSICA*

Modelo de la columna vertebral a bajo precio y muy popular en la educación médica. Pelvis masculina.

74 cm; 1,8 kg 1000121

3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN CLÁSICA CON CABEZAS DE FÉMUR*

Las mismas características que la columna flexible clásico,además de las cabezas de fémur. Pelvis masculina con cabezas de fémur.

83 cm; 2,1 kg 1000122



› COLOREADA PARA SIMPLIFICAR LA ENSEÑAZA. ¡VISIBLE INCLUSO DESDE LA DISTANCIA EN EL AULA!

COLUMNAS DIDÁCTICAS

Las 5 secciones de la columna vertebral aparecen diferenciadas por color:

- 7 vértebras cervicales
- 12 vértebras torácicas
- 5 vértebras lumbares
- Sacro
- Coxis

Utilice esta nueva columna vertebral para educar a los pacientes de manera simplificada o para dar lecciones en una aula donde los colores didácticos pueden ayudar a seguir la explicación, aún a distancia.

Otras características de la serie Didáctica de las columnas que incluyen:

- Placa occipital
- Montaje totalmente flexible para demostraciones
- Hernia de disco entre la 3ª y 4ª vértebra lumbar
- Salida de las raíces nerviosas
- Arterias vertebrales
- Colores didácticos
- Pelvis masculina

3B SMART ANATOMY COLUMNA DIDÁCTICA FLEXIBLE* *(no ilustrado)*

Pelvis masculina

74 cm; 1,9 kg 1000128



♂

3B SMART ANATOMY

COLUMNA DIDÁCTICA FLEXIBLE CON CABEZAS DE FÉMUR*

Pelvis masculina con cabezas de fémur

82 cm; 2,1 kg 1000129



3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN CLÁSICA CON PELVIS FEMENINA*

Esta versión viene con la pelvis femenina incluida.

74 cm; 1,8 kg 1000124

Músculos pintados



3B SMART ANATOMY

COLUMNA FLEXIBLE VERSIÓN CLÁSICA PINTADA

CON CABEZAS DE FÉMUR Y DEMONSTRACIÓN DE MÚSCULOS*

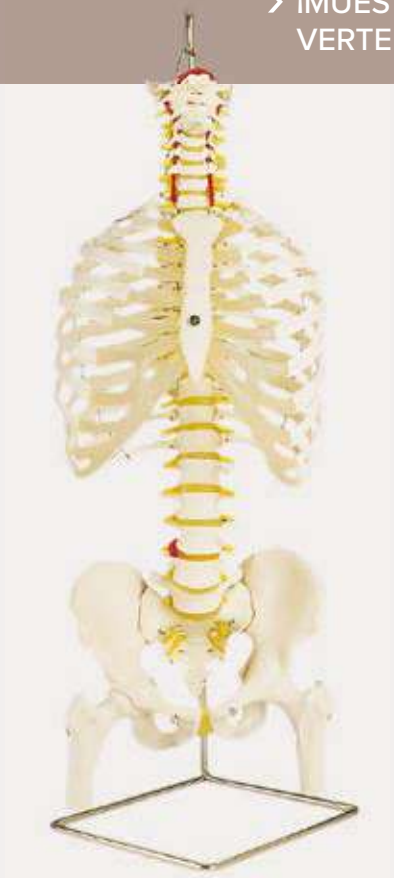
Las columnas pintadas agregan una nueva dimensión para realizar demostraciones. Las inserciones musculares (azul) y el origen de los músculos (rojo) están pintados en el innominado izquierdo, fémur y vértebras.

- Pelvis masculina
- Orígenes e inserciones del lado izquierdo, músculos pintados, fémur y vértebras

83 cm; 2,1 kg 1000123



› ¡MUESTRA LA CONEXIÓN E INTERACCIÓN DE LA COLUMNA VERTEBRAL CON LAS COSTILLAS INDIVIDUALES!



3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN CLÁSICA CON COSTILLAS Y CABEZAS DE FÉMUR*

Este modelo muestra la interacción entre la columna, costillas y las estructuras asociadas.

Este modelo de la serie de la caja torácica incluye las siguientes características:

- Costillas, cabezas de fémur montadas de forma movible
- Caja torácica completa con las costillas montados individualmente
- Placa occipital
- Montaje totalmente flexible para demostraciones
- Hernia de disco entre la 3ª y 4ª vértebra lumbar
- Salida de las raíces nerviosas
- Arterias vertebrales
- Pelvis masculina

83 cm; 3 kg 1000120

*Los soportes se venden por separado. Por favor, consulte la página 34 para más detalles.

› ¡ESPECIAL MONTAJE CON NÚCLEO FLEXIBLE QUE AÑADE ESTABILIDAD PARA EL USO DE PRÁCTICAS!

COLUMNAS ALTAMENTE FLEXIBLES

Columna flexible para uso intensivo. ¡Es tan robusta que probablemente no necesitará nunca más otra columna vertebral! El montaje especial sobre una vara flexible garantiza una extrema estabilidad. Ideal para un uso activo regular.

Características de la serie de columnas clásicas que incluyen:

- Placa occipital
- Montaje totalmente flexible para demostraciones explicitas
- Hernia de disco entre la 3ª y 4ª vértebra lumbar
- Salida de las raíces nerviosas
- Arterias vertebrales
- Pelvis masculina



Los discos se deforman bajo presión al flexionar la columna vertebral



3B SMART ANATOMY

COLUMNA FLEXIBLE PARA USO INTENSIVO,

CON CABEZAS DE FÉMUR*

83 cm; 2,3 kg	1000131

3B SMART ANATOMY
COLUMNA FLEXIBLE PARA USO INTENSIVO
(no ilustrado)*

Pelvis masculina

74 cm; 1,4 kg	1000130

3B SMART ANATOMY

COLUMNA FLEXIBLE, CON DISCOS INTERVERTEBRALES SUAVES

Los discos suaves brindan mayor realismo. Esta columna única muestra cómo se deforman los discos durante una posición normal y anormal. Utilícela para demostrar una cantidad de condiciones patológicas tales como escoliosis, lordosis, cifosis o subluxaciones. La formación de una hernia se puede demostrar con compresión. Además, el soporte especial permite ver el modelo de manera despejada durante la demostración y presentación. Incluye duramadre espinal y nervios vertebrales. Con soporte desmontable.

26 x 25 x 90 cm; 3 kg	1008545

› LA APLICACIÓN 3B SMART ANATOMY VIENE GRATIS CON CADA MODELO ANATÓMICO DE 3B SCIENTIFIC. PARA MÁS INFORMACIÓN, CONSULTE LA PÁGINA 4.

› ¡ PARA LOS ESTUDIOS MÁS AVANZADOS, INCLUYE EL SACRO ABIERTO Y UN TRONCO CEREBRAL VISIBLE!

COLUMNAS AVANZADAS

Además de todas las opciones que hay en la Serie de la Columna Vertebral, versión Clásica, nuestra versión de Lujo tiene el sacro abierto y expone el tallo cerebral para realizar estudios avanzados.

Características de la serie de columnas clásicas que incluyen:

- Apertura del sacro y tronco cerebral visible
- Ideal para un uso activo regular, como en colegios
- Placa occipital
- Montaje totalmente flexible para demostraciones explicitas
- Hernia de disco entre la 3ª y 4ª vértebra lumbar
- Salida de las raíces nerviosas
- Arterias vertebrales
- Pelvis masculina



3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN DE LUJO CON CABEZAS DE FÉMUR*

Pelvis masculina con cabezas de fémur

83 cm; 2,1 kg	1000126

3B SMART ANATOMY
COLUMNA FLEXIBLE – VERSIÓN DE LUJO
(no ilustrado)*

Pelvis masculina

74 cm; 1,8 kg	1000125

3B SMART ANATOMY

COLUMNA FLEXIBLE – VERSIÓN DE LUJO PINTADA CON CABEZAS DE FÉMUR*

- Pelvis masculina con cabezas de fémur
- Las inserciones musculares (azul) y el origen de los músculos (rojo) están pintados en el innominado izquierdo, fémur y vértebras.

83 cm; 2,1 kg	1000127

* Los soportes se venden por separado. Por favor, consulte la página 34 para más detalles.

	COLUMNAS ALTAMENTE FLEXIBLES			COLUMNAS CLÁSICAS				COLUMNAS DIDÁCTICAS	
No de cat.	1008545	1000130	1000131	1000123	1000124	1000121	1000122	1000128	1000129
Página	32	32	32	31	31	30	30	30	30
Molde natural de alta calidad	✓	✓	✓	✓	✓	✓	✓	✓	✓
Montaje final hecho a mano	✓	✓	✓	✓	✓	✓	✓	✓	✓
Duradero, irrompible material sintético	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tamaño natural	✓	✓	✓	✓	✓	✓	✓	✓	✓
Discos intervertebrales blandos	✓	✓	✓	✓	✓	✓	✓	✓	✓
L3-L4 hernia discal	–	✓	✓	✓	✓	✓	✓	✓	✓
Altamente flexible	✓	✓	✓	–	–	–	–	–	–
Columna flexible	✓	✓	✓	✓	✓	✓	✓	✓	✓
Inserciones musculares y orígenes pintados a mano	–	–	–	✓	–	–	–	–	–
Vasos y nervios espinales	✓	✓	✓	✓	✓	✓	✓	✓	✓
Movimiento natural de cadera	–	–	✓	✓	–	–	✓	–	✓
Pelvis masculina	✓	✓	✓	✓	–	✓	✓	✓	✓
Pelvis femenina	–	–	–	–	✓	–	–	–	–
Con caja torácica	–	–	–	–	–	–	–	–	–
Con cabezas de fémur	–	–	✓	✓	–	–	✓	–	✓
Material 3B BONE*like*™	–	–	–	–	–	–	–	–	–
3B SMART ANATOMY	✓	✓	✓	✓	✓	✓	✓	✓	✓

VERSIÓN MINIATURAS

ANATÓMICAMENTE PRECISO Y FLEXIBLE ¡A UN TAMAÑO PERFECTO PARA SU ESCRITORIO O COMO REGALO!

3B SMART ANATOMY

COLUMNA VERTEBRAL MINIATURA, ELÁSTICA

Modelo con escama del occipital y pelvis. La columna vertebral está montada de forma elástica y, por lo tanto, permite enseñar movimientos naturales y alteraciones patológicas.

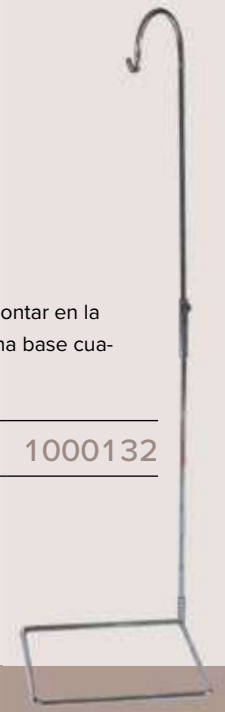


Entregado sin soporte: 40 cm	1000042
Incluye soporte: 44 cm	1000043

SOPORTE MULTIFUNCIONAL PARA LA COLUMNA VERTEBRAL, 3 PIEZAS

(Esqueleto no incluido)

Para colocar en el suelo o para montar en la pared. Mide 86 cm de altura enuna base cuadrada de 24 cm.



86 cm; 0,75 kg	1000132

COLUMNAS AVANZADAS			COLUMNA CLÁSICA CON CAJA TORÁCICA	COLUMNAS 3B BONE*like*™		VERSIÓN MINIATURA DE LA COLUMNA	
1000126	1000127	1000125	1000120	1000118	1000157	1000042	1000043
33	33	33	31	29	29	34	34
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	–	–
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	–	–	–	–
–	–	–	–	–	–	–	–
✓	✓	✓	✓	–	✓	✓	✓
–	✓	–	–	–	–	–	–
✓	✓	✓	✓	–	–	✓	✓
✓	✓		✓	–	–	–	–
✓	✓	✓	✓	–	✓	✓	✓
–	–	–	–	–	–	–	–
–	–	–	✓	–	–	–	–
✓	✓	–	✓	–	–	–	–
–	–	–	–	✓	✓	–	–
✓	✓	✓	✓	✓	✓	✓	✓



LA COLUMNA VERTEBRAL ANATOMÍA Y PATOLOGÍA

Impreso en papel para impresión de ilustraciones de alta calidad (de 200 g). Con laminación por las dos caras (75 micrones) y ojillos de metal. Formato póster muy práctico.

Laminado. 50 x 67 cm **1001811**



MUY ROBUSTO

› LA SELECCIÓN COMPLETA DE CARTELES EDUCATIVOS MÉDICOS ESTÁ DISPONIBLE EN LÍNEA EN 3BSCIENTIFIC.COM

› MODELOS DE ESQUELETO DE LA PELVIS

+ Moldes naturales
+ Extremadamente detallada
+ Hecho de plástico prácticamente irrompible

3B SMART ANATOMY

ESQUELETO DE LA PELVIS, MASCULINO



Consta de los huesos de la cadera, el sacro con coxis y 2 discos lumbares, con sínfisis móvil.

18 x 28 x 23 cm; 0,8 kg 1000133

3B SMART ANATOMY

ESQUELETO DE LA PELVIS, FEMENINO

Consta de los huesos de la cadera, el sacro con coxis y 2 discos lumbares, con sínfisis móvil.

19 x 25 x 10 cm; 0,9 kg 1000134





3B SMART ANATOMY

ESQUELETO DE LA PELVIS, FEMENINO, CON CABEZAS DE FÉMUR MÓVILES

Consta de los huesos de la cadera, el sacro con coxis y 2 discos lumbares, con sínfisis móvil.

30 x 30 x 20 cm; 1,2 kg 1000135

3B SMART ANATOMY

LOS MODELOS DE 3B SCIENTIFIC® “BUNGEE” PÉLVICOS

están fabricados del modelo de una pelvis femenina. Todos los huesos están montados flexiblemente y pueden ser desmontados. Disponible con o sin huesos de fémur. Estos modelos muestran perfectamente las articulaciones de pelvis. Altamente recomendable para educación de pacientes así como para matronas y áreas de Obstetricia, Ginecología y Ortopedía.





3B SMART ANATOMY
PELVIS FEMENINA FLEXIBLE CON CABEZAS DE FÉMUR

1019865

3B SMART ANATOMY
PELVIS FEMENINA FLEXIBLE

1019864

¡IDEAL PARA EL AULA O LA OFICINA DEL DOCTOR!





3B SMART ANATOMY

PELVIS MASCULINA, 2 PIEZAS

Este modelo en forma de corte mediano presenta todas las estructuras importantes de la pelvis. Una mitad de los órganos genitales con la vejiga y el recto es desmontable para los estudios en detalle. Sobre tabla para montar en la pared.

41 x 31 x 17 cm; 2,5 kg 1000282





3B SMART ANATOMY

PELVIS FEMENINA, 2 PIEZAS

Este modelo en forma de corte mediano presenta todas las estructuras importantes de la pelvis. Una mitad de los órganos genitales con la vejiga y el recto es desmontable para los estudios en detalle. Sobre tabla para montar en la pared.

41 x 31 x 20 cm; 2,2 kg 1000281

¡FABRICADO EN UN MATERIAL DURADERO Y CON VINILLO SUAVE!

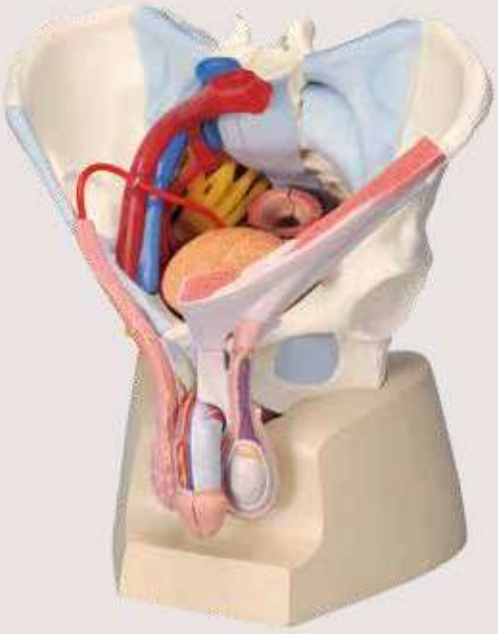
3B SMART ANATOMY

ESQUELETO DE LA PELVIS FEMENINA CON ÓRGANOS GENITALES, EN 3-PIEZAS

Este modelo es especialmente adecuado para estudiar la posición de los órganos genitales femeninos en la pelvis. Consiste de pelvis femenina con sínfisis desmontable, el hueso de la cadera, el sacro, el coxis, 2 vértebras lumbares y un inserto genital femenino con el recto. El útero y la vejiga son desmontables. Se suministra sobre un tablero.

33 x 26 x 18 cm; 2 kg 1000335





3B SMART ANATOMY

PELVIS MASCULINA CON LIGAMENTOS, VASOS, NERVIOS, SUELO PÉLVICO Y ÓRGANOS, 7 PIEZAS

Este modelo de 7 piezas de la pelvis masculina nos muestra con gran fidelidad de detalles la relación espacial de los huesos, ligamentos, vasos y nervios, así como la musculatura del suelo pélvico y los órganos externos de la pelvis y gónadas masculinas. Muestra al completo el suelo pélvico, que ha sito cortado por un corte mediano. La porción de la derecha del esfínter anal externo, del M. isquiocavernoso, de los Mm. transversos profundo y superficial del perineo y del músculo bulboesponjoso pueden retirarse unidos.

21 x 28 x 31 cm; 3,12 kg 1013282





3B SMART ANATOMY

PELVIS MASCULINA CON LIGAMENTOS, 2 PIEZAS

Este modelo de pelvis masculina se ha creado a partir de un modelo tomado de una pelvis masculina real. Muestra todas las estructuras anatómicas con todo detalle: ambos huesos coxígeos, la sínfisis pélvica, el sacro y el coxis, así como la quinta vértebra lumbar. Se ha realizado un corte medial a lo largo de la quinta vértebra pélvica, a lo largo del cual se puede separar la pelvis en dos mitades gracias a un sistema de imanes. Así también se hace visible una porción de la cauda equina dentro de la columna vertebral.

19 x 28 x 24,5 cm; 1,66 kg 1013281



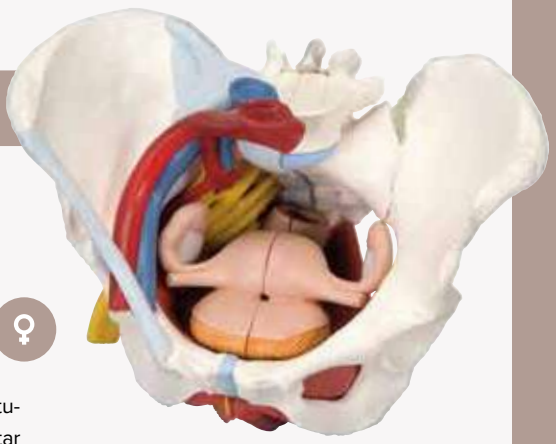
3B SMART ANATOMY

PELVIS MASCULINO DE 3 PIEZAS

Como 1013281 pero sin los ligamentos.

19 x 28 x 24,5 cm; 1,35 kg 1013026

› ¡EL MODELO DE LA PELVIS FEMENINA!



Vista muy ampliada de la musculatura pélvica

3B SMART ANATOMY

LA PELVIS FEMENINA CON LIGAMENTOS, VASOS, 6 PIEZAS

Este modelo de la pelvis femenina muestra la topografía de los huesos, ligamentos, vasos, nervios, músculos de la pelvis y los órganos genitales femeninos en tamaño natural. Hace sencilla la comprension de la anatomía de la pelvis femenina! Se pueden quitar y desmontar en dos mitades: El recto, útero con las trompas de falopio, ovarios y vagina. La pelvis se pueden montar a través de una sección sagital media (quinta vértebra lumbar, sacro y coxis) mostrando una parte de la cauda equina en el canal vertebral.

- 360 ° vista sobre todo el suelo pélvico
- Unido por imanes para demostraciones rápidas
- Hace que el estudio de las áreas anatómicas más complejas sea sencillo.

19 x 27 x 19 cm; 1,6 kg **1000288**



3B SMART ANATOMY

PELVIS FEMENINA CON LIGAMENTOS, 4-PARTES,

CON SECCIÓN MEDIA SAGITAL A TRAVÉS DE LOS MÚSCULOS DEL PISO PÉLVICO

Este modelo de cuatro partes de una pelvis femenina presenta información detallada sobre la topografía de los huesos, ligamentos, músculos del piso pélvico y órganos pélvicos femeninos. La mitad derecha del modelo muestra los huesos con los ligamentos pélvicos. Además, la mitad izquierda de la pelvis contiene los músculos del piso pélvico incluyendo el levator ani, el isquiocavernoso, los músculos transversos profundo y superficial del periné, el esfínter anal externo y el esfínter uretral externo. Un músculo bulboesponjoso parcialmente extraíble muestra el bulbo vestibular y la glándula de Bartholin.

19 x 27 x 19 cm; 1,3 kg **1000287**



3B SMART ANATOMY

PELVIS FEMENINA CON LIGAMENTOS, 3-PARTES

Modelo en tres piezas que representa un modelo original de la estructura ósea de una pelvis femenina, mostrando todos los detalles de las estructuras anatómicas: dos huesos ilíacos, la sínfisis púbica, el sacro y el coxis, la quinta vértebra lumbar con el disco intervertebral. Una sección media sagital a través de la quinta vértebra lumbar, sacro y coxis, permite desmontar las dos mitades de la pelvis, mostrando una parte de la cauda equina en el canal vertebral.

19 x 27 x 19 cm; 1 kg **1000286**



3B SMART ANATOMY

PELVIS FEMENINA DE 3 PIEZAS

19 x 27 x 19 cm; 0,9 kg; sin ligamentos **1000285**

› ¡TODOS LOS MODELOS DE CRÁNEO HUMANO DE 3B SCIENTIFIC® HAN SIDO FABRICADOS DESDE ESPECÍMENES REALES, GARANTIZANDO LOS MÁS REALISTAS DETALLES Y DE PRECISIÓN ANATÓMICA! OBSERVARÁ LAS ESTRUCTURAS MÁS PEQUEÑAS EN ESTOS MODELOS, SON MUY DURADEROS Y HECHOS PARA EL USO DIARIO.

+ Detalle y precisión anatómica.
+ Dentición realista
+ Material duradero, no tóxico
+ Fabricado para su uso diario

Conectores magnéticos para realizar presentaciones de manera sencilla y práctica



MODELOS DE CRÁNEOS

Otras características de todos los modelos de la serie del cráneo clásicos incluyen:

- Representación de alta precisión de surcos, orificios, los procesos, las suturas etc.
- La mandíbula está montado con un muelle para demostrar fácilmente el movimiento natural.
- Dentición realista fundido.
- Alta calidad original. Hecha a mano con un plástico irrompible.

Detalles superficiales





¡DETALLES REALISTAS!

3B SMART ANATOMY

CRÁNEO CLÁSICO, 3 PARTES

La Versión de cráneo estándar 3 partes es una excelente opción para estudiar la anatomía básica. También como un regalo atractivo para un médico. La tapa del cráneo puede ser desmontada, la base del cráneo y la mandíbula.

20 x 13,5 x 15,5 cm; 0,6 kg — 1020159





Pintado a mano

3B SMART ANATOMY

CRÁNEO CLÁSICO, 3 PARTES

Cráneo con presentación en color de las suturas craneales.

- Reproducción muy exacta del cráneo humano
- Fabricado y terminado manualmente con un material resistente e irrompible
- Representación muy exacta de surcos, orificios, apófisis, suturas y otros
- Desmontable en Bóveda del cráneo, Base del cráneo y Mandíbula

20 x 13,5 x 15,5 cm; 0,7 kg — 1020165

3B SMART ANATOMY

CRÁNEO CLÁSICO, PINTADO, 3 PARTES

El origen (rojo) y las inserciones (azul) musculares están pintadas en la parte izquierda del cráneo. El cráneo denomina más de 140 detalles anatómicos.

20 x 13,4 x 15 cm; 0,7 kg — 1020168



3B SMART ANATOMY

CRÁNEO CLÁSICO CON CEREBRO, 8 PARTES

Es una gran herramienta de enseñanza para demostrar el posicionamiento del cerebro dentro del cráneo. La parte del cerebro está divida en sagital medio y esta realizado a partir de una muestra original para la precisión anatómica y detalle.

Su mitad izquierda es desmontable en:

- Lóbulos frontales y parietales
- Lóbulos temporales y occipitales
- Tronco encefálico
- Cerebelo

20 x 13,5 x 15,5 cm; 1,1 kg **1020162**



¡Muestre las funciones de músculos de la masticación!

3B SMART ANATOMY

CRÁNEO FUNCIONAL CON MUSCULATURA PARA LA MASTICACIÓN, 2 PARTES

Ideal para la educación de los pacientes, la enseñanza en el ámbito de la salud, el estudio de la anatomía y como herramienta visual para fines médico-legales. Los músculos para la masticación (M. masetero, M. temporal, M. pterigoideo interno y externo) están representados en forma de bandas elásticas. Con este modelo, usted puede demostrar la función de la musculatura para la masticación con la mandíbula cerrada y abierta, así como los movimientos mandibulares hacia los lados y hacia delante.

20 x 13,5 x 15,5 cm; 0,7 kg **1020169**



3B SMART ANATOMY

CRÁNEO CLÁSICO CON MANDÍBULA ABIERTA, DESMONTABLE, 3 PARTES

Este cráneo dental posee una mandíbula que permite visualizar las raíces dentales con sus vasos y nervios. Las suturas craneales están representadas con colores, así como los vasos de las meninges y los senos venosos.

20 x 13,5 x 15,5 cm; 0,7 kg **1020166**



3B SMART ANATOMY

CRÁNEO CLÁSICO CON MANDÍBULA ABIERTA, PINTADO, 3 PARTES

Origen (rojo) e inserciones (azul) musculares representadas en la parte izquierda del modelo.

- Reproducción muy exacta del cráneo humano
- Fabricado y terminado manualmente con un material resistente e irrompible
- Representación muy exacta de surcos, orificios, apófisis, suturas y otros
- Desmontable en bóveda del cráneo, base del cráneo y mandíbula

20 x 13,5 x 15,5 cm; 0,7 kg **1020167**

MODELOS DE CRÁNEO HUMANO SOBRE COLUMNA CERVICAL, 4 PIEZAS

Montaje flexible sobre la columna cervical (C1, C2 y C7 coloreados en la versión didáctica) para mostrar más claramente la relación. Para completar la presentación, los modelos también muestran el romboencéfalo, la médula espinal, los nervios espinales de la columna cervical, las arterias vertebrales, la arteria basilar y las arterias cerebrales posteriores.

Fabricado según las normas de calidad más exigentes:

- Modelo anatómicamente preciso de cráneo humano real
- Hecho a mano en plástico extremadamente resistente y no tóxico
- Representación precisa de las fisuras, forámenes, procesos y suturas
- Conectores magnéticos: fácilmente desmontable en calota, base del cráneo y mandíbula

¡La manera más efectiva de aprender: con la práctica del apoyo visual!



3B SMART ANATOMY
MODELO DE CRÁNEO HUMANO DIDÁCTICO SOBRE COLUMNA CERVICAL, 4 PIEZAS

Este modelo didáctico de cráneo emplea 19 colores diferenciados para representar las formas y las relaciones de las placas óseas del cráneo. Montado sobre una base.

17,5 x 17,5 x 30 cm; 0,6 kg 1020161

3B SMART ANATOMY
MODELOS DE CRÁNEO HUMANO SOBRE COLUMNA CERVICAL, 4 PIEZAS

Montado sobre una base.

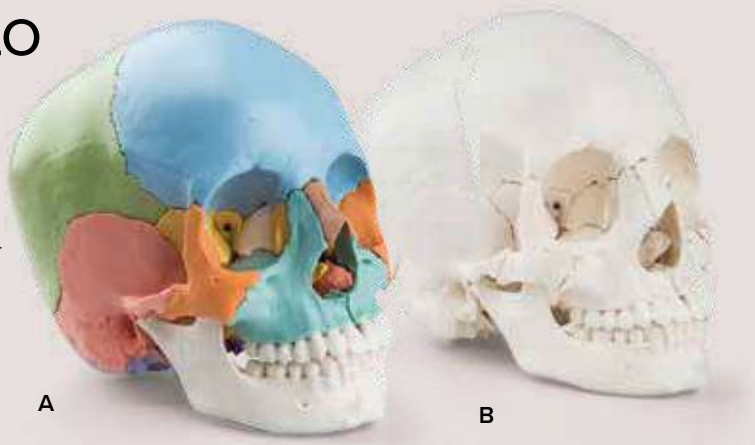
20 x 13,5 x 15,5 cm; 0,6 kg 1020160

MODELOS DE CRÁNEO HUMANO ADULTO ESTILO BEAUCHENE, 22 PIEZAS

El cráneo humano está formado de numerosos huesos individuales que se van uniendo a medida que avanza el desarrollo. El kit de cráneo humano es un modelo realista que facilita la comprensión de las estructuras anatómicas complejas del cráneo.

Los cráneos se pueden desmontar en los 22 huesos siguientes:

- Hueso parietal (izquierdo y derecho)
- Caja torácica a la vista
- Hueso occipital
- Hueso frontal
- Hueso temporal (izquierdo y derecho)
- Hueso esfenoides
- Hueso etmoides Tracto
- Hueso vómer
- Hueso cigomático (izquierdo y derecho)
- Mandíbula superior (maxilla) con dientes (lados izquierdo y derecho)
- Hueso palatino (izquierdo y derecho)
- Cuenca nasal (izquierda y derecha)
- Hueso lagrimal (izquierdo y derecho)
- Hueso nasal (izquierdo y derecho)
- Mandíbula inferior (mandíbula) con dientes



3B SMART ANATOMY
A. MODELO DE CRÁNEO HUMANO ADULTO ESTILO BEAUCHENE – PINTURA DIDÁCTICA, 22 PIEZAS

Los 22 huesos se presentan de manera didáctica en 9 colores distintos para facilitar la distinción de cada uno de los huesos.

21 x 14 x 16 cm; 0,7 kg 1000069

3B SMART ANATOMY
B. CRÁNEO DESMONTABLE 3B SCIENTIFIC® – VERSIÓN ANATÓMICA, EN 22 PARTES

Versión didáctica, pero en color hueso natural.

21 x 14 x 16 cm; 0,7 kg 1000068



3B SMART ANATOMY

CRÁNEO DE DEMOSTRACIÓN DE LUJO, 10 PARTES

Esta reproducción del cráneo humano es de una calidad extraordinaria. La bóveda del cráneo es desmontable, la base del cráneo está seccionada por la mitad. Las aberturas están en el seno frontal, la lámina perpendicular y el vómer, a través de las cuales se pueden contemplar la parte lateral de la nariz y el seno esfenoidal. En la mitad izquierda se puede sacar el hueso temporal y abrir la zona de la membrana del tímpano. El maxilar y la mandíbula están abiertos, de manera que los nervios alveolares resultan visibles. En el lado derecho, el hueso temporal está abierto y muestra el seno sigmoideo, el trayecto del nervio facial y los conductos semicirculares. Otras aberturas se encuentran en el seno maxilar y en la mitad derecha de la mandíbula, de forma que resultan visibles las raíces de los premolares y molares de la mandíbula. La oclusión natural y la posibilidad de sacar y poner cada uno de los dientes, hacen que este modelo de cráneo tenga un interés especial para los dentistas.

28 x 22,5 x 18,5 cm; 1,5 kg — 1000059



3B SMART ANATOMY

CRÁNEO NEUROVASCULAR

Cráneo de tamaño natural de un adulto con siete vértebras cervicales, sobre un soporte. Las arterias están en un lado, los nervios en el otro lado. Al levantar la bóveda del cráneo se pueden observar los principales nervios y arterias de la base del cráneo. También están representados los doce pares craneales y sus ramificaciones.

17 x 16 x 30 cm; 1,3 kg — 1005108



3B SMART ANATOMY

CRÁNEO CON MÚSCULOS FACIALES

Modelo básico del cráneo con musculatura facial. En la mitad derecha del cráneo de este modelo están representadas la musculatura de la cara y de la masticación. Gracias a que se han empleado dos tonalidades diferentes podemos diferencial fácilmente la musculatura de la cara de la de la masticación. En la mitad izquierda del cráneo se han marcado de forma muy evidente los orígenes e inserciones musculares (origen: rojo, inserción: azul). La mandíbula es móvil y gracias a que la musculatura es flexible se pueden mostrar los movimientos de la masticación. La parte superior del cráneo y el músculo masetero son desmontables.

18 x 18 x 25 cm; 1,08 kg — 1020181



3B SMART ANATOMY

3B BONE*like*™ CRÁNEO – CRÁNEO DIDÁCTICO DE LUJO, 7 PARTES

Este cráneo extraordinario y de gran valor aclara todas las dudas anatómicas. La posibilidad de conocer las estructuras en la mitad transparente del cráneo y los huesos en la mitad ósea, hace que este cráneo tenga un elevado interés didáctico. En la mitad derecha transparente del cráneo se puede reconocer desde fuera la ubicación de los senos paranasales, que están coloreados para diferenciarlos: seno maxilar (amarillo), células etmoidales (naranja), seno frontal (verde), seno esfenoidal (violeta). También están representados con colores los senos sanguíneos, así como las arterias del cuello y de la cara: seno de la duramadre (azul), A. carótida primitiva, B. carótida externa, C. carótida interna y la rama de la D. meníngea (rojo). Una mitad del cerebro, visible también a través de la bóveda del cráneo, muestra las zonas relacionadas con el cerebro y el curso de los senos. A través de los maxilares transparentes se ven los dientes y sus raíces. Los dientes se pueden sacar uno a uno. La mandíbula es movible para mostrar los movimientos de masticación. El cráneo está montado sobre la columna vertebral cervical y desmontable en ambos lados de la bóveda del cráneo, la mitad izquierda de la base del cráneo, el tabique nasal, la mandíbula completa y la mitad del cerebro.

18 x 18 x 34 cm; 0,86 kg **1000064**

3B SMART ANATOMY

3B BONE*like*™ CRÁNEO – CRÁNEO COMBINADO TRANSPARENTE/HUESOS, 8 PARTES



La combinación de una mitad de cráneo transparente y otra mitad ósea posibilita que los estudiantes de anatomía tengan una representación topográfica de las estructuras, que en otros modelos de cráneo no son visibles. La mitad derecha del cráneo, que es transparente, facilita el estudio de los detalles anatómicos fundamentales, como la ubicación de los senos paranasales.

16 x 14 x 20,5 cm; 0,54 kg **1000063**

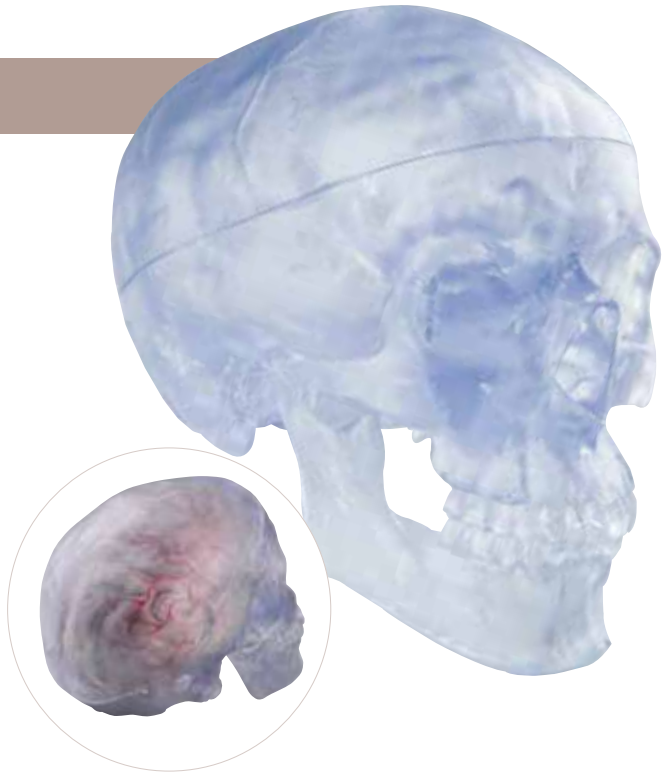
3B SMART ANATOMY

3B BONE*like*™ CRÁNEO – CRÁNEO ÓSEO, 6 PARTES



Esta versión muestra un cráneo completo dividido sagitalmente por la mitad. Se desmonta en ambas mitades de la bóveda craneal y de la base del cráneo, el tabique nasal, así como todo el maxilar inferior. Para la demostración de los movimientos de masticación, la mandíbula está montada para tener movilidad. Este modelo de cráneo está indicado para el estudio de las estructuras óseas y de la anatomía compleja del cráneo humano.

16 x 13,5 x 20,5 cm; 0,5 kg **1000062**



Puede insertar un celebro (no incluido)



3B SMART ANATOMY

CRÁNEO CLÁSICO TRANSPARENTE, 3 PARTES

Este cráneo único es de gran utilidad para el estudio de las estructuras internas, que sólo son visibles a través de las radiografías.

- Reproducción muy exacta del cráneo humano
- Fabricado y terminado manualmente con un material resistente e irrompible
- Representación muy exacta de surcos, orificios, apófisis, suturas y otros
- Desmontable en Bóveda del cráneo, Base del cráneo y Mandíbula

El cerebro clásico de 5 partes puede ser insertado en el cráneo.
Ver página 66 para mas detalles.

20 x 13,5 x 15,5 cm; 0,6 kg 1020164



3B SMART ANATOMY

CRÁNEO DE FETO

Vaciado natural de un cráneo fetal en la semana 30 de embarazo.Enviado con su soporte.

18,5 x 14,5 x 14 cm; 0,2 kg 1000058

3B SMART ANATOMY
CRÁNEO DE FETO, NO INCLUYE SOPORTE
(no ilustrado)

14 x 9 x 9 cm; 0,15 kg 1000057



3B SMART ANATOMY

CRÁNEO MINIATURA, EN 3 PARTES

Nuestro cráneo miniatura que representa exactamente y con fidelidad de detalles las estructuras anatómicas, es desmontable en calota craneal, base craneal y mandíbula.

10 x 8 x 8 cm; 0,1 kg 1000041



› VEA LAS FUNCIONES DIGITALES ADICIONALES QUE 3B SMART ANATOMY LE OFRECE - DETALLES EN LA PÁGINA 4.



♂

3B SMART ANATOMY

FIGURA MUSCULAR MASCULINA DE TAMAÑO NATURAL, DESMONTABLE EN 37 PIEZAS

Este modelo sofisticado muestra la musculatura profunda y superficial con gran detalle. La extraordinaria precisión convierte esta pieza maestra en una herramienta única para impartir instrucciones aún en aulas de conferencias grandes.

Las siguientes piezas son desmontables y se pueden estudiar detalladamente:

- Cubierta del cráneo
- Cerebro de 6 piezas
- Globo ocular
- Cubierta de senos y estómago
- Ambos brazos
- Laringe de 2 piezas
- 2 pulmones
- Corazón de 2 piezas
- Diafragma
- Estómago de 2 piezas
- Hígado con vesícula biliar
- Riñón
- Sistema intestinal completo
- Mitad de la vejiga
- Pene de 2 piezas
- 10 músculos (Cada uno 3 músculos del brazo y de la pierna, 2 músculos pectorales, esternocleidomastoideo y glúteo mayor)

180 x 110 x 50 cm; 53 kg **1001235**





Órganos desmontables



3/4 DEL TAMAÑO NATURAL

3B SMART ANATOMY

FIGURA CON MÚSCULOS DE DOBLE SEXO, DESMONTABLE EN 45 PIEZAS

Esta es la herramienta de enseñanza más fina disponible! Con una altura mayor de 4,5 pies / 138 cm, esta réplica humana de 3/4 del tamaño natural muestra con detalle la musculatura profunda y superficial además de los principales nervios, vasos, tejidos y órganos del cuerpo. La figura se puede desmontar en 45 piezas para revelar las interrelaciones fundamentales de la morfología humana. Retire la tapa del cráneo para ver el cerebro en 3 piezas desmontables. Mire debajo del hígado para revelar la vesícula biliar y el conducto biliar. Observe dentro del apéndice, estómago, pulmones, corazón o riñón. Retire y vea los detalles de 13 músculos diferentes de los brazos y las piernas. Esta versión de doble sexo tiene insertos genitales intercambiables y una glándula mamaria femenina. Visite 3bscientific.com para mas informacion y el manual de manejo.

Incluye las siguientes partes desmontables:

- 5 músculos del brazo/hombro
- 8 músculos de la pierna/cadera
- Cabeza de 5 piezas con cerebro
- Pulmones de 2 piezas
- Corazón de 2 piezas
- Estómago de 2 piezas
- Sistema intestinal de 2 piezas
- Insertos genitales femeninos de 2 piezas y masculinos de 4 piezas
- Cubierta de senos y estómago desmontable, cabeza, brazos y piernas para realizar estudios detallados

138 x 50 x 32 cm; 12,4 kg **1013881**

3B SMART ANATOMY
FIGURA FEMENINA CON MÚSCULOS, DESMONTABLE EN 23 PIEZAS *(no ilustrado)*

La figura muscular femenina posee las mismas características que el modelo bisexuado, pero se entrega sin los órganos internos, el cerebro y los genitales masculinos. La figura puede desarmarse en 23 partes. Más de 400 estructuras anatómicas.

Pintada a mano y montada en un práctico soporte con ruedas, esta figura muscular femenina incluye las siguientes partes desmontables:

- 5 músculos del brazo y el hombro
- 8 músculos de la pierna y la cadera
- Pared torácica y abdominal, cabeza, un brazo y una pierna extraíbles para una vista detallada

138 x 45 x 32 cm; 11,2 kg **1013882**





3B SMART ANATOMY

FIGURA COMPLETA DE DOBLE SEXO

CON MÚSCULOS, CON ÓRGANOS INTERNOS, DESMONTABLE EN 33 PIEZAS

La anatomía humana completa en tamaño original. Esta versión de 84 cm de altura de nuestra figura de lujo con músculos es una perfecta selección para realizar demostraciones completas de la musculatura humana y los órganos internos cuando se carece de mucho espacio. Detallado a mano exquisitamente y completo con 33 piezas desmontables y/o cortables, esta versión representa una alta calidad a un precio económico. Pintado a mano en colores realistas, este modelo viene completo con un soporte y un texto explicativo en diferentes idiomas.

Este modelo incluye:

- 5 músculos del brazo/hombro
- 8 músculos de la pierna/cadera
- Cerebro de 2 piezas
- 2 pulmones
- Corazón de 2 piezas
- Sistema intestinal de 2 piezas
- Insertos genitales femeninos y masculinos de 2 piezas
- Cubierta de senos y estómago desmontable y brazos para realizar estudios detallados
- Y más! Más de 400 estructuras

84 x 30 x 30 cm; 4,95 kg 1019231

3B SMART ANATOMY
FIGURA FEMENINA COMPLETA CON MÚSCULOS, DESMONTABLE EN 21 PIEZAS ***(no ilustrado)***

Version femenina del 1000210. Esta version de 84 cm de altura de nuestra figura de lujo con musculos es una perfecta selección para realizar demostraciones completas de la musculatura humana. Detallado pintado a mano desmontable en 21 piezas y de gran calidad. Viene con soporte y con un texto explicativo.

84 x 30 x 30 cm; 4,1 kg 1019232



3B SMART ANATOMY

FIGURA MUSCULAR,

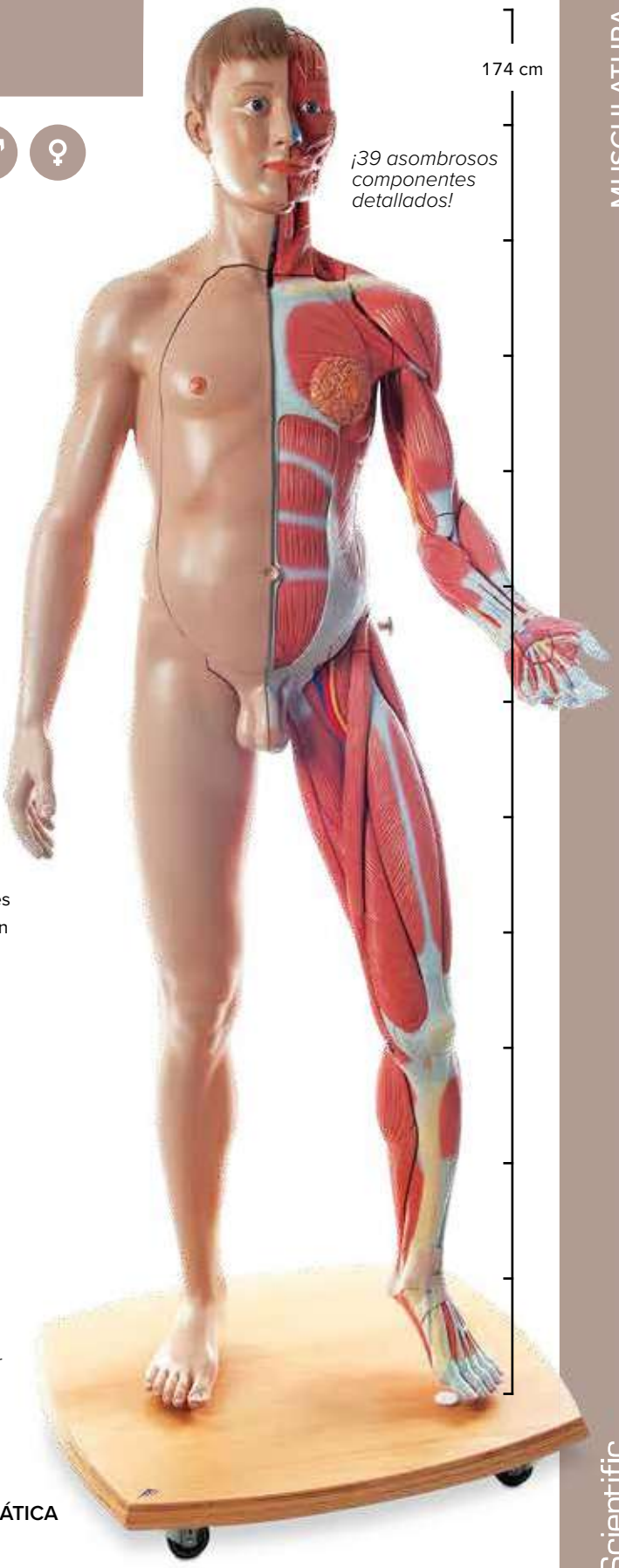
1/3 DE SU TAMAÑO NATURAL

¡Este modelo de músculos en miniatura aumenta su valor! Todos los músculos superficiales de la forma humana son reproducidos con exactitud y detallados en colores de la vida real para revelar los órganos internos y la parte derecha contiene una glándula mamaria femenina. Más de 125 estructuras identificadas y enumeradas manualmente. Sobre soporte.

57 x 25 x 18 cm; 2,1 kg 1000212

3B SMART ANATOMY

3B SCIENTIFIC® FIGURA CORPORAL COMPLETA DE DOBLE SEXO, 39 PARTES



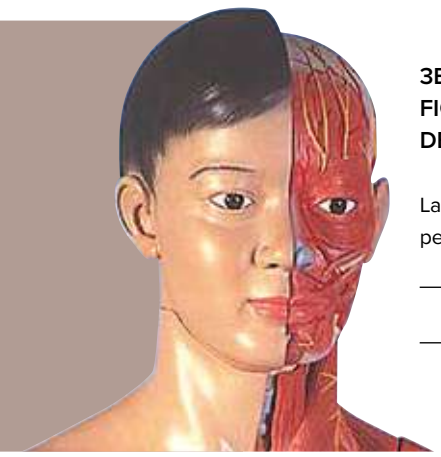
Este modelo de tamaño natural reproduce fielmente las estructuras anatómicas humanas con todo detalle. Por ello es un material didáctico de gran valor para las escuelas superiores de medicina. La mitad derecha muestra la piel y la mitad izquierda muestra la musculatura superficial y profunda con nervios, vasos y estructuras óseas. Este modelo también presenta la reproducción de los órganos internos de forma muy estética y exacta en todos sus lados.

Es desmontable en:

- Cabeza en dos partes
- Hemisferio cerebral
- M. esternocleidomastoideo
- Brazo con músculos, 6 partes (desmontables: M. deltoides, M. bíceps braquial, M. tríceps braquial, M. palmar menor con M. palmar mayor, M. supinador largo con M.radial externo)
- Muslo en 5 partes (desmontables: M. sartorio, M. glúteo mayor, M. recto anterior del muslo, M. bíceps crural cap. l. con M. semitendinoso)
- Pierna en dos partes (desmontable: Ms. gemelos)
- Pared abdominal y torácica con glándulas mamarias desmontables
- Torso con piel en brazo y pierna
- Pulmón en 2 mitades
- Corazón en dos partes
- Hígado con vesícula biliar
- Estómago en dos partes
- Medio riñón
- Paquete intestinal en 4 partes
- Aparato genital femenino con embrión en 3 partes
- Aparato genital masculino en 4 partes

El suministro incluye un soporte desplazable de madera y las instrucciones para construir el modelo.

174 cm; 40,7 kg	1000209

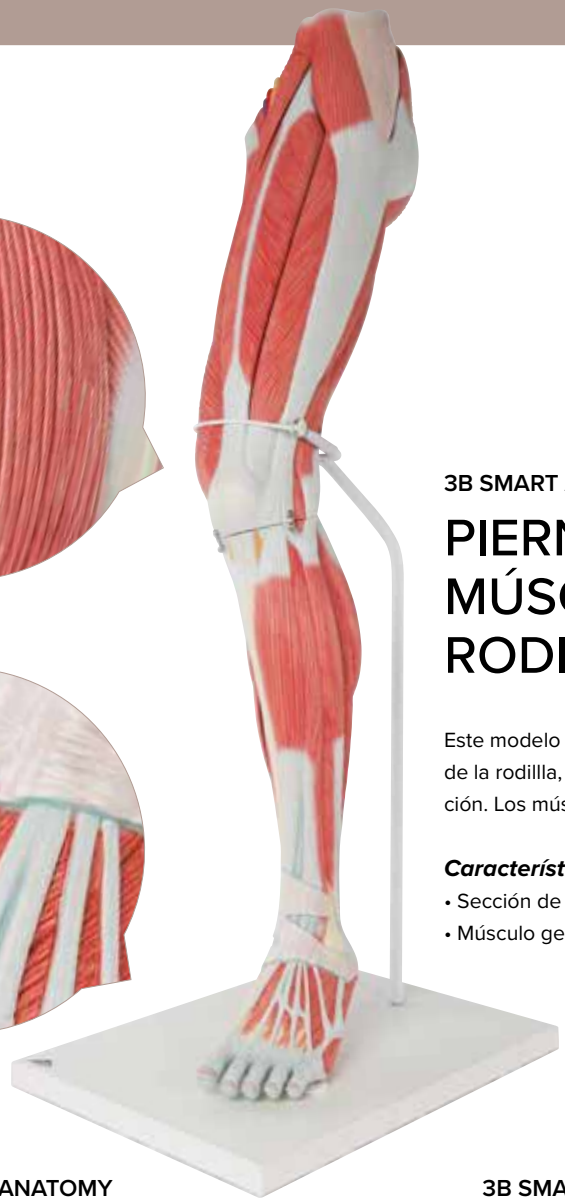


3B SMART ANATOMY
FIGURA CORPORAL COMPLETA ASIÁTICA DE DOBLE SEXO, 39 PARTES

Las mismas características que el 1000209, pero con la aparición de Asia.

174 cm; 40,7 kg	1000208









3B SMART ANATOMY

PIERNA CON MÚSCULOS Y CON RODILLA DE LUJO, 3 PARTES

Este modelo de tamaño natural se separa horizontalmente en la articulación de la rodillla, de forma que permite observar las estructuras de la articulación. Los músculos gemelos son desmontables. Sobre soporte.

Características de los musculos inferiores de la pierna:

- Sección de rodilla desmontable para exponer las superficies articulares.
- Músculo gemelo desmontable. Se suministra con una base desmontable.

58 cm; 2,6 kg 1000353

3B SMART ANATOMY

MÚSCULOS DE LA PIERNA DE LUJO, 7 PARTES

Este nuevo modelo de tamaño natural es divisible en muslo y pierna. Suministro con soporte.

Los siguientes músculos son desmontables:

- M. satorio
- M. glúteo mayor
- M. recto anterior del muslo
- M. bíceps crural cap. l. con M. semitendinoso
- Ms. gemelos

100 cm; 7 kg 1000352

3B SMART ANATOMY

PIERNA CON MÚSCULOS DISECCIONABLES, DESMONTABLE EN 9 PIEZAS

Este modelo ilustra tanto los músculos superficiales como profundos, ocho de los cuales son desmontables. Los tendones, vasos sanguíneos, nervios y componentes óseos de la pierna y el pie izquierdos aparecen con gran detalle. Sobre soporte desmontable.

77 x 26 x 26 cm; 4 kg 1000351



› IILUSTRA TANTO LA PARTE SUPERFICIAL COMO LA PROFUNDA DE LOS MÚSCULOS, Y CON DETALLES IMPRESIONANTES!

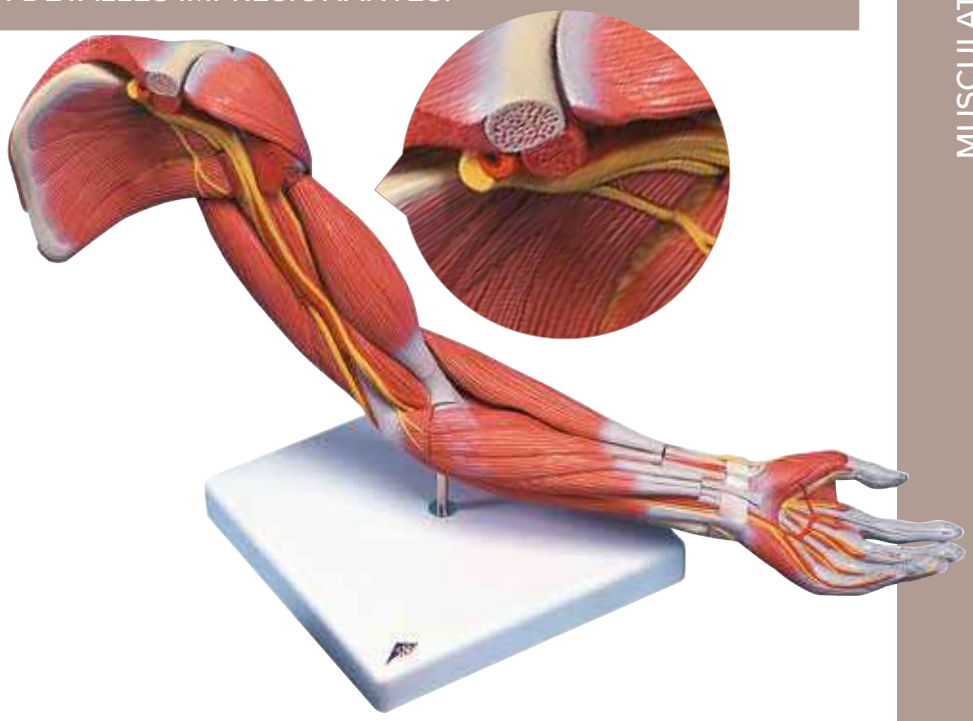
3B SMART ANATOMY

BRAZO CON MÚSCULOS DE LUJO, 6 PARTES

En este nuevo modelo de tamaño natural pueden desmontarse los siguientes músculos:

- M. deltoides
- M. bíceps braquial
- M. tríceps braquial
- M. palmar menor y M. palmar mayor
- M. supinador largo con M. radial externo

70 cm; 3 kg 1000347





3B SMART ANATOMY

BRAZO CON MÚSCULOS DISECCIONABLES, DESMONTABLE EN 6 PIEZAS

Este modelo ilustra tanto los músculos superficiales como profundos del brazo izquierdo y del hombro, de los cuales cinco son desmontables. Los tendones, vasos sanguíneos, nervios y componentes óseos del brazo y hombro izquierdos aparecen con gran detalle. Sobre soporte desmontable.

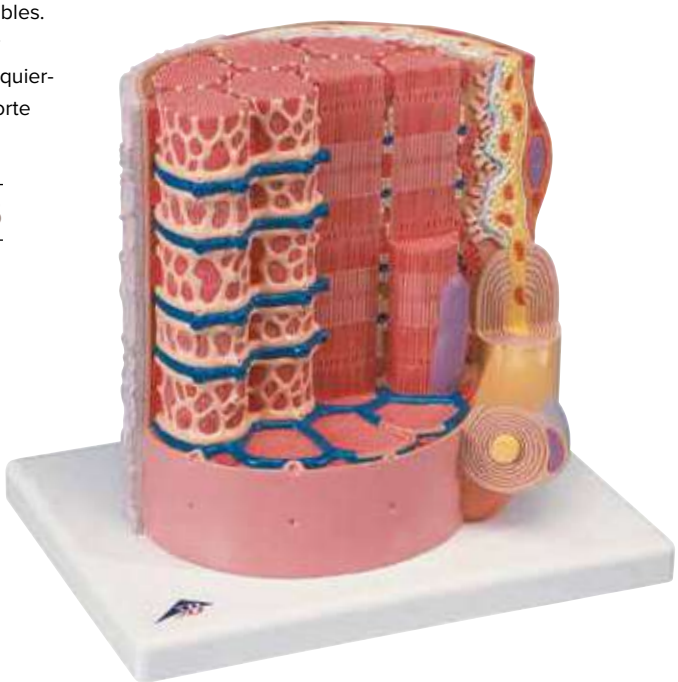
60 x 18 x 18 cm; 1,9 kg 1000015

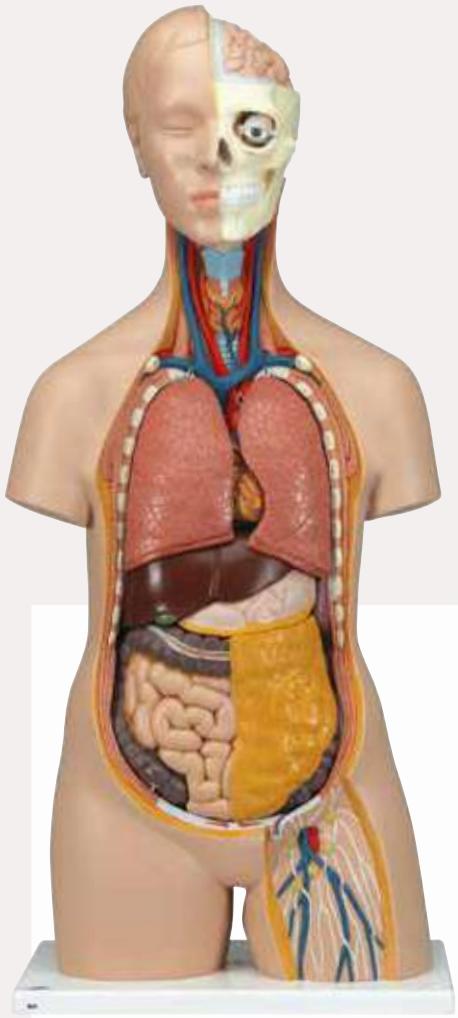
3B SMART ANATOMY

3B MICRO*anatomy*™ FIBRA MUSCULAR – A 10.000 AUMENTOS

Ilustra una sección de una fibra muscular esquelética y su placa neuromuscular. La fibra muscular es el elemento básico del músculo esquelético estriado. Este modelo de alta calidad de una fibra muscular proporciona una comprensión práctica de la musculatura humana para cualquier aula.

23,5 x 26 x 18,5 cm; 1,1 kg 1000213





› TORSOS AUTÉNTICOS 3B SCIENTIFIC®
¡CALIDAD Y VALOR A PRECIOS ASEQUIBLES!

MODELOS DE TORSO

Los torsos 3B Scientific presentan numerosas posibilidades de configuración para satisfacer cualquier necesidad y presupuesto, desde 12 piezas, hasta 30 piezas desmontables que permiten mostrar el nivel de detalle deseado. Visite 3bscientific.com para hacer su compra a medida, viene con la información de las partes desmontables y funciones disponibles.

- No tóxico, material extremadamente resistente para demostraciones prácticas
- Pintado a mano para mostrar todos los detalles en colores realistas
- Precisión anatómica para la educación médica en todos los niveles

Elija una variedad de torsos con diferentes características en función de sus necesidades: sexo masculino, femenino o bisexuado y de diferentes etnias, centrándose en la variación de los aspectos de la anatomía.

3B SMART ANATOMY

TORSO CLÁSICO ASEXUADO, 12 PARTES

Este torso unisex de tamaño natural es pintado a mano, detallado y hecho de plástico de alta calidad.

Este torso es desmontable en las partes siguientes:

- Cabeza en 2 partes
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Paquete intestinal en 2 partes
- Mitad anterior del riñón

Montado en base.

87 x 38 x 25 cm; 4,6 kg 1000186

3B SMART ANATOMY

TORSO CLÁSICO ASEXUADO, 14 PARTES

Este modelo de torso anatómicamente correcto, neutral en cuanto al género, de 14 piezas, es una herramienta educativa de alta calidad. El torso está pintado a mano y diseñado con detalles precisos para representar una anatomía realista. Fabricado con plástico de alta calidad, es ideal para la enseñanza práctica. Está montado sobre una base estable para que los estudiantes puedan desmontarlo de forma segura.

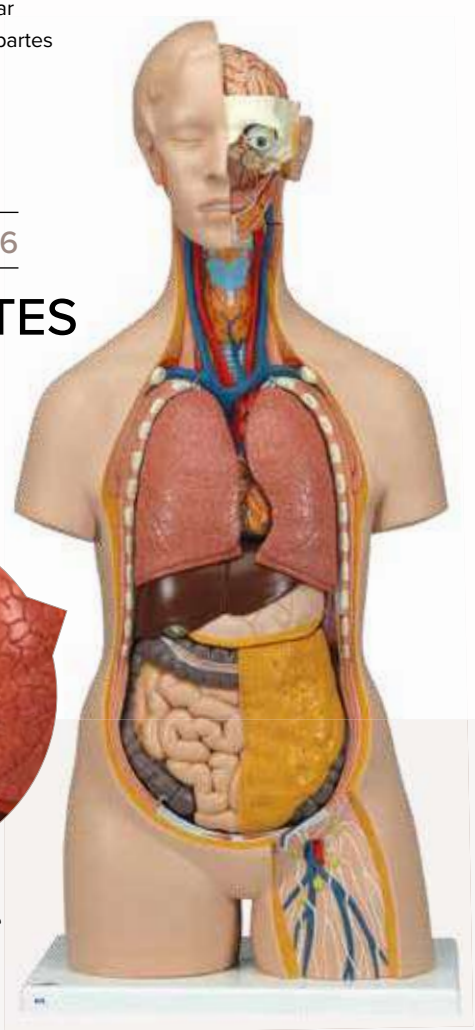
Este torso muy valorado para hacer prácticas de anatomía, presenta las siguientes partes desmontables:

- Cabeza en 3 partes
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Paquete intestinal en 2 partes
- Mitad anterior del riñón
- Mitad anterior de la vejiga urinaria

87 x 38 x 25 cm; 5,9 kg 1000190



Partes facilmente desmontables para estudio detallado



La espalda abierta revela la anatomía de la columna del cerebelo al coxis





3B SMART ANATOMY

TORSO CLÁSICO CON ESPALDA ABIERTA, 18 PARTES

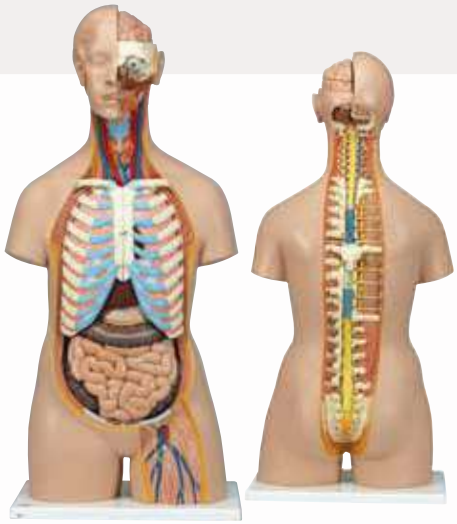
Basado en nuestro torso 1000190. Este torso está abierto desde la nuca hasta el cóccix. Están representados con todo detalle vértebras, cartílagos intervertebrales, médula espinal, nervios espinales, arterias vertebrales y muchos detalles anatómicos más.

Este torso presenta las siguientes partes desmontables:

- Cabeza en 3 partes
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Paquete intestinal en 2 partes
- Mitad anterior del riñón
- Mitad anterior de la vejiga urinaria
- Séptima vértebra dorsal desmontable
- Cabeza en 6 partes

Montado en base para un estudio más detallado.

87 x 38 x 25 cm; 5,8 kg — 1000193



3B SMART ANATOMY

TORSO CLÁSICO ASEXUADO CON ESPALDA ABIERTA, 21 PARTES

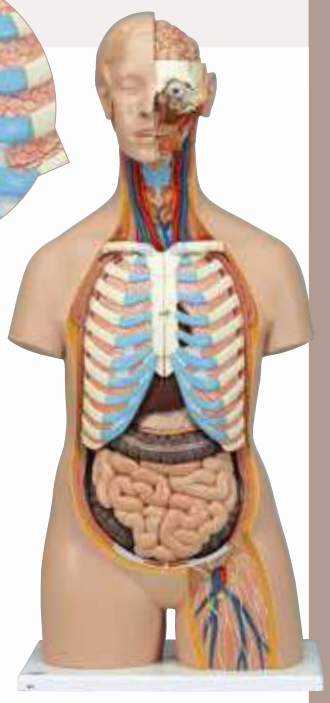
Este torso de primera calidad, neutral en cuanto al género, viene con piezas adicionales desmontables y cuenta con una sección abierta en la espalda que va desde el cerebelo hasta el cóccix. Las vértebras, discos intervertebrales, médula espinal, nervios espinales, arterias vertebrales y muchas otras características están representadas con precisión en esta reproducción detallada de la anatomía humana. El modelo está montado sobre una base estable para permitir demostraciones anatómicas seguras.

Este torso presenta las siguientes partes desmontables:

- Séptima vértebra torácica removible
- Cabeza de 6 partes
- Estomago de 2 partes
- Pulmones
- Corazón de 2 partes
- Hígado / Vesícula biliar
- Tracto intestinal de 4 partes
- Medio riñón
- Media vejiga
- Espalda abierta
- Cerebro

87 x 38 x 25 cm; 6,5 kg — 1000192





3B SMART ANATOMY

TORSO CLÁSICO ASEXUADO, 16 PARTES

Este modelo de torso humano en tamaño real viene con 16 piezas desmontables, cada una de ellas pintada a mano y con detalles increíblemente realistas. Pintado a mano para colores realistas y detalles impresionantes. Fabricado con plástico duradero y de alta calidad. 16 piezas desmontables para un estudio más detallad.

Muestra la anatomía humana muy detalladamente y está dividido en las partes siguientes:

- Cabeza en 3 partes
- 2 lóbulos pulmonares con esternón e inserción de costillas
- Corazón en 2 partes
- Estómago.
- Hígado con vesícula biliar
- Paquete intestinal en 4 partes
- Mitad anterior del riñón
- Mitad anterior de la vejiga urinaria.

Montado en base para un estudio mas detallado.

87 x 38 x 25 cm; 6,8 kg — 1000188

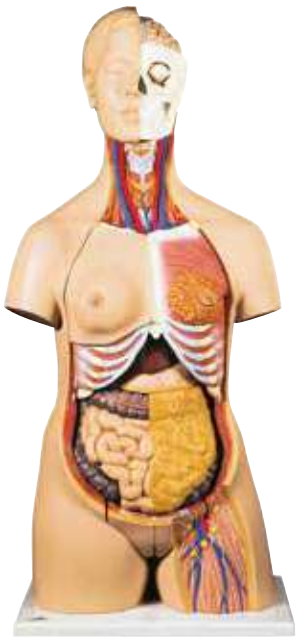
› ¡DETALLES, DE ADENTRO HACIA AFUERA!





Cabeza de 3 partes con mitad del cerebro y ojos extraíbles





3B SMART ANATOMY

TORSO DE LUJO DE DOBLE SEXO, 24 PARTES

¡La calidad de este torso es impresionante, así como su precio! Con su ayuda podrá responder a todas las preguntas formuladas sobre la anatomía interna humana.

Es desmontable en:

- Cabeza en 3 partes
- Estómago en 2 partes
- Paquete intestinal en 4 partes
- Cubierta torácica femenina
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Hígado con vesícula biliar
- Mitad anterior del riñón
- Órganos genitales femeninos con embrión, en 3 partes
- Órganos genitales masculinos en 4 partes

87 x 38 x 25 cm; 7,5 kg 1000196

3B SMART ANATOMY

TORSO AFRICANO, BISEXUADO, 24 PARTES

Este torso de tamaño natural, viene con todas las características de el torso (1000196) 24 partes pero con apariencia africana.

87 x 38 x 25 cm; 7,5 kg 1000202

3B SMART ANATOMY

APARIENCIA ASIÁTICA, 18-PARTES

Enviado con cabeza de 1 parte y sin pared toraxica femenina.

85 x 38 x 25 cm ; 6,7 kg 1000199

3B SMART ANATOMY

TORSO DE LUJO DE DOBLE SEXO, 20 PARTES

¡La calidad de este torso es impresionante, así como su precio! Con su ayuda podrá responder a todas las preguntas formuladas sobre la anatomía interna humana.

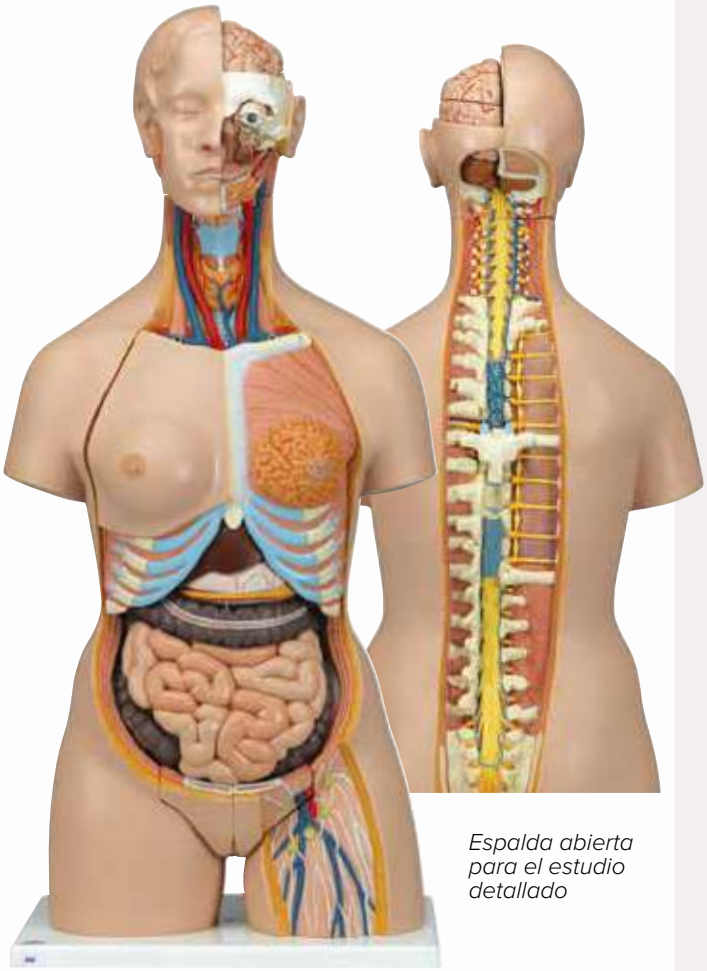
Es desmontable en:

- Cabeza en 2 partes
- Cubierta torácica femenina
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Paquete intestinal en 2 partes
- Mitad anterior del riñón
- Órganos genitales femeninos con embrión, en 3 partes
- Órganos genitales masculinos en 4 partes

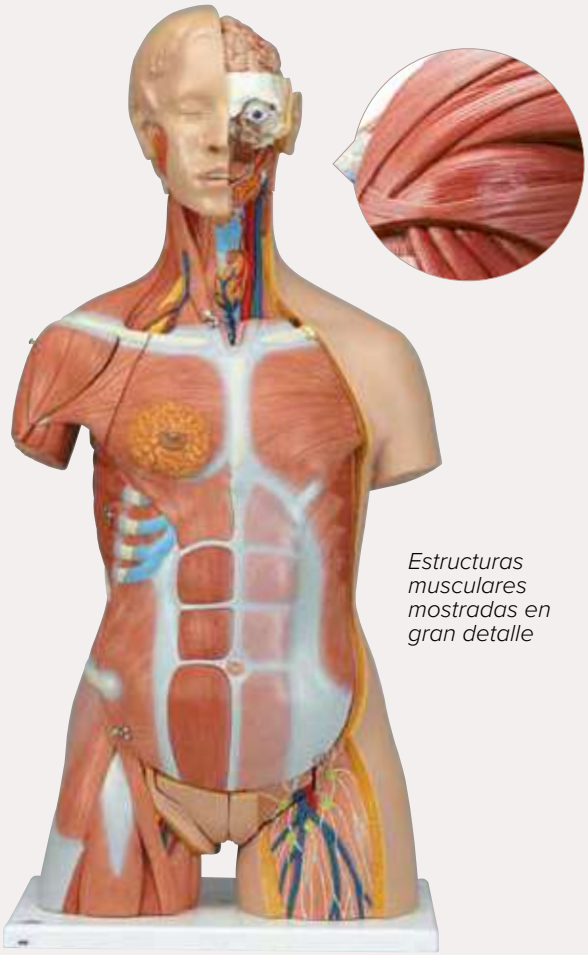
Todos los órganos son pintados a mano para un producto de calidad con colores realistas. Enviado sobre base resistente. Apariencia caucásica, 20-partes.

87 x 38 x 25 cm; 7,3 kg 1000197





Espalda abierta para el estudio detallado



Estructuras musculares mostradas en gran detalle

3B SMART ANATOMY

SUPER-TORSO DE DOBLE SEXO CON ESPALDA ABIERTA, 28 PARTES

¡Este torso tiene todo lo que se puede ofrecer! Órganos genitales masculinos y femeninos desmontables, espalda abierta desde el cuello hasta el cóccix para estudiar vértebras, cartílagos intervertebrales, médula espinal, nervios espinales, arterias vertebrales, etc., una cabeza de lujo con cerebro en 4 partes y mucho más. Es el torso con más detalles para hacer demostraciones.

Son desmontables:

- Séptima vértebra dorsal, cubierta torácica femenina
- Cabeza en 6 partes
- 2 lóbulos pulmonares, corazón en 2 partes
- Estómago en 2 partes, hígado con vesícula biliar
- Paquete intestinal en 4 partes
- Mitad anterior del riñón
- Órganos genitales femeninos con embrión, en 3 partes
- Órganos genitales masculinos en 4 partes

87 x 38 x 25 cm; 7,6 kg 1000200

3B SMART ANATOMY

TORSO DE LUJO CON MÚSCULOS, 31 PARTES

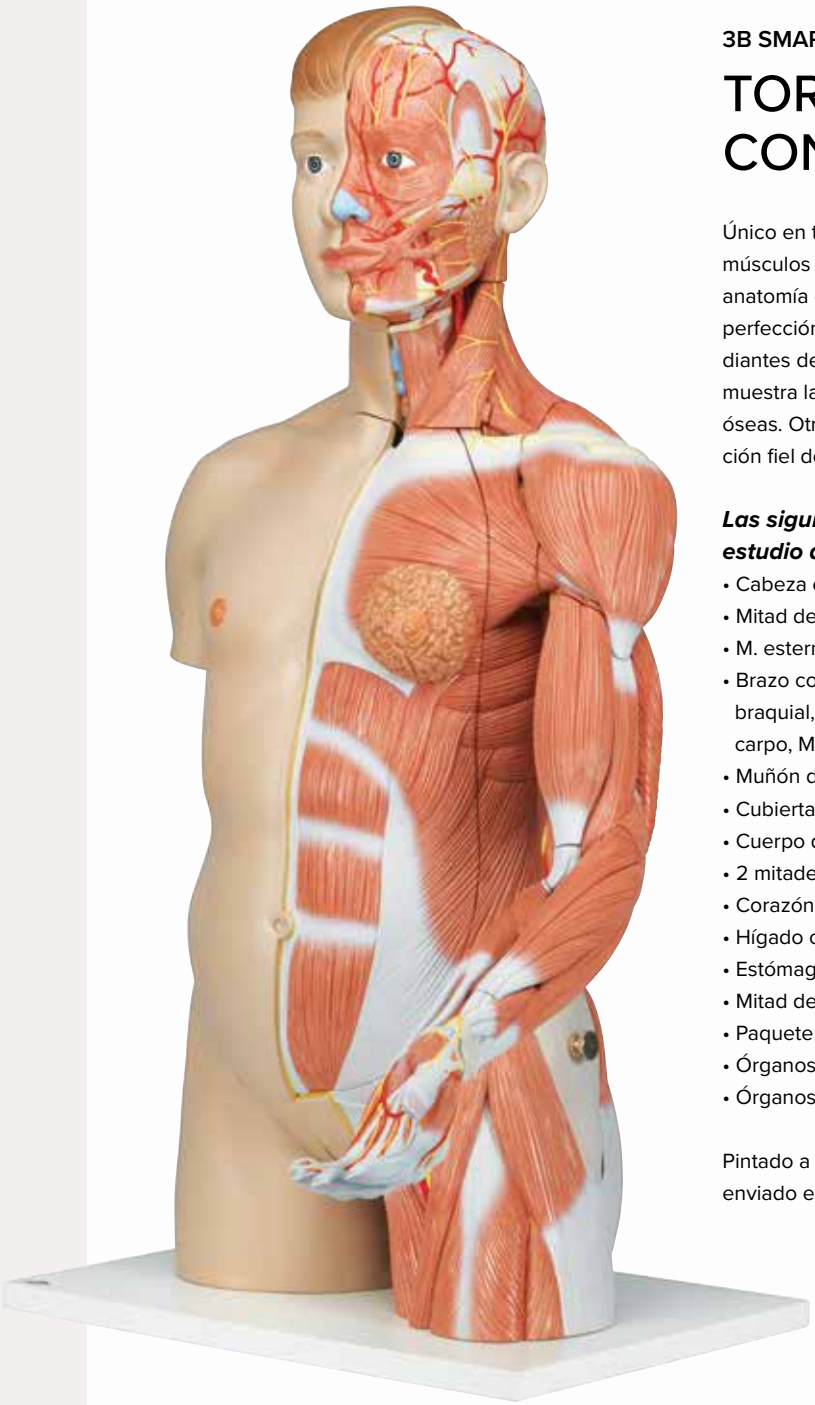
Con este torso, usted será invencible en anatomía. Presenta la musculatura tanto externa como interna y los músculos importantes M. deltoides y M. glúteo mayor se pueden desmontar para estudiarlos en detalle. Están las vértebras, la médula espinal, los nervios espinales y las arterias vertebrales. Se pueden cambiar los sexos masculino y femenino y descubrir las estructuras internas de la cabeza y, etc.

Son desmontables:

- Cubierta torácica y abdominal con musculatura
- Séptima vértebra dorsal
- Mamas femeninas
- M. glúteo mayor, M. deltoides
- 2 mitades pulmonares, corazón en 2 partes
- Estómago en 2 partes, hígado con vesícula biliar
- Paquete intestinal en 4 partes, mitad anterior del riñón
- Órganos sexuales femeninos con embrión, en 3 partes
- Órganos genitales masculinos en 4 partes

Montado en soporte.

87 x 38 x 25 cm; 8,5 kg 1000203



3B SMART ANATOMY

TORSO DE LUJO Y BRAZO CON MÚSCULOS, 33 PARTES

Único en todo el mundo, este torso de tamaño natural lleva un brazo con músculos desmontable en 6 partes. Este valioso modelo reproduce la anatomía completa de la parte superior del cuerpo humano. Gracias a la perfección de los detalles, está indicado para la formación de los estudiantes de medicina. La mitad derecha muestra la piel, la mitad izquierda muestra la musculatura externa e interna, con nervios, vasos y estructuras óseas. Otra de las características de este estético modelo es la reproducción fiel de los órganos internos.

Las siguientes partes son facilmente desmontables para un estudio detallado:

- Cabeza en 2 partes
- Mitad del cerebro
- M. esternocleidomastoideo
- Brazo con músculos en 6 partes (desmontables: M. deltoides, M. bíceps braquial, M. tríceps braquial, M. palmar mayor con M. flexor radial del carpo, M. supinador largo con M. radial externo)
- Muñón del muslo
- Cubierta torácica y abdominal desmontable, con mamas
- Cuerpo del torso
- 2 mitades pulmonares
- Corazón en 2 partes
- Hígado con vías biliares
- Estómago en 2 partes
- Mitad del riñón
- Paquete intestinal en 4 partes
- Órganos genitales femeninos con embrión, en 3 partes
- Órganos genitales masculinos en 4 partes

Pintado a mano para mostrar todos los detalles en colores realistas, enviado en base. Apariencia caucásica.

90 cm; 22,8 kg 1000205

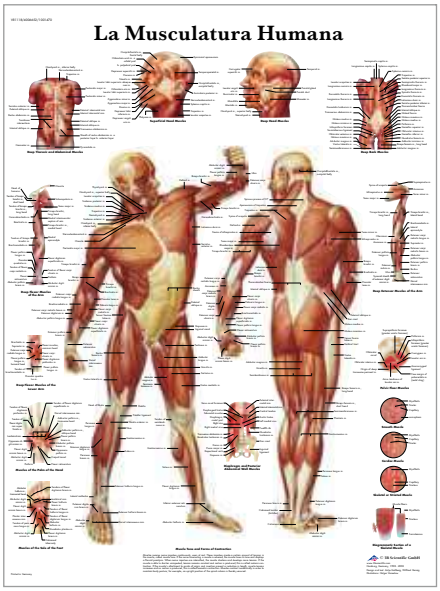


3B SMART ANATOMY

TORSO DE LUJO Y BRAZO CON MÚSCULOS, 33 PARTES

Este torso de tamaño natural, viene con todas las características de el torso 1000205 pero con apariencia asiática.

90 cm; 22,8 kg 1000204



LA MUSCULATURA HUMANA

Laminado	1001801
Papel	4006815



3B SMART ANATOMY

TORSO CON MÚSCULOS, DE TAMAÑO NATURAL, 27 PARTES

Este torso con músculos, que cumple con todos los requisitos, muestra la musculatura superficial y profunda de forma precisa y real. De tamaño natural, está acabado con todos los detalles más exactos y esta pieza maestra es una herramienta extraordinaria para las clases de anatomía, incluso en las aulas más exigentes.

Las partes siguientes son desmontables para su estudio detallado:

- Bóveda del cráneo
- Encéfalo, en 6 partes
- Globo ocular con nervio óptico
- Cubierta torácica y abdominal
- Laringe en 2 partes
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Diafragma
- Estómago en 2 partes
- Hígado con vesícula biliar
- Paquete intestinal con apéndice
- Mitad anterior del riñón
- Mitad de la vejiga urinaria
- 4 músculos

Enviado en soporte.

95 x 60 x 35 cm; 14 kg	1001236

Cada disco puede ser desplazado horizontalmente para un estudio más detallado desde cualquier ángulo



› ENCONTRARÁ UNA TARJETA DE APRENDIZAJE POR CADA DISCO DENTRO DEL MANUAL DEL PRODUCTO

3B SMART ANATOMY

TORSO-DISCOS, 15 DISCOS

Este torso único está seccionado horizontalmente en 15 discos. En cada plano seccionado se representan las relaciones topográficas con forma de relieves de colores. Para contemplar en detalle, los discos se pueden desplazar horizontalmente y girar alrededor de su eje sagital. Cada disco se puede desmontar por separado.

130 x 40 x 35 cm; 19 kg — 1001237

FUNDA PROTECTORA DE ALTA RESISTENCIA PARA TORSOS



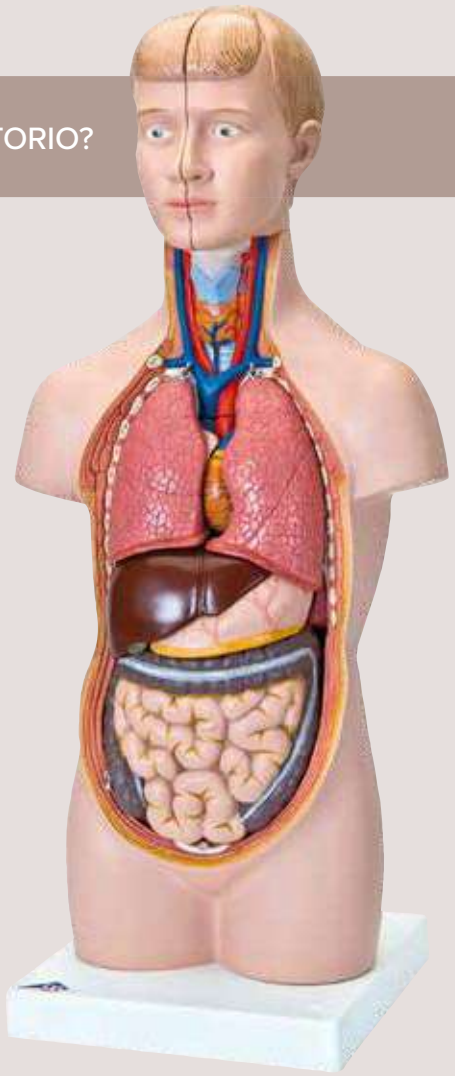
Proteja su inversión con esta funda protectora de alta resistencia exclusiva para los modelos de torso. Apta para todos los torsos a tamaño completo. Cremallera y asa reforzada que facilita el transporte. Color negro.

1020762

GUÍA COMPARATIVA DE LOS TORSOS

No de cat.	1000186	1000190	1000188	1000193	1000192
Página	52	52	53	53	53
Piezas individuales	12	14	16	18	21
Parte posterior abierta, espina dorsal a la vista	–	–	–	✓	✓
Cabeza desmontable en	2 piezas	3 piezas	3 piezas	6 piezas	6 piezas
Pulmón desmontable para mostrar la anatomía interna	✓	✓	✓	✓	✓
Caja torácica a la vista	–	–	✓	–	✓
Corazón desmontable en	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas
Estómago desmontable en	1 piezas	1 piezas	1 piezas	1 piezas	2 piezas
Hígado / Vesícula biliar extraíble	✓	✓	✓	✓	✓
Tracto intestinal desmontable en	2 piezas	2 piezas	4 piezas	2 piezas	4 piezas
Medio riñón desmontable para mostrar la anatomía interna	✓	✓	✓	✓	✓
Media vejiga desmontable para mostrar la anatomía interna	–	✓	✓	✓	✓
Brazo con músculos incluido	–	–	–	–	–
Cubierta del pecho femenino desmontable	–	–	–	–	–
Género neutro	✓	✓	✓	✓	✓
Sexo dual	–	–	–	–	–
Genitales masculinos desmontables en	–	–	–	–	–
Genitales femeninos desmontables en	–	–	–	–	–
Color de la piel	claro	claro	claro	claro	claro
Guía de torso 3B Scientific® incluída	✓	✓	✓	✓	✓
Tamaño natural	✓	✓	✓	✓	✓
3B SMART ANATOMY	✓	✓	✓	✓	✓

› ¿BUSCA UNA ALTERNATIVA PEQUEÑA PARA SU ESCRITORIO?



3B SMART ANATOMY

MINI-TORSO, 12 PARTES

Este torso tiene un tamaño que es la mitad del tamaño natural. Incluso manos pequeñas pueden desmontar rápidamente este torso en:

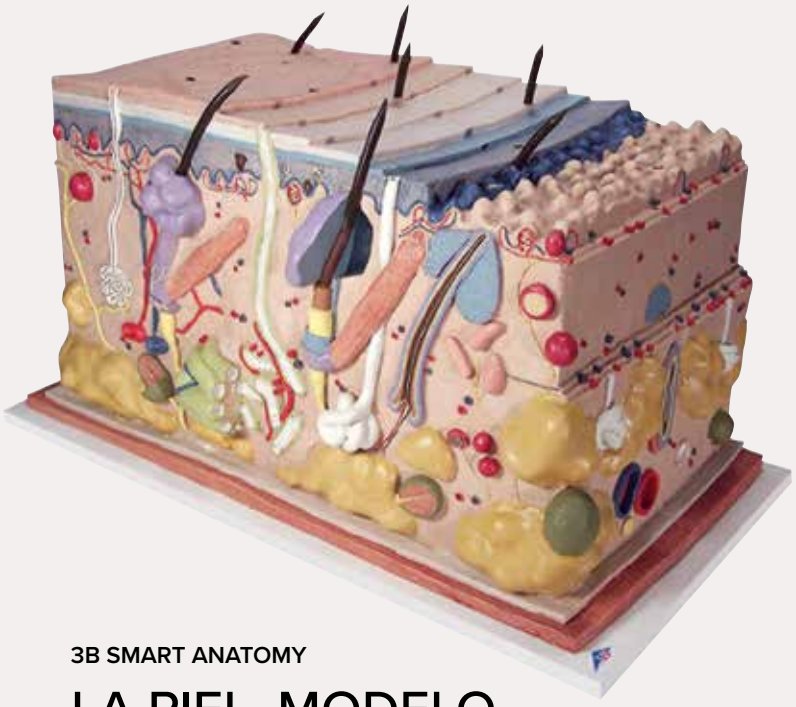
- Cabeza en 2 mitades
- Medio cerebro
- 2 lóbulos pulmonares
- Corazón en 2 partes
- Estómago
- Hígado con vesícula biliar
- Paquete intestinal en 2 partes

¡Si desea calidad a bajo coste este mini modelo del torso es para usted! Todas las partes están numeradas e identificadas en el manual del producto incluido.

54 x 24 x 18 cm; 1,89 kg **1000195**

1000196	1000197	1000199	1000200	1000202	1000203	1000204	1000205	1000195
54	54	54	55	54	55	56	56	58
24	20	18	28	24	31	33	33	12
–	–	–	✓	–	✓	–	–	–
3 piezas	2 piezas	1 piezas	6 piezas	3 piezas	6 piezas	3 piezas	3 piezas	3 piezas
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	–
2 piezas	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas
2 piezas	1 piezas	1 piezas	2 piezas	2 piezas	2 piezas	2 piezas	2 piezas	1 piezas
✓	✓	✓	✓	✓	✓	✓	✓	✓
4 piezas	2 piezas	2 piezas	4 piezas	4 piezas	4 piezas	4 piezas	4 piezas	2 piezas
✓	✓	✓	✓	✓	✓	✓	✓	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	6 piezas	6 piezas	–
1 piezas	1 piezas	1 piezas	1 piezas	1 piezas	2 piezas	2 piezas	2 piezas	–
–	–	–	–	–	–	–	–	✓
✓	✓	✓	✓	✓	✓	✓	✓	–
4 piezas	4 piezas	4 piezas	4 piezas	4 piezas	4 piezas	4 piezas	4 piezas	–
3 piezas	3 piezas	3 piezas	3 piezas	3 piezas	3 piezas	3 piezas	3 piezas	–
claro	claro	asiático	claro	moreno	claro	asiático	claro	claro
✓	✓	✓	✓	✓	✓	✓	✓	1/2
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓

3B Scientific



› ABRA LA PÁGINA 4 PARA APRENDER MÁS SOBRE 3B SMART ANATOMY.

3B SMART ANATOMY

LA PIEL, MODELO EN BLOQUE, 70 VECES SU TAMAÑO NATURAL

Este modelo altamente sofisticado muestra el corte de la piel humana tridimensionalmente. Las capas individuales de la piel son diferenciadas, y las estructuras importantes tales como vellos, glándulas sebáceas y sudoríparas, receptores, nervios y vasos se aprecian con gran detalle. Viene montado sobre una base.

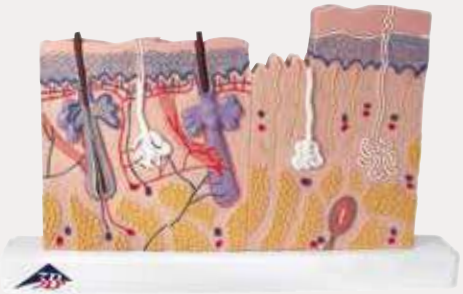
44 x 24 x 23 cm; 3,6 kg 1000291

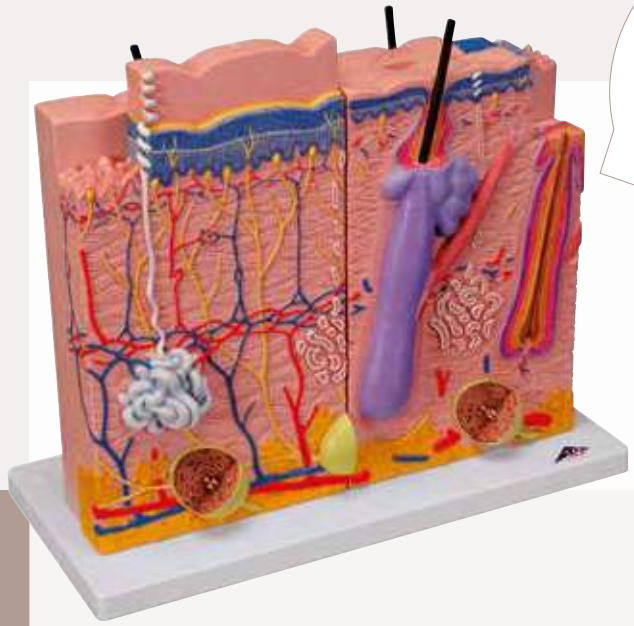
3B SMART ANATOMY

CORTE DE LA PIEL, 40 VECES SU TAMAÑO NATURAL

Este modelo de mesa es adecuado para comparar la piel con vellos y sin vellos. Se muestra las tres capas de la piel con folículos pilosos, glándulas sebáceas, glándulas sudoríparas, receptor, nervios y vasos son apreciados. Sobre base.

24 x 15 x 3,5 cm; 0,2 kg 1000290







› ¡3 MODELOS EN 1!

3B SMART ANATOMY

MODELO DE LA PIEL EN 3 PIEZAS

La piel se muestra con un aumento de 80 veces, lo que permite observar incluso las estructuras más pequeñas con detalle. Gracias a las conexiones magnéticas, el modelo se puede desmontar fácilmente para facilitar una mejor demostración.

Representa las tres secciones más importantes de la piel:

- Palma de la mano
- Dorso de la mano
- Cuero cabelludo

34 x 39 x 15,5 cm; 2,05 kg 1000294

3B SMART ANATOMY

ESTRUCTURA MICROSCÓPICA DE LA PIEL, VELLO Y UÑA



Este modelo muestra la estructura microscópica de la piel con gran detalle. Con la ayuda de diferentes cortes de la piel sin vellos y con vellos se pueden ver las diferentes capas celulares, como también las glándulas sudoríparas incrustadas, los receptores de tacto, los vasos sanguíneos, los nervios y un vello con raíz. Además, incluye el modelo cortado de una uña en la base donde se aprecia la placa ungueal, el lecho ungueal y la raíz de la uña. La representación de la raíz de un vello con todas su capas celulares completa este modelo de la piel.

10 x 12,5 x 14 cm; 0,35 kg 1000292

3B SMART ANATOMY

MODELO DE CÁNCER DE PIEL



Este modelo de patología de 3B Scientific® muestra la visión anterior y posterior de 6 estadios diferentes del cáncer maligno de piel (= melanoma maligno) aumentados 8 veces de tamaño:

- Sano
- Melanocitos localizados en la superficie de la epidermis
- Melanocitos ocupando la epidermis y algunos se encuentran en la dermis papilar
- Melanocitos ocupando la dermis papilar
- Melanocitos que han alcanzado la dermis reticular
- Melanocitos invadiendo la grasa hipodérmica, células satélites junto a una vena

14 x 10 x 11,5 cm; 0,2 kg 1000293

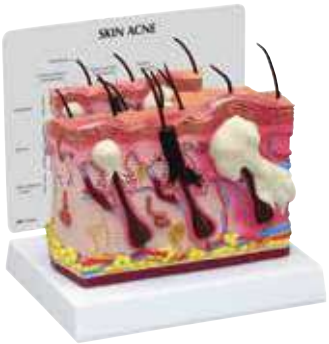


3B SMART ANATOMY

CORTE DE LA PIEL, 70 VECES SU TAMAÑO NATURAL

Este relieve muestra un corte a través de las tres capas de la piel cubierta de vellos.

26 x 33 x 5 cm; 1 kg 1000289



MODELO DE ACNÉ CUTÁNEO, 2 CARAS

Modelo de piel en sección transversal ampliado de dos caras. La parte del acné muestra tres patologías: punto blanco, punto negro y pústula/quiste. La cara contraria ilustra la anatomía de la piel normal.

15,2 x 5,7 x 10,2 cm 1019568

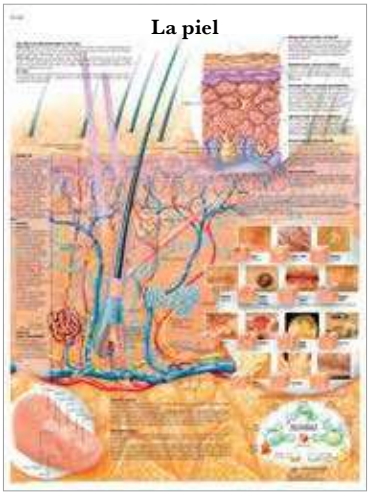
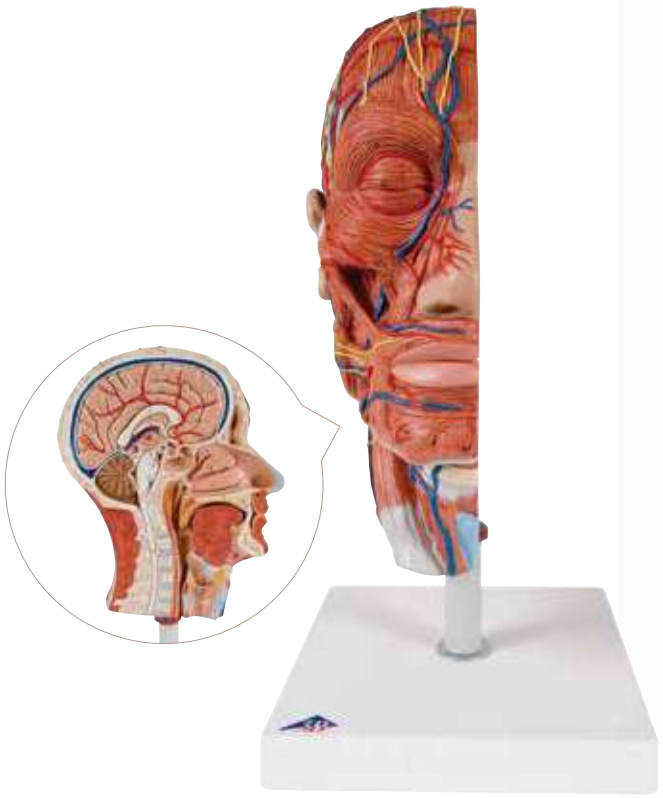


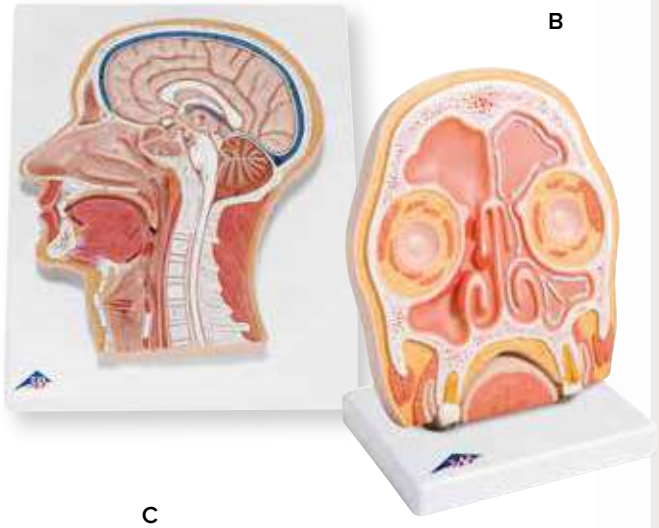
TABLA 3B SCIENTIFIC® – LA PIEL

Muestra la anatomía de la piel humana incluyendo todas sus capas y algunas patologías comunes. Laminado.

50 x 67 cm 1001841



A



B

C



› MODELOS ANATÓMICOS ÚNICOS DE 3B SCIENTIFIC®:

+ Material muy duradero y de alta calidad
+ Material no tóxico
+ Artesanal y pintado a mano por expertos
+ Fabricación anatómica muy precisa

3B SMART ANATOMY

MEDIA CABEZA CON MUSCULATURA

Este corte medial muestra las estructuras externas, superficiales e internas de la cabeza y el cuello. Sobre soporte, desmontable.

22 x 18 x 46 cm; 1,1 kg **1000221**

3B SMART ANATOMY

A. CORTE MEDIAL DE LA CABEZA

Este modelo en relieve muestra todas las estructuras relevantes con gran detalle. Montado sobre soporte.

26 x 33 x 5 cm; 1 kg **1000219**

3B SMART ANATOMY

B. MODELO DE LA SECCIÓN

Cabeza sección frontal a través de la paranasales humana. Senos cubiertos con la membrana mucosa. Los signos de la sinusitis (inflamación de los senos paranasales) a la derecha, con la normalidad de ventilación del lado izquierdo.

41 x 31 x 5 cm; 1,45 kg **1012789**

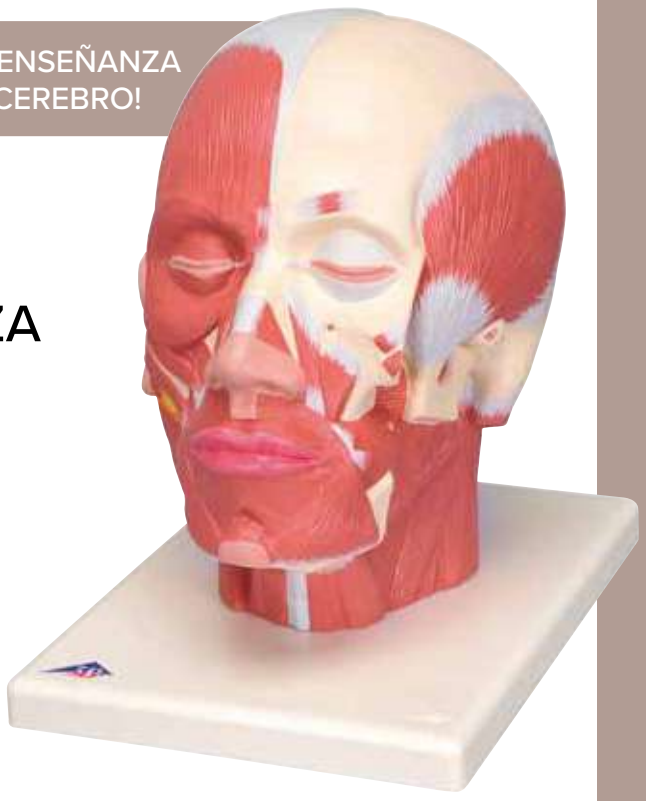
3B SMART ANATOMY

C. CORTE MEDIAL Y FRONTAL DE LA CABEZA

Los dos modelos en relieve muestran el corte medial y frontal de la cabeza. Las dos vistas de este modelo de alta calidad presentan todas las estructuras anatómicas importantes de la cabeza con total detalle. Incluyen secciones transversales del cerebro, la médula espinal y los senos paranasales de la cabeza humana. Se entrega sobre una base.

41 x 31 x 5 cm; 1,45 kg **1000220**

› ¡UNA HERRAMIENTA INDISPENSABLE PARA LA ENSEÑANZA DEL SISTEMA NERVIOSO Y LA ANATOMÍA DEL CEREBRO!



3B SMART ANATOMY

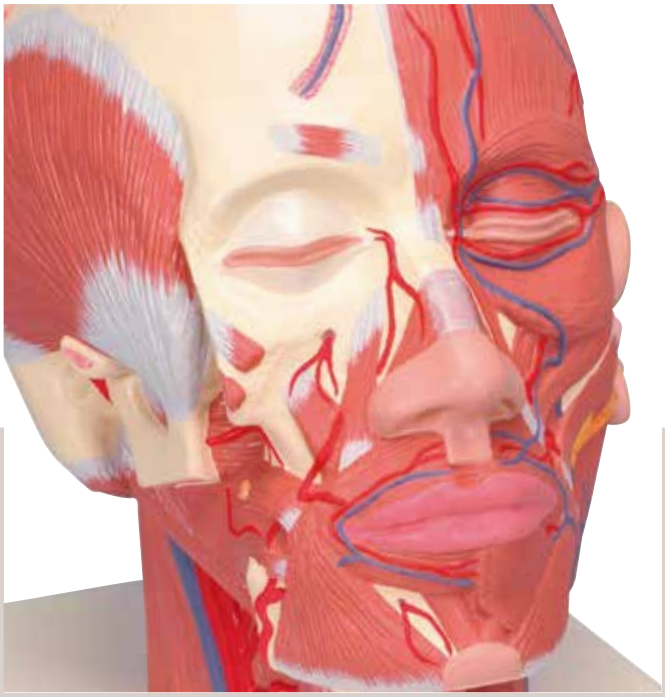
MUSCULATURA DE LA CABEZA

Una representación de la musculatura superficial de la cabeza y el cuello con:

- Glándula parótida
- Glándula submandibular (mitad derecha)
- Musculatura profunda (mitad izquierda)
- Mandíbula inferior parcialmente expuesta

Sobre base.

24 x 18 x 24 cm; 1,2 kg 1001239





3B SMART ANATOMY

MUSCULATURA DE LA CABEZA CON VASOS SANGUÍNEOS

Todas las características del modelo 1001239, más vasos sanguíneos.

24 x 18 x 24 cm; 1,2 kg 1001240

3B SMART ANATOMY

MUSCULATURA DE LA CABEZA CON NERVIOS

Todas las características de 1001239, con la representación adicional de nervios.

24 x 18 x 24 cm; 1,2 kg 1008543

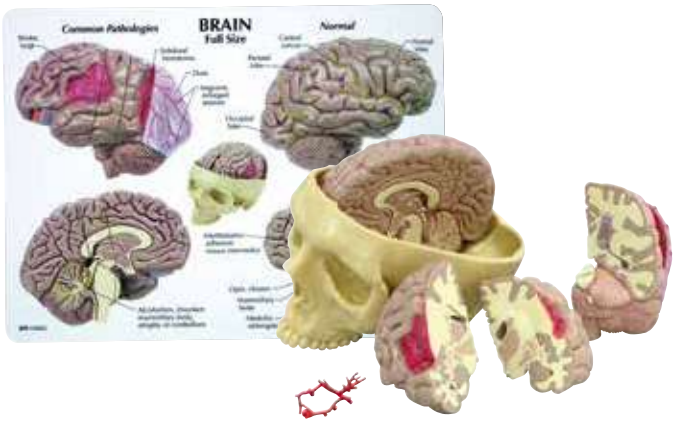


3B SMART ANATOMY

MUSCULATURA DE LA CABEZA Y DEL CUELLO, 5 PIEZAS

Representación de la musculatura superficial y profunda, nervios y vasos. Tapa del cráneo retirable y cerebro de 3 piezas. Con base.

36 x 18 x 18 cm; 1,8 kg 1000214



MODELO DE CEREBRO

Modelo de cerebro a tamaño real segmentado con una mitad normal y la otra con patología y seccionada en tres piezas, además del polígono de Willis con aneurisma. El cerebro, situado en el interior de un cráneo parcial, presenta las patologías siguientes, también ilustradas en una tarjeta informativa de doble cara: alcoholismo, Alzheimer, aneurisma, tumor derivado de depresión, tumor derivado de ataque epiléptico, migraña, esclerosis múltiple, enfermedad de Parkinson, infarto cerebral y hematoma subdural.

12,7 x 17,1 x 12,7 cm 1019542







3B SMART ANATOMY

CABEZA ASIÁTICA CON CUELLO, 4 PIEZAS

Las mismas características y detalles como la 1000216, pero con aspecto asiático. Suministrado sobre soporte.

26 cm; 2,2 kg 1000215

3B SMART ANATOMY

CABEZA CON CUELLO, 4 PIEZAS

La mitad izquierda de este modelo seccionado medialmente de tamaño natural muestra la musculatura con nervios, vasos y estructuras óseas y un hemisferio cerebral extraible. La cabeza está montada en una parte cervical desmontable, que está seccionada horizontal y transversalmente. Suministro con tablero.

26 cm; 2,2 kg 1000216



Base del cráneo con detalles adicionales



3B SMART ANATOMY

ENCÉFALO DE LUJO CON ARTERIAS EN LA BASE DE LA CABEZA, DESMONTABLE EN 8 PIEZAS

Este encéfalo de lujo 1017868 viene con una cabeza abierta para realizar un estudio detallado de la posición del encéfalo en el cráneo. La cabeza está dividida horizontalmente por encima de la base de cráneo. Este modelo de un encéfalo de lujo medianamente dividido muestra tanto las arterias cerebrales como también la arteria basilar desmontable. Sobre base desmontable.

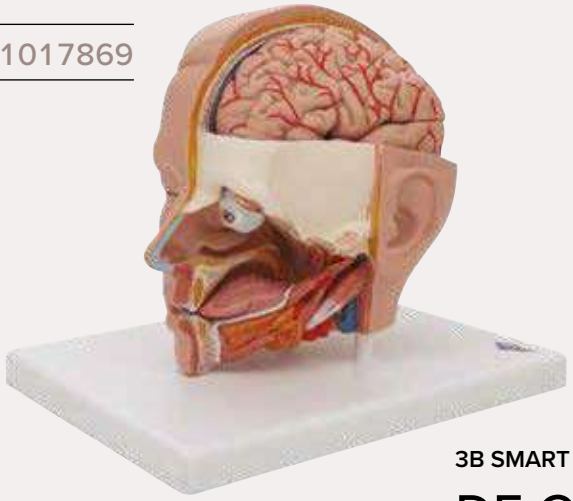
15 x 15 x 23 cm; 1,6 kg **1017869**

3B SMART ANATOMY

CEREBRO DE LUJO CON ARTERIAS, DESMONTABLE EN 9 PIEZAS

Este modelo de encéfalo de lujo dividido muestra las arterias cerebrales. La arteria basilar es desmontable. Incluye soporte desmontable.

15 x 14 x 16 cm; 0,9 kg **1017868**





3B SMART ANATOMY

MODELO DE LA CABEZA, 6 PIEZAS

Modelo de la cabeza para necesidades elevadas. Esta cabeza de 6 piezas y de tamaño natural está montada sobre un suporte e incluye una mitad del cerebro desmontable en 4 piezas con arterias. El globo ocular con nervio óptico también es desmontable y en un lado se expone la nariz, cavidad bucal, faringe, occipital y base craneal. Con soporte.

19 x 23 x 22 cm; 1 kg **1000217**

3B SMART ANATOMY

DE CABEZA Y CUELLO, 5 PIEZAS

Este modelo muestra una representación de sección medial de la cabeza. La piel y los músculos faciales de la mitad exterior derecho son desmontables para mostrar la más profundas estructuras. El globo ocular, la cubierta ósea – sobre el maxillaris, los senos paranasales y la mitad derecha de la lengua son extraíbles para un estudio detallado. Las partes vienen diferenciadas en colores.

38 x 36 x 25 cm; 3 kg **1005536**



› 3B SCIENTIFIC® LOS MODELOS CEREBRALES HAN SIDO CREADOS CON UNA INCREÍBLE PRECISIÓN REALÍSTICA. MUESTRA LOS MÁS FINOS DETALLES ESTRUCTURALES.

+ Unido con imanes para que sea mas fácil de desmontar
+ Material de altísima calidad para una larga duración
+ Artesanal y pintado a mano con detalles muy precisos



3B SMART ANATOMY

ENCÉFALO CLÁSICO, 5 PARTES

Este modelo seccionado medianamente es el modelo anatómico original de un encéfalo humano real.

Su mitad izquierda está dividida en:

- Lóbulos frontal y parietal
- Lóbulos temporal y occipital
- Tronco encefálico
- Cerebelo

Con soporte extraíble.

13 x 14 x 17,5 cm; 0,9 kg	1000226

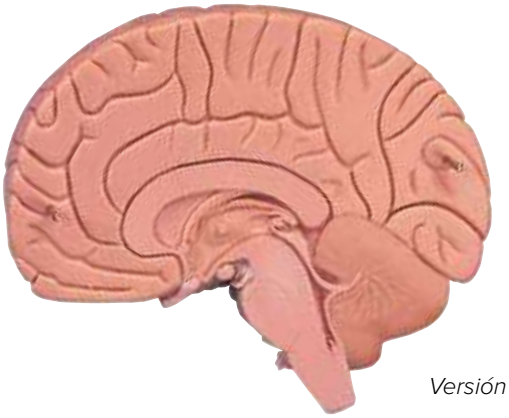


El cerebro clásico es una gran herramienta para la enseñanza del sistema nervioso y de la anatomía del cerebro. Encaja en los modelos de cráneo:
1020159, 1020163, 1020164, 1020165, 1020166, 1020167, 1020168, 1020169

› DE LAS PÁGINAS 40–45

› PARA VER IMÁGENES ADICIONALES Y AMPLIAR LOS DETALLES, POR FAVOR VISITE 3BSCIENTIFIC.COM.

› DESPLÁCESE A LA PÁGINA 4 PARA DESCUBRIR TODAS LAS FUNCIONES DE LA APLICACIÓN 3B SMART ANATOMY.



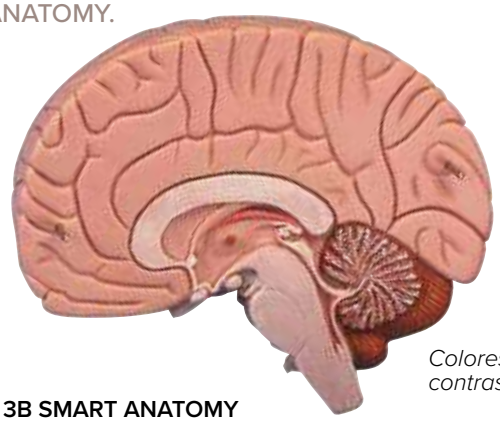
Versión básica

3B SMART ANATOMY

MODELO DEL CEREBRO, EN 2 PIEZAS

Este cerebro básico esta medialmente dividido, con una precisión anatómica. ¡De tamaño natural! Las estructuras del cerebro se muestran en color, para proporcionar una introducción al sistema nervioso y a la anatomía del cerebro. Las estructuras del cerebro no están etiquetadas, ni enumeradas. Este cerebro introductorio está presentado sobre base desmontable.

15 x 14 x 17,5 cm; 0,7 kg 1000223



Colores contrastantes

3B SMART ANATOMY

MODELO DEL CEREBRO, EN 2 PIEZAS CON CONTRASTE DE COLORES

Se utilizan contrastes de color para resaltar las diferentes estructuras anatómicas en este cerebro humano dividido medialmente, lo que hace que este modelo de alta calidad sea perfecto para comenzar el estudio de la anatomía del cerebro humano. Se entrega en una base desmontable.

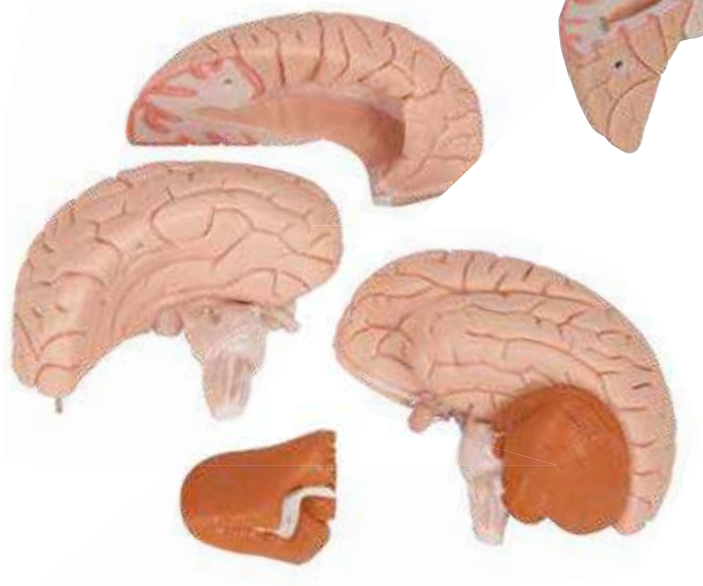
15 x 14 x 17,5 cm; 0,7 kg 1000222

3B SMART ANATOMY

ENCÉFALO CLÁSICO, DESMONTABLE EN 4 PIEZAS

Todas las estructuras de este encéfalo medianamente dividido están pintadas a mano.

14 x 14 x 17,5 cm; 0,9 kg 1000224





8 piezas

3B SMART ANATOMY

ENCÉFALO DE LUJO, DESMONTABLE EN 8 PIEZAS

Un modelo del encéfalo humano muy detallado dividido medianamente.

14 x 14 x 17,5 cm; 0,9 kg 1000225



3B SMART ANATOMY

CEREBRO NEURO-ANATÓMICO, DESMONTABLE EN 8 PIEZAS

Este encéfalo de lujo está dividido medianamente. En la mitad derecha, encontrará una agrupación y representación del lóbulo cerebral a color.

La mitad izquierda muestra:

- Región pre y poscentral
- Áreas de Broca y Wernicke
- Giro de Heschl
- Nervios cerebrales
- Ventrículos

Ambas mitades se pueden desmontar en:

- Lóbulos frontal y parietal
- Lóbulos temporal con occipital
- Mitad del tallo cerebral
- Mitad del cerebelo

14 x 14 x 17,5 cm; 0,95 kg **1000228**



¡Desmonte para ver con más detalle!

SECCIÓN DEL ENCÉFALO



Una sección aumentada y muy detallada a través de la mitad derecha del encéfalo, incluyendo una porción del cráneo. Se ha eliminado la piamadre. Tiene dos lados y está coloreado delicadamente. Una superficie está en la línea media, incluyendo una sección de la hoz del encéfalo. Un corte longitudinal en el reverso muestra el ventrículo lateral. El modelo incluye 49 referencias, identificables en las indicaciones en inglés. Sobre soporte.

25 x 18 x 12 cm; 0,9 kg **1005113**



3B SMART ANATOMY

CIRCULACIÓN DEL LÍQUIDO CEFALORRAQUÍDEO

Modelo aumentado y detallado de una sección de la mitad derecha del encéfalo, mostrando la piamadre, la aracnoides y la duramadre. El modelo muestra claramente las áreas del líquido cefalorraquídeo y la dirección del líquido está indicada con flechas. Coloreado expresamente para distinguir los detalles importantes. Sobre soporte. Con indicaciones en inglés.

25 x 18 x 12 cm; 0,9 kg **1005114**

3B SMART ANATOMY

VENTRÍCULO CEREBRAL

Este modelo muestra ambos ventrículos laterales, el 3º y 4º ventrículo y el acueducto cerebral (Silvio). Sobre soporte.

14 x 11 x 14 cm; 0,6 kg **1001262**





MODELO DE LAS REGIONES CEREBRALES

Nuestro más popular modelo de cerebro reproduce el cerebro de una persona diestra y emplea contrastes de colores e indicaciones escritas a mano para la localización e identificación de los centros funcionales motrices y sensoriales. El modelo no sólo resalta la función intelectual del dominante hemisferio cerebral izquierdo y la función creativa del derecho, sino que también pone de relieve las funciones del sistema límbico: emociones, sexualidad, memoria y aprendizaje. Se destacan las regiones sensoriales y centros que se encargan de 20 regiones corporales específicas, al igual que los centros motrices que controlan 19 regiones corporales.

23 x 20 x 30 cm; 2,38 kg **1005555**

› ¡PRÁCTICA MUY REALISTA CON ESTE GRAN MODELO DEL CEREBRO!

3B SMART ANATOMY

ENCÉFALO GIGANTE, 2,5 VECES EL TAMAÑO NATURAL, DESMONTABLE EN 14 PIEZAS



Un modelo integral de un encéfalo, muy útil como ayuda para la enseñanza, especialmente para grandes grupos de estudiantes. Todas las estructuras del encéfalo y los ventrículos se pueden ver a través de las divisiones medianas, frontales y trasversales. Sobre soporte desmontable.

- Esta protegido con un vinilo resistente.
- Catorce segmentos desmontables asegurados con clavos.
- Ideal para el estudio 3D de las estructuras cerebrales.
- Incluye base desmontable y manual detallado del producto.

34 x 30 x 37 cm; 5,6 kg **1001261**



CEREBRO DE RATA PARA COMPARACION DE ANATOMÍA

El modelo muestra el cerebro de una rata a 6 aumentos aproximadamente. Mediante una sección sagital media, el modelo es desmontable en dos mitades. La mitad derecha del modelo muestra tanto desde fuera como en la sección sagital media las estructuras del cerebro (Cerebrum), del cerebelo (Cerebellum) y del tronco cerebral (Truncus cerebri), los cuales, por motivos didácticos, se diferencian mediante distintos colores (cerebro = de color rosa, cerebelo = azul, tronco cerebral = amarillo). La mitad izquierda del modelo, en su mayor parte, es transparente, permitiendo así la visión del ventrículo lateral izquierdo y el hipocampo represesentados en color, los cuales también son visibles en la sección sagital media. En el soporte se encuentran, para fines de comparación, un vaciado natural del cerebro de una rata así como una reproducción didáctica de un cerebro humano a tamaño reducido y en sección sagital media, cuyas diferentes regiones se representan en igual forma mediante distintos colores.

14 x 10 x 16 cm; 0,24 kg **1000230**



3B SMART ANATOMY

EL SISTEMA NERVIOSO

Este modelo en relieve 1/2 de su tamaño natural muestra una representación esquemática del Sistema Nervioso Central y Periférico. Es un modelo excelente para estudiar la estructura del sistema nervioso humano. Sobre base.

80 x 33 x 6 cm; 3,5 kg 1000231

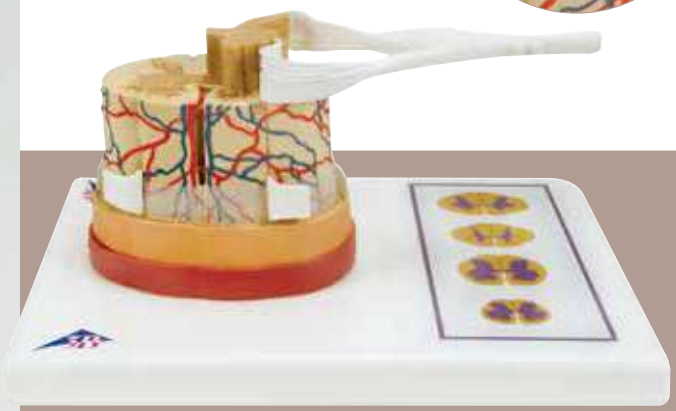
3B SMART ANATOMY

MODELO VERTEBRAL CON MÉDULA, 5 VECES SU TAMAÑO NATURAL

El modelo ilustra la composición de la médula espinal con terminaciones nerviosas. Para un estudio más fácil, el modelo es de 5 veces el tamaño natural. La médula espinal esta formado por un canal central que esta rodeado de “materia gris”. Con una capa exterior de la “materia blanca”. La base del modelo ofrece los ejemplos de la diversas secciones transversales de la médula espinal a través del blanco, de la materia gris, del cuello, el torso y las regiones lumbar y sacra.

26 x 19 x 13 cm; 0,4 kg 1000238







3B SMART ANATOMY

SERIE “FISIOLOGÍA DE LOS NERVIOS”,

5 MODELOS MAGNÉTICOS EN UN TABLERO METÁLICO ILUSTRADO

Esta serie de 5 modelos de 3B Scientific® es única en el mundo. Las secciones intercambiables ilustran las neuronas típicas halladas en los vertebrados. Todas las secciones se pueden pegar magnéticamente a la base ilustrada, la cual muestra los componentes neurales en colores vivos.

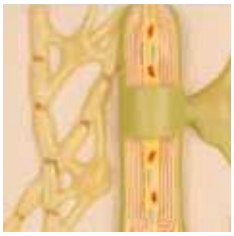
68 x 51 x 3 cm; 4,2 kg	1000232

Apartados individuales:



3B SMART ANATOMY CUERPO CELULAR DE LA NEURONA
Un cuerpo neuronal típico con orgánulos celulares.

12,2 x 11,7 x 6,2 cm; 0,2 kg	
	1000233



3B SMART ANATOMY VAINAS DE MIELINA DE EL SNC
Las células gliales que construyen la capa aislante alrededor de los axones del sistema nervioso central.

12,2 x 11,7 x 3,6 cm; 0,2 kg	
	1000234



3B SMART ANATOMY LAS CÉLULAS DE SCHWANN DEL SNP
De células de Schwann con un núcleo cortado.

12,2 x 11,7 x 6,2 cm; 0,2 kg	
	1000235



3B SMART ANATOMY PLACA MOTORA
Representa el cruce neuromuscular con estriado de fibra muscular.

12,2 x 11,7 x 6,2 cm; 0,2 kg	
	1000236



3B SMART ANATOMY SINAPSIS
Ofrece la endoplásmi-coretículo, mitocondrias y las membranas del espacio sináptico.

12,2 x 11,7 x 6,2 cm; 0,2 kg	
	1000237

› ¡MAGNIFICADA A MÁS DE 2.500 VECES SU TAMAÑO REAL!

DIORAMA DE UNA NEURONA MOTORA

Este modelo con un aumento de 2,500 veces el tamaño normal, muestra una imagen completa tridimensional de una célula nerviosa motora en un medio en el que se interconecta con otras neuronas y con fibras de músculos esqueléticos. Se ha extirpado la capa membranosa de la neurona para liberar su delicada estructura citológica, los organelos y los cuerpos de inclusión del interior del citoplasma. En la superficie de las neuronas sobresalen las ramificaciones de las dendritas, la sinapsis de comunicación y un axón recubierto de mielina con nódulos de Ranvier. Una parte del axón puede levantarse ligeramente, a fin de descubrir las finas capas adyacentes de las vainas de mielina y de la vaina de Schwann que lo rodean, así como las células de Schwann, que son las células formadoras de las vainas.



43 x 20 x 28 cm; 3 kg	1005553



3B SMART ANATOMY

OJO, 3 VECES SU TAMAÑO NATURAL, 6 PIEZAS

Este modelo es desmontable en:

- Ambas mitades de la esclerótica con sujetadores del músculo del ojo.
- Una mitad de la coroides con iris y retina.
- Lentes
- Humor vítreo

9 x 9 x 15 cm; 0,1 kg **1000259**



MODELO DE OJO

Modelo de ojo normal de tamaño ampliado con sección perpendicular que muestra la anatomía interna, incluido el nervio óptico, el disco, la mácula, la retina, la vena y la arteria centrales de la retina. Las lentes y la córnea son extraíbles.

12,7 x 7,6 x 10,2 cm **1019533**



3B SMART ANATOMY

OJO, 5 VECES SU TAMAÑO NATURAL, 6 PIEZAS

Las mismas partes desmontables que 1000259.

En base cuadrada:

- Mitad superior de la esclerótica con córnea y inserciones de los músculos del ojo.
- Ambas mitades de la coroides con iris y retina
- Lente
- Humor vítreo

13 x 14 x 21 cm; 0,6 kg **1000255**



3B SMART ANATOMY

OJO EN ÓRBITA, 5 VECES EL TAMAÑO NATURAL, 7 PIEZAS

Las mismas caracteristicas de 1000259

- En una base de órbita ósea.
- Mitad superior de la esclerótica con córnea y las inserciones musculares del ojo
- Ambas mitades de la coroides con iris y la retina
- Lente
- Muestra ósea orbital

18 x 18 x 20 cm; 1 kg **1000256**

3B SMART ANATOMY

OJO, CON PÁRPADO Y SISTEMA LAGRIMAL, 5 VECES SU TAMAÑO NATURAL, 8 PIEZAS



Todas las características de 1000259 más el sistema lagrimal, sobre base de órbita ósea:

- Mitad superior de la esclerótica concórnea y del músculo del ojo.
- Ambas mitades de la coroides con iris y retina
- Lentillas
- Humor vitreo
- Párpados
- Sistema Lagrimal anatómico alrededor del globo ocular

20 x 18 x 21 cm; 1,2 kg **1000257**



3B SMART ANATOMY

OJO, 3 VECES SU TAMAÑO NATURAL, 7 PIEZAS

Similar a 1000259, este modelo muestra adicionalmente el nervio óptico en su posición natural en su cuenca (piso y pared medial).

Para un estudio más detallado, se puede desmontar en:

- Ambas mitades de la esclerótica con córnea y las inserciones musculares del ojo
- Ambas mitades de la coroides con iris y la retina
- Lentillas
- Humor vitreo
- Órbita ósea

18 x 26 x 19 cm; 1,1 kg **1000258**

3B SMART ANATOMY

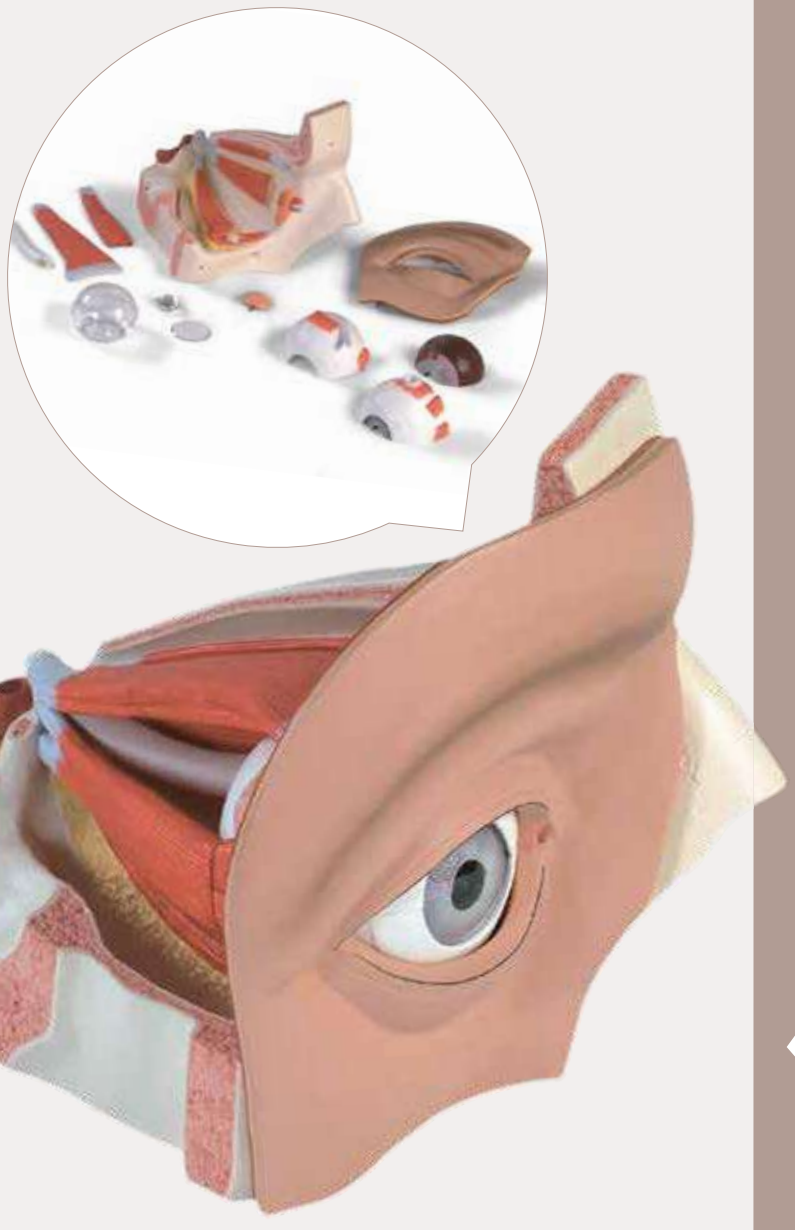
OJO, 5 VECES SU TAMAÑO NATURAL, 12 PIEZAS

Este modelo de ojo muestra el globo ocular con nervio óptico en su estado natural y su posición en la órbita ósea (piso y pared medial). Además, este modelo de ojo muestra la relación entre los ojos, huesos, músculos, y estructuras externas del ojo.

Desmontable en:

- Dos mitades de la esclerótica
- Nervio óptico
- Músculo recto superior
- Músculo recto lateral
- Mitad de la córnea
- Lentes
- Humor vítreo
- Glándula lagrimal
- Estructuras asociadas
- Orbita ósea

33 x 30 x 38 cm; 4,9 kg **1001264**





3B SMART ANATOMY

OJO PATOLÓGICO, 5 VECES SU TAMAÑO NATURAL

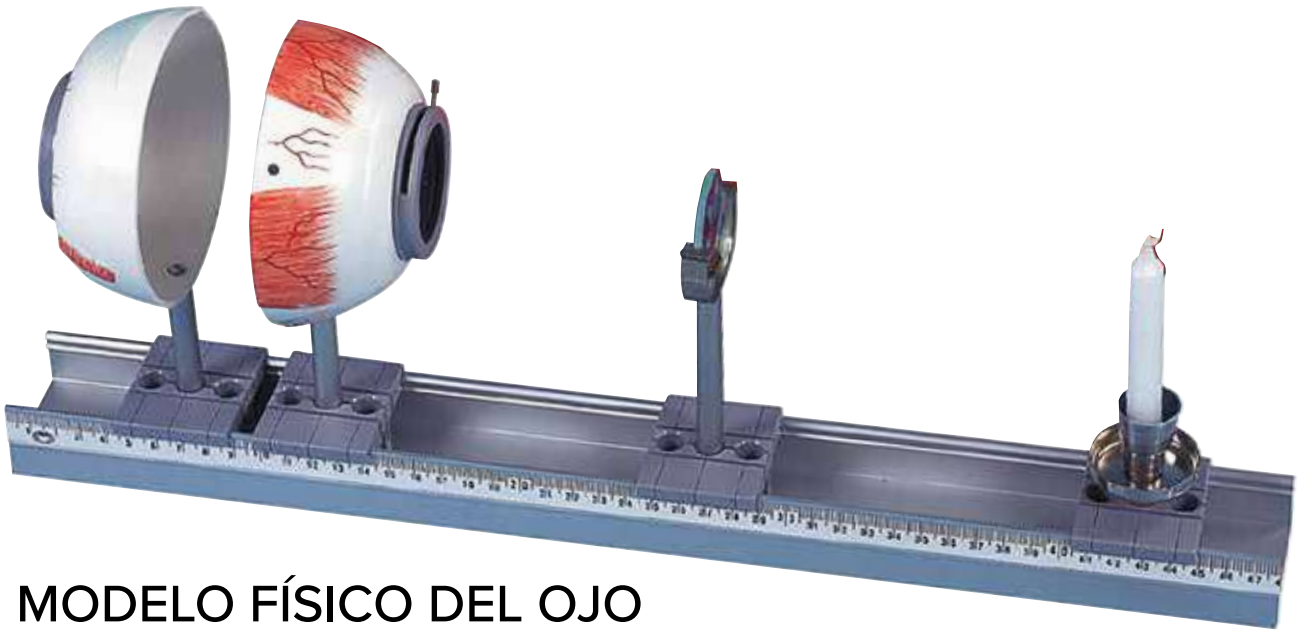
Dado su fácil manejo y repesentación sencilla (de una retina y el cristalino de quita y pon), se ha concebido claramente como un elemento didáctico, con el que mostrar al paciente las patologías que se enumeran a continuación y compararlas con el estado del ojo sano:

- Catarata subcapsular
- Catarata cortical
- Catarata nuclear
- Retinopatía diabética
- Retinopatía por hipertensión
- Alteraciones papilares por glaucoma
- Degeneración macular senil
- Edema papilar
- Regmatógeno

26 x 26 x 21 cm; 0,73 kg	1017230



La retina y la lente pueden ser fácilmente intercambiados



MODELO FÍSICO DEL OJO

Este modelo sirve para demostrar las funciones ópticas del ojo como, por ejemplo, la representación de un objeto en la retina, la acomodación (variaciones en la curvatura del cristalino), la miopía y la hipermetropía.

- Modelo de ojo a la mitad con diafragma de iris ajustable, soporte para lentes y 2 lentes convexas (f = 65 mm y 80 mm), en una barra
- Modelo de ojo a la mitad con retina (pantalla transparente), en una barra
- Soporte para lentes con una lente cóncava y una lente convexa correctiva, en una barra
- Portavelas con 2 velas, en una barra
- Riel de aluminio de 50 cm de largo con 4 abrazaderas deslizantes
- Incluye maletín de transporte

49 x 5,5 x 18 cm; 2 kg **1003806**

Capa nuclear interna y capa nuclear externa

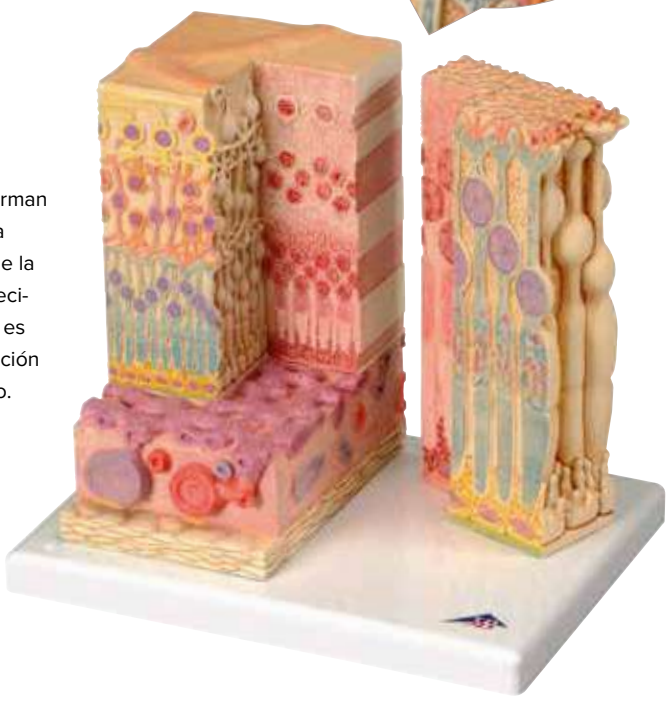


3B SMART ANATOMY

3B MICRO*anatomy*™ OJO

El modelo muestra la delicada estructura de los tejidos que forman la retina, junto a la coroides y la esclerótica. La parte izquierda del modelo ofrece la visión, a través del microscopio óptico, de la estructura completa de la retina con la red de vasos de abastecimiento y parte de la esclerótica. La parte derecha del modelo es una ampliación de la sección. Permite observar la fina distribución de los fotorreceptores y de las células del epitelio pigmentario.

25 x 23 x 18,5 cm; 1,2 kg **1000260**





3B SMART ANATOMY

MODELO DEL OÍDO PARA EL ESCRITORIO, 1,5 VECES SU TAMAÑO NATURAL

Representación del oído externo, medio e interno. Sobre base.

14 x 10 x 14,7 cm; 0,35 kg 1000252



3B SMART ANATOMY

OÍDO, 3 VECES SU TAMAÑO NATURAL, 4 PIEZAS

La representación del oído externo, medio e interno. Incluye tímpano desmontable con martillo, yunque, además del laberinto con canales semicirculares, nervio coclear y nervio vestíbulococlear. Sobre soporte.

34 x 16 x 19 cm; 1,25 kg 1000250



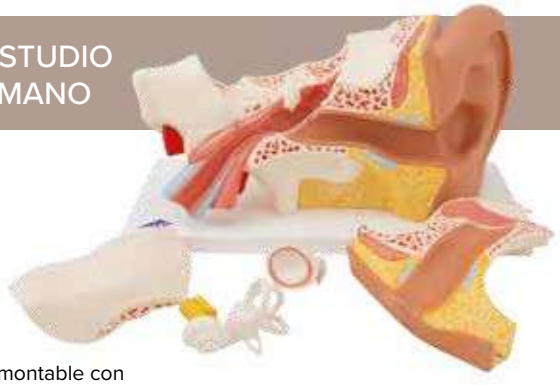
3B SMART ANATOMY

OÍDO GIGANTE, 5 VECES SU TAMAÑO NATURAL, 3 PIEZAS

Esta versión es una increíble representación de 5 veces el tamaño natural del oído. Incluye representaciones de oído externo, Oído medio, oído interno, osículos desmontables, laberintos con nervio coclear y vestibulococlear.

25 x 41 x 25 cm; 3 kg 1008553

› LAS PIEZAS SON DESMONTABLES PARA EL ESTUDIO DETALLADO DE LA ANATOMÍA DEL OÍDO HUMANO



3B SMART ANATOMY

OÍDO, 3 VECES SU TAMAÑO NATURAL, 6 PIEZAS

La representación del oído externo, medio e interno. Incluye tímpano desmontable con martillo y yunque, además del laberinto con canales semicirculares, nervio coclear y nervio vestíbulococlear. Adicionalmente incluye secciones óseas desmontables para cerrar el oído medio e interno. Sobre soporte.

34 x 16 x 19 cm; 1,55 kg 1000251





MODELO TRANSPARENTE DE OÍDO

El modelo transparente de oído es un modelo a tamaño real del oído humano que permite ver el canal auditivo, la membrana timpánica, los estribos, el yunque, el martillo y la cóclea del oído interno.

7,9 x 7,6 x 5,8 cm 1019527

MODELO DE OÍDO

Este modelo de oído a tamaño natural muestra los canales semicirculares del oído interno, los osículos auditivos del oído medio, la membrana timpánica, los músculos temporal y tensor del tímpano.

9,5 x 6,4 x 7 cm 1019526



3B SMART ANATOMY

ÓRGANO DE CORTI

El modelo muestra una sección tridimensional a través del órgano de Corti. El sentido del oído desde su interior. Se ha dado una especial atención en la representación muy detallada de los componentes celulares individuales y de las membranas. Este modelo ofrece en primer plano una visión general de la localización exacta del órgano en la cóclea.

26 x 19 x 26 cm 1010005



3B SMART ANATOMY

MODELO DE HUESECILLOS – 20 VECES DE TAMAÑO NATURAL 3B BONE*like*™

Los tres huesos más pequeños están unidos entre sí. Se localizan en el oído medio y se conocen como la cadena de huesecillos: martillo, yunque y el estribo. Se utilizo un molde original y la técnica micro CT. Este modelo de tamaño natural 20 veces. En 3B BONE*like*™ calidad.

17 x 12 x 21 cm; 0,39 kg 1009697



3B SMART ANATOMY

MODELO DE HUESECILLOS – 20 VECES DE TAMAÑO NATURAL

17 x 12 x 21 cm; 0,39 kg 1012786



OSÍCULOS AUDITIVOS DE TAMAÑO NATURAL

Los osículos auditivos humanos están incrustados individualmente en un plástico transparente.

0,05 kg 1000253

3B SMART ANATOMY

EL OÍDO MÁS GRANDE DEL MUNDO,

15 VECES SU TAMAÑO NATURAL, 3 PIEZAS

Con 15 veces su tamaño natural, este oído de 3 piezas es apto para auditorios grandes, museos y colecciones especiales. Es una representación del oído externo, medio e interno. Los osículos, el laberinto con nervios coclear y vestíbulococlear son desmontables y pueden estudiarse con detalle. Montado en una base.

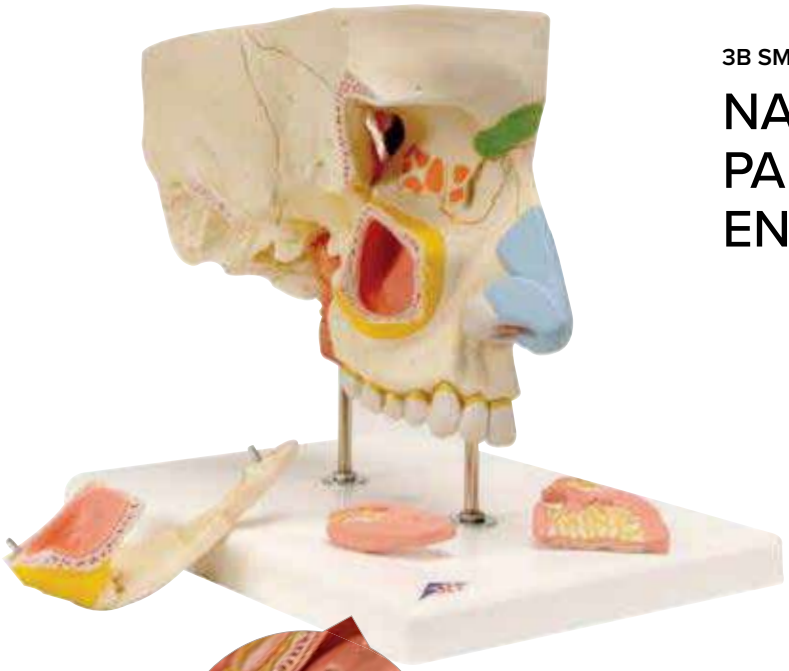
130 x 120 x 60 cm; 72 kg 1001266

› ¡ EL OÍDO MÁS GRANDE DEL MUNDO !



Es desmontable la cadena de huesecillos del oído y el laberinto







Seno maxilar abierto

3B SMART ANATOMY

NARIZ CON CAVIDADES PARANASALES, DIVIDIDA EN 5 PARTES

El modelo permite visualizar la estructura de la nariz en una ampliación de 1,5, con las cavidades paranasales en el interior de una mitad derecha superior del rostro.

Por medio de colores (también a través de la piel, removible y transparente) la representación exterior muestra:

- El cartílago nasal externo
- La cavidad nasal, con los senos maxilar, frontal y esfenoidal
- El seno maxilar abierto y con el arco cigomático retirado

La representación del corte medio muestra:

- La cavidad nasal cubierta de mucosa con las conchas nasales (removibles)
- Las arterias de la mucosa
- Los nervios olfativos
- Las inervaciones de la pared lateral de la cavidad nasal, de las conchas nasales y del paladar

26 x 19 x 24 cm; 0,8 kg 1000254



SECCIÓN TRANSVERSAL DEL SENO NASAL

El modelo de seno nasal es un modelo normal a tamaño real con sección perpendicular prácticamente media que corta la nariz y las fosas nasales. Detalles de cavidad nasal, paladar blando y duro, úvula, trompa de eustaquio y amígdala faríngea. La cara opuesta muestra y los senos etmoidal y maxilar.

11,4 x 1,6 x 13,3 cm 1019537



MODELO DE TIROIDES

Conjunto de cuatro tiroides de tamaño medio y una laringe. Los modelos incluyen: tiroides normal, tiroides de Hashimoto (tiroiditis linfocítica), enfermedad de Graves, carcinoma papilar y las estructuras siguientes: hueso hioides, membrana tiroides, cartílago tiroideo, cartílago cricoide y tráquea.

1019548

3B SMART ANATOMY

LARINGE, 2 PIEZAS



Este modelo cortado medianamente muestra:

- Laringe
- Hueso hioides
- Tráquea
- Ligamentos
- Músculos
- Vasos
- Nervios
- Glándula tiroides

14 x 14 x 28 cm; 0,29 kg 1000273

3B SMART ANATOMY

LARINGE, 2 VECES SU TAMAÑO NATURAL, 7 PIEZAS



Este modelo cortado medianamente muestra:

- Laringe
- Hueso hioides
- Tráquea
- Ligamentos
- Músculos
- Vasos
- Nervios
- Glándula tiroides

12 x 12 x 23 cm; 0,87 kg 1000272



3B SMART ANATOMY

LARINGE FUNCIONAL, 2,5 VECES SU TAMAÑO NATURAL

La epiglotis, cuerdas vocales y cartílago aritenoides son desmontables para demostrar sus funciones.

9 x 9 x 14 cm; 0,66 kg 1013870



3B SMART ANATOMY

LARINGE FUNCIONAL, 3 VECES SU TAMAÑO NATURAL

¡El modelo funcional es una herramienta excelente para la terapia del habla! Este modelo funcional de la laringe muestra la epiglotis, las cuerdas vocales y los cartílagos aritenoides. Estas partes son móviles y son ideales para fines de demostración.

Con epiglotis, cuerdas vocales y cartílago aritenoides desmontables. Sobre base.

32 x 13 x 15 cm; 0,97 kg 1001242

3B SMART ANATOMY

AFECCIÓN DENTAL, A 2 AUMENTOS, DE 21 PIEZAS



¡Aumentado para una fácil demostración! El modelo se basa en una reproducción fiel, a 2 aumentos, de una mandíbula de un adulto con 16 dientes separables. Una de las mitades del modelo representa 8 dientes sanos y encía sana.

La otra mitad del modelo representa las siguientes afecciones dentales:

- Placa dental
- Sarro dental
- Parodontitis
- Inflamación de la raíz dental
- Caries de fisuras, caries de superficies proximales y caries de superficies lisas.

La parte ósea anterior es parcialmente desmontable para hacer visibles las raíces dentales, vasos y nervios. Dos de las muelas están divididas longitudinalmente para hacer visible el interior del diente. Se suministra sobre base.

17,5 x 26 x 18,5 cm; 0,6 kg **1000016**



› IDEAL PARA ENSEÑAR TÉCNICAS ADECUADAS DE LIMPIEZA UTILIZANDO EL CEPILLO DE DIENTES GIGANTE QUE VIENE INCLUIDO CON ESTE MODELO



3B SMART ANATOMY

MODELO DE CUIDADO DENTAL, 3 VECES SU TAMAÑO NATURAL

Ideal para la demostración de técnicas para el cuidado de los dientes ante una clase completa. Suministramos con el modelo un cepillo de dientes gigante. Las dos mandíbulas son montadas flexiblemente y son apropiadas para la demostración de la dentadura superior e inferior.

18 x 23 x 12 cm; 1,5 kg **1000246**



Soporte en forma de una mandíbula

MODELO DE PRÓTESIS DENTAL, 7 PIEZAS, 10 VECES SU TAMAÑO NATURAL – INGLÉS

Este modelo es 10 veces su tamaño natural con incisivo lateral, canino, primer molar, puente hecho con corona de oro, y segundo molar. Todas las estructuras relevantes están descritas.

70 x 25,5 x 15 cm; 2,1 kg **1005540**

› ESCANEE EL CÓDIGO QR EN LA PÁGINA 4 Y OBTENGA MÁS INFORMACIÓN SOBRE 3B SMART ANATOMY.

3B SMART ANATOMY

A. MITAD DE LA MANDÍBULA INFERIOR,

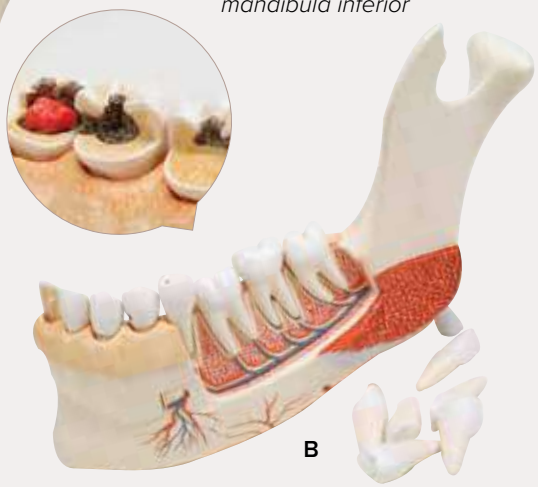
3 VECES SU TAMAÑO NATURAL, 6 PIEZAS

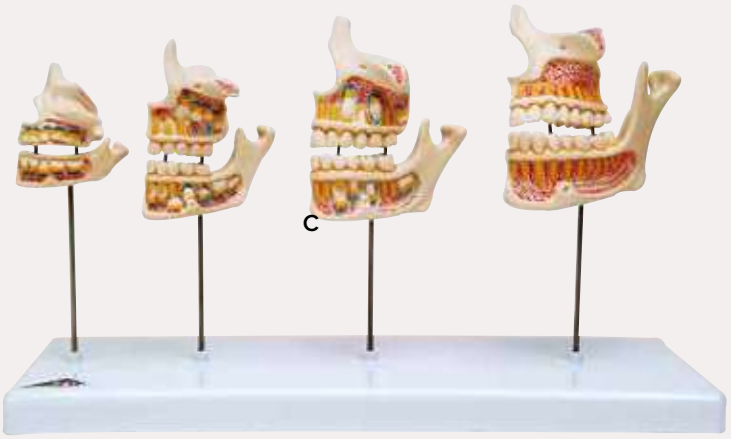
Este modelo representa la mitad de la mandíbula izquierda de una persona joven. Una sección del hueso es desmontable para exponer las raíces de los dientes, espongiosa, vasos y nervios. Los caninos y el primer molar están cortados longitudinalmente. Sobre soporte.

35 x 18 x 36 cm; 1,2 kg 1000249



Los dientes son extraíbles de la mitad de la mandíbula inferior





3B SMART ANATOMY

B. MITAD DE LA MANDÍBULA INFERIOR CON 8 DIENTES CARIADOS, 19 PIEZAS

Estos dientes enfermos muestran varias etapas de caries desde un ejemplo fácil de tratar hasta una destrucción avanzada de un molar con raíz expuesta. Con este modelo puede mostrar de forma muy impresionante la importancia de usar técnicas correctas para el cuidado de los dientes.

22 x 32 x 9 cm; 1,1 kg 1001250

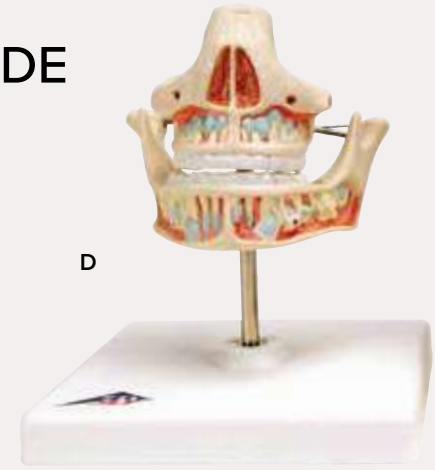
3B SMART ANATOMY

C. DESARROLLO DE LA DENTADURA

Vaciado en molde de una muestra natural. Estas 4 mitades de mandíbula superiores e inferiores muestran 4 diferentes etapas de desarrollo:

- Recién nacido
- Niño de 5 años, aprox.
- Niño de 9 años, aprox.
- Joven adulto

33 x 10 x 20 cm; 0,5 kg 1000248



3B SMART ANATOMY

D. DENTADURA DE LECHE

La mandíbula superior e inferior está abierta para mostrar la disposición de los dientes restantes. Sobre soporte.

13 x 12 x 13 cm; 0,6 kg 1001248

3B SMART ANATOMY

E. DENTADURA DE ADULTO

Las raíces de los dientes, espongiosa, vasos y nervios son expuestos. La mandíbula inferior es móvil. Sobre soporte.

16 x 12 x 13 cm; 0,9 kg 1001247

Mandíbula inferior movible









3B SMART ANATOMY

MOLAR SUPERIOR, 5 PIEZAS

Este modelo muestra un molar superior extremadamente aumentado con tres raíces, que se puede desmontar en 5 piezas. Incluye un corte longitudinal a través de la corona, las dos raíces y la cavidad pulpar. Contiene una pulpa desmontable y tres opciones intercambiables con diferentes etapas de caries avanzada. Sobre soporte.

24 x 12 x 13 cm; 1,5 kg **1013215**

3B SMART ANATOMY

MODELOS DE DIENTES CLÁSICOS INDIVIDUALES

Estos modelos muestran cinco tipos representativos de la dentición adulta montados individualmente en soportes extraíbles:

- Incisivo inferior de 2 piezas con corte longitudinal.
- Canino inferior de 2 piezas con corte longitudinal.
- Primer molar inferior de raíz sencilla.
- Molar inferior de 2 partes de doble raíz con la sección longitudinal que muestra el ataque de la caries.
- Molar superior de 3 partes de raíz triple con la sección longitudinal con inserto de caries.

› ¡CADA DIENTE DE ESTE CONJUNTO ESTÁ DISPONIBLE INDIVIDUALMENTE!

La serie tiene un rango de 23–29 cm. Cada diente entregado sobre una base.

1017588



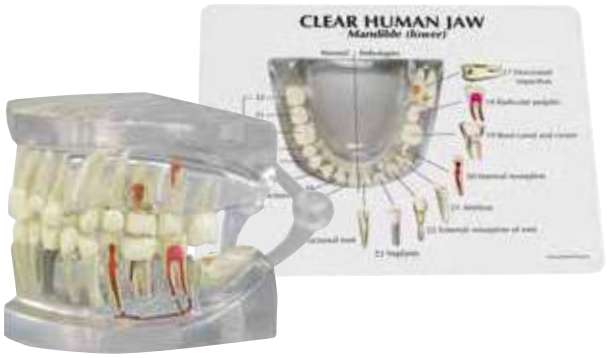
3B SMART ANATOMY INCISIVO INFERIOR, 2 PIEZAS	3B SMART ANATOMY CANINO INFERIOR, 2 PIEZAS	3B SMART ANATOMY PRIMER MOLAR INFERIOR DE RAÍZ SENCILLA	3B SMART ANATOMY MOLAR INFERIOR CON 2 RAÍCES	3B SMART ANATOMY MOLAR SUPERIOR CON 3 RAÍCES
1000240	1000241	1000242	1000243	1017580



CRÁNEO CON DIENTES PARA HACER EXTRACCIONES, 4 PARTES

Los dientes se pueden extraer uno a uno con la raiz completa y volver a colocar en su sitio. Una abertura en el hueso facilita la apertura de la mandíbula derecha para ver las raices de los dientes, la esponjosa, los conductos nerviosos y una muela del juicio.

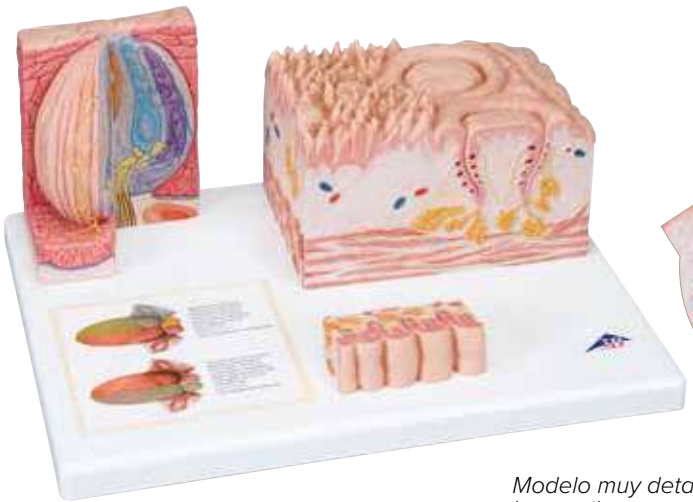
22 x 13,5 x 17 cm; 0,8 kg **1003625**

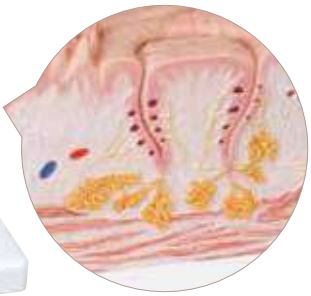


MODELO DE MANDÍBULA HUMANA TRANSPARENTE CON DIENTES

Mandíbula a tamaño real moldeada, articulada y transparente para mostrar las raíces. La parte sana muestra una dentición y oclusión normales. La parte afectada presenta múltiples patologías, entre las cuales: supererupción, absceso alveolar apical con caries, enfermedad periodontal, absceso lateral, abfracción, curvatura irregular de la raíz, caninos incluidos, erosión, fractura dental, inclusión horizontal, pulpitis radicular, conducto radicular con corona, reabsorción interna, atrición, reabsorción radicular externa, implantes y fractura radicular.

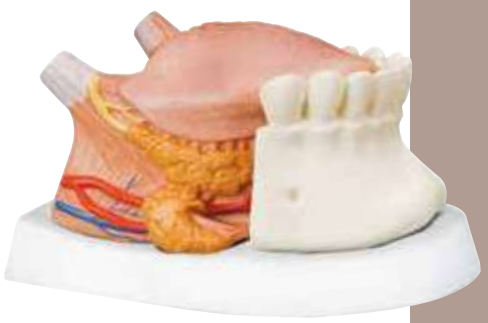
7,1 x 6,4 x 6,4 cm **1019540**





Modelo muy detallado que muestra las papilas gustativas de la lengua

Se separa fácilmente



3B SMART ANATOMY

LENGUA – 3B MICRO*anatomy*™

El nuevo modelo de nuestra serie 3B MICRO*anatomy*™, la lengua, convence por los diferentes aumentos de zonas especiales de la lengua en un sólo modelo. Incluye la representación macroscópica de la lengua a tamaño natural (vista dorsal), la representación microscópica de todas las papilas gustativas (aumentadas 10–20 veces) y un bulbo gustatorio (aumentado aprox. 450 veces). Todas las vistas están montadas en una base en la que se muestra una vista general de la inervación sensorial y sensible de la lengua.

14.5 x 32.5 x 20 cm; 0.8 kg **1000247**

3B SMART ANATOMY

MODELO DE LA LENGUA, 4 PIEZAS

En este modelo se aprecia la mandíbula hasta el segundo molar, la lengua con musculatura del piso de la boca en el corte y la glándula derecha sublingual y submandibular. Desmontable, sobre soporte.

23 x 17 x 16 cm; 0.8 kg **1002502**

› SERIE DE MODELOS CLÁSICOS DEL CORAZÓN

+ Las piezas son desmontables
+ Ideal para la educación del paciente
+ Material prácticamente irrompible



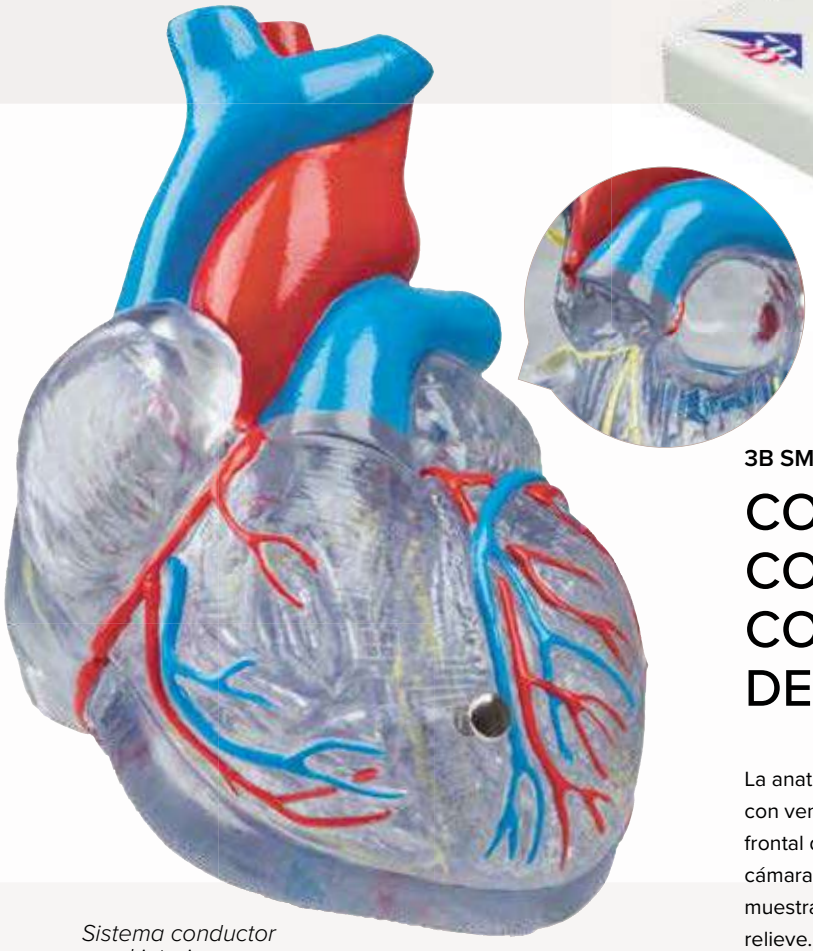
3B SMART ANATOMY

CORAZÓN CLÁSICO, EN 2 PIEZAS

La anatomía del corazón humano es exhibida en gran detalle con ventrículos, aurículas, válvulas, venas y la aorta. La pared frontal del corazón puede ser desmontada para mostrar las cámaras y las válvulas interiores.

Con base desmontable.

19 x 12 x 12 cm; 0,3 kg **1017800**



Sistema conductor en el interior

3B SMART ANATOMY

CORAZÓN CLÁSICO CON EL SISTEMA CONDUCTOR, DE 2 PIEZAS

La anatomía del corazón humano es exhibida en gran detalle con ventrículos, aurículas, válvulas, venas y la aorta. La pared frontal del corazón puede ser desmontada para mostrar las cámaras y las válvulas interiores. Este modelo transparente muestra las arterias y venas más importantes en color a relieve.

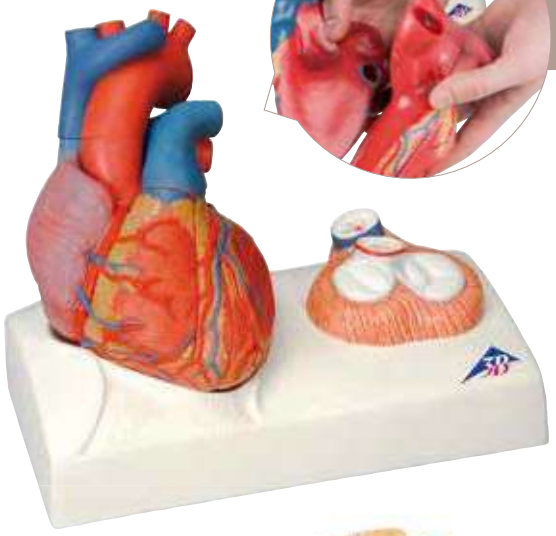
Con base desmontable.

19 x 12 x 12 cm; 0,2 kg **1019311**

Pintado a mano con colores realistas.



› MODELO DE TAMAÑO NATURAL REALIZADO A PARTIR DE MUESTRAS REALES



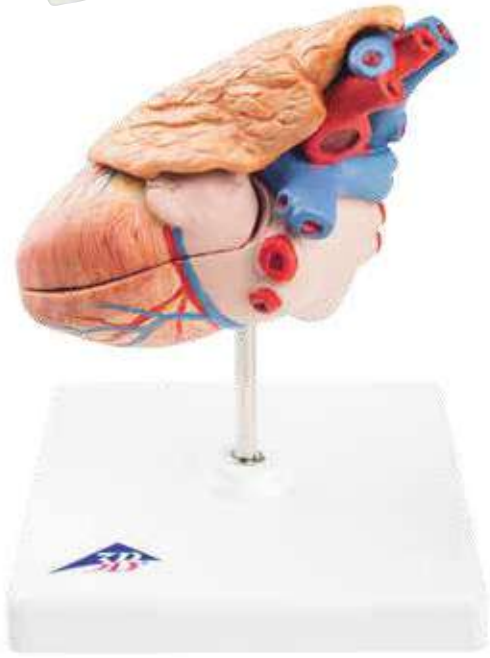
3B SMART ANATOMY

MODELO DE CORAZÓN

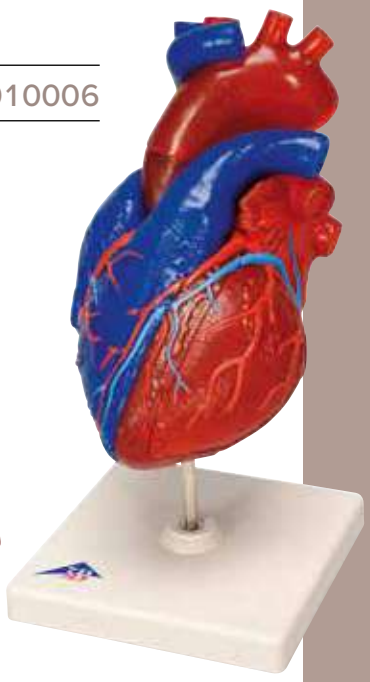
El modelo de corazón de 5 piezas es un moldeado de precisión elaborado con fines didácticos a partir de un preparado humano real. El modelo y la representación detallada de las válvulas cardíacas durante la fase de sístole se presentan sobre una base. Visite nuestra página online para una descripción completa del producto.

- Fácil de abrir, unión con imanes
- Modelo extremadamente detallado de tamaño natural
- Moldeada a partir de muestras reales
- Programas de tanto diastólica y sistólica

25 x 21 x 13 cm; 1,52 kg **1010006**







› TIMO

3B SMART ANATOMY

CORAZÓN CLÁSICO CON TIMO, DE 3 PIEZAS

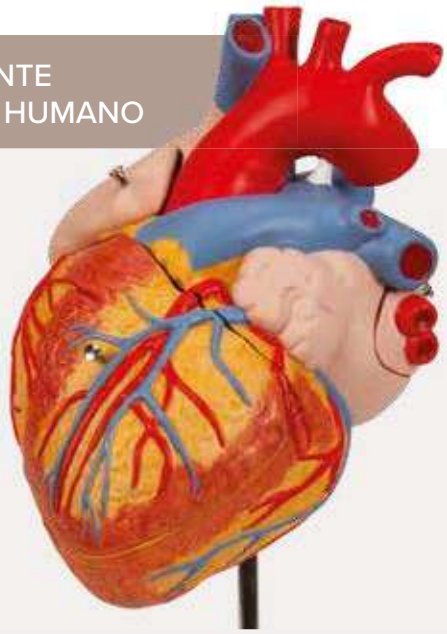
20 x 12 x 12 cm; 0,3 kg **1000265**

3B SMART ANATOMY

MODELO DE CORAZÓN PINTADO CON FINES DIDÁCTICOS, MAGNÉTICO, TAMAÑO REAL, 5 PIEZAS

Invierta en calidad con este modelo único de corazón compuesto por 5 piezas y fabricado por 3B Scientific. Realizado a partir del molde de un corazón real y preparado, desde el punto de vista didáctico, para facilitar la comprensión de la anatomía del corazón y su flujo sanguíneo. Una disección en el plano medio permite hacer demostraciones de manera sencilla. La distribución de colores y el desmontaje del modelo de corazón obedecen a fines didácticos. Las cavidades y los vasos cardíacos (vasos coronarios incluidos) que conducen la sangre rica en oxígeno aparecen pintados de color rojo. Las cavidades y los vasos cardíacos que conducen la sangre desoxigenada aparecen en color azul.

13 x 19 cm; 0,6 kg **1010007**



3B SMART ANATOMY

CORAZÓN, 2 VECES SU TAMAÑO NATURAL, EN 4 PIEZAS

Este modelo de corazón gigante aumentado dos veces su tamaño natural permite realizar una fácil identificación de todas sus estructuras y es una ayuda perfecta para grandes salones de clase o de conferencias. La anatomía del corazón humano es exhibida en gran detalle con ventrículos, aurículas, válvulas, venas y la aorta. La pared frontal del corazón es desmontable y adicionalmente el apéndice auricular derecho y el techo de la aurícula izquierda son también desmontables. Con soporte desmontable.

32 x 18 x 18 cm; 1,3 kg — 1000268

3B SMART ANATOMY

CORAZÓN, EN 7 PIEZAS

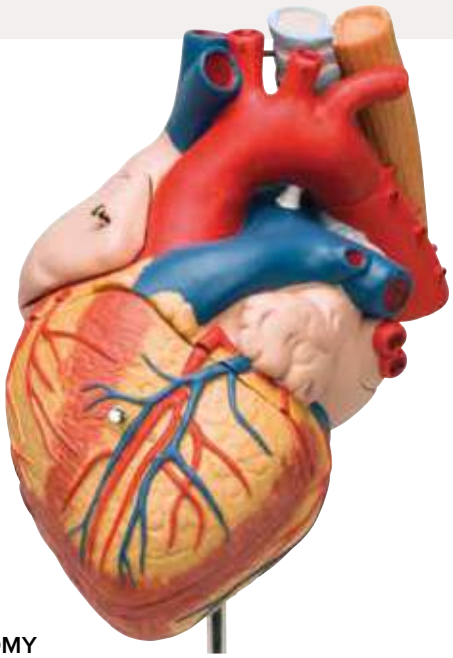
Este modelo muestra la anatomía del corazón humano y está partido horizontalmente a nivel del plano valvular.

Las siguientes partes son desmontables:

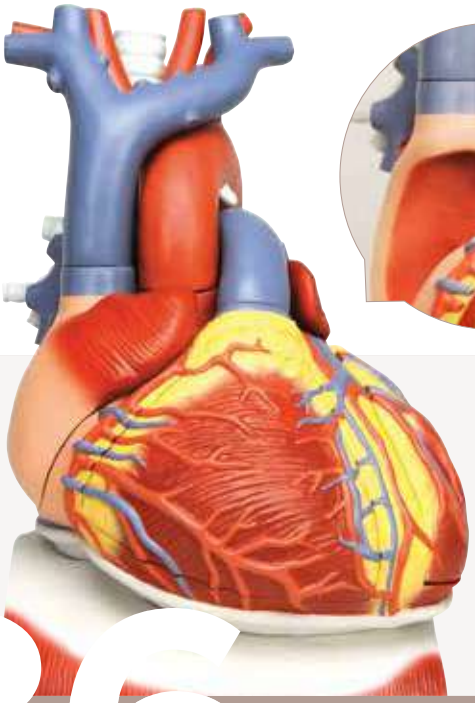
- Esófago
- Tráquea
- Vena cava superior
- Aorta
- Pared anterior del corazón
- Mitad superior del corazón

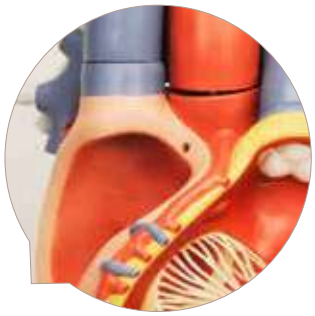
Con soporte.





41 x 33 x 28 cm; 3,6 kg — 1008547



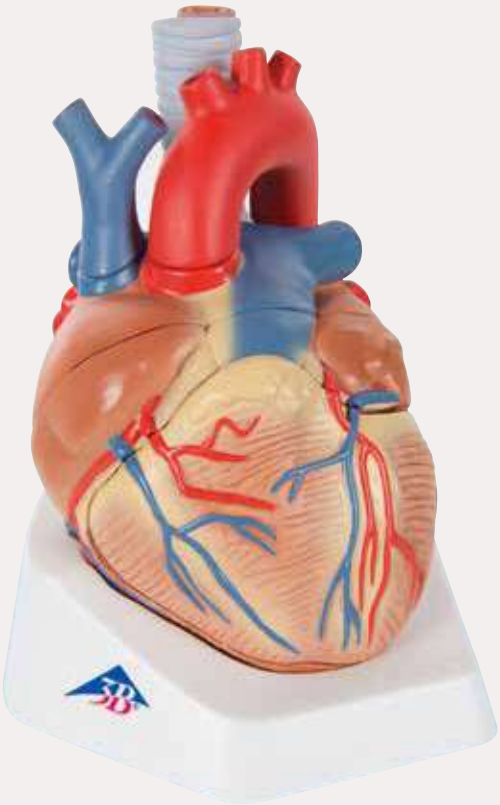


3B SMART ANATOMY

CORAZÓN CON ESÓFAGO Y TRÁQUEA, 2 VECES SU TAMAÑO NATURAL, EN 5 PIEZAS

La sección superior del esófago, la aorta ascendente así como también la tráquea hasta su bifurcación son desmontables. Este modelo de corazón gigante aumentado dos veces su tamaño natural permite realizar una fácil identificación de todas sus estructuras y es una ayuda perfecta para grandes salones de clase o de conferencias. La anatomía del corazón humano es exhibida en gran detalle con ventrículos, aurículas, válvulas, venas y la aorta. La pared frontal del corazón es desmontable y adicionalmente el apéndice auricular derecho y el techo de la aurícula izquierda son también desmontables. Con soporte desmontable.

32 x 18 x 18 cm; 1,3 kg — 1000269



3B SMART ANATOMY

CORAZÓN, ESCALA 1,5 DEL TAMAÑO REAL, 7 PIEZAS

Este modelo muestra la anatomía del corazón humano y está partido horizontalmente a nivel del plano valvular.

Las siguientes partes son desmontables:

- Esófago
- Tráquea
- Vena cava superior
- Aorta
- Pared anterior del corazón
- Mitad superior del corazón

Con soporte.

20 x 15 x 17 cm; 1,1 kg	1008548



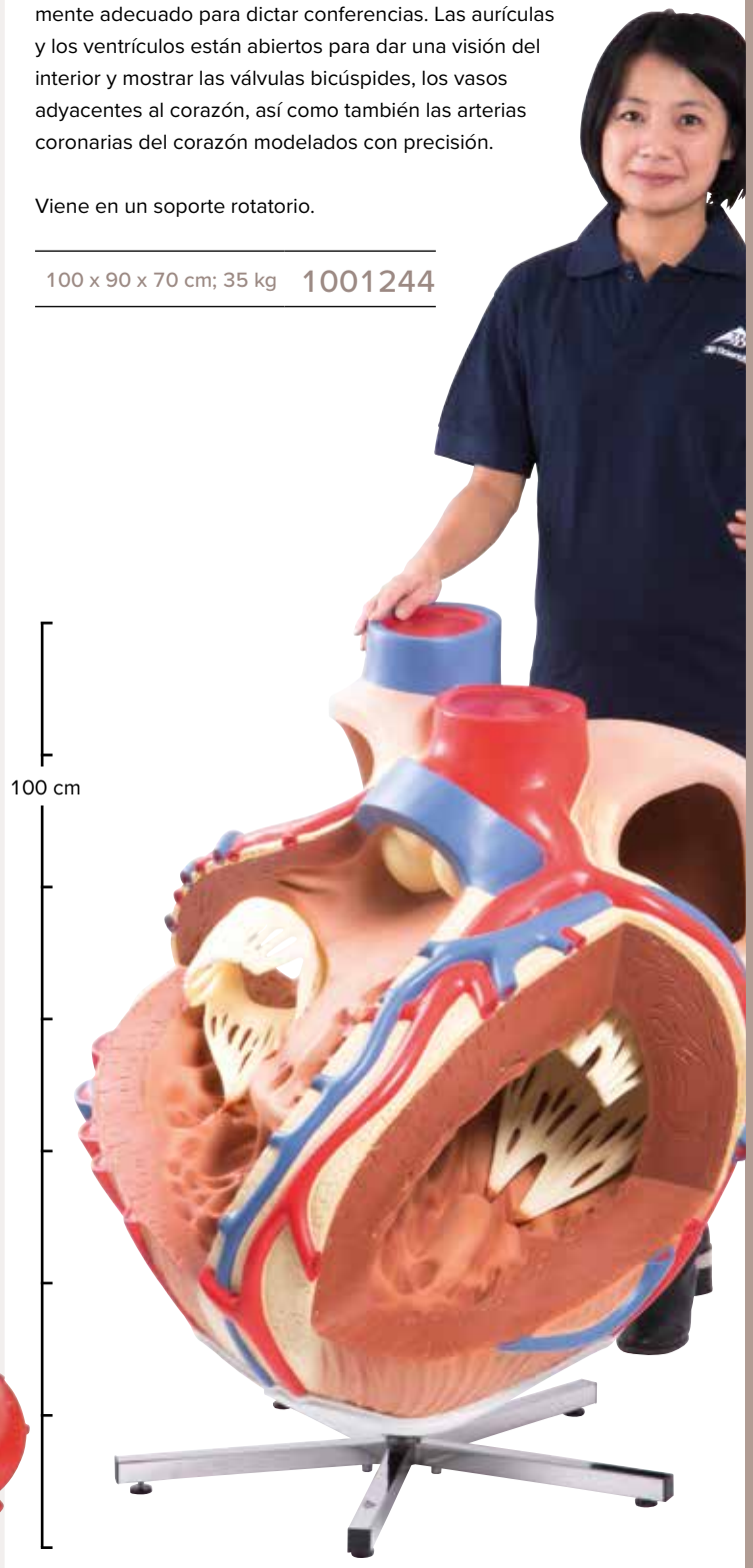
3B SMART ANATOMY

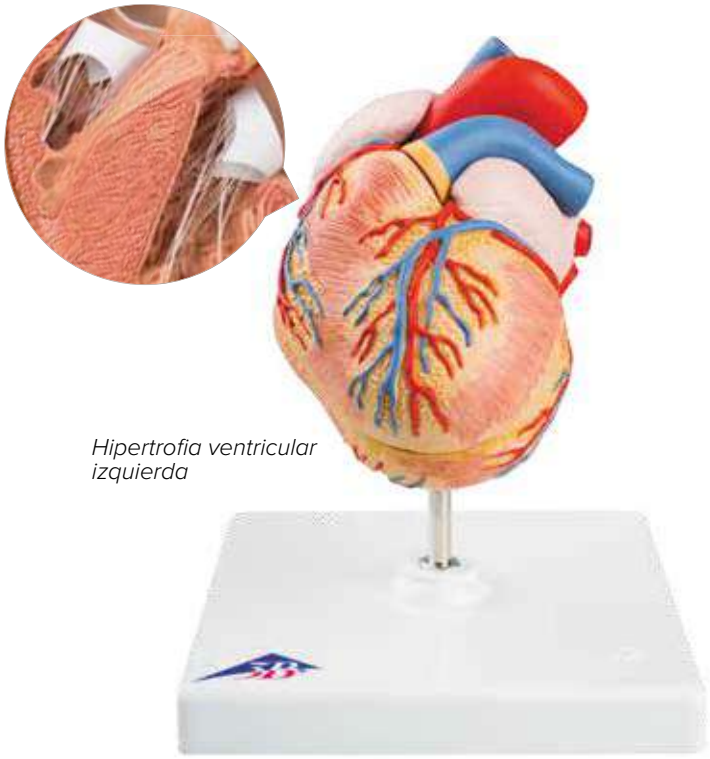
CORAZÓN GRANDE, 8 VECES SU TAMAÑO NATURAL

Con este modelo gigante se puede apreciar cada detalle del corazón. Construido meticulosamente a mano, este corazón será el centro de atención de cualquier exposición y es especialmente adecuado para dictar conferencias. Las aurículas y los ventrículos están abiertos para dar una visión del interior y mostrar las válvulas bicúspides, los vasos adyacentes al corazón, así como también las arterias coronarias del corazón modelados con precisión.

Viene en un soporte rotatorio.

100 x 90 x 70 cm; 35 kg	1001244





Hipertrofia ventricular izquierda

› HIPERTROFIA

3B SMART ANATOMY

CORAZÓN CLÁSICO CON HIPERTROFIA VENTRICULAR IZQUIERDA (HVI), EN 2 PIEZAS

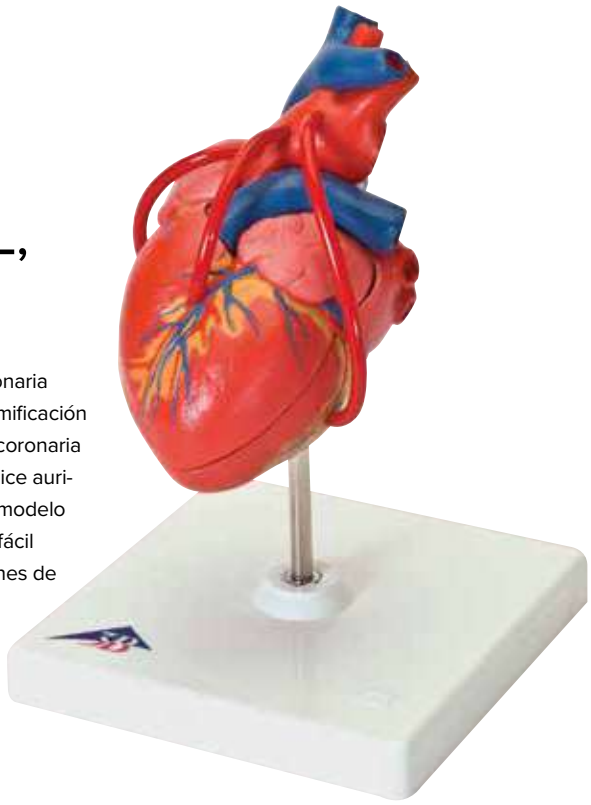
La pared frontal del corazón puede ser desmontada para mostrar las cámaras y las válvulas interiores. Un modelo muy detallado a un precio que le va a encantar. La musculatura de la pared ventricular izquierda está engrosada en forma considerable y la punta del corazón se encuentra visiblemente redondeada. Con base desmontable.

12 x 12 x 14 cm; 0,45 kg **1000261**

› BYPASS

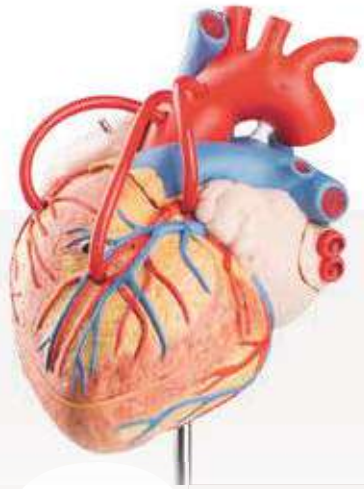
3B SMART ANATOMY

CORAZÓN CON BYPASS, 2 VECES EL TAMAÑO NATURAL, DE 4 PIEZAS



Este modelo muestra un bypass venoso a la rama postero-lateral de la arteria coronaria derecha, a la rama interventricular anterior de la arteria coronaria izquierda con ramificación a la rama diagonal, así como también un bypass a la rama circunfleja de la arteria coronaria izquierda. La pared frontal del corazón es desmontable y adicionalmente el apéndice auricular derecho y el techo de la aurícula izquierda son también desmontables. Este modelo de corazón gigante aumentado dos veces su tamaño natural permite realizar una fácil identificación de todas sus estructuras y es una ayuda perfecta para grandes salones de clase o de conferencias.

32 x 18 x 18 cm; 1,1 kg **1000263**



3B SMART ANATOMY

CORAZÓN CLÁSICO CON BYPASS, EN 2 PIEZAS

La anatomía del corazón humano es exhibida en gran detalle con ventrículos, aurículas, válvulas, venas y la aorta. La pared frontal del corazón puede ser desmontada para mostrar las cámaras y las válvulas interiores. Adicionalmente muestra bypass venoso a la arteria coronaria derecha, hasta la rama interventricular anterior y la rama circunfleja de la arteria coronaria izquierda. Con base desmontable.

19 x 12 x 12 cm; 0,35 kg **1017837**

› MEDIOS DE ENSEÑANZA MUY PRECISOS DEL SISTEMA CIRCULATORIO



3B SMART ANATOMY 3B MICRO*anatomy*™ ARTERIA Y VENA – MAGNIFICACIÓN DE 14 VECES

Este modelo magnificado 14 veces representa, una arteria muscular de diámetro mediano con las dos venas contiguas de la zona del antebrazo con el tejido adiposo y músculo vecinos. Sirve para ilustrar las relaciones anatómicas entre la arteria y la vena así como las técnicas funcionales básicas de las válvulas venosas. La vena izquierda y la arteria en el centro están fenestradas en su respectivo segmento superior anterior, de manera que se pueden ver las diferentes capas de la estructura parietal en sección transversal y longitudinal así como desde arriba. La vena derecha se representa completamente abierta en su segmento anterior, lo cual permite ver el área de la desembocadura de una vena aferente y dos válvulas venosas, las cuales, por su forma de válvulas semilunares.

26 x 19 x 18,5 cm; 0,9 kg **1000279**



SECCIONES ARTERIALES (4) (VISIÓN AMPLIADA), CON ASA

Sección transversal en cuatro fases de una arteria con arterioesclerosis en la cual el estrechamiento de la misma se debe a la acumulación de tejido adiposo (colesterol) y placa. Cuatro fases: arteria normal, estría adiposa, placa fibrosa, y bloqueo. Las distintas fases ocasionan un descenso del riego sanguíneo, lo cual puede provocar coágulos o trombos. Todas las fases rotan sobre un eje.

8,1 x 3,2 x 4,6 cm **1019532**



3B SMART ANATOMY MODELO DE ARTERIOSCLEROSIS CON SECCIÓN TRANSVERSA DE LA ARTERIA, EN 2 PIEZAS

Los cambios en los vasos sanguíneos debidos a la arteriosclerosis pueden ser explicados con este modelo. Una disección horizontal de la bifurcación arterial es exhibida con cambios de arteriosclerosis en 4 estados diferentes, desde un mínimo sedimento hasta un vaso completamente ocluido. Montado en base.

14 x 10 x 7 cm; 0,2 kg **1000278**



CONJUNTO DE HIPERTENSIÓN

El conjunto de hipertensión incluye una miniatura de los modelos de cerebro, ojo, corazón, riñón y arterias. Las tarjetas informativas ilustran los efectos asociados a la hipertensión: patologías oculares, arterioesclerosis, placa arterial, insuficiencia renal e infarto.

16,5 x 12,7 x 27,9 cm **1019572**



3B SMART ANATOMY SISTEMA CIRCULATORIO

Este modelo en relieve, 1/2 de su tamaño natural, muestra:

- Sistema arterial y venoso
- Corazón
- Pulmón
- Hígado
- Bazo
- Riñones
- Parte del Esqueleto

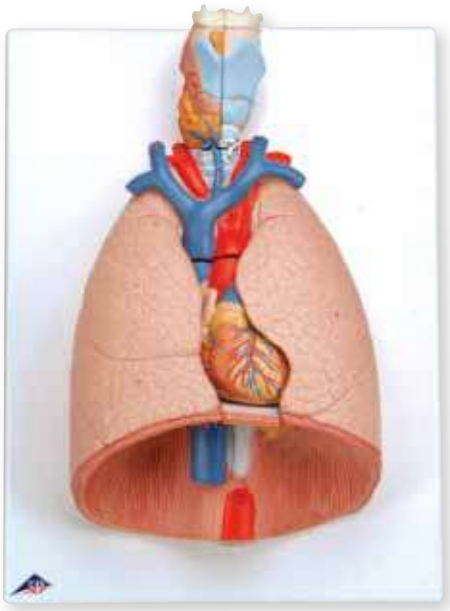
80 x 30 x 6 cm; 3,6 kg **1000276**



MODELO DE ARTERIA

El modelo de arteria presenta una sección en “Y” de la arteria con vista ampliada, sección perpendicular, y representa la acumulación gradual de depósitos de colesterol.

15,9 x 5,1 x 10,2 cm **1019531**



3B SMART ANATOMY

MODELO DEL PULMÓN, 5 PIEZAS

Incluye las siguientes partes:

- Laringe
- Tráquea con árbol bronquial
- Corazón en 2 piezas (desmontable)

37 x 28 x 12 cm ; 1,25 kg 1001243



3B SMART ANATOMY

MODELO DEL PULMÓN, 7 PIEZAS

Este modelo de primera clase está montado sobre un tablero estable y muestra las siguientes partes:

- Laringe en 2 piezas (desmontable)
- Tráquea con árbol bronquial
- Corazón en 2 piezas (desmontable)

41 x 31 x 12 cm; 2.2 kg 1000270

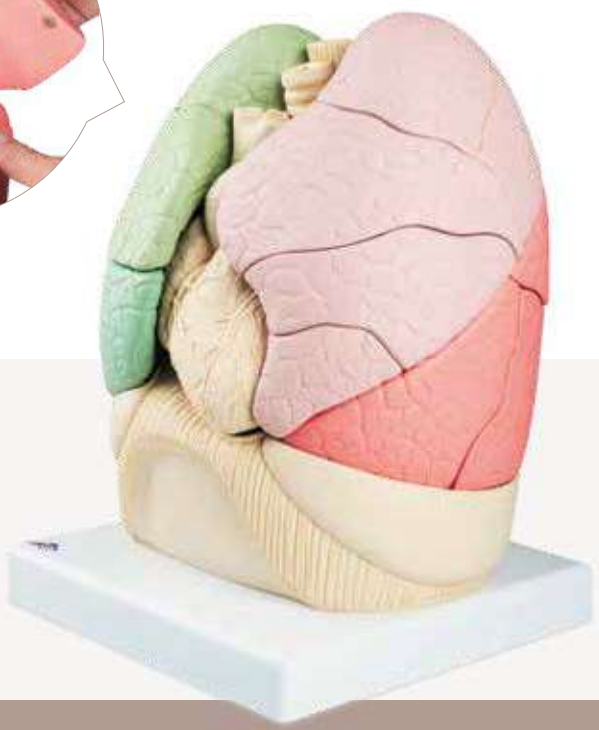


3B SMART ANATOMY

PULMÓN POR SEGMENTOS, MAGNÉTICO

Modelo de pulmón compartimentado en los segmentos básicos. Este modelo de alta calidad muestra los pulmones junto con el árbol bronquial principal en el que se aprecia muy bien la cercanía del corazón a la tráquea, al esófago y a la arteria aorta. El pulmón puede descomponerse en sus dos lóbulos y diferentes segmentos individuales. Los distintos segmentos están marcados por colores que dejan evidencia de cómo colocarlos respecto del árbol bronquial. El árbol bronquial abarca los bronquios de los lóbulos y los bronquios de los segmentos.

25 x 25 x 35 cm; 4,1 kg 1008494



3B SMART ANATOMY

ÁRBOL BRONQUIAL TAC CON LARINGE Y PULMÓN TRANSPARENTE





Este modelo único se construyó a partir de los datos de la tomografía computarizada de una persona (varón, de unos 40 años de edad). Lo más relevante de este método es que el contenido espacial natural en 3D y la posición de los bronquios segmentarios permanecen relacionados entre sí y pueden ser reproducidos de forma real. La laringe con el hueso hioides y la epiglotis, así como las vías aéreas con los bronquios principales y lobares, se representan en colores. A la altura del segundo cartílago traqueal se puede quitar la laringe que es divisible en su parte medial. La epiglotis tiene un montaje móvil.

22 x 18 x 37 cm; 1,23 kg **1000275**

3B SMART ANATOMY

TAC – ARBOL BRONQUIAL CON LARINGE



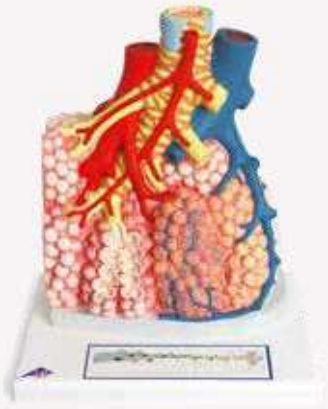
22 x 18 x 37 cm; 0,43 kg **1000274**

3B SMART ANATOMY

LOBULILLOS PULMONARES Y VASOS SANGUÍNEOS ADYACENTES

El modelo muestra un lóbulo pulmonar por su lado exterior aumentado alrededor de 130 veces.

26 x 33 x 19 cm; 1,35 kg **1008493**





3B SMART ANATOMY

MODELO EPOC



La EPOC es una enfermedad pulmonar crónica que conlleva la obstrucción progresiva de las vías respiratorias.

15 x 11 x 8 cm; 0,18 kg **1012788**

MODELO DE BRONQUIO DE 4 PIEZAS

El modelo de bronquio de 4 piezas representa una sección transversal del bronquio en cuatro fases para mostrar los cambios que se producen en los tejidos en los casos de asma y bronquitis crónica. Cuatro fases: bronquio normal, hipersecreción de la glándula mucosa, hinchazón con agregaciones linfoides y espasmo muscular leve. El modelo incluye: cartílago, glándulas mucosas y tapón mucoso, los músculos lisos en espiral y el tejido conector fibroelástico y las capas epiteliales del bronquio. Todas las fases rotan sobre un eje.

9,4 x 3,8 x 4,4 cm **1019547**



3B SMART ANATOMY

3B MICRO*anatomy*™ TRACTO DIGESTIVO – A 20 AUMENTOS

El modelo visualiza la estructura tisular fina de cuatro porciones características del tracto digestivo:

- Esófago
- Estómago
- Intestino delgado
- Intestino grueso

La cara anterior del modelo visualiza, en sección histológica y a gran aumento, las porciones del tracto digestivo con sus respectivas estructuras tisulares finas, de arriba a abajo. En la cara posterior del módelo se ponen de relieve, a muy gran aumento, zonas de interés didáctico del tracto digestivo representadas en la parte anterior del modelo.



29,5 x 26 x 18,5 cm; 1,5 kg — 1000311

3B SMART ANATOMY

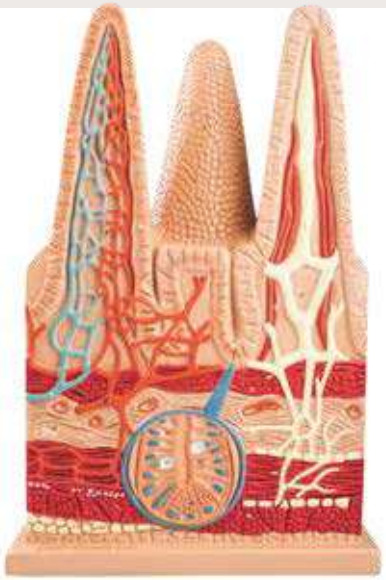
SISTEMA DIGESTIVO, EN 3 PIEZAS

Modelo en tamaño natural que muestra todo el sistema digestivo en relieve gráfico.

Características:

- Nariz
- Cavidad bucal y faringe
- Esófago
- Tracto gastro-intestinal
- Hígado con vesícula biliar
- Páncreas
- Bazo

El duodeno, el ciego y el recto están abiertos. El colón transversal y la pared delantera del estómago se pueden desmontar. Sobre tablero.



81 x 33 x 10 cm; 4,4 kg — 1000307

3B SMART ANATOMY

SISTEMA DIGESTIVO, EN 2 PIEZAS *(no ilustrado)*

Tiene las mismas características que el modelo de 3 piezas, pero sin la mitad del estómago desmontable.

1000306

3B SMART ANATOMY

VILLI INTESTINAL, 100 VECES SU TAMAÑO NATURAL

Este modelo 100 veces su tamaño natural consiste de una vellosidad completa, una vellosidad longitudinal en sección demostrando las arteriolas y vénulas y una vellosidad en corte transversal para mostrar los vasos linfáticos. También incluye una sección longitudinal de la cripta de Lieberkuhn. Sobre soporte.

43 x 28 x 10 cm — 1005532



3B SMART ANATOMY

ESTÓMAGO, EN 3 PIEZAS

El modelo presenta las capas de la pared del estómago desde la cardia hasta el píloro. La mitad delantera del estómago se puede retirar.

Se representan:

- Parte inferior del esófago
- Conductos
- Nervios

25 x 22 x 12 cm; 0,8 kg	1000303

3B SMART ANATOMY
ESTÓMAGO, EN 2 PIEZAS ***(no ilustrado)***

La mitad delantera del estómago es desmontable para un estudio muy detallado. El modelo presenta las capas de la pared del estómago desde la cardia hasta el píloro. La mitad delantera del estómago se puede retirar.

25 x 22 x 12 cm; 0,6 kg	1000302



3B SMART ANATOMY

ESTÓMAGO CON ÚLCERAS GÁSTRICAS, 1/2 TAMAÑO

Este modelo de patología 3B Scientific muestra distintos estadios de la inflamación de la mucosa gástrica (=gastritis) desde la úlcera gástrica leve (=ulcus) hasta la perforación gástrica (=perforación).

25 x 22 x 12 cm; 0,6 kg	1000304





¡Impresionante modelo para la educación del paciente!

3B SMART ANATOMY

MODELO DE BANDA GÁSTRICA

¡Una impresionante herramienta para la educación del paciente! Este modelo se ha desarrollado a partir de nuestro modelo de estómago de dos piezas y se ha ampliado con una banda gástrica SAGB® de cierre rápido. La banda gástrica se utiliza en la terapia quirúrgica de la obesidad mórbida, cuando las terapias conservadoras no muestran resultados. De esa manera el modelo puede emplearse de forma muy efectiva en las explicaciones a los pacientes.

18 x 16 x 25 cm ; 0,51 kg	1012787



3B SMART ANATOMY

HÍGADO CON VESÍCULA BILIAR

Esta réplica real del hígado con vesícula biliar muestra:

- 4 lóbulos con vesícula biliar
- Conducto extrahepático
- Conducto de hilio

Sobre soporte desmontable.

18 x 18 x 12 cm; 0,5 kg **1014209**

3B SMART ANATOMY

HÍGADO CON VESÍCULA BILIAR, PÁNCREAS Y DUODENO



Este excelente modelo en relieve muestra el sistema de conductos con:

- Hígado
- Vesícula biliar
- Páncreas
- Duodeno
- Conductos
- Conductos extrahepáticos con vesícula biliar
- Conducto principal pancreático y sus orificios

Sobre soporte.

4 x 20 x 18 cm; 0,8 kg **1008550**

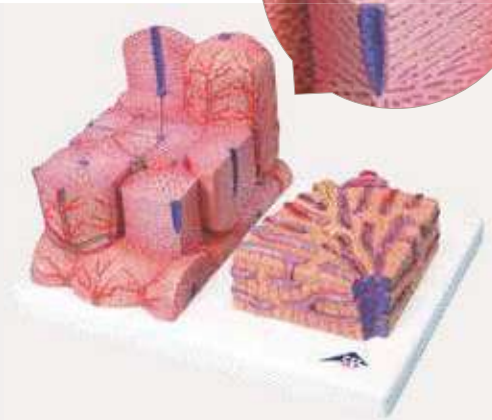


3B SMART ANATOMY

3B MICRO*anatomy*™ HÍGADO

El modelo de 2 piezas representa de manera esquemática y a gran aumento un sector del hígado. Sirve para visualizar la estructura de las unidades funcionales y constructivas del hígado con dos diferentes magnificaciones. La parte izquierda del modelo representa un sector del hígado que incluye varios lobulillos hepáticos. La parte derecha del modelo representa a gran aumento un corte incisivo del lobulillo hepático a la izquierda.

15 x 26 x 18,5 cm; 0,7 kg **1000312**

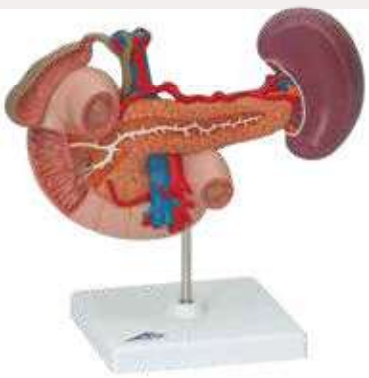




3B SMART ANATOMY RIÑONES CON VASOS, DE 2 PIEZAS

Este modelo muestra los riñones con las glándulas suprarrenales, los uréteres que salen de los riñones, los vasos renales y los grandes vasos cercanos a los riñones a tamaño natural. La mitad anterior del riñón derecho es desmontable para visualizar la pelvis renal, los cálices renales, la corteza renal y la médula renal. Con soporte.

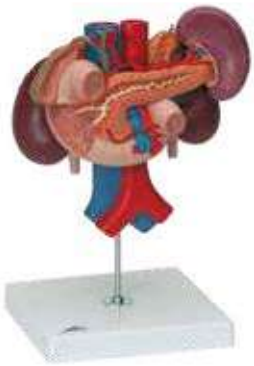
21 x 18 x 28 cm; 1 kg **1000308**



3B SMART ANATOMY ÓRGANOS POSTERIORES DEL ABDOMEN SUPERIOR

El modelo muestra el duodeno (parcialmente abierto), la vesícula biliar y los conductos biliares (abiertos), el páncreas (grandes conductos excretores expuestos), el bazo y los vasos circundantes a tamaño natural. Con soporte.

23 x 12 x 20 cm; 0,55 kg **1000309**



3B SMART ANATOMY RIÑONES CON ÓRGANOS POSTERIORES DEL ABDOMEN SUPERIOR, DE 3 PIEZAS

Combinación de modelos 1000308 y 1000309. Los órganos del abdomen superior están unidos a los riñones en su posición natural y se pueden desmontar. Con soporte.

24 x 18 x 29 cm; 1,4 kg **1000310**

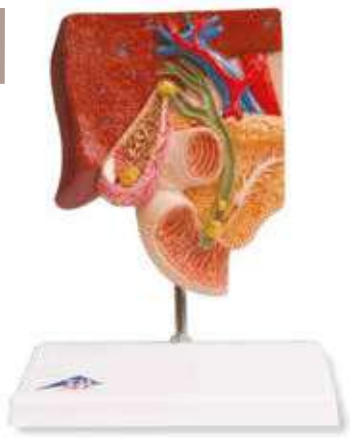


3B SMART ANATOMY

ENFERMEDADES DEL ESÓFAGO

Este modelo expresivo para informar a los pacientes, representa a tamaño natural, un corte frontal desde la parte inferior del esófago hasta la parte superior del estómago. Ver online las condiciones que representa.

14 x 10 x 19 cm; 0,3 kg 1000305



3B SMART ANATOMY

MODELO DE CÁLCULO BILIAR

El presente modelo para la información de los pacientes representa la anatomía del sistema biliar y su entorno en la mitad de su tamaño natural. En la pared de la vesícula biliar, se pueden distinguir tanto una inflamación aguda (colecistitis) como también las alteraciones del tejido después de una inflamación crónica.

14 x 10 x 19 cm; 0,39 kg 1000314



3B SMART ANATOMY

MODELO DE HEMORROIDES

Es un modelo expresivo para informar a los pacientes sobre las hemorroides. El modelo representa un corte frontal del recto de tamaño natural así como una representación en relieve de tamaño un poco reducido situada sobre el zócalo. Además de las estructuras anatómicas del recto (esfínteres, mucosa, plexo venoso), el modelo representa hemorroides internas del grado I y II. Sobre base.

14 x 10 x 14 cm; 0,2 kg 1000315



3B SMART ANATOMY

ENFERMEDADES DEL TRACTO INTESTINAL

El modelo nos muestra las alteraciones benignas y malignas más habituales en el tracto del intestino grueso y colon. Entre ellas se encuentran los divertículos, pólipos, hemorroides, fístulas, fisuras, enfermedades infecciosas crónicas como la enfermedad de Crohn y la colitis ulcerosa, así como el cáncer de intestino en sus diversos estadios.

21 x 17 x 27 cm; 0,96 kg 1008496



SECCIÓN TRANSVERSAL DEL RECTO (VISTA AMPLIADA) CON PATOLOGÍAS

Modelo a escala 1:1,5 con sección perpendicular que muestra colitis ulcerosa, fístula interna y externa, hemorroides internas y externas, cáncer anular, pólipos sésiles, absceso submucoso, acrocordón, pólipo pediculado, absceso supraelevador, absceso isquiorectal, criptitis, divertículo, condiloma acuminado, fisura y condiloma latum.

14 x 6,4 x 17,8 cm 1019557

3B SMART ANATOMY

MODELO DE CÁLCULO RENAL



Con ayuda del presente modelo, se facilita la información del paciente sobre el mal de cálculo renal (litiasis renal) y el mal de cálculo urinario (litiasis urinaria). Representa un riñón derecho abierto en tamaño natural.

14 x 10 x 16,5 cm; 0,18 kg **1000316**

3B SMART ANATOMY

EL RIÑÓN CON GLÁNDULA ADRENAL, EN 2 PIEZAS



Este modelo presenta:

- El riñón con glándula adrenal
- Conductos renales y adrenales
- Parte superior del uréter

20 x 12 x 12 cm; 0,47 kg **1014211**



Seis zonas ilustradas del tejido del riñón

3B SMART ANATOMY

3B MICRO*anatomy*™ RIÑÓN

El presente modelo extremadamente detallado visualiza con alta magnificación los componentes morfológico-funcionales del riñón.

Las 6 zonas del modelo visualizan las siguientes estructuras de tejido fino que sirven para la producción de orina:

- Riñón en corte longitudinal
- Fragmento de corteza y médula renales
- Fragmento cuneiforme de uno de los lóbulos renales
- Representación esquemática de una nefrona con asa de Henle de longitud reducida y representación didáctico-esquemática del abastecimiento vascular
- Representación esquemática de un corpúsculo renal abierto con nefrona así como secciones transversales a través de los túbulos proximal, intermedio y distal de un túbulo renal observadas al microscopio óptico
- Representación didáctico-esquemática de un corpúsculo renal abierto

23,5 x 25,5 x 19 cm; 1,3 kg **1000301**



3B SMART ANATOMY

EL RIÑÓN, EL NEFRÓN, LOS CONDUCTOS SANGUÍNEOS Y EL CORPÚSCULO RENAL

Una serie completa de 3 modelos para estudiar los riñones con sus estructuras importantes aumentadas. Todos los modelos están montados sobre una base o se pueden adquirir en forma separada.

Se muestran:

- Un corte longitudinal del riñón derecho, con un aumento de 3 veces
- Un nefrón renal que muestra una sección transversal de la corteza y la médula renal
- El nefrón muestra los corpúsculos renales con los túbulos contorneados proximales y distales, las asas de Henle, los túbulos colectores y los vasos sanguíneos, con un aumento de 120 veces
- La tercera sección del riñón muestra un corpúsculo de Malpighi abierto con el glomérulo y la cápsula de Bowman, con un aumento de 700 veces en comparación con el tamaño del riñón humano

29 x 52 x 9 cm; 2,8 kg **1000299**

También disponible en modelos individuales:

Sección del riñón	1000296
Nefrones y conductos sanguíneos	1000297
Corpúsculos de Malpighi renales	1000298

3B SMART ANATOMY

MODELO DE LA PRÓSTATA

Una sección a través de los órganos genitales masculinos en tamaño la mitad del natural, presenta una próstata sana con la vejiga, la uretra, los testículos, la sínfisis y el recto. El estrechamiento de la uretra debido al cambio de la próstata se puede explicar mediante las presentaciones de cortes seccionales al través. Todas las estructuras anatómicas están pintadas en detalle. En base.

13,5 x 10 x 14 cm; 0,24 kg 1000319





3B SMART ANATOMY

SECCIÓN BÁSICA DEL RIÑÓN, 3 VECES SU TAMAÑO NATURAL

Sección longitudinal del riñón derecho presentando todas sus estructuras importantes.

8,5 x 19 x 26 cm ; 0,67 kg 1000295



3B SMART ANATOMY

SISTEMA URINARIO DE SEXO DUAL, EN 6 PIEZAS

La mitad frontal del riñón derecho es desmontable. Con un inserto masculino fácil de desmontar (vejiga y próstata, mitad frontal y posterior) e inserto femenino (vejiga, útero y ovarios, 2 mitades laterales). Las piezas están numeradas.

Este modelo todo en uno presenta:

- Estructuras de la cavidad retroperitoneal
- Pelvis grande y pequeña con huesos y músculos
- Vena cava inferior
- Aorta con sus ramificaciones y conductos iliacos
- Tracto urinario superior
- Recto
- Riñón con glándula adrenal

Sobre una base.

41 x 31 x 15 cm; 2,3 kg 1000317

3B SMART ANATOMY

SISTEMA URINARIO, MASCULINO, 0,75 VECES SU TAMAÑO NATURAL

Este modelo muestra la estructura de la cavidad retroperitoneal del sistema urinario muy detallado.



Este modelo presenta las estructuras de la cavidad retroperitoneal con los siguientes detalles:

- Vena cava inferior
- Venas renales
- Aorta con sus ramificaciones
- Conductos iliacales
- Uréter
- Vejiga urinaria
- Próstata
- Glándula adrenal
- Recto
- Musculatura

El riñón derecho está abierto.

10 x 18 x 26 cm ; 0,84 kg 1008551

› LOS CONJUNTOS DE ANATOMÍA INCLUYEN LA APLICACIÓN GRATUITA 3B SMART ANATOMY – CONSULTE LOS DETALLES EN LA PÁGINA 4.

¡COMPRE VARIOS Y AHORRE!

› ¡AHORRE HASTA UN 15% CON NUESTROS 3B SMART ANATOMY SETS!



3B SMART ANATOMY SET

OÍDO

Incluye:

- Oído, 3 veces su tamaño natural, 4 piezas
- Osículos auditivos de tamaño natural

8000844



3B SMART ANATOMY SET

OJO

Incluye:

- Ojo, 3 veces su tamaño natural, 6 piezas
- 3B MICRO*anatomy*™ Ojo

8000843



3B SMART ANATOMY SET

CEREBRO

Incluye:

- Encéfalo clásico, 5 partes
- Ventrículo cerebral

8000842



3B SMART ANATOMY SET

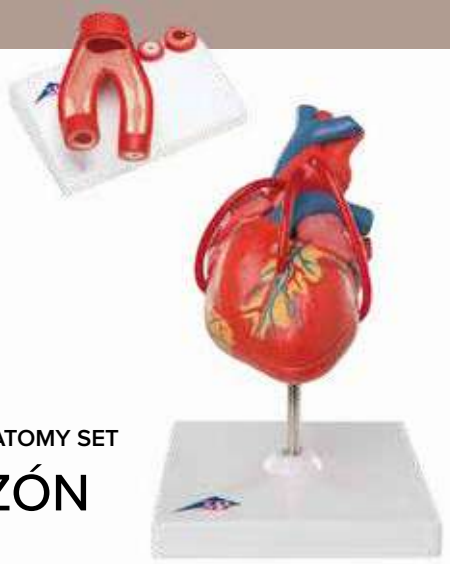
SENTIDOS

Incluye:

- Oído, 3 veces su tamaño natural, 4 piezas
- Ojo, 3 veces su tamaño natural, 6 piezas
- Nariz con cavidades paranasales, dividida en 5 partes
- Modelo de la piel en 3 piezas

8000847

Cada uno de nuestros nuevos juegos de anatomía incluye varios modelos, los cuales se complementan y se ofrecen a un precio muy asequible. Adecuados para enseñanza en el aula y educación del paciente, cada uno de los juegos abarca una determinada área, como embarazo, ortopedia, neurología, cardiología y muchas otras más. Estos prácticos juegos le ayudarán a aprender o a explicar las materias de una manera más completa. Escoja el set adecuado a sus necesidades y ahorre hasta un 15% en comparación con la compra individual de cada modelo.



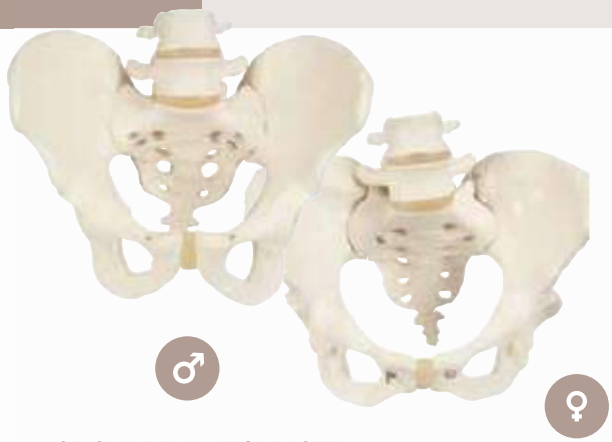
3B SMART ANATOMY SET

CORAZÓN

Incluye:

- Corazón clásico con bypass, de 2 piezas
- Modelo de arteriosclerosis con sección transversa de la arteria, de 2 piezas

8000845



3B SMART ANATOMY SET

PELVIS – HUESO

Incluye:

- Esqueleto de la pelvis, masculina
- Esqueleto de la Pelvis, femenino

8000838



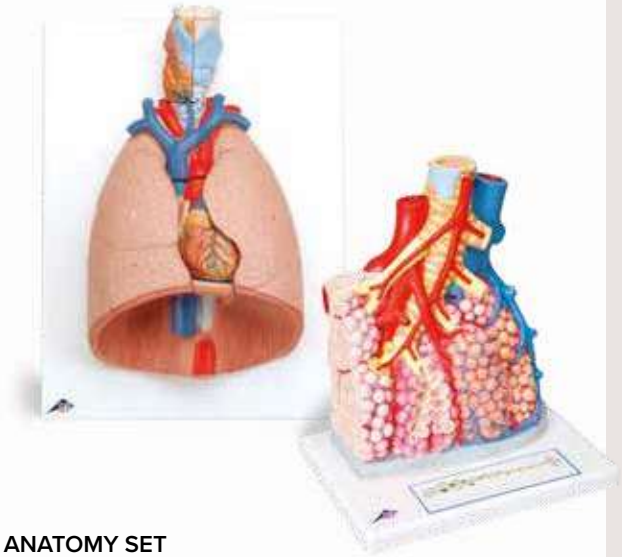
3B SMART ANATOMY SET

EL EMBARAZO

Incluye:

- Estadíos de la fertilización y desarrollo del embrión, a 2 aumentos
- Pelvis de embarazo, 3 piezas

8000848



3B SMART ANATOMY SET

PULMÓN

Incluye:

- Modelo del pulmón, 7 piezas
- Lobulillos pulmonares y vasos sanguíneos adyacentes

8000846

› LOS CONJUNTOS DE ANATOMÍA INCLUYEN LA APLICACIÓN GRATUITA 3B SMART ANATOMY – CONSULTE LOS DETALLES EN LA PÁGINA 4.

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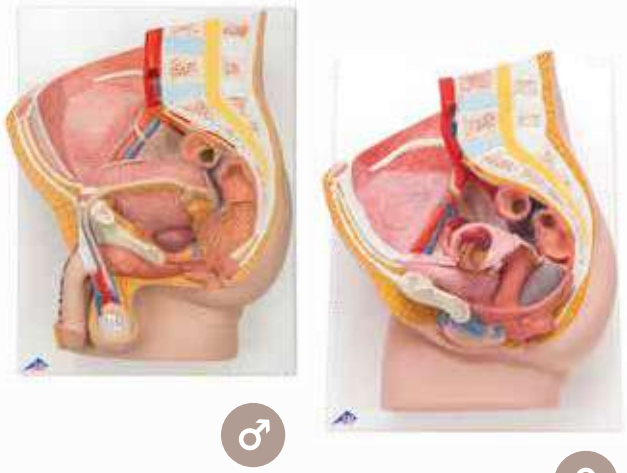
3B SMART ANATOMY SET

ARTICULACIONES MINI

Incluye:

- Mini-articulación de la cadera con corte transversal, sobre una base
- Mini-articulación del hombro con corte transversal, sobre base
- Mini-articulación de la rodilla con corte transversal, sobre base
- Mini-articulación del codo con corte transversal, sobre base

8000835



3B SMART ANATOMY SET

PELVIS

Incluye:

- Pelvis femenina, 2 piezas
- Pelvis masculina, 2 piezas

8000837





3B SMART ANATOMY SET

MIEMBROS MUSCULOSOS

Incluye:

- Brazo con músculos diseccionables, desmontable en 6 piezas
- Pierna con músculos diseccionables, desmontable en 9 piezas

8000841

3B SMART ANATOMY SET

MODELOS DE PIE

Incluye:

- Pie Normal
- Pie Arqueado (Pes Cavus)
- Modelo de Pie Plano (Pes Planus)

8000840



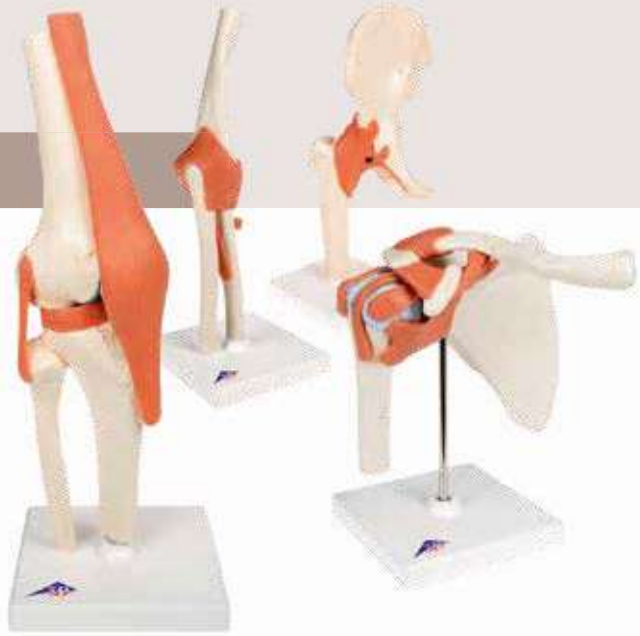
3B SMART ANATOMY SET

MANO Y PIE

Incluye:

- Modelo del esqueleto de la mano con ligamentos y músculos
- Modelo del esqueleto del pie con ligamentos y músculos

8000839



3B SMART ANATOMY SET

ARTICULACIONES LUJO

Incluye:

- Modelo funcional de la articulación del hombro de lujo
- Modelo funcional de la articulación de la rodilla de lujo
- Modelo funcional de la articulación de la cadera de lujo
- Modelo funcional de la articulación del codo de lujo

8000834



3B SMART ANATOMY SET

ARTICULACIONES

Incluye:

- Articulación del Hombro – Modelo Funcional
- Articulación de la Rodilla – Modelo Funcional
- Articulación de la Cadera – Modelo Funcional
- Articulación del Codo – Modelo Funcional

8000832



3B SMART ANATOMY SET

VERTEBRALES

Incluye:

- Columna cervical
- Columna vertebral lumbar
- Columna dorsal

8000836

› LOS CONJUNTOS DE ANATOMÍA INCLUYEN LA APLICACIÓN GRATUITA 3B SMART ANATOMY – CONSULTE LOS DETALLES EN LA PÁGINA 4.

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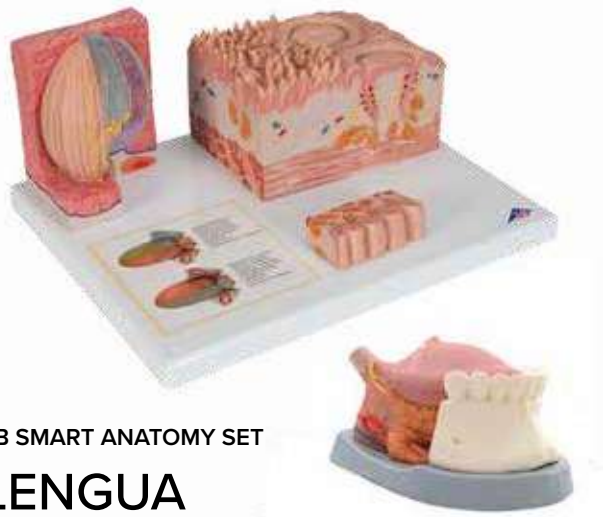
3B SMART ANATOMY SET

MUSCULAR

Incluye:

- 3B MICRO*anatomy*™ Fibra muscular
- Brazo con músculos de lujo, 6 partes

8000904



3B SMART ANATOMY SET

LENGUA

Incluye:

- Lengua – 3B MICRO*anatomy*™
- Modelo de la lengua, 4 piezas

8000905



3B SMART ANATOMY SET

RIÑÓN

Incluye:

- 3B MICRO*anatomy*™ Riñón
- El riñón con glándula adrenal, en 2 piezas

8000906



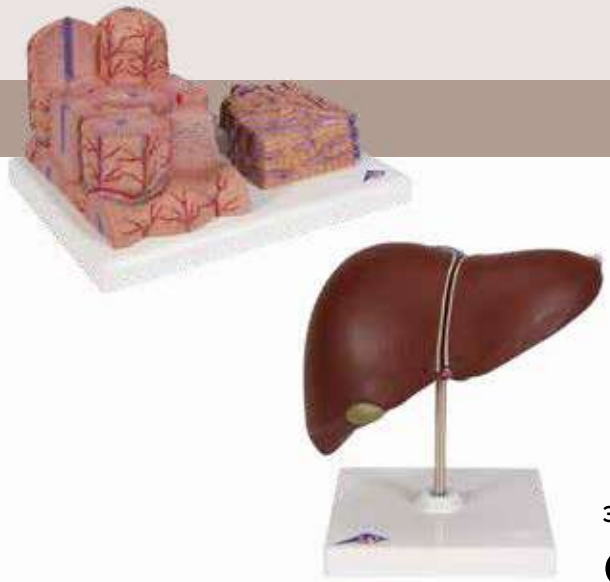
3B SMART ANATOMY SET

DIGESTIVO

Incluye:

- 3B MICRO*anatomy*™ Tracto digestivo
- Sistema Digestivo, en 2 piezas

8000907



3B SMART ANATOMY SET

HÍGADO

Incluye:

- 3B MICRO*anatomy*™ Hígado
- Hígado con vesícula biliar

8000908



3B SMART ANATOMY SET

COMPARACIÓN ANTROPOLÓGICA

Incluye:

- Rêplica del cráneo del Homo erectus pekinensis
- Cráneo Clásico, 3 partes

8000910



3B SMART ANATOMY SET

DE LABORATORIO DE ANESTESIOLOGÍA

Incluye:

- P61 Simulador de inyección epidural y espinal
- A74 Columna vertebral lumbar
- L20 Pelvis de embarazo

8000874



3B SMART ANATOMY SET

DE LABORATORIO BÁSICO PARA OBSTETRICIA

Incluye:

- P90B Simulador de parto básico
- L11/9 Serie de embarazo básica
- VG393 Modelo de fases del parto

8000877

› LOS CONJUNTOS DE ANATOMÍA INCLUYEN LA APLICACIÓN GRATUITA 3B SMART ANATOMY – CONSULTE LOS DETALLES EN LA PÁGINA 4.

¡COMPRE VARIOS Y AHORRE!

› ¡AHORRE HASTA UN 15% CON NUESTROS 3B SMART ANATOMY SETS!



3B SMART ANATOMY SET

ESCUELA

Incluye:

- Esqueleto Stan
- Torso clásico asexuado, 12 partes
- Corte de la piel, 40 veces su tamaño natural
- Ojo, 5 veces su tamaño natural, 6 piezas
- Pelvis de embarazo, 3 piezas
- Oído, 3 veces su tamaño natural, 6 piezas

8000901



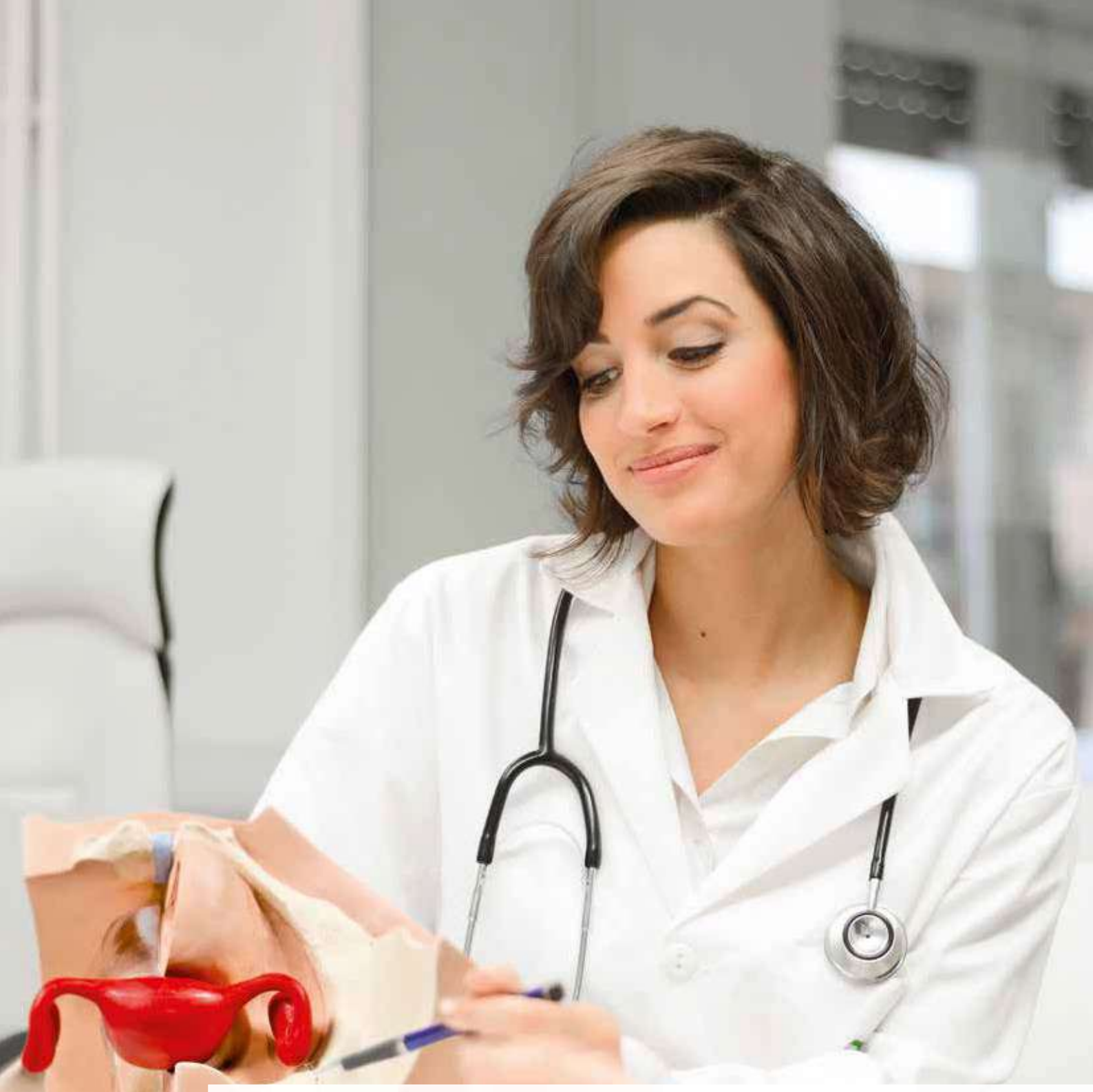
3B SMART ANATOMY SET

MICRO*anatomy*™

Incluye:

- 3B MICRO*anatomy*™ Estructura de los huesos - aumentado 80 veces
- 3B MICRO*anatomy*™ Fibra muscular
- 3B MICRO*anatomy*™ Ojo
- 3B MICRO*anatomy*™ Arteria y Vena
- 3B MICRO*anatomy*™ Riñón
- 3B MICRO*anatomy*™ Tracto digestivo
- 3B MICRO*anatomy*™ Hígado
- 3B MICRO*anatomy*™ Lengua

8000903



EDUCACIÓN PARA LA SALUD

Productos funcionales de alta calidad para la formación sobre los riesgos de salud comunes y sus enfermedades. Ideal para la formación de los estudiantes.

› CONSULTE LA PÁGINA 108 PARA OBTENER MÁS INFORMACIÓN SOBRE EL MODELO DE EDUCACIÓN PARA PACIENTES GINECOLÓGICOS (1013705) QUE SE MUESTRA EN LA IMAGEN DE ARRIBA.

MODELO PARA LA AUTOEXAMINACIÓN DE PECHOS PARA COLGAR

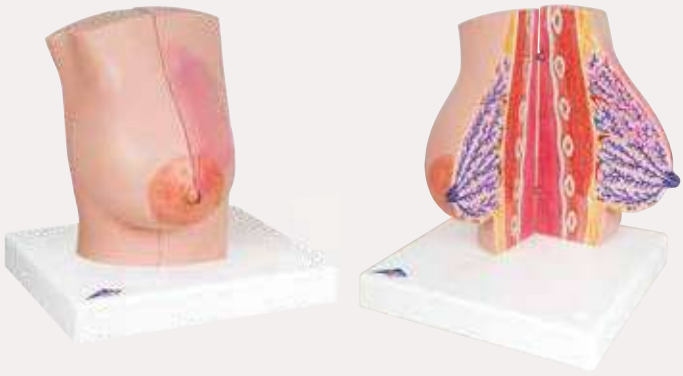


Modelo original único del tórax femenino con pechos de tamaño medio, muy real, para aprender y ensayar la exploración de los pechos.

- Realizado con la nueva silicona 3B SKIN*like*™, de alta calidad (dermatológicamente probada)
- Estructuras de la piel reproducidas con todo detalle
- Muy real al tocar
- Exploración de los pechos y autoexploración posible en posición de pie o echada
- Alteraciones benignas y malignas posibles en diferentes estadios y situaciones
- 2 alteraciones presumiblemente benignas
- 4 alteraciones presumiblemente malignas
- 2 alteraciones tipicos

Lamina de enseñanza “la mama femenina” (en inglés). Suministro con polvos de talco, cinchas para colgar y soporte en la caja de transporte

Modelo con estuche	1000342
Modelo sin estuche	1000343



MODELO PARA LA PALPACIÓN DE PECHOS, TRES PECHOS CON SOPORTE

Tres mamas distintas, con formas muy reales (tamaño de los pechos medio y grande) para aprender y practicar la palpación de los pechos con alteraciones diversas.

- Realizado con la nueva silicona 3B SKIN*like*™ (dermatológicamente probada)
- Estructuras de la piel reproducidas con todo detalle
- Muy real
- Alteraciones benignas y malignas posibles en distintos estadios y situaciones
- Un pecho sano para comparar
- Suministro con soporte y polvos de talco

52 x 24,5 x 9,5 cm; 2,3 kg	1000344
Modelo de un pecho humano con tumores benignos	1000345

3B SMART ANATOMY

MODELO DE PECHO DE MUJER

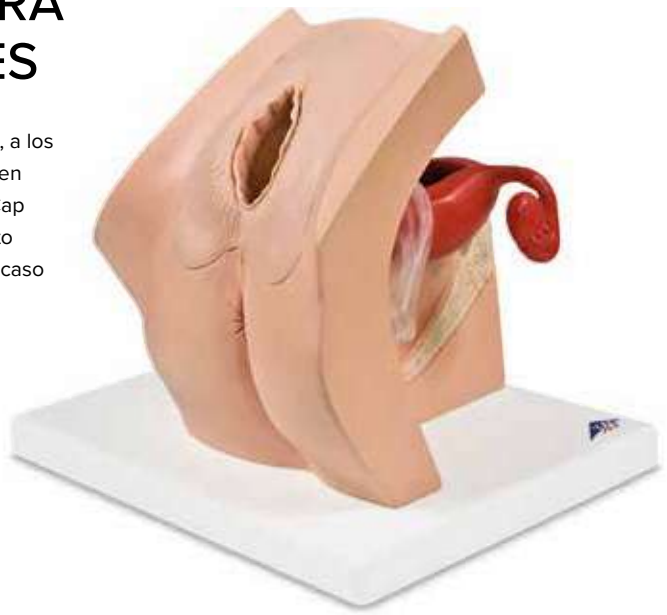
Los modelos incluyen un ejemplo de un seno derecho lactante y no lactante. Ambas partes del modelo tienen un corte sagital que muestra el tejido de la glándula mamaria, así como las estructuras anatómicas de más profunda altitud como los músculos, los nervios, la pleura costal, pleura pulmonar y los pulmones. Una inflamación de la glándula mamaria (mastitis) está representada en el seno derecho y varias otras enfermedades en el pecho izquierdo incluyendo un tumor benigno, dos tumores malignos, y dos quistes. Los modelos se fijan entre sí mediante imanes.

36,5 x 23 x 20 cm; 1,4 kg	1008497



MANIQUÍ GINECOLÓGICO PARA LA EDUCACIÓN DE PACIENTES

¡IDEAL PARA LA DEMOSTRACIÓN!



Este modelo ginecológico único sirve para mostrar, de un modo inmejorable, a los pacientes el uso de los diferentes métodos anticonceptivos que se colocan en la vagina próximos a la matriz. Entre estos se encuentran el Femidom, FemCap (Capuchón cervical), el anillo anticonceptivo y el Diafragma. El segundo punto fuerte de este modelo es que permite enseñar como utilizar los pesarios en caso de incontinencia urinaria o prolapso de la matriz.

26 x 19 x 22 cm; 1,5 kg	1013705

Kits Opcionales:

Kit de métodos anticonceptivost	1017130
Kit de pesarios, 5 modelost	1017131



INSTRUCTOR DE D.I.U.

Un instructor manejable anatómicamente exacto que sirve de ayuda para entender la colocación correcta de un D.I.U. (dispositivo intrauterino) en el útero. Realizado en plástico duradero, lleva una cubierta transparente que permite visualizar facilmente la inserción y colocación del D.I.U. (D.I.U. no incluído).

6 x 40 x 45 cm	1005766



EDUCADOR PARA LA PLANIFICACIÓN FAMILIAR

Suministrado con:

- Un útero vuelto hacia adelante con la mitad superior transparente para mostrar la posición correcta del DIU
- Un útero para ilustrar la posición normal vuelta hacia adelante y vuelta hacia atrás
- Cuello del útero con afecciones óseas patentes sobre el útero suspendido en la cavidad pélvica
- Cubierta blanda de plástico del estómago
- Bolsa de transporte
- Simulador de mesa para practicar y demostrar: Introducción y extracción de un diafragma, un D.I.U. o dispositivos anticonceptivos esponjosos, posiciones uterinas normales y anormales. Técnica de reconocimiento con dos manos.

25,4 x 25,4 x 25,4 cm; 2,3 kg	1005784



Partes desmontables

3B SMART ANATOMY

MODELO VIH

Este modelo del Virus HI, aumentado millones de veces, muestra la membrana exterior lípida con estructuras proteínicas, y el núcleo interno que contiene la material viral hereditario (RNA). El núcleo es desmontable y se pueden colocar condones en la parte inferior para proporcionar un mensaje con respecto a las medidas a tomar para proteger contra el HIV. Sobre base.

18 x 13 x 13 cm; 0,7 kg **1000336**

MODELO DE ANTICONCEP-TIVO FEMENINO



Este modelo de útero orientado hacia adelante en una cavidad pélvica simulada, con vulva, vagina y cubierta de plástico de estómago blanda. Un instrumento perfecto para demostrar el uso del preservativo femenino, de la esponja anticonceptiva y del diafragma para el cuello del útero. Se incluye bolsa de transporte.

17,5 x 24 x 14 cm **1005826**



MODELO DE CONDÓN PARA ENSEÑANZA

Para demostrar el uso correcto del preservativo con un modelo fiel al natural. Incluye un pene erecto, 12 condones, una jeringa y semen artificial (para simular la eyaculación).

35,5 x 15 x 16,5 cm; 2,3 kg **1005560**

Equipo Opcional:

Semen artificial (líquido fluorescente ultravioleta) **1005561**



MODELOS DE CONDÓN PARA ENSEÑANZA

Este juego económico de 20 modelos de penes de espuma rígida (Styrofoam), se suministra para grupos grandes, un medio para practicar el procedimiento correcto de colocar el condón. Los modelos reutilizables se pueden sujetar a la mesa con cinta adhesiva, para que ambas manos estén libres.

14,5 cm **1005115**



MODELO PARA PRACTICAR EL USO DE CONDONES

Este modelo de pene tiene una representación de las estructuras anatómicas y de la rigidez es absolutamente fiel para que sus alumnos puedan entrenar de manera auténtica cómo ponerse y quitar un condón. Se suministra con 12 condones y bolsa de transporte.

7,5 x 7,5 x 19,5 cm; 0,35 kg

Piel Clara **1000340**

Piel Oscura **1000341**

MODELO DE CONTRACEPCIÓN EN PELVIS FEMENINA

Este modelo, fabricado a partir de material BIO*like*™, presenta una sección transversal de la pelvis femenina para mostrar la inserción correcta de métodos contraceptivos. El corte lateral permite al usuario ver y entender la colocación y extracción de contraceptivos. Contraceptivos no incluidos.

15 x 8 x 9 cm **1017935**



MODELO DE ENTRENAMIENTO CONDÓN FEMENINO

Estel modelo muestra de forma muy simplificada los labios de la vulva y la vagina hasta el orificio uterino para enseñar y aprender la introducción de un condón para mujeres. Se incluyen tres condones femenino.

12 cm; 0,15 kg

Piel Clara **1000339**

Piel Oscura **1000338**





3B SMART ANATOMY

MODELO DE DESARROLLO EMBRIONARIO EN 12 ETAPAS

Representa el desarrollo de las células germinales humanas en 12 etapas, desde la fecundación hasta el final del segundo mes de gestación. Cada etapa se desprende de la base de manera individual:

1. El óvulo en el momento de la fecundación (concepción) con gameto masculino (esperma)
2. Cigoto en periodo bicelular, unas 30 horas después de la fecundación
3. División del cigoto en cuatro células, tras unas 40 o 50 horas
4. División del cigoto en ocho células, tras unas 55 horas
5. Mórula
6. Blastocisto tras unos 4 días
7. Blastocisto tras unos 5 días
8. Blastocisto tras unos 8-9 días
9. Células germinales en el 11º día aprox.
10. Células germinales en el 20º día aprox.
11. Embrión hacia el final del primer mes de gestación
12. Embrión hacia el final del segundo mes de gestación

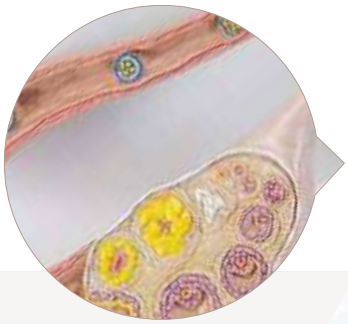
1001257

3B SMART ANATOMY

ESTADOS DE FERTILIZACIÓN Y DESARROLLO DEL EMBRIÓN, A 2 AUMENTOS

El modelo ilustra esquemáticamente la maduración del óvulo, la ovulación, la fecundación y cómo el óvulo fecundado se desarrolla desde la integración por si mismo en la pared de la matriz hasta el comienzo del crecimiento como embrión. Los estadíos de desarrollo se encuentran, por una parte, como representación ampliada, en el ovario, la trompa y el útero y, por otra parte, en otra representación gráfica también ampliada que se encuentra sobre la base del modelo. Se suministra con la base.

35 x 21 x 20 cm; 1,20 kg 1000320





¡Modelo fácil de comprender para la educación del paciente!

3B SMART ANATOMY

MODELO DE EMBRIÓN HUMANO: TAMAÑO AUMENTADO X25



Este modelo de embrión humano muestra de forma detallada la anatomía del embrión de unas 4 semanas.

12 x 12 x 23 cm; 0,30 kg 1014207



3B SMART ANATOMY

SERIE 3B SCIENTIFIC® DE EMBARAZO

¡Los modelos también se venden por unidades!

Nuestra serie más popular incluye 8 modelos para presentar todas las etapas del desarrollo. Todos los modelos están montados por separado sobre un pedestal.

1018627

3B SMART ANATOMY

SERIE 3B SCIENTIFIC® DE EMBARAZO, 5 MODELOS

Esta serie presenta las etapas más importantes del desarrollo. Todos los modelos están montados sobre una misma base.

- Embrión del 1º Mes
- Embrión del 2º Mes
- Embrión del 3º Mes
- Feto del 5º Mes (Posición transversa)
- Feto del 7º Mes (Posición normal)

13 x 41 x 31 cm; 2.10 kg 1018633



3B SMART ANATOMY
CONJUNTO DE EMBRIONES *(no se muestran)*

Incluye todos los modelos anteriores más el modelo de un embrión de aprox. 4 semanas de edad, 25 veces su tamaño natural.

1018628

Embrión del 1º Mes	1000322
Embrión del 2º Mes	1000323
Embrión del 3º Mes	1000324
Feto del 4º Mes (Posición transversa)	1000326
Feto del 5º Mes (Posición de nalgas)	1018630
Feto del 5º Mes (Posición transversa)	1000327
Fetos Gemelos del 5º Mes (Posición normal)	1000328
Feto del 7º Mes (Posición normal)	1000329

› ¡REALISTA Y DE ALTA CALIDAD!



Sección mediana extraíble con feto

3B SMART ANATOMY

EL EMBARAZO EN LA PELVIS, 3 PIEZAS

Este modelo de anatomía es una representación de una sección mediana a través de la pelvis femenina a las 40 semanas de embarazo con un feto desmontable. Para el estudio la posición normal del bebé antes del nacimiento. Con este modelo podrá estudiar la reproducción humana y sistemas urinarios. El útero viene con el embrión en el 3er mes del embarazo, está montado en la base para mayor detalle y la comparación. La pelvis incluye los órganos genitales femeninos y otros importantes detalles anatómicos. Hecho con una alta calidad.

38 x 25 x 40 cm; 3,80 kg 1000333

3B SMART ANATOMY

PELVIS DE DEMOSTRACIÓN DEL PARTO



Este modelo demuestra el progreso de la cabeza del feto durante el nacimiento. El simulador consiste de un esqueleto de la pelvis femenina con una sínfisis desmontable, el hueso de la cadera, el sacro, el coxis y dos vértebras lumbares articuladas para acomodar el pasaje de un cerebro fetal montado sobre un soporte omniposicional de cuello de ganso flexible. Sobre tablero.

33 x 26 x 18 cm; 1,81 kg 1000334





3B SMART ANATOMY

MODELO DE LAS ETAPAS DEL PARTO

5 etapas, montado individualmente sobre bases:
- Feto en útero, cérvix cerrada
- Feto en útero, cérvix abierta
- Feto en útero, comienzo del paso de la cabeza
- Feto en útero y pelvis, término del paso de la cabeza
- Placenta en el útero

17 x 28 x 46 cm; 8,62 kg 1001258

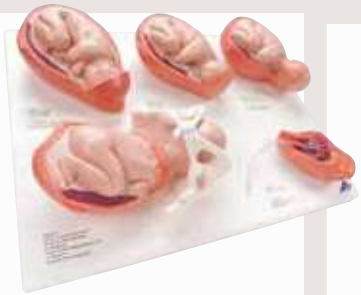
DESARROLLO EN EL ÚTERO: EXPOSITOR “CON NIÑO”

Es muy fácil ilustrar el desarrollo anatómico desde la concepción hasta 6 semanas después del parto, gracias al expositor de tamaño real “con niño”. Solo disponible en inglés.

45,7 x 61 cm 1018275

3B SMART ANATOMY

MODELO DE LAS FASES DEL PARTO



Similar a 1001258 pero de tamaño reducido al 50%. Sobre una tabla base. 5 etapas, montado individualmente sobre bases:
- Feto en útero, cérvix cerrada
- Feto en útero, cérvix abierta
- Feto en útero, comienzo del paso de la cabeza
- Feto en útero y pelvis, término del paso de la cabeza
- Placenta en el útero

40 x 31 x 13 cm; 1,36 kg 1001259



GRÁFICO DEL PARTO

Aparece las etapas del parto así como los detalles anatómicos del trabajo humano. Impresa en papel brillante de alta calidad.

50 x 67 cm 1001903

MANIQUÍES READY-OR-NOT-TOT®

Es la herramienta perfecta para educar a padres primerizos y además para demostrar a estudiantes la realidad de la paternidad. Los maniquíes Ready o No Tot establecen programas, y puede ser fácilmente rastreado mediante la plantilla proporcionada.

- Tres programas con las tendencias típicas de la mayoría de los bebés.
- El erupto es la respuesta a la atención adecuada, despues del lloro del maniquí.
- Los programas son de 48 horas de duración y se ejecutan de forma continua con 25–27 programasdiferentes.

Incluye hoja de consentimiento de los padres / hoja de permiso, hoja de respuesta para los estudiantes, plantilla de corrección para el maestro, pañal, e instrucciones. Recién nacido grande anatomicamente correcto que representa a un bebé de una madre adolescente 2,49 kg, 51 cm de largo.



	2,49 kg, 51 cm
Femenino piel clara	1017931
Masculino piel clara	1017932
Masculino piel oscura	1018137
Femenino piel oscura	1018138

¡El maniquí bebe que simula diferentes necesidades!





MODELO DE FETO

Este modelo de feto humano está fabricado con tejido suave y resistente. El cuerpo es flexible para poder demostrar todas las presentaciones y posiciones. La membrana amniótica permite mostrar el modelo fetal dentro del saco. El cordón umbilical, encajable a presión, muestra la vena y las arterias, y con el cordón para estirar se puede cerrar adecuadamente el saco. Ambas membranas, la amniótica y la coriónica, están representadas en detalle con dos colores diferentes.

Modelo de feto	1005571
Placenta y cordón umbilical	1005573

BEBÉ DE CUIDADO

Esta linda bebé-muñeca es ideal para entrenar los principios principales del cuidado del bebé en el colegio y en cursos de preparación de padres jóvenes. Permite vestir, desvestir, lavar, cambiar pañales y muchos otros procedimientos. Debido al tamaño real de un recién nacido, usted puede utilizar ropa para bebé normal. La muñeca tiene articulaciones móviles, los ojos están parcialmente abiertos.

Afro-Americano Masculino	1005092
Afro-Americano Femenino	1005093
Asiatico Masculino	1005090
Asiatico Femenino	1005091
Blanco Masculino	1005088
Blanco Femenino	1005089



MODELO DE TESTÍCULOS

LATEX

El presente modelo de testículos de tamaño natural ofrece unas propiedades al tacto extremadamente naturales. Gracias al uso de la nueva silicona de alta calidad denominada 3B SKIN*like*™ (dermatológicamente probada), el aprendizaje y la práctica de la autoexploración testicular son aún más realistas. En el interior del escroto, se pueden palpar dos testículos móviles, los epidídimos y los cordones espermáticos. El testículo izquierdo permite la palpación de 2 hallazgos patológicos.

9 x 8 x 4 cm; 0,19 kg	1000346

JUEGO DE CAPACITACIÓN PARA JÓVENES AUTO-EXAMEN DE MAMA Y TESTÍCULOS

Este juego contiene un modelo de la mama y otro de testículos para enseñar a los jóvenes la importancia de la detección temprana de cancer. El modelo de mama contiene quistes en varios tamaños. El modelo de los testículos contiene un quiste en cada testículo. Cada modelo está hecho de un material blando y suave BIO*like*™ con una funda y estuche.

26 x 23 x 18,5 cm; Piel Clara	1017933
26 x 23 x 18,5 cm; Piel Oscura	1017934



› ¡RÉPLICA REALISTA!

3B SMART ANATOMY

SECCIÓN TRANSVERSAL DE LA PELVIS MASCULINA, TAMAÑO NATURAL

Esta sección transversal de los órganos genitales masculinos presenta todas las estructuras en detalle.

13,5 x 10 x 14 cm; 0,24 kg	1000283





¡HAY *MÁS*!

VISITE 3BSCIENTIFIC.COM PARA ACCEDER A NUESTRA GAMA COMPLETA DE SOLUCIONES DE FORMACIÓN PARA EDUCACIÓN Y SIMULACIÓN MÉDICA.

3B Scientific

3B Scientific
A worldwide group of companies



Cada modelo anatómico original de 3B Scientific® ofrece acceso directo a su gemelo virtual en tu smartphone, tablet o escritorio, en cualquier momento y lugar.

Inicia 3B SMART ANATOMY para:
- Poner a prueba tus conocimientos con cuestionarios de anatomía
- Usar la función de comentarios para añadir notas a tu modelo digital
- Acceder a tus archivos tanto en línea como fuera de línea

Más detalles en la página 4.

ES 05/2025



3B Scientific

SIMULACIÓN MÉDICA

Grupo de Empresas 3B Scientific

Encuentre todos los productos en 3bscientific.com



Acerca de 3B Scientific

El Grupo de Empresas 3B Scientific es líder mundial en la fabricación y distribución de simuladores médicos y soluciones de capacitación educativa. Con sede en Hamburgo, Alemania, y oficinas en todo el mundo, nos dedicamos a proporcionar soluciones innovadoras que fortalecen la experiencia del cliente y establecen nuevos estándares en la educación médica a nivel global.

Impulsados por la misión de mejorar la calidad de la educación médica y sanitaria en todo el mundo, 3B Scientific se compromete con la excelencia. Como destaca Todd A. Murray, CEO de 3B Scientific: „La innovación es el núcleo de nuestras acciones para expandir continuamente las posibilidades de la simulación médica, enriquecer la experiencia educativa en instituciones de todo el mundo y brindar un apoyo inquebrantable a los educadores. Nuestro compromiso se extiende a ofrecer un servicio al cliente excepcional y una atención dedicada, todo ello mientras ofrecemos productos de alta calidad a precios justos y accesibles.“

El Grupo 3B Scientific se encuentra en constante crecimiento y expansión, con un enfoque principal en la simulación médica. Regularmente incorporamos productos innovadores, ofrecemos artículos de mercancía y damos la bienvenida a nuevas marcas en nuestra familia de empresas. Para conocer más sobre nuestro grupo, visite nuestro sitio web en 3bscientific.com.

En este catálogo encontrará una descripción cuidadosamente seleccionada de nuestra oferta en simulación médica. Siempre puede explorar en línea nuestra gama completa de productos en 3bscientific.com.

Por favor, contáctenos si tiene alguna pregunta o consulta.
¡Estamos aquí para ayudarle!

Su equipo de 3B Scientific

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3B Scientific Group:
Un Líder Innovador en Soluciones de Educación Médica y Científica

Fundada en 1948 en Hamburgo, Alemania, 3B Scientific se ha convertido en un referente global en el desarrollo y suministro de soluciones educativas en medicina y ciencia. Nuestro amplio portafolio de productos abarca equipos de simulación avanzados para formación en habilidades, anatomía, atención sanitaria y educación al paciente, el cual se renueva continuamente gracias a innovaciones de vanguardia.
Nuestra **misión** es impulsar la prestación de servicios médicos y de salud mediante productos educativos y de simulación caracterizados por su calidad, amplitud y alcance global.

Valores de 3B Scientific
Responsabilidad: Respondemos personalmente a nuestros clientes en 13 idiomas diferentes y adoptamos prácticas éticas, responsables y sostenibles en todo el mundo.
Audacia: Respondemos con flexibilidad a las necesidades de nuestros clientes, influyendo así en el panorama de la educación.
Colaboración: Colaboramos con una extensa red de socios y líderes de opinión clave para alcanzar los objetivos de nuestros clientes, aprovechando nuestra diversidad cultural y presencia global.

Adquisiciones Estratégicas
En 2019, 3B Scientific se expandió con la adquisición de Cardionics, líder en productos de simulación de auscultación, e iSimulate, reconocida por sus innovadoras soluciones de simulación para monitorización de pacientes y desfibrilación.
En 2023, el grupo se consolidó con 4 adquisiciones. iNNOGING presentó una nueva plataforma de aprendizaje en línea para la formación en ultrasonido. Lifecast Body Simulation introdujo maniquíes hiperrealistas y culturalmente diversos para la enseñanza de habilidades técnicas y no técnicas. Wallcur aportó una solución fundamental para la simulación en el ámbito farmacéutico, instruyendo sobre la seguridad en la preparación y administración de medicamentos. IngMar Medical se unió al grupo 3B como líder mundial en formación en técnicas respiratorias y ventilación.
En 2024, Echo Healthcare, junto con Immersive Interactive y VSI (Veterinary Simulator Industry), se integraron al grupo, aportando maniquíes y máscaras de mayor diversidad cultural, además de entornos de capacitación inmersivos. Veterinary Simulator Industries desarrolla simuladores animales de alta fidelidad que permiten a los estudiantes de veterinaria dominar habilidades diagnósticas y prácticas sin poner en riesgo a animales vivos.

▶ TODAS ESTAS COMPAÑÍAS FUERON PIONERAS Y REFERENTES EN SUS SEGMENTOS. MANTÉNGASE ATENTO A LOS PRÓXIMOS DESARROLLOS EMOCIONANTES!



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iSimulate
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innoging
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Cardionics
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Echo Healthcare
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IngMar Medical
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immersive
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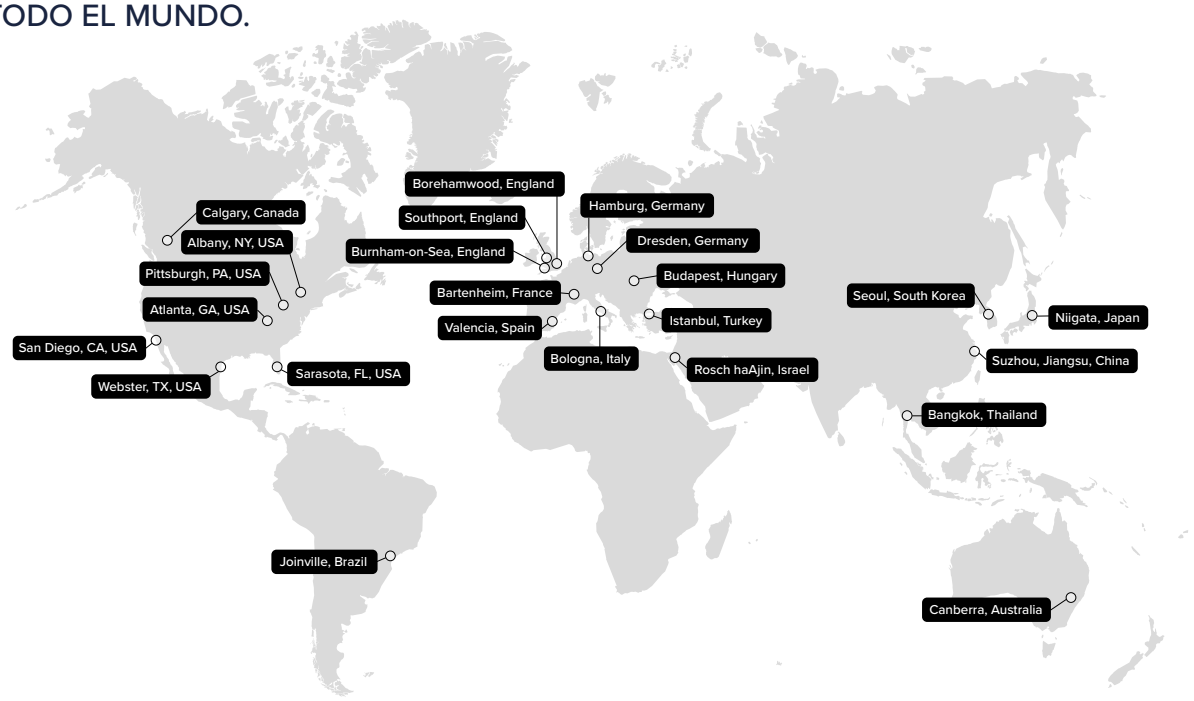
Wallcur®
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VSI | A 3B SCIENTIFIC COMPANY

LIFECAST
A 3B SCIENTIFIC COMPANY

STOPS MEDICAL
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▶ EL GRUPO DE EMPRESAS 3B SCIENTIFIC SE ENCUENTRA REPRESENTADO EN TODO EL MUNDO.







NUEVO

Atlas Baby,
El simulador pediátrico de ALS P77

Atlas Baby, la incorporación más reciente a la familia 3B Atlas, establece un nuevo estándar en la educación en soporte vital avanzado pediátrico (PALS). Diseñado con precisión e innovación, Atlas Baby garantiza una experiencia realista y práctica para los profesionales de la salud.

Características clave:

- Diseño integral: Cabeza intubable, pecho apto para RCP, brazos IV, piernas IO/IM y un ombligo adicional para la inserción de catéter en recién nacidos
- Caja torácica realista: Su estructura única permite realizar compresiones realistas durante la RCP
- Vías respiratorias anatómicamente precisas: Perfectas para el manejo de las vías aéreas en entrenamiento
- Integración inalámbrica: Totalmente compatible con REALITi 360, ofreciendo una operación sin fisuras y lista para usar



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Entrenamiento de Soporte Vital Avanzado Optimizado con la familia Atlas

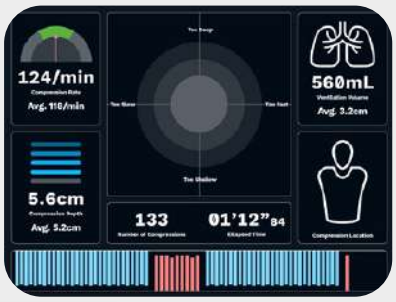
Desde la formación en ALS para adultos hasta la formación en ALS pediátrica, la familia Atlas —que abarca Atlas, Atlas Junior y la incorporación más reciente, Atlas Baby— ofrece una solución integral para dominar habilidades avanzadas en soporte vital. La familia está integrada de forma inalámbrica con REALITi 360, lo que garantiza una solución completa para la formación en ALS conforme a AHA/ERC. Diseñados para un manejo realista de las vías respiratorias, RCP, desfibrilación, administración de medicamentos y más, estos simuladores permiten a los profesionales de la salud desarrollar confianza y experiencia. Este capítulo celebra la evolución de la familia, destacando su crecimiento desde la formación orientada a adultos hasta la formación pediátrica, con cada incorporación que mejora la calidad y el realismo para cumplir con los estándares clave en la educación en ALS.
¡Verdaderamente invaluable!



- Atlas Baby y REALITi 360 facilitan conjuntamente un entrenamiento PALS conforme a AHA/ERC. Además de Atlas Baby, REALITi 360 simula monitores de pacientes reales, desfibriladores y ventiladores. Esta potente combinación ofrece condiciones de entrenamiento realistas para dominar habilidades esenciales para salvar vidas.

Desata el poder de la innovación con la incorporación más reciente a la familia 3B Scientific Atlas. Atlas Baby establece un nuevo estándar en la educación en soporte vital avanzado pediátrico (PALS).

Tono de piel claro	1025291
Tono de piel oscuro	1025292



REANIMACIÓN CARDIOPULMONAR

- Cumple con AHA/ERC
- Retroalimentación en tiempo real de RCP
- Detección de la posición de las manos
- Profundidad de la compresión torácica
- Frecuencia de la compresión torácica
- Rebote de la pared torácica
- Visualización del volumen de ventilación
- Relación compresión-ventilación
- Tonos de asistencia para RCP
- Retroalimentación audiovisual
- Fracción de la compresión torácica
- Debriefing

VÍA AÉREA

- Vía aérea realista
- Intubación oral y nasal utilizando dispositivos básicos y avanzados para el manejo de la vía aérea
- Confirmación de la correcta colocación de la vía aérea avanzada (tubo endotraqueal) mediante capnografía de forma de onda
- Intubación del bronquio derecho
- Intubación esofágica
- Insuflación gástrica

CARDÍACO

- Uso con un desfibrilador simulado
- Colocación de almohadillas de desfibrilador
- Impresión de electrocardiograma de 12 derivaciones
- Colocación de 10 electrodos para ECG
- Evaluación y tratamiento de más de 70 arritmias
- Cardioversión
- Estimulación

CIRCULATORIO

- Sitio IV
- Sitio IO
- Administración de fármacos
- Reanimación con fluidos
- Manejo de la temperatura
- Niveles ajustables de PA (sistólica/diastólica)
- Pulso carotídeo automático (sincronizado con ECG)
- Frecuencias de pulso variables

Atlas, el simulador de ALS P75
Referencia de formato: Atlas, el simulador de ALS P75

Atlas Adulto, el primero de la familia, es un maniquí de Soporte Vital Avanzado (ALS) de tamaño real, totalmente móvil y diseñado para ofrecer una capacitación in situ sin inconvenientes. Combinando características innovadoras con tecnología avanzada, Atlas ofrece una solución integral para dominar las habilidades de Soporte Vital Avanzado (ALS)

Tono de piel claro 1023796 | Tono de piel oscuro 1024113

Complemento de Atlas de pecho femenino

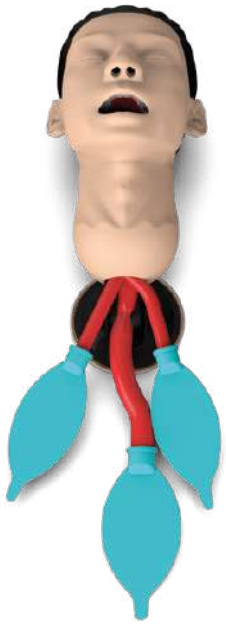


El complemento Atlas de pecho femenino permite realizar una transición fluida hacia una piel de pecho femenino, posibilitando un entrenamiento realista de RCP en mujeres. Destaca la importancia de capacitar en la aplicación de RCP en mujeres para garantizar medidas de salvamento equitativas y efectivas. Este complemento es una herramienta invaluable para consolidar la confianza y potenciar las habilidades en la administración de RCP a pacientes femeninas.

Tono de piel claro 1024557
Tono de piel oscuro 1024558

NUEVO

Simulador de manejo de la vía aérea P73



Simulador de manejo de la vía aérea P73 ofrece una solución realista y duradera para perfeccionar un amplio espectro de procedimientos en el manejo de la vía aérea. Diseñado con características anatómicamente precisas, permite la intubación endotraqueal, la utilización de dispositivos secundarios para la vía aérea e identifica posibles daños dentales durante la laringoscopia. Es una herramienta idónea para la formación práctica en procedimientos de la vía aérea.

1026007



Atlas Junior, el simulador pediátrico de ALS P76

Aunque construido sobre el mismo diseño innovador que Atlas Adulto, Atlas Junior incorpora características especializadas para la atención pediátrica. Inspirado en un niño de 5 años y con un peso de apenas 7 kg, este maniquí a tamaño real ofrece una solución integral para dominar las habilidades de soporte vital avanzado (ALS) en niños. Su diseño ligero garantiza un entrenamiento in situ sin esfuerzo, con precisión y realismo.

Características adicionales incluyen:

- Tres estados de pupila: Ajustes normales, contraídos y dilatados para evaluaciones neurológicas realistas
- Altavoces Bluetooth integrados: Potencia el entrenamiento con capacidades de audio integradas
- Y más: Diseñado para satisfacer los desafíos únicos de la formación en Soporte Vital Avanzado pediátrico

Atlas Junior combina innovación, practicidad y realismo, constituyéndose en una herramienta esencial para la formación en atención médica pediátrica. Atlas Junior combina innovación, practicidad y realismo, estableciendo el estándar en la formación en Soporte Vital Avanzado pediátrico. Construido para inspirar confianza, confiable para obtener resultados!

Tono de piel claro 1024552 | Tono de piel oscuro 1025235







Se ofrecen tres opciones para combinar REALITi 360 con Atlas, Atlas Junior o Atlas Baby

▶ SOLO NECESITA UN REALITI SYSTEM PARA TODA SU ATLAS FAMILY. ELIJA SU REALITI SYSTEM; PARA MÁS DETALLES, CONSULTE LA PÁGINA 16.



REALITi Go

REALITi Go – Inicie su formación en simulación con los fundamentos

1022862

REALITi Plus

REALITi Plus – Optimice sus actividades de simulación

1022815





REALITi Pro

REALITi Pro – Mejore su experiencia de simulación

1022816





REALITi 360 Ecosistema

LAS SIMULACIONES COBRAN VIDA CON EL ECOSISTEMA REALITi 360:

- Imita desfibriladores, monitores y ventiladores reales
- Incluye un Training Management System integrado para acceder a todos sus datos de simulación
- Dispone de una biblioteca integrada de radiología y ECG de 12 derivaciones
- Transforma cualquier entrenamiento en una simulación de escenarios de alta calidad
- Permite la creación de escenarios personalizados en cuestión de minutos

▶ REALITi 360 ECOSYSTEM – ELIGE EL TUYO HOY – SIN COSTES ADICIONALES

REALITi 360 simula una amplia variedad de pantallas de monitores para pacientes, desfibriladores y ventiladores de marcas premium, proporcionando un realismo adicional a su formación in situ.
Las pantallas simuladas replican con precisión las interfaces de usuario reales y constituyen un componente esencial del software REALITi de la plataforma REALITi 360 Community. REALITi 360 puede utilizarse al instante o mediante escenarios preprogramados. Los instructores pueden añadir y crear fácilmente sus propios escenarios o descargar escenarios gratuitos de la plataforma REALITIi 360 Community.



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Monitoreo de Pacientes

En enero de 2020, iSimulate se integró como parte esencial de 3B Scientific Group. Actualmente, nuestro enfoque principal se orienta a la mejora continua de nuestro conjunto de funcionalidades y a la integración de una amplia gama de interfaces de diversos dispositivos comúnmente utilizados en el ámbito médico.

iSimulate, establecida en 2011, fue fundada con la misión de ofrecer herramientas de simulación eficientes, fiables y realistas. La innovadora solución desarrollada ha transformado la formación en simulación sanitaria a escala global.

Algunos ejemplos de las pantallas premium simuladas de fabricantes líderes incluyeron:

Hamilton T1 Ventilador
8001137



DEFIGARD Touch 7 Defibrilador
8001000



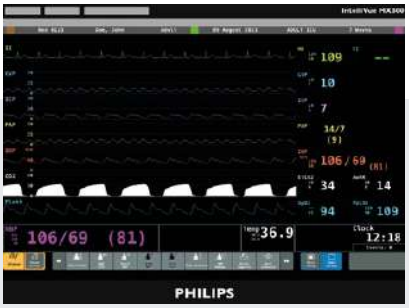
ZOLL X Defibrilador Avanzado
8001205



Corpuls 3T Desfibrilador
8001071



Philips Intellivue MX800
Monitor de Paciente
8000974



Lifepak 15 Desfibrilador
8000971



▶ DESCUBRA EL REALITI 360 KIT PARA RESPALDAR SUS REQUISITOS DE CAPACITACIÓN ESPECÍFICOS:

	REALITi Go	REALITi Plus	REALITi Pro
Número de artículo	1022862	1022815	1022816
Pantallas Universales (Genéricas) – Monitores de Pacientes, Desfibriladores, AEDs y Ventiladores"	6	6	6
Número de pantallas Premium incluidas (Zoll, Philips, Schiller, etc.)	–	1	5
Pantallas Premium Opcionales para elegir	25+	25+	25+
Tableta de Monitorización del Paciente (incluido)	iPad Air 13”	iPad Air 13”	iPad Air 13”
Tableta de Control (incluido)	iPad 10.9”	iPad 10.9”	iPad 10.9”
1 enrutador WiFi	✓	✓	✓
1 USB Powerbank	✓	✓	✓
1 Bolsa de simulación y juego de accesorios*	✓	✓	✓
Formas de onda de ECG – Ritmo controlable	80+	80+	80+
ECG – Funciones Avanzadas	✓	✓	✓
Electrocardiograma en reposo – 12 Derivaciones	✓	✓	✓
ECG en vivo y dinámico – 12 derivaciones	–	✓	✓
Formas de onda SpO2	✓	✓	✓
Formas de onda de CO2	✓	✓	✓
Formas de onda de presión arterial invasiva	✓	✓	✓
Formas de onda en Cuidados Críticos	–	ICP, CVP, PAP**	ICP, CVP, PAP**
Mantiene CO2 durante la RCP	✓	✓	✓
Creación del Escenario	✓	✓	✓
Radiología e Imágenes del Paciente	✓	✓	✓
Informes de Laboratorio	✓	✓	✓
Sistema de Gestión de la Formación	✓	✓	✓
Módulo de Retroalimentación de RCP	Opcional	Opcional	✓
Módulo de Video Debriefing Referencia de Formato: Módulo de Video Debriefing"	Opcional	Opcional	✓
Expediente del Paciente	Opcional	✓	✓
Módulo de Control Remoto	Opcional	Opcional	Opcional

* Juego de accesorios: 3 cables de derivación ECG con conector de clip, 7 cables de derivación ECG con conector de clip, cable troncal ECG de 10 derivaciones, sensor SpO2 (Adulto, Ped, Neo), manguito NIBP (Adulto, Ped, Neo), Conector para parches de desfibrilador/AED y parches de desfibrilador (Adulto y Ped), electrodos ECG desechables para adultos y pediátricos, sensor EtCO2 y sonda de temperatura.

** Disponible en monitores de pacientes y desfibriladores seleccionados.

SimConnect

Aplicaciones Diversificadas y Realismo Mejorado
SimConnect optimiza la formación con accesorios para todas las edades, ofreciendo retroalimentación en tiempo real de la ventilación BVM, monitorización precisa de la frecuencia respiratoria y visualización de trazas de CO_2. Combínelo con el módulo RCP para obtener una solución formativa completa. La conectividad sin interrupciones se integra con el sistema REALITi 360 para una experiencia inmersiva. Funciona con cualquier maniquí.

1024636

Nota: SimConnect requiere un REALITi 360 System (1022862, 1022815, 1022816) para funcionar





REALITi SimScope
Estetoscopio para Entrenamiento en Auscultación

REALITi SimScope es un módulo electrónico de entrenamiento equipado con estetoscopio, diseñado para los simuladores de monitorización de pacientes REALITi 360, creado para perfeccionar la práctica de la auscultación con pacientes estandarizados y maniquíes. Añada el REALITi SimScope a cualquiera de sus sistemas REALITi.

1022954



REALITi Go

Inicie su entrenamiento de simulación con lo básico
Equipado con 6 pantallas universales, los instructores cuentan con una configuración diseñada para preparar a los participantes del curso de forma efectiva y realista para sus asignaciones en el ámbito prehospitalario y hospitalario.

1022862



REALITi Plus

Mejore sus actividades de simulación
Incorpore una pantalla premium simulada a su entrenamiento. REALITi Plus es la opción ideal para familiarizar al personal médico con el funcionamiento y las características de un monitor de paciente, desfibrilador o ventilador.

1022815



REALITi Pro

Mejore su experiencia de simulación
REALITi Pro presenta 5 pantallas premium, ofreciendo una solución portátil y avanzada para la formación médica. Incluye un kit completo de hardware y software para debriefing, transmisión de video y evaluación del entrenamiento, junto con un módulo de RCP que brinda retroalimentación en tiempo real sobre la frecuencia, la profundidad y el retorno.

1022816



Embalaje del Multi-Junctional Bleed Trainer (MJBT) incluido en el TAMK

Kit de Moulage Avanzado TCCC (TAMK)

El TAMK eleva la formación médica al proporcionar una colección completa de heridas portátiles que ofrecen una retroalimentación táctil y visual hiperrealista. Diseñado para su uso en diversos entornos de capacitación, este kit versátil permite a los alumnos practicar intervenciones médicas reales en simuladores anatómicamente precisos o en actores en vivo.

Características clave:

- Simulación Realista de Lesiones:
  Incluye una amplia variedad de patrones de heridas, tales como laceraciones, quemaduras, fracturas y amputaciones, brindando a los usuarios experimentar diversos escenarios de trauma.
- Ponible y Adaptable:
  Heridas duraderas, con ajuste anatómico, se aplican de forma rápida y pueden utilizarse en actores en vivo o maniquíes para configuraciones de entrenamiento versátiles.
- Compatibilidad BPS:
  Se integra de forma óptima con nuestros Blood Pumping Systems (BPS)* para simular el sangrado activo, facilitando la práctica realista de técnicas de control de hemorragias.

Tono de piel claro 1025986 | Tono de piel oscuro 1025977

**BPS Basic (1025873/1025869) y BPS Deluxe (1025883/1025878) son compatibles con el TCCC*



3B Scientific
WORLDWIDE GROUP OF COMPANIES

STOPS MEDICAL
A 3B SCIENTIFIC COMPANY

Preparado para Salvar Vidas: Capacitación en Trauma y Cirugía

En los momentos críticos en que la precisión y la preparación determinan la diferencia entre la vida salvada y la pérdida, el dominio del trauma y las intervenciones quirúrgicas es esencial. Este capítulo se adentra en soluciones de entrenamiento de última generación, diseñadas para perfeccionar habilidades y fortalecer la confianza en escenarios de alta presión. Desde el control de hemorragias hasta técnicas quirúrgicas avanzadas, nuestros productos capacitan a los aprendices para enfrentar de forma directa las complejidades del cuidado del trauma. Capacítese en la atención especializada de urgencias con el innovador TCCC Cut Suit, perfeccione las técnicas de sutura en almohadillas de piel realista y optimice los procedimientos laparoscópicos con simuladores de vanguardia. Kits de moulage realistas y entrenadores de cuidado de heridas sumergen a los usuarios en las complejidades del manejo de lesiones, garantizando una preparación integral para los desafíos futuros. Ya sea preparándose para emergencias en el entorno clínico o perfeccionando la experiencia quirúrgica en espacios controlados, esta colección capacita a los profesionales médicos para actuar de manera decisiva, salvar vidas y liderar frente a la adversidad.

▶ HYPER-REALISTIC® TRAINING TOOLS DISEÑADOS PARA CAPACITAR A LOS PROFESIONALES CON HABILIDADES QUE SALVAN VIDAS EN ESCENARIOS DE ALTO ESTRÉS



Atención Táctica al Paciente en Situaciones de Conflicto (TCCC) Traje Cortado

El TCCC Cut Suit está diseñado para elevar el realismo y la efectividad del entrenamiento médico en situaciones de emergencia. El simulador, que es utilizado por las personas, replica lesiones críticas y potencialmente mortales, permitiendo a los alumnos practicar el tratamiento de las causas primarias de mortalidad en escenarios de alto riesgo: hemorragia, obstrucción de la vía aérea y neumotórax a tensión.

Características clave:

- Procedimientos Prácticos Esenciales:
  Permite la práctica de procedimientos vitales, tales como la aplicación de torniquetes, la cricotiroidotomía quirúrgica y la descompresión con aguja en el tórax, entre otros.
- Personalizable por el Usuario:
  La piel y las heridas ajustables y reparables permiten escenarios de entrenamiento variados y repetitivos escenarios.
- Funcionalidad Realista:
  Diseñado para ser utilizado junto con uniformes y equipo, proporcionando una experiencia auténtica para el tratamiento en el Punto de Lesión (POI).

Tono de piel claro 1026000 |Tono de piel oscuro 1025995

▶ EL TCCC CUT SUIT PUEDE UTILIZARSE PARA ESTABLECER UNA AMPLIA VARIEDAD DE ESCENARIOS DE CAPACITACIÓN ALTAMENTE REALISTAS





El 6N1 Trainer presenta piel corporal reparable por el usuario, pieles de cuello, tráqueas y pucks de entrenamiento IO reemplazables por el usuario



6-en-1 Simulador TCCC (6N1)

El 6N1 Trainer es un Hyper-Realistic®, herramienta de simulación con precisión anatómica, diseñada para proporcionar capacitación práctica en procedimientos esenciales para salvar vidas. Diseñada para un uso realista y práctico, equipa al personal médico para realizar intervenciones críticas con confianza en situaciones de alta presión.

Los seis procedimientos que salvan vidas incluyen:

- Inserción complementaria de la Vía Aérea Nasofaríngea (NPA):
  Practique la medición y colocación adecuadas con confirmación visual orofaríngea.
- Limpieza de obstrucciones en las Vías Aéreas Superiores:
  Simule la eliminación de obstrucciones mediante técnicas como el barrido con un dedo.
- Manejo Quirúrgico de la Vía Aérea:
  Incluye cricotiroidotomía y cricotiroidocentesis para procedimientos avanzados de la vía aérea.
- Descompresión con Aguja Torácica:
  Entrene en cuatro sitios, incluida la línea medio-clavicular (MCL) y la línea axilar anterior (AAL).
- Inserción de Catéter Intraóseo Esternal:
  Practique el acceso intraóseo en el esternón para la administración de medicamentos o fluidos.
- Inserción de Catéter Intraóseo en el Húmero Proximal:
  Entrene para lograr un acceso intraóseo eficaz en el brazo superior.

1025848



▶ CAPACITACIÓN REALISTA EN CONTROL DE SANGRADO Y MANEJO DE LESIONES TRAUMÁTICAS!

Simulador de Control de Hemorragias para Brazo P102

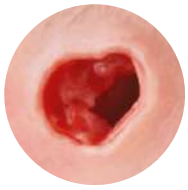
Mejore la formación en la atención prehospitalaria con el asequible Brazo de entrenamiento de control de hemorragias P102 de 3B Scientific. Es la solución ideal para un entrenamiento realista en el control de hemorragias y el manejo de lesiones traumáticas en el brazo. Los aprendices adquirirán confianza en el manejo de hemorragias complejas mediante el uso de torniquetes y el relleno de heridas.



- El brazo cuenta con tres heridas diferentes que sangran de manera independiente
- Sangrado controlado por el instructor mediante un sistema manual de bomba de sangre que simula hemorragia pulsátil, ya sea venosa o arterial
- Retroalimentación directa: el sangrado se detendrá (oclusión mecánica de los vasos sanguíneos) cuando se aplique correctamente el torniquete (colocación y cierre)
- Diseñado para uso en campo: su construcción robusta no requiere baterías ni energía externa y puede ser usado por un Paciente Estandarizado o maniquí







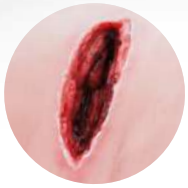


Tono de piel claro	1022652
Tono de piel oscura	1023313

Entrenador de Pierna para el Control de Hemorragia P103

Entrenamiento para el control de hemorragias a su máxima expresión con esta pierna de entrenamiento de control de hemorragias P103, su solución asequible y fácil para un entrenamiento realista del control del sangrado y manejo de lesiones traumáticas en el muslo. Entrene en el manejo de hemorragias difíciles empleando torniquetes, relleno de heridas y desarrollando habilidades para el manejo de amputaciones. La pierna de control de hemorragias P103 está disponible en tonos de piel claros y oscuros.









Características y procedimientos para el control de hemorragia:

- Patrones de herida: laceración profunda (aproximadamente 4 cm de profundidad), herida por arma de fuego con entrada y salida (GSW) y amputación en la región de la rodilla
- Aplicación de torniquete en extremidad con retroalimentación directa: Los torniquetes pueden colocarse altos y apretados en el extremo proximal del muslo, así como a 5-8 cm por encima de las heridas. Si el torniquete se aplica correctamente, el sangrado se detiene automáticamente mediante oclusión mecánica de los vasos sanguíneos
- Relleno de heridas: Se puede palpar manualmente un conducto lacerado y profundo, correspondiente al vaso sanguíneo lesionado Tanto la herida de la unión como la herida por arma de fuego pueden ser empacadas con gasa
- Aplicación de dispositivo hemostático: Las heridas por arma de fuego son aptas para la aplicación del dispositivo hemostático XSTAT®
- Vendaje de muñón y de heridas en áreas extensas

Tono de piel claro 1023106 |Tono de piel oscura 1023314

▶ MEJORE SUS HABILIDADES LAPAROSCÓPICAS CON SIMULACIÓN DE REALIDAD MIXTA DE VANGUARDIA PARA UN ENTRENAMIENTO INMERSIVO Y PRÁCTICO.I7



LAPARO Apex

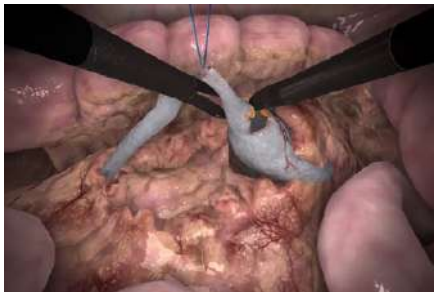
El Laparo Apex VR ofrece una solución de formación innovadora, combinando tecnología avanzada de realidad mixta con retroalimentación háptica realista. Este simulador proporciona entornos inmersivos de VR, seguimiento detallado del rendimiento y una amplia gama de módulos para perfeccionar las habilidades laparoscópicas. Ideal para la educación médica y el desarrollo profesional, garantiza precisión y confianza en la formación quirúrgica.

- Combina ejercicios estructurados en módulos físicos con escenarios de realidad virtual para un entrenamiento laparoscópico integral.
- Ofrece módulos de entrenamiento variados, que abarcan tanto habilidades básicas como procedimientos avanzados, como la colecistectomía y la apendicectomía.
- Utiliza instrumentos de grado clínico, tales como disecadores, pinzas, tijeras y portaagujas, para una práctica realista.
- Incorpora una cámara Full HD con ángulos ajustables (0°, 30°, 45°) y un anillo de enfoque para una visualización precisa.
- Equipado con sensores especializados, permite medir parámetros clave que facilitan el seguimiento preciso de la efectividad y el progreso del entrenamiento.
- Incluye un monitor táctil de 27 pulgadas con una interfaz intuitiva, que facilita la navegación y la revisión de la retroalimentación.
- Soporta conexión en red para el entrenamiento grupal mediante Mental Desktop Server, lo que posibilita el aprendizaje colaborativo y la interacción entre mentor y estudiante.
- Diseñado para optimizar la comodidad y la movilidad, cuenta con un brazo de monitor ajustable y ruedas bloqueables.

1023756







LAPARO Apex Pro

Laparo Apex Pro ha sido diseñado de forma única para la formación laparoscópica pediátrica, contando con puertos dedicados, instrumentos y un laparoscopio pediátrico de 5 mm que permite replicar procedimientos reales. Su diseño híbrido combina la virtual realidad con módulos físicos, proporcionando una plataforma completa para dominar técnicas específicas en pediatría.

- Programa de formación pediátrica (Virtual + Real)
- Tres puertos pediátricos con separación reducida de 4.5 cm
- Trocars adaptados para trabajar con instrumentos de 3 mm
- Conjunto de instrumentos pediátricos
- Laparoscopio pediátrico real de 5 mm de diámetro

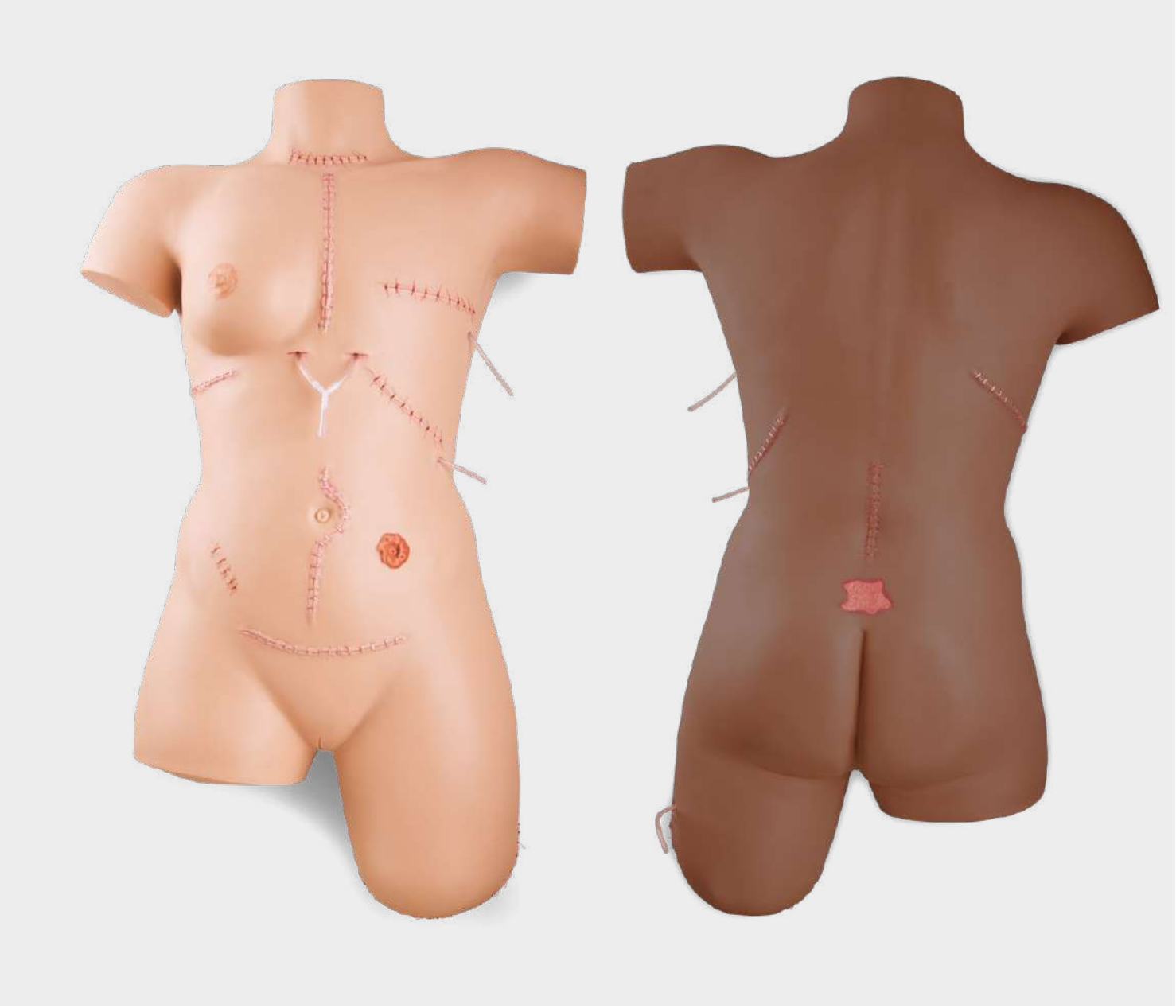
1025090

▶ INSTALACIÓN SENCILLA Y RÁPIDA!

Laparo Advance

Estación de Capacitación Avanzada	1021835
Expert-Set	1024108
Portable	1023658





▶ PRACTICA EL CUIDADO DE HERIDAS CON UN MANIQUÍ REALISTA

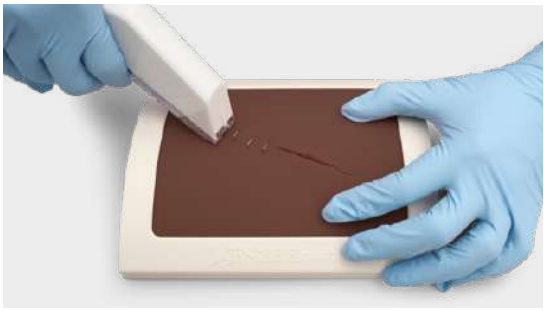
Entrenador de Cuidado de Heridas y Técnicas de Vendaje P100

Utilizando este simulador de alta calidad, los estudiantes aprenden a cuidar de forma óptima las heridas de sus pacientes y pueden practicar una amplia gama de técnicas de apósitos y vendajes. La piel con apariencia real reacciona de manera realista a los adhesivos y vendajes, permitiendo a los estudiantes practicar en condiciones lo más cercanas a la realidad. Gracias a la estructura flexible del material, los estudiantes pueden ejercitar la colocación y el cambio de vendajes y apósitos en entornos realistas.
13 heridas y sistemas de drenaje resultantes de procedimientos quirúrgicos y lesiones se representan de forma realista en el torso con cierres de heridas ya aplicados (grapas y suturas).

Tono de piel claro 1020592 | Tono de piel oscuro 1024569









▶ IDEAL PARA ESTUDIANTES

Entrenador de suturas cutáneas P22

El entrenador de sutura se compone de capas de piel de silicona que brindan al usuario una experiencia sensorial al tacto. Mediante el uso de la base propietaria incluida, los usuarios pueden aplicar tensión a la piel de la placa de sutura para lograr una experiencia de sutura más realista. Con un bisturí afilado, es posible cortar las heridas a la profundidad o ubicación deseada en la placa de sutura. Cada corte puede ser suturado repetidamente hasta que la piel en cualquier punto quede tan perforada que ya no soporte más suturas

Skin Suture Trainer será de utilidad para la capacitación en los siguientes procedimientos:

- Sutura en cordón
- Sutura continua
- Sutura interrumpida
- Sutura con grapadora
- Sutura Z-Plasty

Tono de piel claro 1024494 |Tono de piel oscuro 1024495

▶ APLICA LA HERIDA EN CUALQUIER PARTE DE ESTE BRAZO Y PRACTICA SUTURAR CIENTOS DE VECES!

Brazo de Entrenamiento para Sutura P101

El brazo para práctica de sutura ofrece la posibilidad de realizar un entrenamiento en sutura significativamente más avanzado que con las almohadillas de sutura convencionales. Además, cada herida puede ser suturada en múltiples ocasiones, convirtiendo a este dispositivo en una opción sumamente económica.

- Dedos articulados para el entrenamiento en sutura de heridas complejas entre los dedos
- Piel y tejido subcutáneo diferenciados para ofrecer una experiencia realista
- Las heridas pueden ser generadas por el instructor en cualquier parte del brazo de entrenamiento
- Para procedimiento de grapas quirúrgicas

Tono de piel claro 1020904 | Tono de piel oscuro 1023312







Aurora: el simulador de capacitación en ventilación

Aurora cuenta con pulmón interno simulado avanzado, Internal Simulated Lung (ISL) basado en el reconocido Simulador de Respiración ASL 5000 que ofrece una experiencia de entrenamiento realista y práctica. Este maniquí posibilita una evaluación integral del paciente y la práctica de múltiples habilidades clínicas, siendo ideal para Terapia Respiratoria, Enfermería, EMS y para Médicos. Entrena con BVM, CPAP/BiPAP y ventiladores de UCI, dominando técnicas que abarcan desde la ventilación protectora pulmonar hasta la determinación óptima de PEEP. Utilice vías respiratorias realistas para la práctica de intubación y explore diversos modos de ventilación para perfeccionar sus habilidades clínicas.

Principales características y beneficios:

- Pulmón simulado interno avanzado (ISL)
- Retroalimentación en tiempo real para el entrenamiento con BVM
- Dominio de técnicas de ventilación no invasiva
- Entrenamiento realista en simulación de ventilación en cuidados críticos

Tono de piel claro 1025194 | Tono de piel oscuro 1025195



3B Scientific
WORLDWIDE GROUP OF COMPANIES

IngMar Medical
A 3B Scientific Company

Manejo Respiratorio

Una gestión respiratoria eficaz es fundamental tanto en situaciones de emergencia como en cuidados intensivos. IngMar Medical, una compañía de 3B Scientific, ofrece una gama integral de simuladores y escenarios de simulación diseñados para potenciar las habilidades clínicas en la evaluación y manejo de condiciones respiratorias. Al abarcar técnicas esenciales como la evaluación de la vía aérea y la administración de oxígeno, así como intervenciones avanzadas como la ventilación mecánica, estos simuladores están orientados a dotar a los profesionales de la salud de la experiencia necesaria para proporcionar un soporte respiratorio puntual y preciso. Cada simulador está concebido para fomentar la toma de decisiones críticas, la destreza práctica y la adaptabilidad ante una variedad de emergencias respiratorias. Los simuladores de IngMar Medical son altamente versátiles y compatibles con casi cualquier modelo de ventilador y modo de ventilación.





▶ CAPACITACIÓN EN VENTILACIÓN ALTAMENTE REALISTA A UN PRECIO ACCESIBLE

Sistema de Respiración QuickLung

El Sistema de Respiración QuickLung es una herramienta innovadora y esencial para profesionales de la salud, diseñada para simular mecánicas respiratorias realistas. El dispositivo simula la respiración espontánea, permitiendo al profesional médico, a los educadores respiratorios y a los médicos neumólogos o de cuidados críticos perfeccionar sus habilidades con modos avanzados de ventilación, garantizando un alto estándar de atención y seguridad en el manejo respiratorio. El Sistema de Respiración QuickLung ofrece un realismo inigualable con configuraciones ajustables de resistencia y cumplimiento, imitando diversas condiciones pulmonares y patrones de respiración para un entrenamiento integral.

El sistema de Respiración QuickLung ofrece:

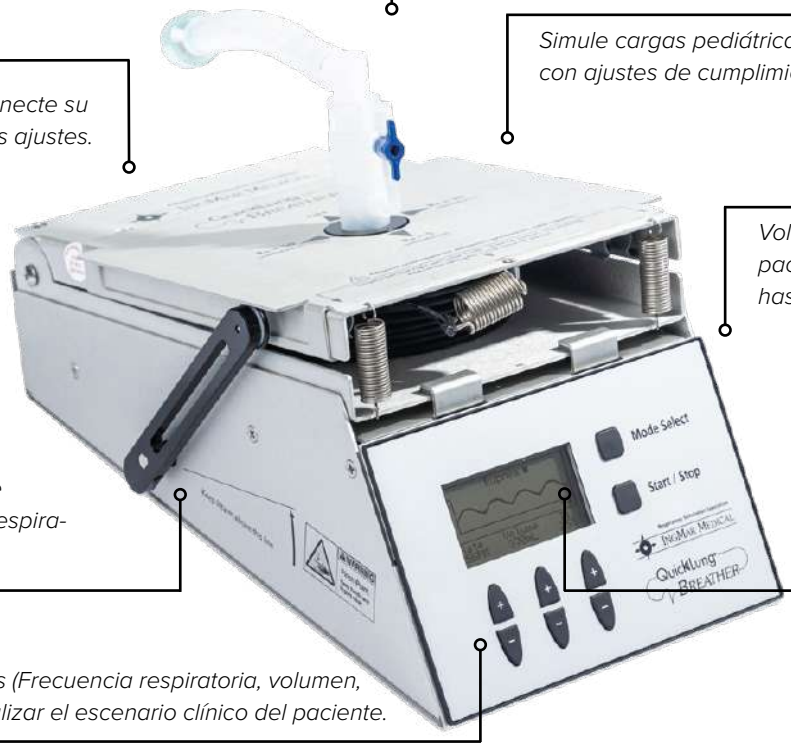
- Capacidades de simulación y capacitación
- Interacciones del usuario y retroalimentación en tiempo real
- Durabilidad y eficiencia de costos

Adulto 1025192 | Pediátrico 1025193

Cambie entre 3 niveles de resistencia.

Simule cargas pediátricas hasta las de adultos con ajustes de cumplimiento variables.

Configuración sencilla: conecte su ventilador y seleccione los ajustes.



Volumen corriente desde pacientes pediátricos pequeños hasta adultos.

Cree rápidamente escenarios clínicos de pacientes seleccionando entre cinco patrones respiratorios: Eupnea, Cheyne- Stokes, Biot's, Kussmaul y Apneusis.

Liftarm abre los fuelles de QuickLung para simular respiraciones espontáneas.

Seleccione los parámetros (Frecuencia respiratoria, volumen, Relación I:E) para personalizar el escenario clínico del paciente.



RespiSim® Essential

RespiSim® Essential utiliza el reconocido Simulador de Respiración ASL 5000 para ofrecer una solución avanzada de simulación de ventilación destinada tanto a educadores como a investigadores. El ASL 5000® es el único simulador pulmonar que permite la simulación de un rango completo de pacientes: desde neonatal hasta adulto, y puede utilizarse para entrenar en técnicas de ventilación no invasivas e invasivas. Este sistema puede ser empleado para realizar investigaciones clínicas, convirtiéndolo en una herramienta ideal para especialistas en el cuidado respiratorio.

Principales características y beneficios:

- Simulador de Respiración ASL 5000
- Simula una amplia gama de pacientes: neonatal – adulto
- Diseña escenarios educativos y realiza investigaciones clínicas
- Plataforma RespiSim Software, intuitiva y de fácil uso diseñado por educadores para educadores

1025223



▶ SIMULADOR INTEGRAL DE VENTILACIÓN PARA EDUCADORES E INVESTIGADORES



e Sono para Instituciones

Este Ultrasound Simulation Software cierra la brecha entre el conocimiento teórico y la experiencia práctica para estudiantes de enfermería, medicina, fisioterapia y campos paramédicos.

e Sono ofrece un entorno de aprendizaje realista e inmersivo, permitiendo la práctica sin riesgos en pacientes virtuales. Garantiza que los estudiantes perfeccionen sus habilidades diagnósticas en ultrasonido con confianza. Ideal para instituciones educativas que buscan mejorar sus programas médicos, e Sono prepara a los futuros profesionales de la salud para la excelencia clínica.

Al proporcionar experiencia práctica con detalles anatómicos complejos y escenarios de la vida real, e Sono establece un nuevo estándar en la educación médica, preparando a los estudiantes para los desafíos del entorno sanitario.

- Acceda a una biblioteca con cientos de escaneos, que incluye casos tanto anatómicos como patológicos
- Sin hardware: solo requiere una conexión a Internet para acceder a la plataforma mediante un navegador
- Aprenda mediante escaneos obtenidos de pacientes reales
- Amplíe sus clases de ultrasonido, desde pequeños grupos hasta cientos de estudiantes
- Ofrezca a los estudiantes horas extra ilimitadas de práctica, en cualquier momento y lugar

8001206



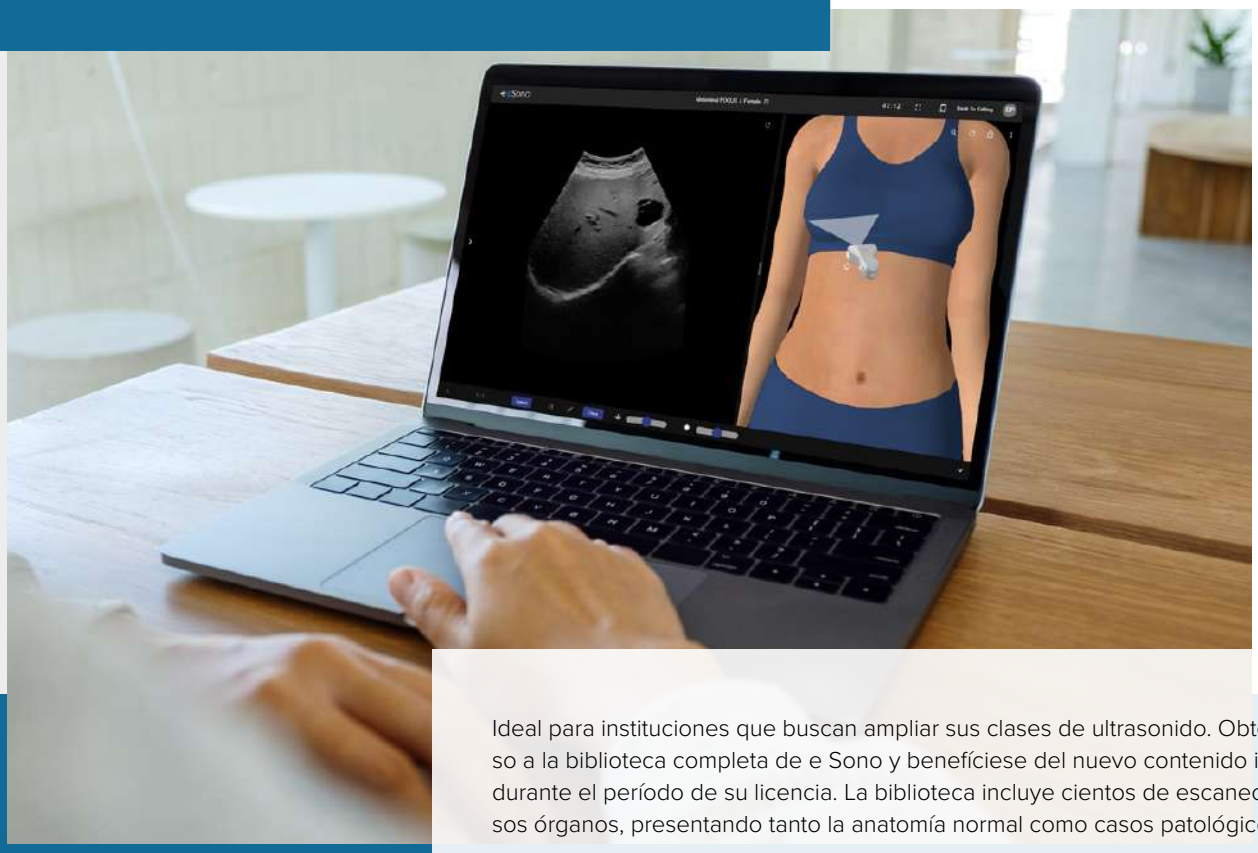
3B Scientific
WORLDWIDE GROUP OF COMPANIES

e Sono
A 3B SCIENTIFIC COMPANY

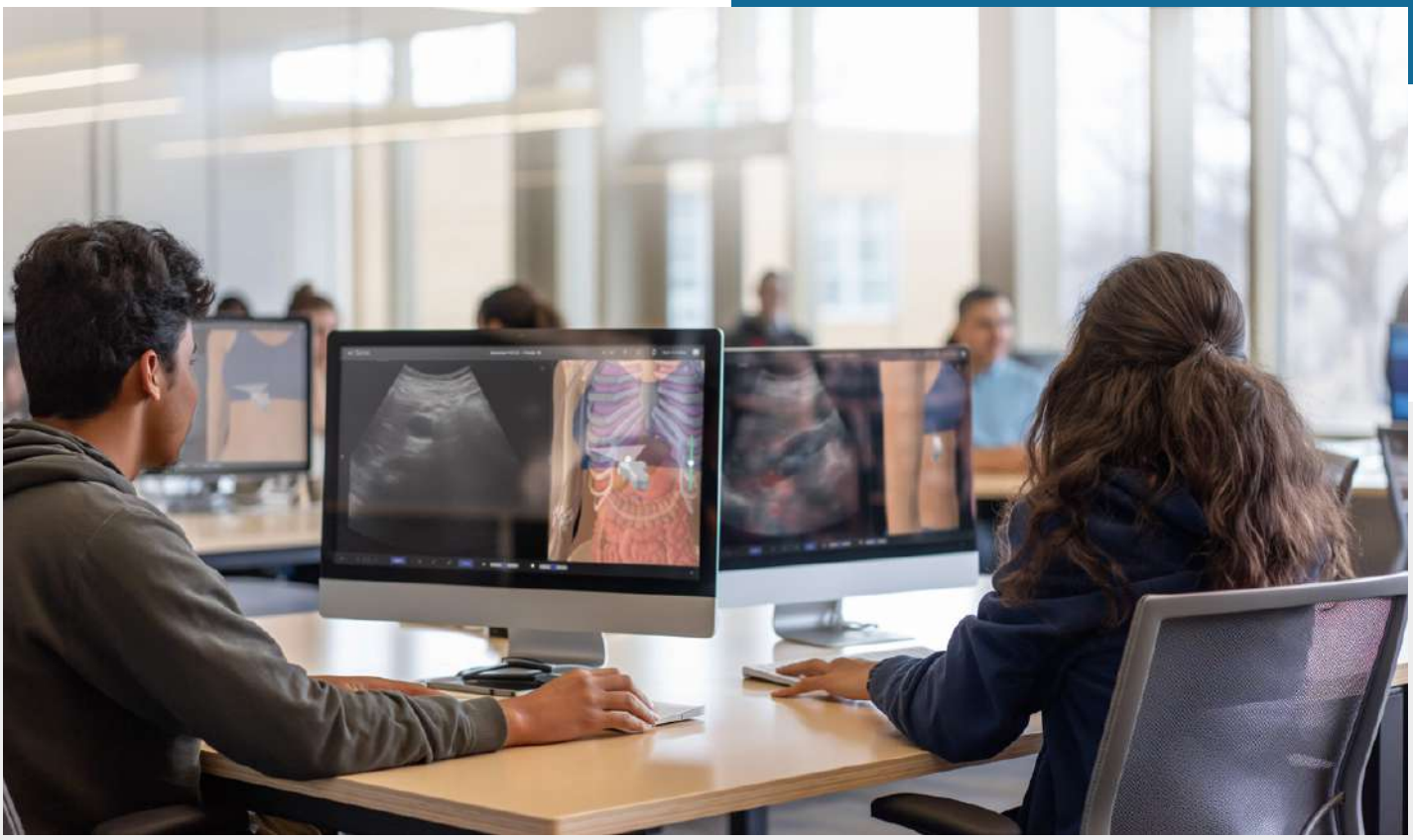
Ultrasonido

La ecografía es una técnica de imagen esencial y no invasiva utilizada en diversos campos de la medicina con fines diagnósticos. Es indispensable no solo para los radiólogos, sino también para otros profesionales de la salud. La simulación en ecografía juega un papel crucial en la formación médica, permitiendo a estudiantes y técnicos aplicar sus conocimientos anatómicos en un entorno de práctica realista. Con simuladores de ecografía, los aprendices pueden adquirir experiencia en la realización de procedimientos diagnósticos comunes, distinguiendo entre la anatomía normal y las patologías, y practicando procedimientos guiados por ecografía de carácter no complejo.

▶ E SONO PLATAFORMA PARA INSTITUCIONES



Ideal para instituciones que buscan ampliar sus clases de ultrasonido. Obtenga acceso a la biblioteca completa de e Sono y benefíciese del nuevo contenido incorporado durante el período de su licencia. La biblioteca incluye cientos de escaneos de diversos órganos, presentando tanto la anatomía normal como casos patológicos.



Curso de POCUS Abdominal por e Sono

Aprende el protocolo POCUS a través de casos clínicos reales de 48 pacientes y 260 exploraciones reales.

El contenido abarca condiciones como AAA (Aneurisma de la aorta abdominal), Colecistitis Aguda, Cirrosis, Vejiga Urinaria Distendida, Hígado Graso, GB Stone (Gallbladder Stones), Próstata Grande, Hidronefrosis Leve, Quiste Prostático y Cálculo Renal.

Disponible para instituciones y usuarios finales

8001268



Condición del paciente resaltada utilizando herramientas de anotación y Sono



Curso de GUSI POCUS Potenciado por e Sono Simulator Software

POCUS E-Sim Complete de e Sono y GUSI

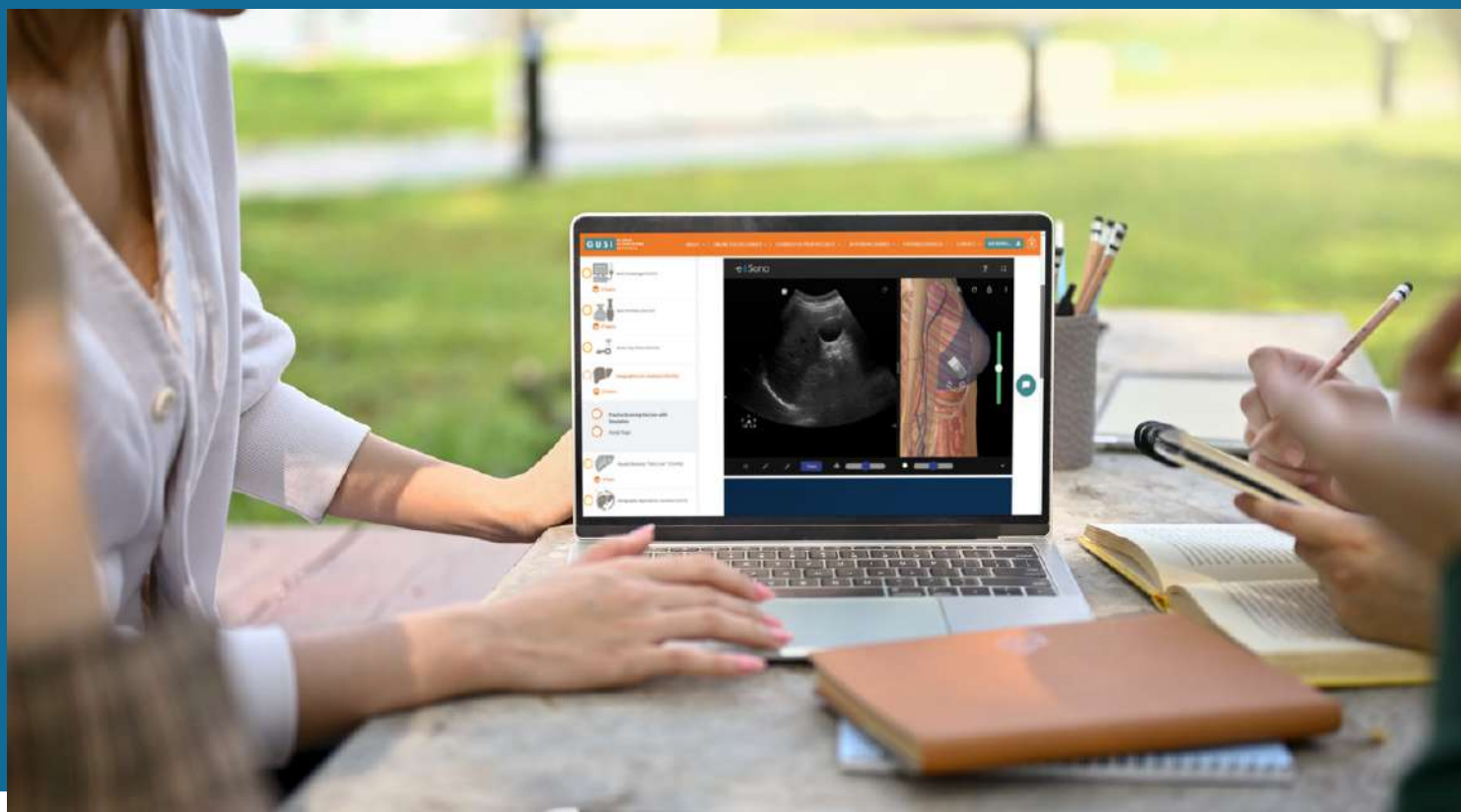
En asociación con GUSI (Global Ultrasound Institute), este curso brinda a los estudiantes la oportunidad de aprender los fundamentos de la ecografía y las condiciones del paciente, todo potenciado por el simulador e Sono.

Aprende ecografía utilizando protocolos POCUS establecidos y consolida tus conocimientos mediante la práctica con e Sono.

Accede a más de 100 módulos y a más de 1000 simulaciones integradas en e Sono. El contenido abarca FAST/E-FAST, Eco Cardiaco, Musculoesquelético, Obstetricia (1er, 2do y 3er trimestre), Pediatría, Neumología, Vesícula biliar, y muchos más.

Disponible para instituciones y usuarios finales

8001277





SONO*train* Modelo de Vena para Ultrasonido P120

Mejore sus habilidades en ecografía con el 3B Scientific® SONO*train* Ultrasound Block – un entrenador versátil y altamente realista para la educación médica y el perfeccionamiento de competencias. El dispositivo cuenta con tres vasos sanguíneos de 4, 8 y 15 mm de diámetro, junto con flujo ajustable, proporcionando un realismo inigualable para procedimientos de punción e inyección.

- Ecogenicidad y textura realistas para imágenes de ultrasonido mejoradas.
- Fácil de usar.
- Capacitación de calidad a un precio accesible

Tono de piel claro 1019637 | Tono de piel oscuro 1024719









SONO*train* Modelo de Pecho con Tumores P125

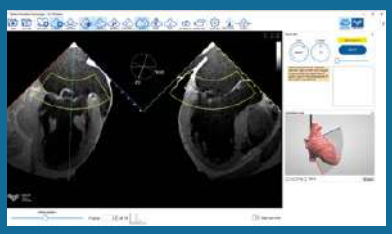
Mejore su entrenamiento en ultrasonido con el SONO*train* Modelo de Pecho, diseñado para replicar la apariencia y el tacto del tejido blando real. Con tres tumores de distintos tamaños, este modelo posibilita la realización realista de palpaciones, punciones y biopsias.

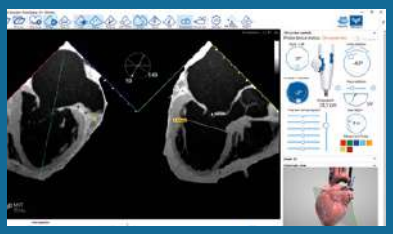
Tono de piel claro 1019635 | Tono de piel oscuro 1024722

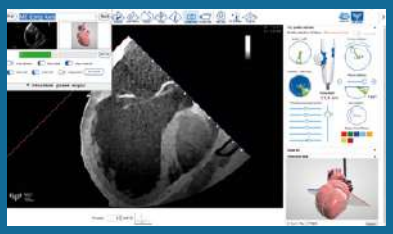
Explora los demás productos de la gama SONO*train*:

SONO*train* Modelo de Cuerpo Extraño, Tono de piel claro	1019636
SONO*train* Modelo de Cuerpo Extraño, Tono de piel oscuro	1024720
SONO*train* Vesícula Biliar, Modelo	1019638
SONO*train* Modelo Mamario con Quistes	1019634









▶ FORMACIÓN REALISTA CON CASOS INDIVIDUALES

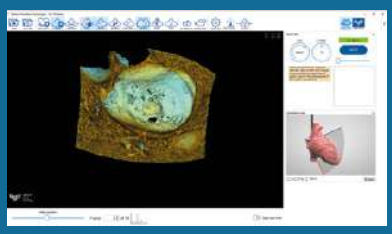
MrTEEmothy® Simulador de Ecocardiografía Transesofágica
La ecocardiografía transesofágica (ETE) es un procedimiento complejo y semiinvasivo que requiere destreza en la manipulación de la sonda. MrTEEmothy® ofrece una solución eficaz para la formación de estudiantes, residentes, cardiólogos, anestesistas y especialistas en cuidados intensivos que buscan adquirir y perfeccionar competencias en ETE sin ocasionar daños innecesarios a los pacientes. Las ventajas e innovaciones de MrTEEmothy® han sido avaladas por una patente europea (EP2538398).



MrTEEmothy® Estándar

Simulador de Ecocardiografía Transesofágica
El simulador MrTEEmothy® Standard se compone de un torso y una sonda ETE, conectados a un portátil dedicado (incluido) mediante un cable USB.

1022128



PARA ABORDAR LAS DIFERENCIAS ANATÓMICAS ENTRE PACIENTES!

MrTEEmothy® Expert



Simulador de Ecocardiografía Transesofágica
El simulador de ecocardiografía transesofágica (ETE) MrTEEmothy® Expert se compone de un maniquí y de una sonda ETE, conectados a un ordenador portátil dedicado (incluido) mediante un cable USB. Esta versión incluye software avanzado y visualización 3D específicamente para el conjunto de datos de la tomografía computarizada. La interfaz de la pantalla muestra los componentes del movimiento de la sonda, tales como la profundidad, las curvaturas, la rotación y el ángulo del plano de imagen.



Ventajas de la Capacitación:
- Utilizar el 'trackball', mediante botones y perillas del panel USB ECHO
- Aprender la anatomía normal y patológica del ETE
- Resaltar detalles anatómicos con marcadores de color, ubicados en un espacio tridimensional
- Practicar la adquisición y grabación óptimas de vistas ETE estándar
- Realizar mediciones e interpretación de patologías individuales

1022130



NUEVO

Simulador de Ecocardiografía Transtorácica Expert
Comprende los fundamentos de la anatomía e integra tus habilidades en imagenología, independientemente de la modalidad

1025407

Synergy
Simulador de Ecocardiografía Transesofáfica y Simulador de Ecocardiografía Transtorácica

1025408

Synergy+
Synergy + Fluoroscopy
Fusión de imagenología: Explicación conjunta de Fluoroscopía y ETE

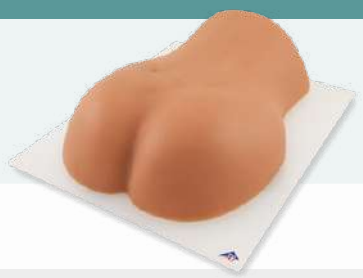
1025409



▶ MEJORE LOS RESULTADOS DE LAS INTERVENCIONES ESPINALES CON CAPACITACIÓN EN INYECCIÓN GUIADA POR IMÁGENES ESTANDARIZADAS!

Columna lumbar P65

1021898



Columna torácica P66

1021899



Columna Cervical P67

1021900





3B Scientific
WORLDWIDE GROUP OF COMPANIES

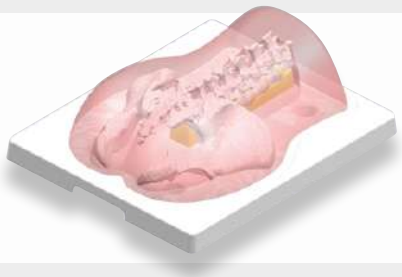
Simuladores de Inyección Guiada por Imagen

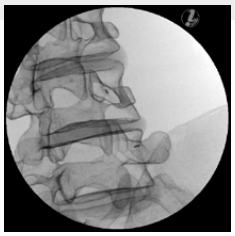
Los entrenadores de inyección guiada por imagen de columna vertebral 3B Scientific® permiten a los participantes del curso adquirir una comprensión tridimensional de los procedimientos para intervenciones espinales exitosas. Aprenderán a correlacionar las imágenes con la anatomía espinal pertinente a los procedimientos intervencionistas para el tratamiento del dolor, a identificar el tejido objetivo y las estructuras vulnerables mediante la imagenología y la inspección anatómica, y a aplicar las mejores prácticas para garantizar la seguridad del paciente durante los procedimientos quirúrgicos de columna vertebral.

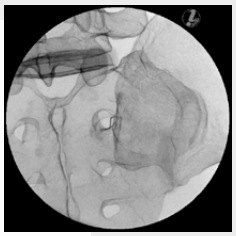
Desarrollado en cooperación con el Dr. Markus Schneider, Bamberg

Especificaciones Clave

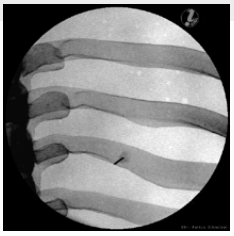
- Radiopacidad similar a la realidad que permite obtener imágenes de rayos X realistas
- Háptica de inyección realista gracias al material auto-sellante
- Estructura ósea anatómicamente precisa
- Puntos de referencia visualmente identificables
- Completamente portátil con un estuche de transporte segura

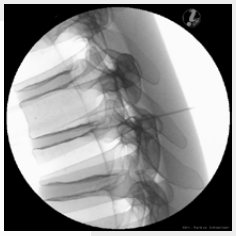


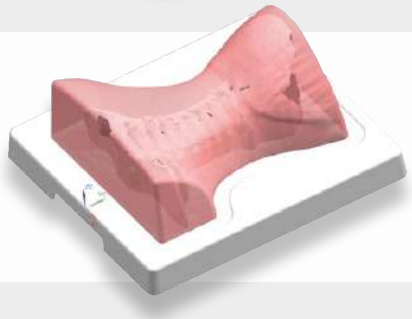




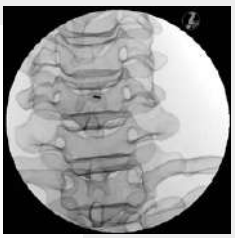












Referencias: Instrumentarium Imaging ZIEHM VISTA • Max KVP: 11OKV, Filtración total: 4.0 mm AL • Punto focal: 0.5/1.5

▶ EXCELENTE EXPERIENCIA HÁPTICA

Entrenador para inyecciones epidurales y espinales P61

Experimenta el realismo en el entrenamiento de inyecciones epidurales y espinales! Con retroalimentación háptica y acústica realista, este entrenador de alta calidad y duradero ha sido diseñado para una práctica versátil y efectiva. Su diseño compacto, económico y su funcionalidad intuitiva lo convierten en la opción ideal para un entrenamiento realista. Entrene la localización del espacio epidural sin ultrasonido para administrar inyecciones epidurales y espinales.

Características de formación:

- Puntos de referencia anatómicos realistas para evaluar el sitio de inserción correcto
- Técnica “Loss of resistance” (LOR) con retroalimentación háptica realista
- Técnica “Hanging-Drop”: Canal espinal lleno de líquido cefalorraquídeo con velocidad realista de salida de fluido gracias al ajuste de exceso de presión
- Es posible insertar un catéter epidural en el espacio epidural
- Entrenamiento en anestesia espinal con resistencia realista de la duramadre y la aracnoides, con o sin cánula

Tono de piel oscuro	1023765
Tono de piel claro	1017891







Retroalimentación háptica sumamente realista



Material auto-sellante para uso repetido

▶ AÑADA LA PÉRDIDA DE RESISTENCIA GERIÁTRICA PARA OPORTUNIDADES ADICIONALES DE CAPACITACIÓN:

Simula la deformación característica de la columna vertebral en un paciente de edad avanzada: Inserto geriátrico opcional para completar tu entrenamiento en habilidades epidurales y espinales

1020800





Vivien & Cecile
Maniquíes Femeninos Senior

Vivien y Cecile aportan el aspecto y el tacto realista de mujeres de avanzada edad y están diseñadas para evocar respuestas naturales durante el entrenamiento. Esto permite a los proveedores de atención médica que se involucren utilizando la empatía para ser más competentes en diversos escenarios con pacientes femeninas de tercera edad. Tanto Vivien como Cecile presentan características detalladas como manchas de la edad, texturas naturales de la piel y expresiones faciales que favorecen prácticas realistas de atención al paciente.

Vivien	1025081
Cecile	1025082







3B Scientific
WORLDWIDE GROUP OF COMPANIES

LIFECAST
A 3B SCIENTIFIC COMPANY

Lifecast Body Simulation

Lifecast Body Simulation crea maniquíes médicos altamente realistas que no solo potencian la formación médica, sino que también fomentan conversaciones significativas en torno al cuidado del paciente. Muchos de estos maniquíes se crean mediante moldes colocados directamente en personas reales, ofreciendo una precisión sin precedentes en la textura cutánea y en las características anatómicas. Elaborados a mano por artistas especializados en Elstree Film Studios en Londres o Sarasota, Florida, cada maniquí es único, e incopora detalles como venas y lunares para distinguir cada modelo.

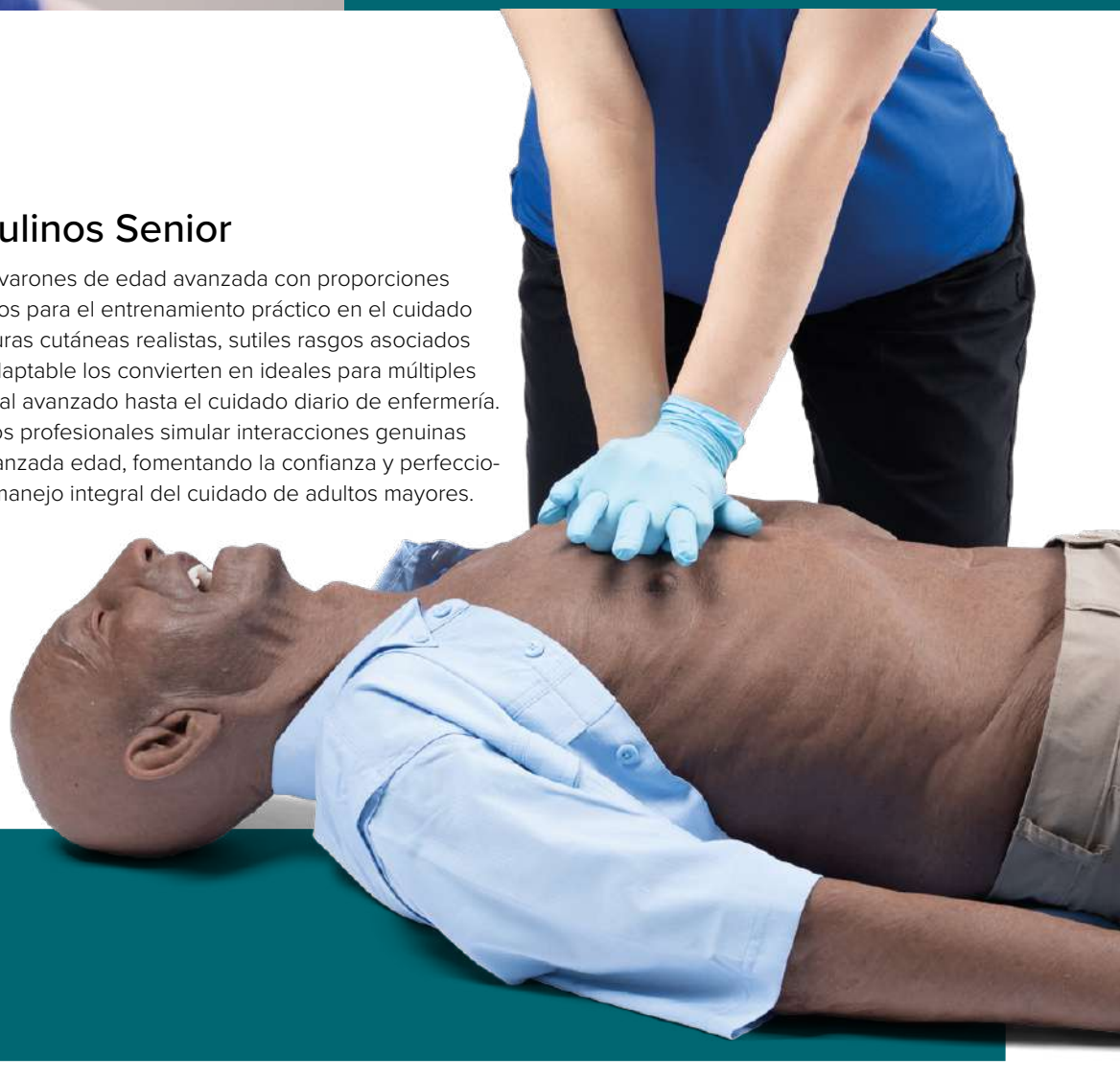
Todos los maniquíes incluyen:

- Cuerpo exterior detallado y realista, basado en la anatomía humana
- Tórax diseñado para RCP, ideal para capacitación de alta calidad
- Vía aérea anatómicamente correcta para la práctica de intubación y manejo de la vía aérea
- Sitios de inserción intraósea disponibles para la mayoría de los modelos (excepto en modelos neonatos prematuros)
- Simulación de respiración con movimiento del tórax durante la ventilación
- Turgencia de la piel para entrenamiento IV y resistencia realista

Pete & James
Maniquíes Masculinos Senior

Pete and James representan varones de edad avanzada con proporciones anatómicas realistas, diseñados para el entrenamiento práctico en el cuidado de adultos mayores. Sus texturas cutáneas realistas, sutiles rasgos asociados al envejecimiento y diseño adaptable los convierten en ideales para múltiples escenarios, desde soporte vital avanzado hasta el cuidado diario de enfermería. Estos maniquíes permiten a los profesionales simular interacciones genuinas con pacientes varones de avanzada edad, fomentando la confianza y perfeccionando sus habilidades en el manejo integral del cuidado de adultos mayores.

Pete	1025393
James	1025108









Alice & Chantel, Carl & Marcus
Maniquíes adultos

Los maniquíes adultos han sido diseñados para ofrecer una experiencia de formación altamente realista a profesionales de la salud, replicando la apariencia, el tacto y la funcionalidad de los pacientes adultos. Cada maniquí se elabora con una textura cutánea realista, peso y precisión anatómica, lo que los convierte en la opción ideal para una amplia variedad de escenarios de atención médica y emergencias.

Alice	1025079	Chantel	1025166
Carl	1025080	Marcus	1025162





Kelsey, la adolescente

Kelsey está especialmente diseñado para abordar las necesidades específicas de la atención médica en adolescentes. Con una apariencia realista y auténticas características anatómicas, este maniquí permite a los profesionales de la salud practicar procedimientos y desarrollar habilidades adaptadas a pacientes adolescentes.

Por qué es relevante el maniquí adolescente:

- Anatomía Adolescente: Proporciones y características auténticas de un adolescente, que posibilitan el manejo y las evaluaciones realistas adaptadas a su edad
- Vía Aérea y Entrenamiento en RCP: Soporta la intubación, el manejo de la vía aérea y la RCP, adaptados a la fisiología adolescente
- Escenarios de Salud Conductual: Facilita la práctica de técnicas de comunicación e intervención específicas para pacientes adolescentes
- Trauma y Respuesta a Emergencias: Prepara a los profesionales de la atención médica para el manejo de lesiones en adolescentes y la atención de trauma mediante una práctica realista

1024738







Gwen

Gwen es una incorporación revolucionaria a nuestra colección, diseñada específicamente para respaldar la formación médica inclusiva dirigida a niños con síndrome de Down. Creada en colaboración con profesionales de la salud y grupos de apoyo, el diseño de Gwen refleja con precisión las características físicas comunes en niños con síndrome de Down, constituye una herramienta indispensable para la formación especializada e inclusiva.

Por qué Gwen es fundamental para la formación médica:

- Características físicas auténticas: Gwen presenta detalles como ojos almendrados, tono muscular reducido y una estatura menor, ofreciendo a los proveedores de atención médica un modelo realista para practicar cuidados específicos
- Manejo desafiante de la vía aérea: La anatomía de Gwen permite la capacitación en intubación de vías aéreas difíciles, ayudando a los profesionales a desarrollar habilidades y confianza en el manejo de la vía aérea en niños con características físicas únicas
- Acceso intraóseo (IO) y otros procedimientos pediátricos: Con características como el acceso IO y texturas de piel realistas, Gwen respalda la capacitación en procedimientos pediátricos adaptados a niños con síndrome de Down

1024735

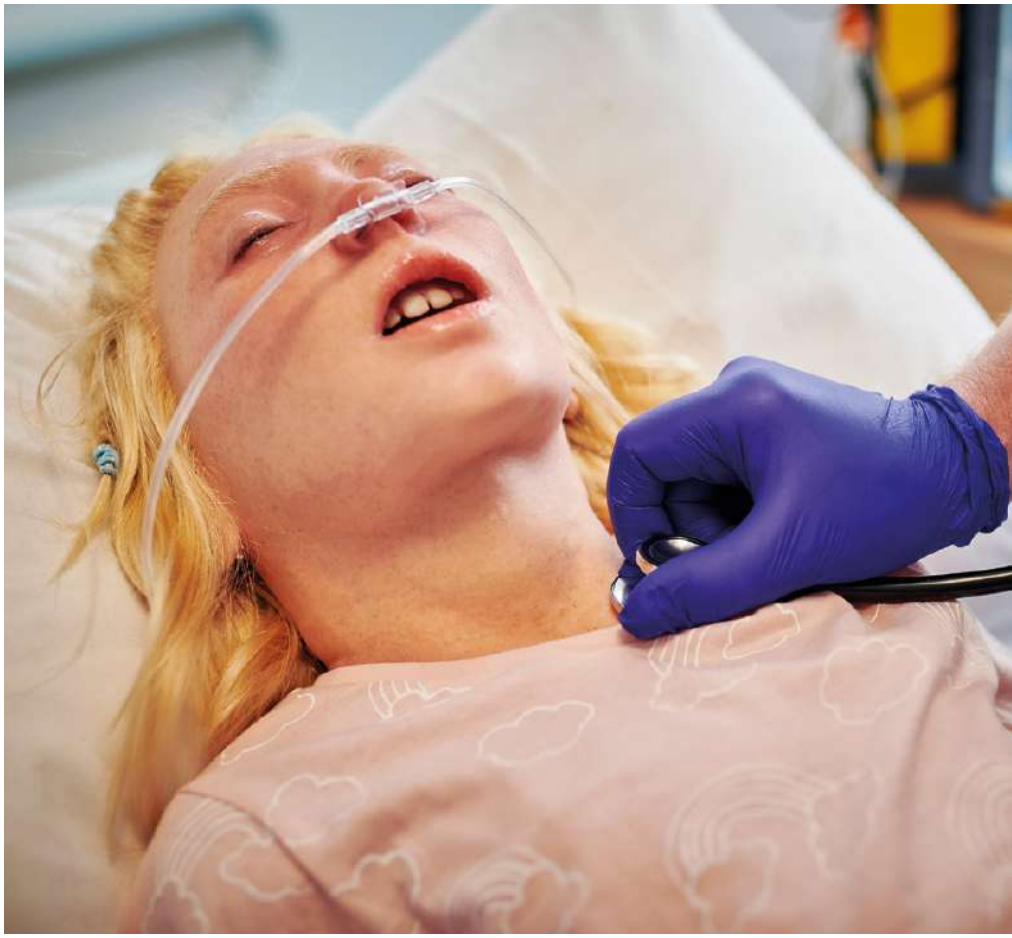




Niño

Los maniquíes pediátricos capacitan a los profesionales de la salud para abordar la atención pediátrica con confianza y competencia. Ya sea mediante la gestión avanzada de la vía aérea, la capacitación a nivel emocional o en escenarios de trauma, estos maniquíes ofrecen realismo y versatilidad para potenciar la educación en salud pediátrica. Diseñados con proporciones realistas y detalles anatómicos semejantes a los de un niño de 8 años, estos maniquíes son incomparables para la practica de habilidades esenciales en el cuidado infantil, desde procedimientos cotidianos hasta intervenciones de emergencia.

Masculino 1025393
Femenino 1024734









Niño pequeño

Los niños pequeños han sido diseñados meticulosamente para reproducir con precisión las proporciones, el peso y las características de manejo propias de un niño de 3 años. Estos maniquíes constituyen una herramienta de entrenamiento indispensable para los profesionales de la salud, facilitando su preparación para enfrentar los desafíos específicos del cuidado de temprana edad. La gama incluye un modelo especializado con trauma torácico, que permite desarrollar escenarios de entrenamiento avanzados en los que, durante la ventilación, se simula la expulsión de fluido o espuma a través de la boca, replicando complicaciones reales.

Tono de piel claro Masculino (Traumatismo torácico)	1024730
Tono de piel claro Masculino	1024728
Tono de piel oscuro Masculino (Traumatismo torácico)	1024731
Tono de piel oscuro Masculino	1024729

Infante

Los maniquíes infantiles han sido diseñados para reflejar las necesidades específicas de los lactantes más allá del periodo neonatal. Con proporciones realistas, peso y anatomía detallada, estos maniquíes proveen a los profesionales de la salud una herramienta fundamental para perfeccionar la atención del lactante. Resultan ideales para el entrenamiento avanzado en el manejo de la vía aérea, abarcando procedimientos como la intubación y la ventilación, así como para simulaciones de reanimación, ya que cuentan con un tórax con capacidad de RCP que responde de forma genuina a las compresiones. Concebidos para respaldar tanto los procedimientos rutinarios como las emergencias críticas, los maniquíes infantiles facilitan que los profesionales desarrollen destrezas tales como la inserción intraósea y la terapia intravenosa, garantizando que estén preparados para ofrecer un cuidado eficaz y compasivo a sus pacientes más jóvenes.

Masculino 1024726| Femenino 1024727







Bebé a término

Los maniquíes de bebés a término están diseñados para replicar la apariencia y las características de los recién nacidos a término, constituyéndolos en una herramienta esencial para la capacitación en cuidados neonatales. Estos maniquíes exhiben detalles anatómicamente precisos, incluyendo una textura de piel realista, proporciones y peso equilibrado, que ofrecen una plataforma verosímil para practicar los procedimientos fundamentales en recién nacidos. Desde la reanimación y el manejo de la vía aérea hasta las evaluaciones de rutina, los Term Baby Manikins apoyan a los profesionales de la salud en el desarrollo de las habilidades y la confianza necesarias para brindar atención de alta calidad tanto a recién nacidos sanos como a aquellos que requieren asistencia médica inmediata. Su versatilidad garantiza una capacitación eficaz para una amplia gama de escenarios neonatales en entornos clínicos y de emergencia.

Tono de piel claro Masculino	1024673
Tono de piel claro Feminino	1024675
Tono de piel oscuro Masculino	1024674
Tono de piel oscuro Feminino	1024676







Bebé Prematuro

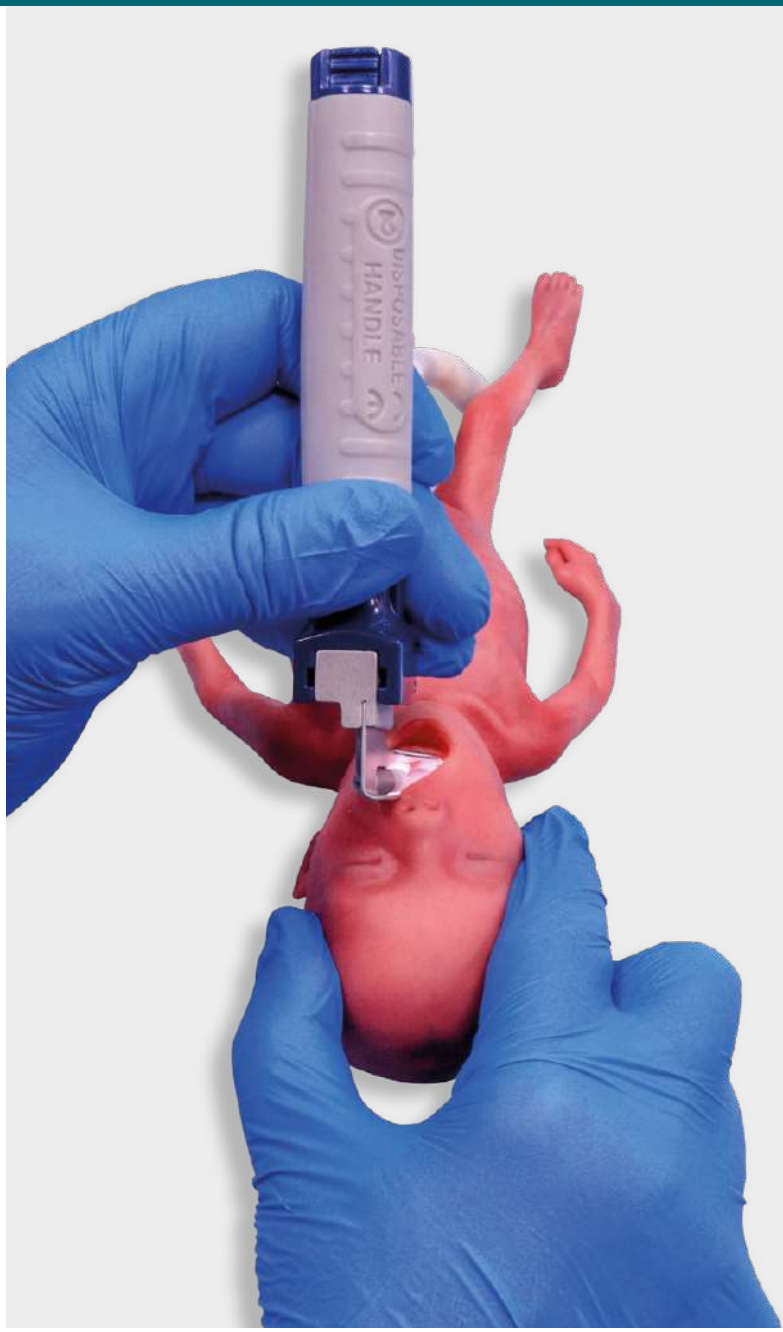
Los maniquíes de bebés prematuros constituyen una herramienta de entrenamiento esencial para la atención de bebés que requieren más cuidados. Diseñados con una anatomía y proporciones realistas, estos maniquíes reproducen fielmente las características delicadas de los bebés nacidos antes de término. Permiten a los profesionales de la salud practicar procedimientos neonatales críticos, tales como el manejo de la vía aérea, la resucitación y las técnicas de manipulación. Estos maniquís prematuros increíblemente realistas ayudan a los especialistas a desarrollar la precisión y la confianza necesarias para atender a los pacientes vulnerables.

Tono de piel claro Masculino	1024669
Tono de piel claro Feminino	1024671
Tono de piel oscuro Masculino	1024670
Tono de piel oscuro Feminino	1024672









Bebé Microprematuro

El maniquí de bebé microprematuro representa a los neonatos más pequeños y frágiles, simulando los desafíos de atender a los bebés nacidos al límite de la viabilidad. Con intrincados detalles anatómicos y características extremadamente delicadas, este maniquí respalda escenarios avanzados de entrenamiento neonatal, que incluyen intubación, ventilación y cateterización umbilical. El diseño enfatiza la sensibilidad y la precisión necesarias en la atención neonatal crítica, garantizando que los profesionales estén preparados para situaciones de alto riesgo y de alta implicación en la UCIN.

1024668



Maniquí que Simula un Aborto Espontáneo

El maniquí que simula un aborto espontáneo está diseñado para capacitar a los profesionales de la salud en los aspectos clínicos y emocionales de la pérdida del embarazo. De notable realismo, el maniquí permite practicar procedimientos esenciales, tales como el manejo del parto y la atención tras la pérdida, al mismo tiempo que se enfoca en proporcionar cuidados compasivos. Al incorporar el maniquí de aborto espontáneo en la formación, los proveedores de atención médica pueden asegurarse de contar con las competencias necesarias para ofrecer un apoyo empático y de alta calidad a las familias durante momentos tan profundamente difíciles.

1024667



NUEVO

PAT4 – MANIQUÍ DE AUSCULTACIÓN PEDIÁTRICA

Experimente el futuro de la formación interactiva en auscultación con el nuevo PAT4 Maniquí de Auscultación Pediátrica. Compatible con teléfonos inteligentes Android e iOS, PAT4 convierte sus clases de auscultación en una experiencia de aprendizaje interactiva. Utilice su propio teléfono inteligente para conectarse fácilmente al maniquí mediante Bluetooth y acceder a una amplia biblioteca de sonidos. Si es estudiante o docente, PAT4 le ofrece todas las herramientas necesarias para una formación en auscultación atractiva y práctica.

Características principales del maniquí PAT4:

- Incluye la extensa biblioteca exclusiva de Cardionics de sonidos cardíacos, pulmonares e intestinales
- Utilice cualquier estetoscopio clínico para auscultar en sitios anatómicamente correctos
- Portátil y liviano
- Listo para usarse directamente desde la caja sin necesidad de ensamblaje complicado

Tono de piel claro 1025486 | Tono de piel oscuro 1025487

*Smartphone o tablet no están incluidos

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AUSCULTACIÓN

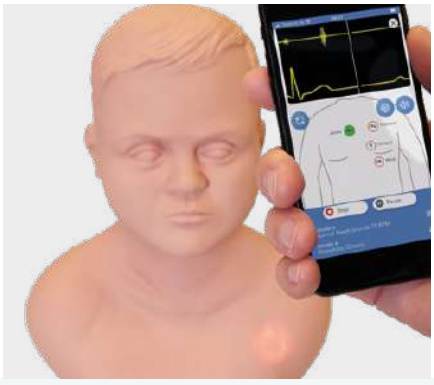
3B Scientific® ofrece una amplia gama de maniquíes de auscultación pediátricos y de adultos y simuladores para la capacitación en habilidades clínicas en la educación médica. Proporcionan capacitación para localizar adecuadamente los sitios de auscultación y para el diagnóstico de sonidos cardíacos, soplos, sonidos pulmonares y respiratorios, y sonidos intestinales en numerosas patologías comunes y poco frecuentes.



LED lights
Opcional en todos los puntos de auscultación para apoyar a los estudiantes



Base giratoria de 360°
Facilita la demostración y el examen para múltiples usuarios



Bluetooth control
Utilice su smartphone o tablet para controlar el maniquí



NUEVO

SAM4
Maniquí de Auscultación



Experimente el futuro de la formación interactiva en auscultación con el nuevo SAM4 Maniquí Adulto de Auscultación. Compatible con teléfonos inteligentes Android e iOS*, este dispositivo innovador lleva sus sesiones de formación al siguiente nivel.

- Cualquier estetoscopio puede utilizarse para escuchar e identificar sonidos localizados en cualquiera de las 15 ubicaciones correspondientes a los sitios de auscultación, tanto anteriores como posteriores
- SAM4 inicia con una Biblioteca de 75 sonidos en la versión básica, y en la versión SAM4 Plus se incluyen contenidos adicionales como Sonidos Reales, Sonidos Dinámicos y videos de ecocardiograma
- Luces indicadoras en los puntos de auscultación, base giratoria y la posibilidad de conectar un dispositivo de sonido Bluetooth constituyen características integradas en cualquier SAM4

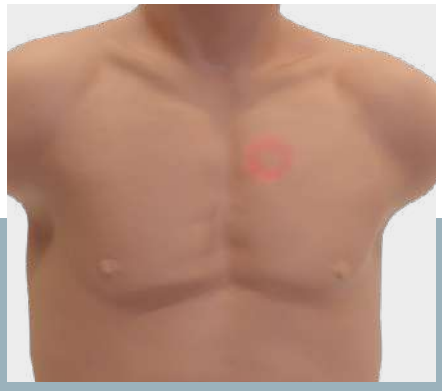
Características principales del maniquí SAM4:

- Incluye la extensa biblioteca propia de Cardionics de sonidos de corazón, pulmón, intestino y soplos
- Altamente personalizable para adaptarse a escenarios y programas específicos
- Portátil y liviano
- Listo para usarse directamente de la caja sin necesidad de ensamblaje

SAM4 Tono de piel claro	1024553
SAM4 Tono de piel oscuro	1025087
SAM4 Plus Tono de piel claro	1025098
SAM4 Plus Tono de piel oscuro	1025099

Descargue la aplicación SAM4 Online desde Google Play Store o desde App Store

*Smartphone o tablet no están incluidos



Luces LED
Opcionales en todos los puntos de auscultación para asistir a los estudiantes



Base giratoria de 360°
*Optimiza la demostración y el examen para **múltiples usuarios***



Bluetooth control
Utilice su smartphone o tablet para controlar el maniquí*



SAM Basic®

Maniquí de auscultación adulto con SimScope® Estetoscopio
El entrenador SAM Basic® utiliza la tecnología del estetoscopio Sim-Scope® para simular sonidos cardíacos, pulmonares y abdominales en adultos, mediante una amplia biblioteca de sonidos. Con el estetoscopio Sim-Scope™ proporcionado, los usuarios pueden acceder a una gran variedad de condiciones patológicas para personalizar los escenarios.

- Es ligero & portátil
- Utiliza la extensa biblioteca de sonidos cardíacos, pulmonares, intestinales y de soplos de Cardionics
- Los estudiantes pueden escuchar en sitios de auscultación anatómicamente correctos
- Una biblioteca personalizada está disponible para adaptarse a escenarios y programas específicos
- El SimScope® Wi-Fi permite la selección remota de escenarios de sonido

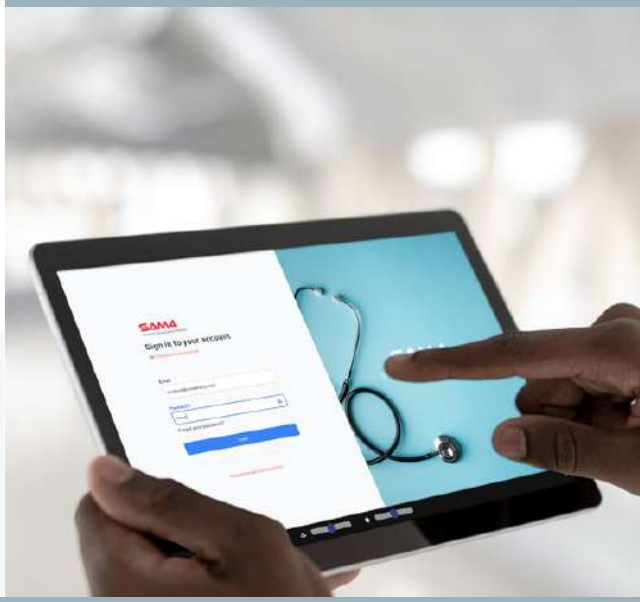
Tono de piel claro	1020097
Tono de piel oscuro	1022474

▶ !ELEVE SUS CLASES DE AUSCULTACIÓN AL SIGUIENTE NIVEL!

SAM4 Online
Software de Auscultación

SAM4 Online es un software de e-learning basado en aplicaciones y en la web que le permite llevar sus clases de auscultación a un nivel superior de forma eficiente. Al incorporar SAM4 Online en su aula física o digital, puede participar en una formación inmersiva en auscultación en cualquier lugar y en cualquier momento. El software y la aplicación de e-learning de auscultación SAM4 Online permiten a los profesores incorporar contenido de lecciones preparadas en las conferencias, así como utilizar materiales propios.

Licencia válida por 1 año	8001149
Licencia válida por 3 años	8001151
Licencia válida por 5 años	8001154



▶ SIMULADORES VESTIBLES IMPULSAN LA CAPACITACIÓN ESTANDARIZADA DE PACIENTES A UN NUEVO NIVEL.



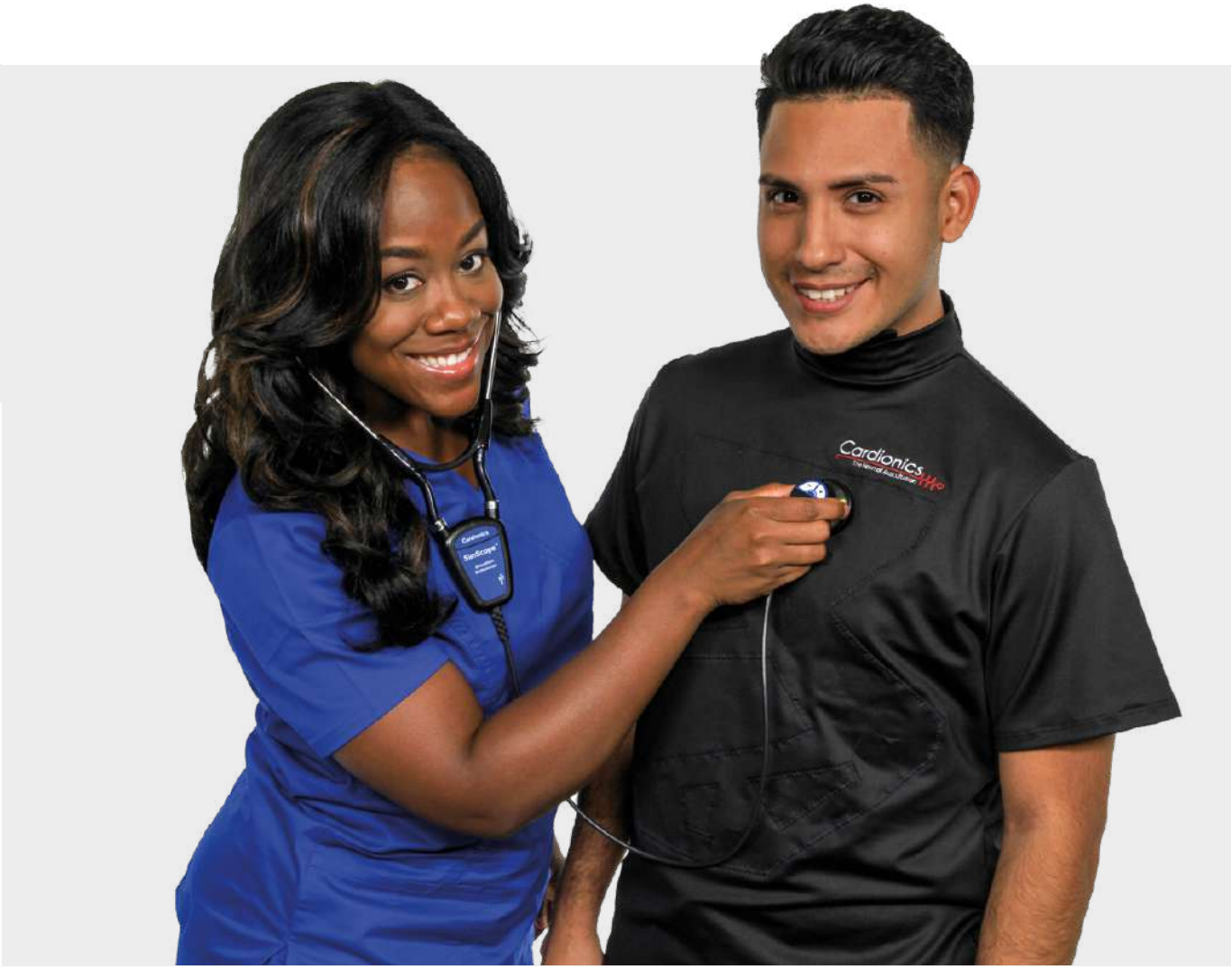
Bionic Hybrid (BHS)

Solución integral para escenarios con pacientes estandarizados y prácticas con maniquíes. Bionic Hybrid Simulator™ y SimBP™ Simulator for Blood Pressure by Cardionics se utilizan para simular condiciones fisiológicas y evaluar las competencias diagnósticas y procedimentales. Se controlan de manera inalámbrica mediante un software intuitivo, ofreciendo al instructor acceso a la extensa biblioteca de sonidos de Cardionics. Las señales pregrabadas se activan de forma remota a través del software SimScope™ y se reproducen en los auriculares.

Características adicionales:

- Incluye SimBP™, conexiones EKG de 5 cables, pulsos carotídeos y radiales, además de auscultación mediante el estetoscopio SimScope™
- 59 sonidos de auscultación disponibles en la biblioteca SimScope™:
- 24 sonidos cardíacos, 23 sonidos pulmonares, 8 sonidos intestinales y 4 de soplo
- Los instructores pueden ajustar los escenarios a diversas condiciones
- Capaz de reproducir múltiples situaciones médicas simuladas para complementar casi cualquier plan de estudios
- Potencia el rendimiento en exámenes al responder en tiempo real a diagnósticos y tratamientos
- Reutilizable y lavable (30°C), disponible en diferentes tamaños
- Entregado con un maletín rígido fácil de transportar

Talla M-L 1024480 | Talla XL-XXL 1024482



SimShirt® System Simulador de Auscultación

La Cardionics SimShirt® ofrece una versión básica que incorpora todas las características del BHS, a excepción del ECG, del pulso carotídeo y de la posibilidad de utilizar un manguito para la medición de la presión arterial. Incluye SimScope™ Wi-Fi y una lap-top-tablet. Reutilizable, lavable (30°C) y disponible en diferentes tallas.

Talla M 1021552 | Talla L 1022827 | Talla XL 1022828 | Talla XXL 1022829





Nikki, el maniquí de enfermería con auscultación

Nikki el Maniquí de Enfermería con Auscultación ofrece 11 sitios de auscultación anteriores y 4 sitios de auscultación posteriores, con 42 sonidos de alta calidad impulsados por Cardionics – el Líder en Simulación de Auscultación. El maniquí ha sido desarrollado específicamente para la simulación basada en escenarios, con el objetivo de mejorar la competencia en la atención al paciente y en habilidades avanzadas de enfermería. Nikki el Maniquí de Enfermería simula a un paciente adulto de tamaño real y viene acompañado del estetoscopio de entrenamiento NursingScope impulsado por Cardionics. NursingScope es un estetoscopio electrónico de simulación y entrenamiento, creado para fines de formación en auscultación o para evaluaciones clínicas estructuradas objetivas (OSCE). Cumple con los requisitos de OBRA de los Programas de Capacitación y Evaluación de Competencia para Asistentes de Enfermería (NATCEP).



- Ideal para entrenar el grupo completo de habilidades en atención al paciente y cuidados médicos
- NEW con auscultación:
- 21 sonidos cardíacos, que incluyen Aortic Stenosis, Patent Ductus Arteriosus (PDA) y Mitral Valve Prolapse
- 16 sonidos pulmonares, que incluyen estridor, pectoriloquía y edema pulmonar
- 6 sonidos intestinales, que incluyen borborigmo, intestino hipoactivo y sonido intestinal normal

Tono de piel claro 1022952 | Tono de piel oscura 1023318

▶ NURSINGSCOPE WI-FI TECHNOLOGY PERMITE AL ENTRENADOR SELECCIONAR DE FORMA REMOTA ESCENARIOS SONOROS PARA EL ENTRENAMIENTO DE AUSCULTACIÓN Y MODIFICARLOS DURANTE UN ESCENARIO.

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Dominando las habilidades de atención al paciente mediante simulación realista

Entrene las habilidades de atención al paciente con simuladores realistas para preparar a su equipo. Utilice escenarios basados en simulación que permiten a sus alumnos adquirir experiencia y confianza en las habilidades básicas y avanzadas que deberán dominar en su día a día profesional.

3B Scientific y sus marcas ofrecen un conjunto completo de maniquíes si simuladores que le ayudarán a elevar su capacitación al siguiente nivel de realismo.

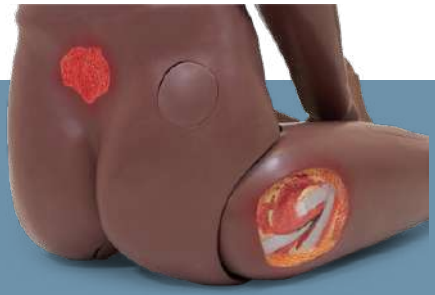
Maniquí de Cuidado de Paciente PRO P10N

Este maniquí de entrenamiento para el cuidado del paciente es indispensable, ya que simula a un paciente adulto de tamaño real con genitales intercambiables. Se puede posicionar como un paciente real, con movimientos naturales de brazos, piernas y articulaciones. Sin látex y está fabricado con plásticos duraderos, irrompibles y resistentes al agua para garantizar una larga vida útil en el uso diario de entrenamiento. Cumple con los requisitos de OBRA de los Programas de Entrenamiento y Evaluación de Competencia para Auxiliares de Enfermería (NATCEP).

Entrene y evalúe las habilidades clínicas en enfermería y la atención al paciente con este confiable maniquí:

- Cuidado del paciente y atención personal, que incluye el cuidado en cama, la higiene, el vendaje, el manejo de heridas, habilidades de traslado y muchos más
- Cuidado médico, enfocado en la prevención de úlceras por presión, la ventilación, el manejo de traqueostomía, la administración de inyecciones y muchos más
- Habilidades clínicas, tales como el cateterismo, la administración de enemas, el lavado gástrico o la irrigación vesical

Tono de Piel Claro 1025295 | Tono de piel oscura 1023316





▶ DESARROLLAR Y EVALUAR COMPETENCIAS AVANZADAS DE ATENCIÓN AL PACIENTE Y DE AUXILIARES DE ENFERMERÍA MEDIANTE SIMULACIÓN BASADA EN ESCENARIOS! CAPACITACIÓN EN SIMULACIÓN!



Entrenador para el tratamiento del pie diabético P14

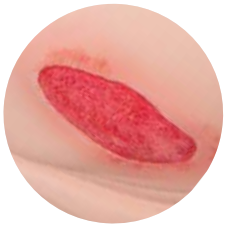
Las secuelas de la diabetes mellitus pueden ocasionar defectos y puntos de presión en la zona del pie. En este entrenador de habilidades, una alteración gangrenosa en el dedo gordo del pie derecho se ha extendido desde la región posterior hasta el metatarsiano.

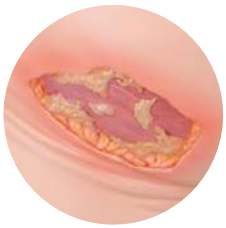
- Se observa un mal perforante (úlcera trófica) en la planta del pie (plantar)
- Se evidencia una úlcera por presión de estadio III en el área del talón
- Se ha perdido la totalidad de la capa cutánea y el tejido subcutáneo presenta daños hasta la necrosis

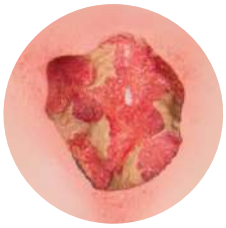
1018815











▶ SIMULADOR REALISTA DE DECÚBITO Y SIN LÁTEX

Decubitus Trainer P15

Simulador realista y sin látex para la capacitación en el manejo de heridas, clasificación, estadificación y evaluación de úlceras por presión.

Incluye los siguientes estadios de decúbito, simulados de manera realista:
- Decúbito Estadio I (trocánter mayor): 6 x 3 cm
- Decúbito Estadio II (región glútea): 7 x 6 cm
- Decúbito Estadio III (región glútea): 6.5 x 7.5 cm
- Decúbito Estadio IV (trocánter mayor): 10 x 4.5 cm

Tono de piel claro 1019698 | Tono de piel oscura 1023319



Simulador de Cuidado Intestinal y Enemas P16

Simulador de cuidado intestinal de alta calidad y tamaño real de 3B Scientific para la formación realista en enemas y el manejo e intervenciones del cuidado intestinal. Mejore la capacitación en el cuidado del paciente para reducir el riesgo de complicaciones relacionadas con el manejo de la disfunción del intestino inferior y garantizar la seguridad del paciente.

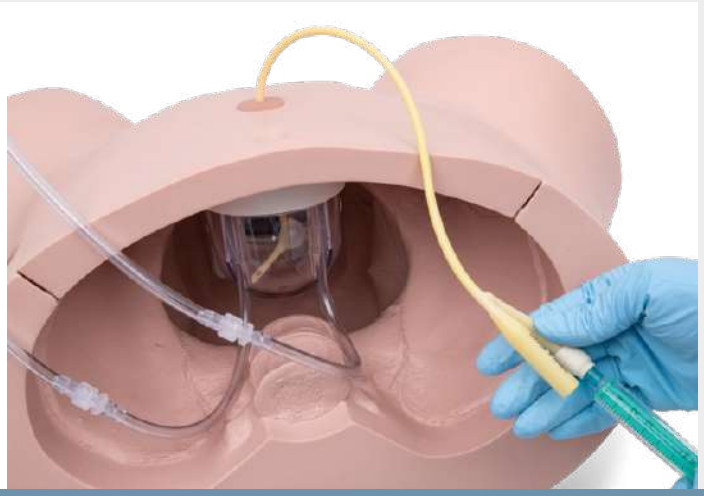
Procedimientos y características:

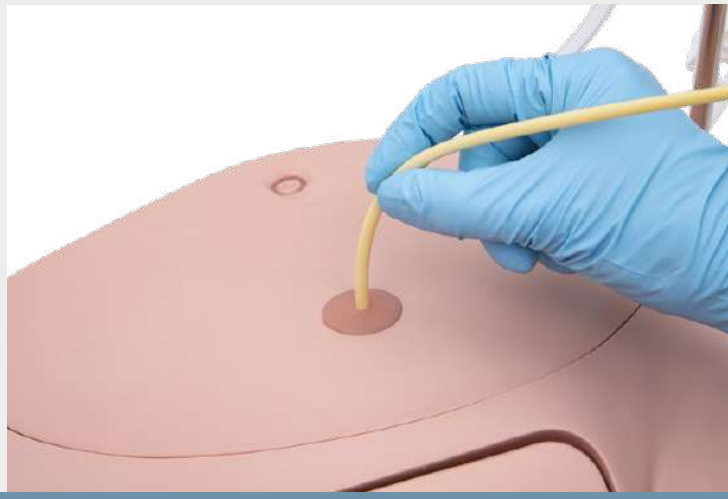
- Administración de enema: limpieza, retención de aceite, flujo de retorno, enemas medicados
- Administración de supositorios y medicación
- Examen rectal digital (DRE) y estimulación (DRS)
- Extracción digital de heces
- Apoya la inserción de catéteres CH16 a CH40 y tubos rectales de globo
- Los distintos insertos rectales digitales están fabricados con silicona resistente sin látex SKINlike™, que imita la sensación natural de la piel y del tejido humano para la práctica de DRE y DRS
- Contiene dos modelos didácticos anatómicos 3D (tres dimensiones) de hemorroides para facilitar la explicación de complicación
  o contraindicación
- Simula el glúteo de un paciente con muñones femorales, ano e intestino en posición de decúbito lateral izquierdo pre-posicionado

Tono de piel claro	1022519
Tono de piel oscuro	1023320









▶ LA VERSIÓN PRO PUEDE UTILIZARSE PARA PRACTICAR CATÉTER SUPRAPÚBICO CAMBIO Y CUIDADO.

Simulador de cateterización P93 PRO, AHORA CON SPC

Experimente un entrenamiento realista y práctico con el The 3B Scientific® P93 PRO Male and Female Catheterization Trainer – diseñado para demostrar, practicar y evaluar la cateterización de la vejiga femenina mediante técnicas uretrales y suprapúbicas.

Aprendizaje Directo:
- Esta versión se suministra con una parte inferior del cuerpo de realismo anatómico, que incluye una pared abdominal removible y un sitio pre-puncionado
- La vejiga transparente permite una verificación sencilla de la colocación del catéter y
- La pared abdominal puede retirarse para mejorar la visualización del procedimiento durante la uretral cateterización.

Características: Referencia de formato: Características:
- Estructura pélvica anatómicamente realista
- Cateterización masculina y femenina con resistencia realista
- 3 niveles de estrechamiento ajustable de la uretra en la versión masculina
- Conectores magnéticos para un montaje y desmontaje rápidos

Tono de piel claro ♀	1023008
Tono de piel oscuro ♀	1023324
Tono de piel claro ♂	1023009
Tono de piel oscuro ♂	1023325
Kit de tono de piel claro ♀♂	1023010
Kit de tono de piel oscuro ♀♂	1023326

▶ ENTRENADOR ASEQUIBLE DE HABILIDADES PARA LA CATETERIZACIÓN URINARIA REALISTA MASCULINA Y FEMENINA!

Simulador de Cateterización Set BASIC

Con el entrenador básico de cateterización se pueden demostrar, practicar y evaluar tanto la cateterización masculina como la femenina. Los genitales intercambiables son anatómicamente correctos y están fabricados con material realista. El prepucio y los labios son suaves y flexibles, lo que permite practicar todos los pasos necesarios (por ejemplo, la desinfección del área).

- Inserciones genitales magnéticas fácil de cambiar
- Fácil de limpiar y mantener
- Vejiga transparente que permite observar el éxito del procedimiento
- La versión masculina permite 3 niveles ajustables de estrechamiento de la uretra

Conjunto de tonos de piel claros	1020842
Conjunto de tonos de piel oscuros	1023323



Simulador de Cateterización BASIC, femenino
- Cateterización femenina con resistencia realista
- Labios suaves y móviles
- Salida de líquido al completar exitosamente la cateterización

Tono de piel claro	1020231
Tono de piel oscuro	1023321

Simulador de Cateterización BASIC, masculino
- Cateterización masculina con resistencia realista
- 3 niveles de estrechamiento ajustable de la uretra
- Prepucio suave y móvil
- Salida de líquido al completarse exitosamente la cateterización

Tono de piel claro	1020231
Tono de piel oscuro	1023322





Simulador de Inyección Intramuscular (I.M.)

Estos simuladores I.M. de alta calidad son perfectos para dominar las técnicas de inyección apropiadas. Abróchalo en la parte superior del brazo, en los glúteos, en la parte superior de la pierna o colócalo sobre un escritorio para localizar todos los sitios de inyección intramuscular necesarios.

- Con retroalimentación audiovisual (inyección correcta/incorrecta, contacto óseo, ubicación equivocada)
- Incluye todos los puntos de referencia anatómicos palpables relevantes
- La piel de silicona realista es altamente duradera y puede ser reemplazada rápidamente
- Uso para entrenamiento y evaluación del desempeño
- Robusto y fácil de limpiar



Simulador de Inyección Intramuscular - Brazo Superior
Representa un brazo superior derecho con todos los puntos anatómicos palpables más relevantes, tales como el acromion y el húmero.

1009840



Simulador de Inyección Intramuscular - Pierna Superior P56
Esta reproducción del muslo derecho exhibe de forma realista todos los puntos de referencia anatómicos palpables esenciales, tales como la rótula y el trocánter mayor.

Tono de piel claro	1000511
Tono de piel oscuro	1023766



Simulador de Inyección Intramuscular - Nalga P57
Modelo de un glúteo derecho que presenta todos los puntos de referencia anatómicos esenciales para las inyecciones intramusculares, como la cresta ilíaca, la espina ilíaca antero-superior y el trocánter mayor

Tono de piel claro	1000514
Tono de piel oscuro	1023767

3B Scientific® Simulador de inyección intramuscular, Básico P54

La versión básica para practicar inyecciones intramusculares con fluido hasta una profundidad de 50 mm desde el inicio. Permite a los estudiantes realizar inyecciones intramusculares de forma repetida, ofreciendo una solución formativa rentable.

- Practique la inyección intramuscular con fluido hasta una profundidad de 50 mm
- Almohadillas de piel de cambio rápido, aptas para múltiples perforaciones
- Fácil de limpiar y secar

Tono de piel claro	1010008
Tono de piel oscuro	1023300



▶ VOLUNTARIO PERFECTO PARA PRACTICAR LA INYECCIÓN I.V.

Brazo de Inyección I.V. P50/1

Este brazo de inyección fabricado con silicona 3B Scientific® SKIN*like*™ posibilita un entrenamiento realista y práctico que refuerza la competencia del personal médico. Este material se distingue por su calidad superior, resistencia a las manchas y facilidad de limpieza.

- Ideal para practicar inyecciones intravenosas en el brazo
- Punción correcta de las venas periféricas para toma de muestras de sangre (vena basílica, vena cefálica, vena cubital mediana, red venosa dorsal de la mano)
- Posicionamiento de un catéter mariposa
- Incluye un soporte, concentrado artificial de sangre de 250 ml, 2 sistemas de reemplazo de tubos, botella de infusión, jeringa y almacenamiento de lujo

Tono de piel claro	1021418
Tono de piel oscuro	1023311







Más inteligente con RCP Feedback App

▶ EL MANIQUÍ DE ENTRENAMIENTO DE RCP ECONÓMICO Y CONFIABLE, CON RETROALIMENTACIÓN DIRECTA

BASIC*Billy*+ Simulador de Soporte Vital Básico P72+

El nuevo BASIC*Billy*+ maniquí de Basic Life Support (BLS) y RCP incorpora ahora un Kit de Actualización Directa de Retroalimentación en RCP, permitiendo que estudiantes e instructores entrenen eficazmente en RCP mediante Apps gratuitas, precisas y fáciles de usar, impulsadas por heartisense®

Las aplicaciones de RCP proporcionan retroalimentación para:

- Compresión (profundidad, retroceso y ritmo)
- Respiración (volumen)
- Tiempo de intervención en tiempo real
- Retroalimentación y evaluación que cumplen con las últimas directrices de the American Heart Association (AHA) y the European Resuscitation Council (ERC).

Tono de piel claro	1024546
Tono de piel oscuro	1024547

Kit de actualización BASIC*Billy*+ para Entrenamiento de RCP con retroalimentación directa

Equipe sus versiones anteriores del maniquí BASICBilly con sensores para el entrenamiento en RCP mediante el Kit de actualización con feedback. Conecte el kit de sensores a su maniquí, descargue las aplicaciones móviles gratuitas desde su tienda de aplicaciones y reciba retroalimentación detallada de RCP en tiempo real mediante la aplicación en su dispositivo móvil.

1022626





▶ 3B SCIENTIFIC® MANIQUÍ DE ENTRENAMIENTO EN RCP DE CALIDAD – CPRLILLY PRO+ MONITOREA HASTA 10 ALUMNOS SIMULTÁNEOS Y CUMPLE CON LOS REQUISITOS DE LA AHA PARA LA RETROALIMENTACIÓN DIRECTA

CPR*Lilly* PRO+

Medir, monitorizar y analizar el desempeño en RCP de hasta 10 alumnos simultáneamente. CPR*Lilly* PRO+ ayuda a los instructores a aumentar la efectividad y eficiencia en sus cursos de RCP. Simplemente conecte los maniquíes a la CPR*Lilly* App en una tableta para seguir el desempeño individual en RCP de cada alumno y proporcionar retroalimentación objetiva. La vista del estudiante de la App permite a los alumnos ver y monitorizar su propio desempeño en tiempo real.

Las luces LED ubicadas directamente en el cuello del maniquí proporcionan retroalimentación directa sobre la RCP e indican los parámetros correctos de compresión (profundidad, liberación y ritmo).

Características del Maniquí de Entrenamiento en RCP:
- Retroalimentación de RCP de calidad con historial de debriefing
- Ventilación con protector facial, mascarilla de bolsillo y BVM
- Elevación del tórax con ventilación adecuada
- Control de la correcta desobstrucción de la vía aérea
- App gratuita disponible en google play y iOS

Retroalimentación de la Calidad de la RCP:
- Profundidad, ritmo y fracción de compresión
- Liberación completa del tórax
- Empuje mandibular y control de la inclinación cefálica
- Colocación adecuada de las manos

Tono de piel claro 1022071



Indicador de inclinación de cabeza y maniobra de empuje mandibular



Pulso carotídeo palpable



Las luces indican la ejecución correcta de la RCP





Herramientas Innovadoras para la Capacitación en Medicación Segura y Eficaz:

- Diseño Realista: Reproduce a la perfección la apariencia y el tacto de medicamentos reales
- Seguro para Entrenamiento: Se asemeja a medicamentos reales o caducados que contienen principio activo
- Práctica Manual: Facilita el manejo, la preparación y el desarrollo de habilidades en administración
- Prevención de Errores: Promueve el pensamiento crítico para prevenir equivocaciones en la medicación
- Uso Versátil: Favorece su empleo en diversos escenarios de entrenamiento médico
- Rentable: Minimiza la dependencia de medicamentos reales

3B Scientific
WORLDWIDE GROUP OF COMPANIES

Wallcur®
A 3B SCIENTIFIC COMPANY



Wallcur Simulated Meds para Uso Seguro Capacitación Realista

El extenso catálogo de medicamentos simulados de Wallcur transforma la capacitación en administración de medicamentos, aportando un realismo inigualable al proceso de aprendizaje. Diseñadas para replicar el aspecto, la sensación y la funcionalidad de los medicamentos y suministros reales, estas herramientas educativas cierran la brecha entre la teoría y la práctica. Cada réplica se elabora con precisión para asegurar que los aprendices adquieran experiencia práctica en un entorno seguro y controlado, familiarizándose con los procedimientos esenciales. Al proporcionar una experiencia de aprendizaje auténtica e inmersiva, Wallcur contribuye al desarrollo de las habilidades prácticas y la confianza necesarias para sobresalir en entornos clínicos reales.

Practi-Ampules para capacitación

La gama Practi-Ampule ofrece diseños específicos para medicamentos, así como opciones personalizables, lo que permite a los usuarios crear etiquetas a medida para distintos escenarios de entrenamiento. Disponible en vidrio transparente y en vidrio con tinte ámbar, este último simula con precisión los medicamentos sensibles a la luz, garantizando una experiencia de entrenamiento realista y profesional.

Beneficios de la capacitación para los usuarios incluyen:

- Desplazamiento del fluido de arriba hacia abajo
- Técnica estéril durante la aspiración
- Apertura/ruptura de ampolla

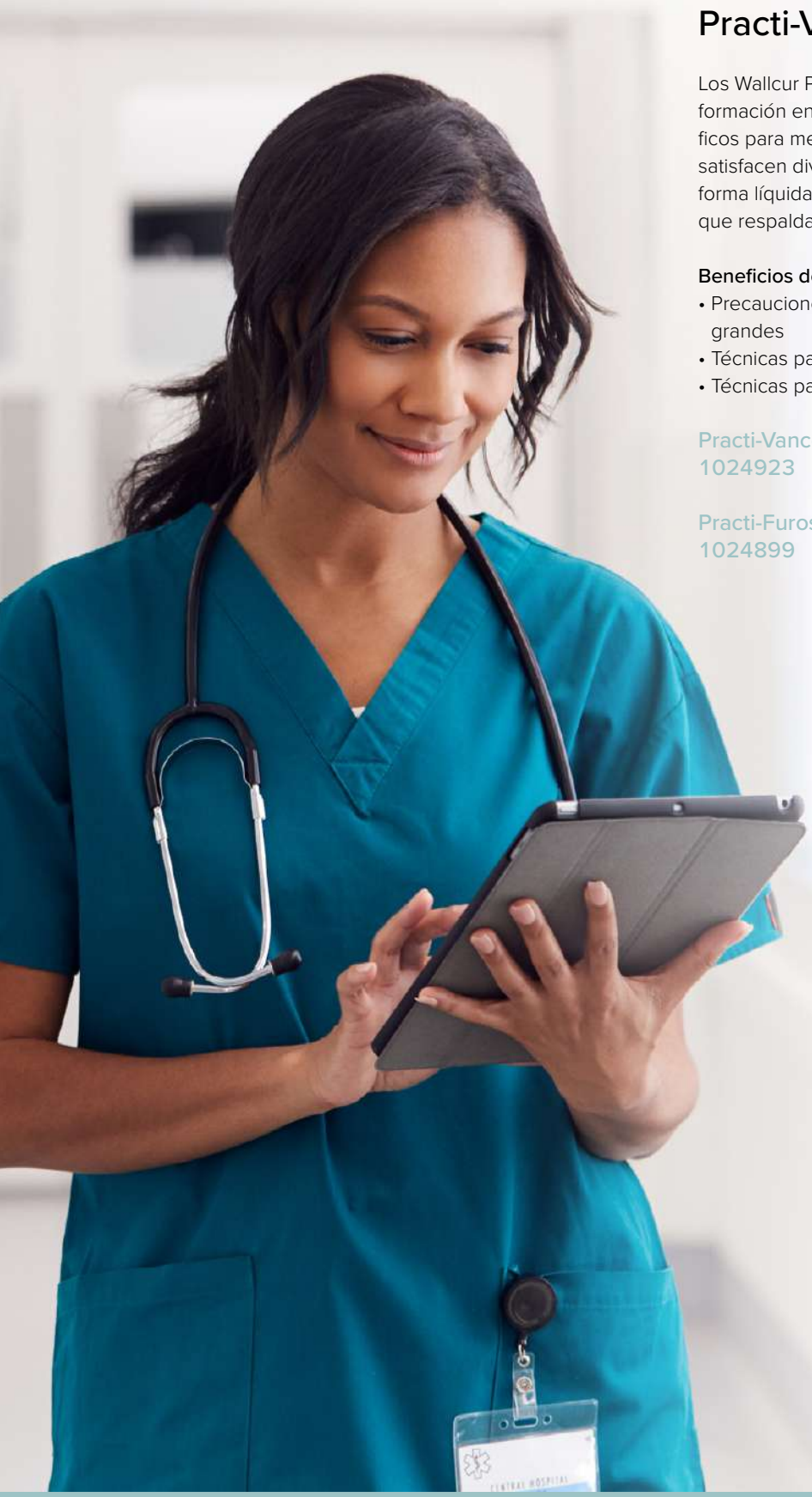
Practi-Adrenaline 1:1,000 1mg/1mL Ampolla
1025469

Practi-Ampule 1mL Tint
1024815



NO DESTINADO AL USO HUMANO O ANIMAL. DESTINADO EXCLUSIVAMENTE A PROPÓSITOS DE CAPACITACIÓN.

▶ DESARROLLE CONFIANZA EN EL MANEJO DE AMPOLLAS Y TÉCNICAS



Practi-Vials para Capacitación

Los Wallcur Practi-Vials ofrecen soluciones versátiles para la formación en el uso de viales. Disponibles en diseños específicos para medicamentos y en opciones personalizables que satisfacen diversas necesidades educativas. Se presentan en forma líquida y en polvo, con cristales transparentes y tintados que respaldan una amplia variedad de escenarios.

Beneficios de la capacitación para los usuarios incluyen:

- Precauciones asépticas específicas para viales pequeños y grandes
- Técnicas para la apertura y el manejo de viales
- Técnicas para la reconstitución de viales

Practi-Vancomycin 500mg/10mL Vial de Polvo
1024923

Practi-Furosemide 100mg/10mL Tint Vial
1024899







Practi-IV and Blood Therapy Productos de Capacitación

Las bolsas de solución de Wallcur han sido elaboradas con pericia para reproducir fielmente las bolsas de solución reales, logrando una precisión notable. Diseñadas siguiendo el modelo de la bolsa IV de uso más habitual, ofrecen una apariencia y tacto auténticos, completos con un etiquetado realista que refleja el diseño de las verdaderas bolsas IV. Estas bolsas son duraderas y resistentes a fugas, lo que garantiza un uso confiable durante la capacitación. De igual manera, las Las bolsas de sangre se destacan en el mercado por su realismo, presentando materiales de alta calidad, etiquetado detallado y acompañadas de 8 pegatinas únicas de tipos sanguíneos para una experiencia de capacitación superior.

Beneficios de la capacitación para los usuarios incluyen:

- Manipulación segura y preparación de bolsas IV
- Aprendiendo los procedimientos adecuados para colgar, cebar y regular la tasa de flujo de bolsas IV
- Dominando las habilidades necesarias para montar, inspeccionar y gestionar transfusiones de sangre





Practi-0.9% Cloruro de Sodio 250mL Bolsa de Solución I.V.
1024778

Practi-Bolsa de sangre
1024786

NO DESTINADO AL USO HUMANO O ANIMAL. DESTINADO EXCLUSIVAMENTE A PROPÓSITOS DE CAPACITACIÓN.



▶ CAPACÍTATE DE FORMA MÁS INTELIGENTE CON PRACTI-DROPPERS, INHALADORES Y SPRAYS

Practi-Droppers, Inhaladores y Sprays para la Formación

Esta gama replica medicamentos respiratorios reales con precisión excepcional, permitiendo a los estudiantes practicar técnicas adecuadas de manejo y dosificación en un entorno simulado y seguro. Los inhaladores y sprays son CFCfree y cuentan con un propulsor aerosol no medicamentoso, ofreciendo una experiencia realista con la sensación de liberación de gas durante su uso.

Los beneficios de la capacitación para los usuarios incluyen:

- El posicionamiento adecuado de cuentagotas, aerosoles e inhaladores para la instalación
- La preparación de la dosis adecuada para su uso
- Practicar la instrucción verbal y demostrar la coordinación mano/respiración

Practi-Inhaler
1025007

Practi-Gotero Auricular
1025014



▶ CAPACITACIÓN MÁS SEGURA Y RESULTADOS SUPERIORES CON WALLCUR PRACTI-ORAL MEDICATIONS

Practi-Oral Medicamentos para Capacitación

La gama de medicamentos orales ha sido diseñada para simular diversas formas farmacéuticas, tales como tabletas, tabletas ranuradas, tabletas sublinguales, cápsulas, caplets, soluciones líquidas, suspensiones y polvos. Estos dispositivos de formación realistas son ideales para la preparación, el manejo y la administración de medicamentos orales. Perfectos para la capacitación en el ámbito sanitario, contribuyen a garantizar que los aprendices adquieran una comprensión sólida y práctica de los medicamentos orales y de su gestión.

Beneficios de la capacitación para los usuarios incluyen:
- División de tabletas para tabletas ranuradas
- Cálculo general de dosis
- Reconstitución de medicamentos en suspensión
- Manejo estéril adecuado de medicamentos de dosis unitaria

Practi-Alprazolam 0.5mg Oral-Dosis Unitaria
1024981

Practi-Acetaminofén 240mg Oral-Bulk
1024994

Practi-Amoxicillin Suspensión 125mg/5mL, Dosis Unitaria Oral
1024984



NO PARA USO HUMANO NI ANIMAL.
EXCLUSIVAMENTE PARA FINES DE CAPACITACIÓN.





Simulador de Monitor de Frecuencia Cardíaca Fetal CTGi

La facilidad de uso y la intuición de CTGi facilitan la formación in situ basada en cardiotocogramas (CTG's). Contribuyen a la capacitación de matronas y obstetras en la evaluación del bienestar fetal y la detección de hipoxia. Imitando los patrones de la frecuencia cardíaca fetal, los profesionales de la salud adquieren experiencia esencial en la interpretación de trazas y en la práctica de intervenciones que salvan vidas.

Características del Simulador de Frecuencia Cardíaca Fetal CTGI de iSimulate:

- Función y detalle realistas: CTGi permite crear trazas realistas con un nivel de detalle excepcional. Administre los signos vitales maternos, añada de forma sencilla desaceleraciones, aceleraciones y contracciones. Pause, retroceda y avance rápidamente con un deslizamiento
- Versátil: CTGi es apto para diversas modalidades de enseñanza, presentando una interfaz sumamente realista con un iPad® de control interactivo para facilitar la creación de trazas
- Potencie su entrenamiento: Convierta una situación de baja fidelidad en una simulación de alta fidelidad. Denomine, guarde y reproduzca escenarios y trazas para la enseñanza!

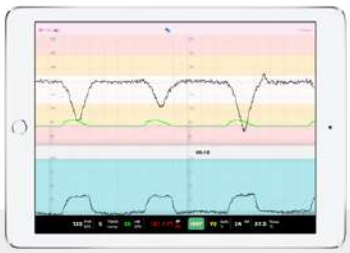
1022818



Frecuencia cardíaca fetal



Tocógrafo



Monitor



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iSimulate
A 3B SCIENTIFIC COMPANY

Obstetricia

La simulación médica en el entrenamiento de emergencias obstétricas es una herramienta eficaz para mejorar el conocimiento, las habilidades técnicas, el trabajo en equipo y la comunicación estructurada, y se emplea en programas de entrenamiento orientados a emergencias obstétricas. La simulación obstétrica se utiliza para practicar las técnicas de parto y las intervenciones de emergencia, con el objetivo de reducir la tasa de mortalidad durante el parto. El entrenamiento obstétrico basado en escenarios abarca partos normales, complicaciones comunes durante el parto, así como emergencias obstétricas.



CTGi

▶ UN SIMULADOR DE MONITORIZACIÓN DE LA FRECUENCIA CARDÍACA FETAL ALTAMENTE AVANZADO Y REALISTA



Entrene escenarios realistas e interactivos de alta tensión para el parto asistido mediante ventosa y fórceps:



Inserto genital de fácil limpieza



Parto asistido con fórceps



Parto asistido con ventosa

SIM*one*™
Simulador de Parto para Capacitación Avanzada

El simulador ofrece la retroalimentación háptica indispensable para llevar a cabo el parto instrumental de manera correcta: datos de presentación, adecuada colocación del fórceps y extracción, cuidando la cabeza del infante y el tejido blando materno. El software de monitoreo suministra información en respuesta a la manipulación de la cabeza fetal en el contexto de la retroalimentación de fuerza. Se simulan velocidades y resistencias realistas durante el parto.

- 14 escenarios interactivos de parto
- PC todo en uno con pantalla táctil ajustable
- Fácil de mover
- Inserto vulvar de alta flexibilidad y robustez
- Ajuste eléctrico de altura
- Unidad de almacenamiento práctica

1019599

▶ SIMULE ESCENARIOS DE PARTO DE ALTA COMPLEJIDAD CON EL PREMIADO SIMONE™

Ejemplos de intervenciones y hallazgos:


Cuerpo Temperatura


Presión arterial


Laboratorio Valores


Líquido Amniótico Cantidad


Prueba de cribado de orina


Fetometría


Placenta Examen


Pregunte al Paciente Preguntas


Enviar Paciente Casa

Ejemplos de opciones medicinales:


Misoprostol



Prostaglandina


General Anestésico


Paracetamol


Metildopa


Ceftriaxona


Solución de Ringer


NaCl

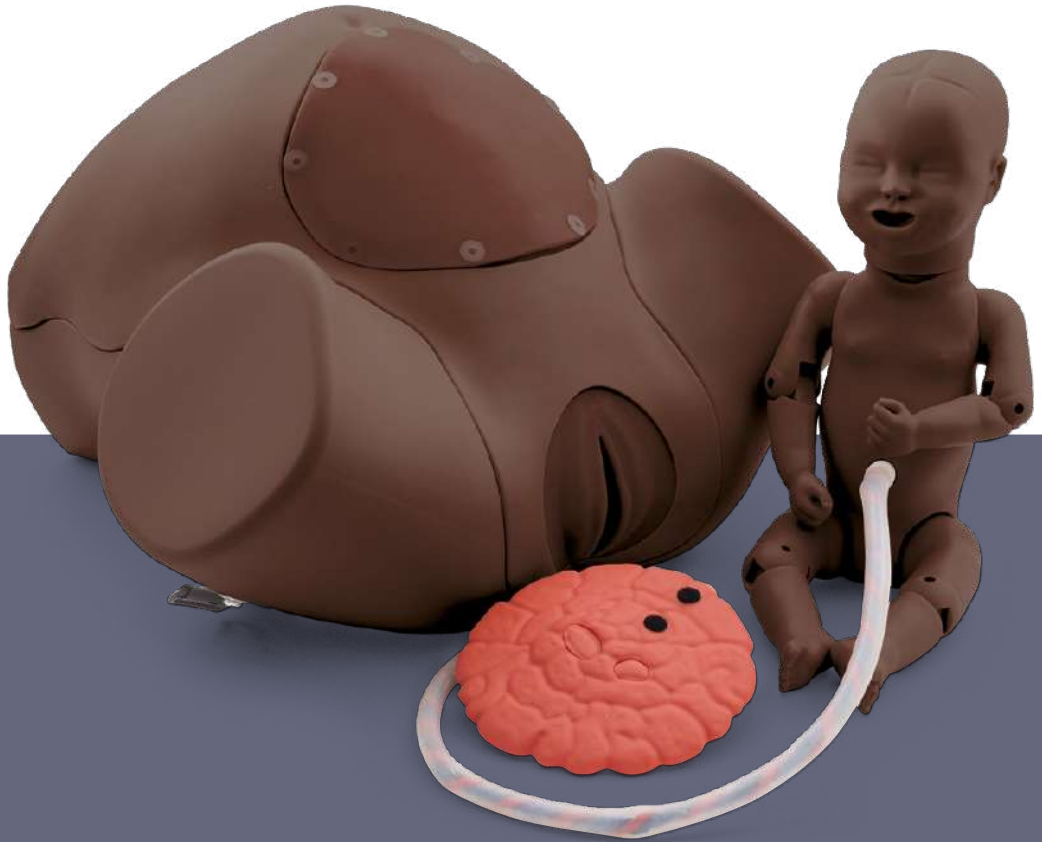


Simulador de Parto P90 PRO

El simulador de parto ofrece características de entrenamiento extremadamente realistas. Fue desarrollado específicamente para el entrenamiento de habilidades en partos normales, partos complicados y emergencias obstétricas.

Evaluación y manejo de posiciones fetales:
Utilizando el simulador, los estudiantes aprenderán a identificar posiciones y presentaciones anómalas, así como a aplicar técnicas manuales para asistir en el proceso del parto. Se podrán practicar maniobras manuales de parto (como las de Leopold o Pinard's) para garantizar la implementación de medidas correctas durante partos complicados. Además, el estudiante aprenderá cuándo aplicar intervenciones de emergencia obstétrica (como una cesárea).

Tono de piel claro 1022879 | Tono de piel oscuro 1023328



▶ 3B SCIENTIFIC® BIRTHING SIMULATOR P90 BASIC PUEDE SER ACTUALIZADO A LA VERSIÓN PRO CON EL UPGRADE KIT



P90 PRO

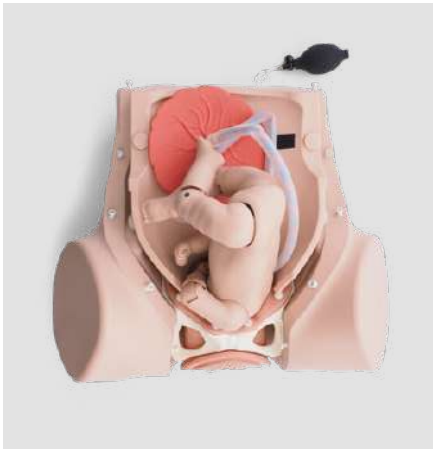
P90 BASIC

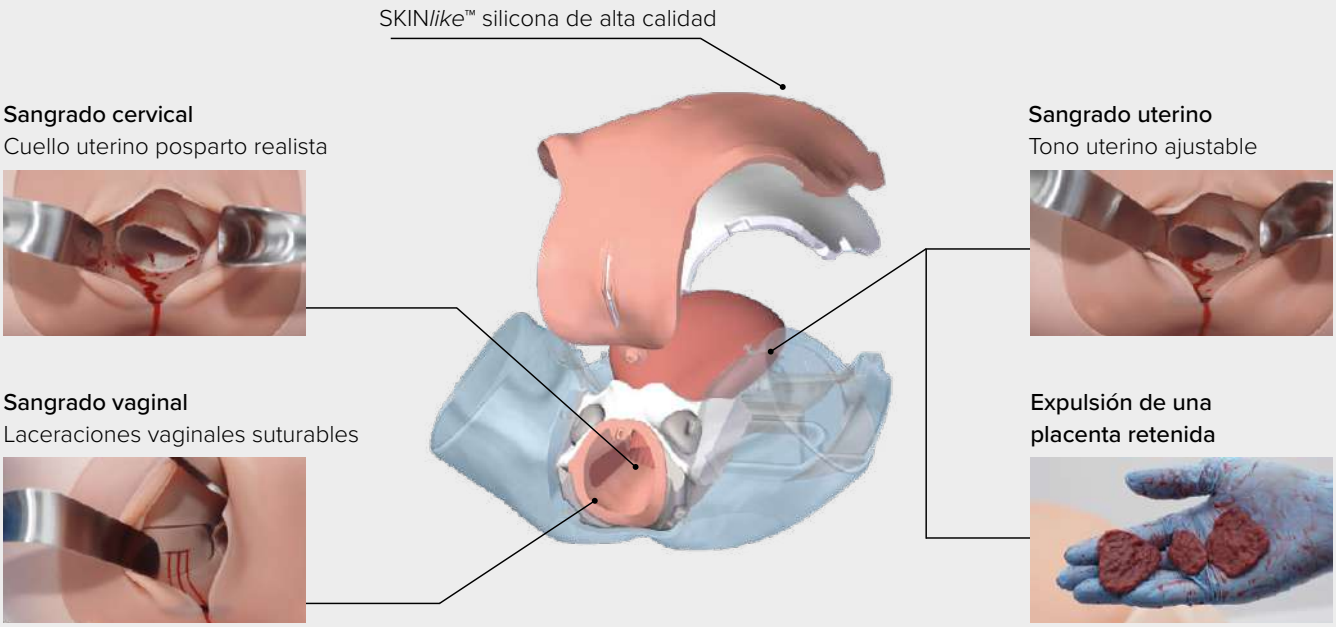
Simulador de Parto P90 BASIC

El 3B Scientific® Birthing Simulator P90 BASIC ha sido diseñado para la capacitación en habilidades en partos normales, complicados y emergencias obstétricas. La simulación obstétrica ha demostrado ser eficaz para optimizar la formación en técnicas de parto, el seguimiento de protocolos y la respuesta en situaciones de emergencia. La versión BASIC del Simulador de Parto ofrece todas las funcionalidades de la versión PRO, pero incluye un inserto pre-cortado para cesárea y un canal de parto BASIC. No incorpora un inserto de amniotomía ni un útero inflable para Leopold.

Tono de piel claro 1022878 | Tono de piel sscura 1023327









Simulador de Hemorragia Postparto P97 PRO

Si busca un simulador de PPH que sea compacto, fácil de usar y duradero, el simulador PPH P97 PRO de 3B Scientific es la solución ideal para ofrecer sesiones prácticas y realistas de entrenamiento orientadas al reconocimiento temprano, la evaluación sistemática y el tratamiento de la hemorragia posparto

El simulador de PPH se centra en las siguientes tres causas de hemorragia posparto:

- Atonía uterina (Tonus)
- Laceración y ruptura (Trauma)
- Tejido retenido de la placenta (Tissue)

Tono de piel claro 1023727 | Tono de piel oscura 1023975

Simulador de Episiotomía y Sutura P95



Textura realista y capas separadas de piel y músculo que ofrecen un entrenamiento sumamente real en técnicas de sutura para episiotomías, así como para el tratamiento de desgarros vaginales y labiales. El aprendiz adquirirá experiencia en el manejo de instrumentos, en técnicas de sutura y en la realización de nudos.

Con este entrenador, la atención de las siguientes lesiones del parto puede ser practicada y demostrada:

- Episiotomía media
- Episiotomía mediolateral
- Episiotomía lateral
- Desgarros vaginales
- Desgarros labiales

Tono de piel claro 1019639 | Tono de piel oscuro 1023329

Simulador de etapas de parto P94

Determina el progreso del trabajo de parto utilizando 6 insertos pélvicos que representan distintos niveles de dilatación cervical y borramiento. Los insertos pueden emplearse tanto como entrenadores independientes como en calidad de módulo de extensión para el Birthing Simulator P90 (véase página 82).

Los beneficios de utilizar Birthing Stages Trainer P94:

- El simulador consta de un conjunto de 6 insertos pélvicos diferentes, con detalles anatómicos muy realistas detalles.
- Los insertos presentan una apariencia externa idéntica, y las estaciones de parto únicamente se pueden identificar mediante un examen o leyendo el número inscrito en la parte trasera de los simuladores.

Tono de piel claro 1020628 | Tono de piel oscuro 1023330





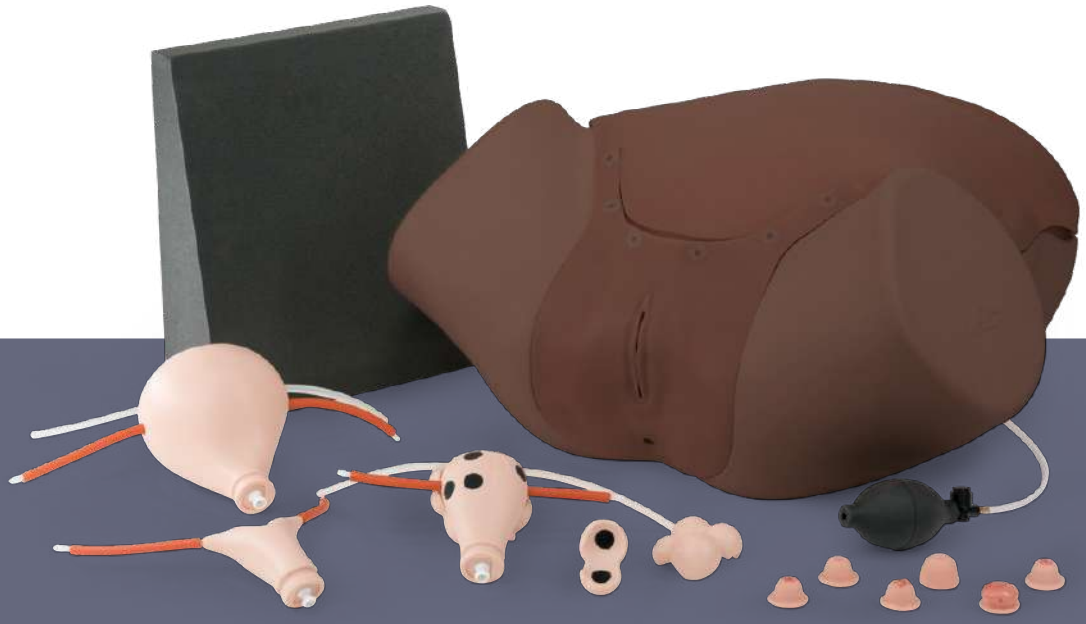
Cérvix cerrado (0.5 cm), nivel -2



Cérvix abierto a 3 cm, medio borrado, nivel -2



Cuello uterino abierto a 10 cm, borrada, nivel 0



▶ COMPLEMENTO PRÁCTICO PERFECTO A CUALQUIER CURRÍCULA DE HABILIDADES

Entrenador de Habilidades Ginecológicas P91

El Entrenador de Habilidades Ginecológicas P91 es un torso inferior de tamaño completo para adultos fabricado con silicona de alta calidad 3B Scientific® SKIN*like*™, que brinda una apariencia, tacto y textura realistas, junto con una suavidad similar a la de tejidos vivos durante la palpación. Es una herramienta de formación versátil e innovadora, diseñada para proporcionar experiencia práctica a los estudiantes de habilidades ginecológicas.

- La cobertura abdominal suave permite la palpación bimanual tanto de útero normal como anormal
- Brinda una flexibilidad realista a la pared vaginal
- Piel flexible sin costuras, diseñada para la práctica de la colocación del espéculo
- Uretra diseñada para la simulación de cateterización con catéter CH 14
- Utilice cérvices intercambiables de forma sencilla para su visualización con espéculo
- Las trompas de Falopio normales son extraíbles y pueden ser reemplazadas por trompas de Falopio anormales para simular un embarazo ectópico

Tono de piel claro 1021592 | Tono de piel oscuro 1023305



Práctica didáctica de cateterización



Práctica de Tenáculo



Uso de instrumentos ginecológicos reales

Modelo para paciente ginecológico Educación P53

Ideal para fines de demostración y para practicar la inserción de dispositivos anticonceptivos de barrera femenina, incluyendo el femidom, capuchón cervical, anillo vaginal, diafragma y DIU. Es posible insertar diversos tipos de pesarios, tales como anillo, cuenco o cubo, empleados en casos de prolapso o incontinencia. La parte transparente permite una visualización clara del interior.

1013705





Modelo para la autoexaminación de mamas para colgar

Realice el autoexamen de manera realista con este modelo anatómico natural del torso superior femenino con senos de copa C. Se utiliza con facilidad para entrenar y perfeccionar el autoexamen de mamas.

- Elaborado en silicona de alta calidad Scientific® SKIN*like*™ para proporcionar una sensación realista
- El examen de senos se puede realizar tanto en posición erguida como en posición supina
- Los tumores benignos y malignos en diversas etapas de desarrollo facilitan la comprensión de lo que se debe palpar

Tono de piel claro con estuche de transporte de aluminio	1000342
Tono de piel claro sin estuche de transporte de aluminio	1000343
Tono de piel oscuro con estuche de transporte de aluminio	1023307
Tono de piel oscuro Sin estuche de transporte de aluminio	1023308





Kit de Capacitación para el Uso de Condones L42/L43



Utilice este modelo para enseñar de manera sencilla a utilizar un condón de forma segura. Estructuras anatómicas realistas y firmeza. Suministrado con 12 condones de entrenamiento lubricados y una bolsa de transporte.

Tono de piel claro	1000340
Tono de piel oscuro	1000341

Testículo Autoexamen L60

Al utilizar silicona de alta calidad 3B Scientific® SKIN*like*™, el aprendizaje y la práctica del autoexamen de los testículos se vuelve aún más realista. El escroto contiene dos testículos móviles, el epidídimo y los cordones espermáticos aptos para la palpación. En el testículo izquierdo se pueden identificar dos hallazgos patológicos. Se suministra con instrucciones detalladas para el autoexamen y una bolsa de transporte.

Tono de piel claro	1000346
Tono de piel oscuro	1023302





▶ SIMULADOR DIGITAL ASEQUIBLE DE EXAMEN RECTAL PARA EL ENTRENAMIENTO DE HABILIDADES CLÍNICAS!

Simulador de Examen Prostático con 4 Etapas P58/1

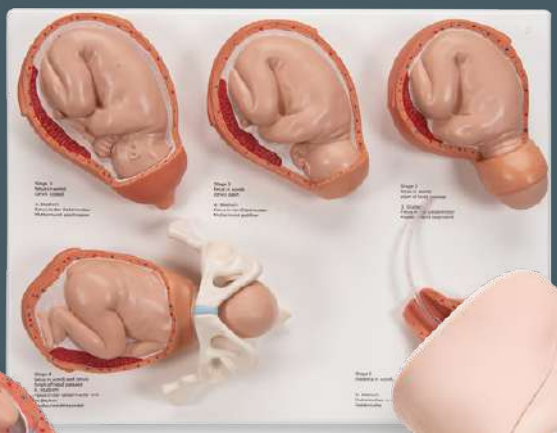
Demuestre y practique exámenes rectales digitales (DRE) utilizando este accesible simulador de habilidades. El simulador incorpora 4 modelos prostáticos diferentes para entrenar técnicas profesionales de palpación (en posición lateral o con inclinación hacia adelante) y perfeccionar las competencias diagnósticas asociadas a los exámenes rectales.
Se puede evaluar la forma, posición y consistencia de la próstata, lo que permite detectar irregularidades, induración y nódulos en su superficie lisa. Para referencia y autoevaluación, el simulador incluye la imagen sonográfica transrectal correspondiente (ultrasonido transrectal, TRUS) para cada etapa. Su diseño compacto facilita el almacenamiento y lo convierte en el simulador de habilidades ideal para cada laboratorio de simulación médica.

Etapas palpables:
- Próstata normal
- Carcinoma prostático avanzado
- Carcinoma prostático en etapa temprana
- Hiperplasia prostática benigna (HPB)

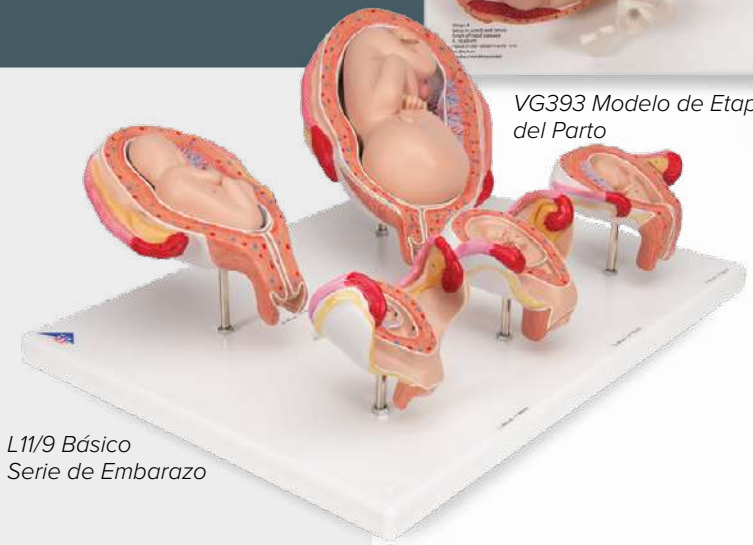
1013116



▶ ¡KITS DE SIMULACIÓN – COMPRE EN CONJUNTO Y AHORRE!



VG393 Modelo de Etapas del Parto



L11/9 Básico Serie de Embarazo



P90B Básico Simulador de Parto

Conjunto de Laboratorio Obstétrico

3B Scientific ahora ofrece Kits de Simulación específicamente diseñados por área de práctica médica, presentando una selección en las siguientes páginas. Muchos más están disponibles en línea. Estos kits combinan nuestros simuladores más vendidos con modelos anatómicos de alta calidad y gráficos complementarios, ideales para aulas y educación del paciente. Estos kits de simulación facilitarán la enseñanza de los temas de manera integral.

Observe el crecimiento y desarrollo desde un embrión hasta un feto en modelos a escala real, meticulosamente detallados y montados sobre una base. Estudie las etapas del parto, desde un cuello uterino cerrado hasta el tránsito del feto a través de la pelvis y la expulsión de la placenta. Adquiera experiencia práctica en partos normales y complicados con el Simulador de Parto de 3B Scientific para perfeccionar el entrenamiento de habilidades. Cada modelo anatómico original 3B Scientific® le brinda acceso directo a su gemelo digital en su smartphone, tablet o dispositivo de escritorio. Descargue la **3B Smart Anatomy app** y adéntrese en el mundo virtual de la Anatomía Humana.

8000877

▶ LA CAPACITACIÓN COMPLETA EN INYECCIÓN INTRAMUSCULAR KIT PARA PRACTICAR INYECCIONES I.M. EN CUALQUIER PARTE DEL CUERPO!

Conjunto Completo de Entrenamiento para Inyección Intramuscular

Entrene cómo localizar el sitio adecuado para las inyecciones I.M. utilizando simuladores realistas y anatómicamente precisos del brazo superior, glúteo y muslo. Perciba y visualice la profundidad correcta de la aguja durante la administración de las inyecciones I.M. para evitar el contacto con el hueso en pacientes reales.

Este kit incluye la suite completa de simuladores de inyección intramuscular 3B Scientific®. Ideal para cualquier curso de formación en inyecciones I.M.

8000883



P56 Inyección intramuscular en el muslo



Simulador de inyección intramuscular P54

P57 Inyección intramuscular en el glúteo



P55/1 Inyección Intramuscular en el Brazo Superior

▶ ¡IDEAL PARA CUALQUIER PROGRAMA DE ANESTESIOLOGÍA!

Conjunto de laboratorio de anestesiología

El Conjunto de laboratorio de anestesiología es la solución ideal para aprender y practicar la correcta administración de epidurales. Entrene la identificación de puntos de referencia espinal y realice inyecciones espinales con un simulador que reproduce la apariencia y el tacto del tejido real. Revise la anatomía relevante a tamaño real y con precisión detallada mediante modelos anatómicos de alta calidad. Acceso gratuito a 3B Smart Anatomy. Para desbloquear los beneficios, simplemente escanee la etiqueta ubicada en su modelo.

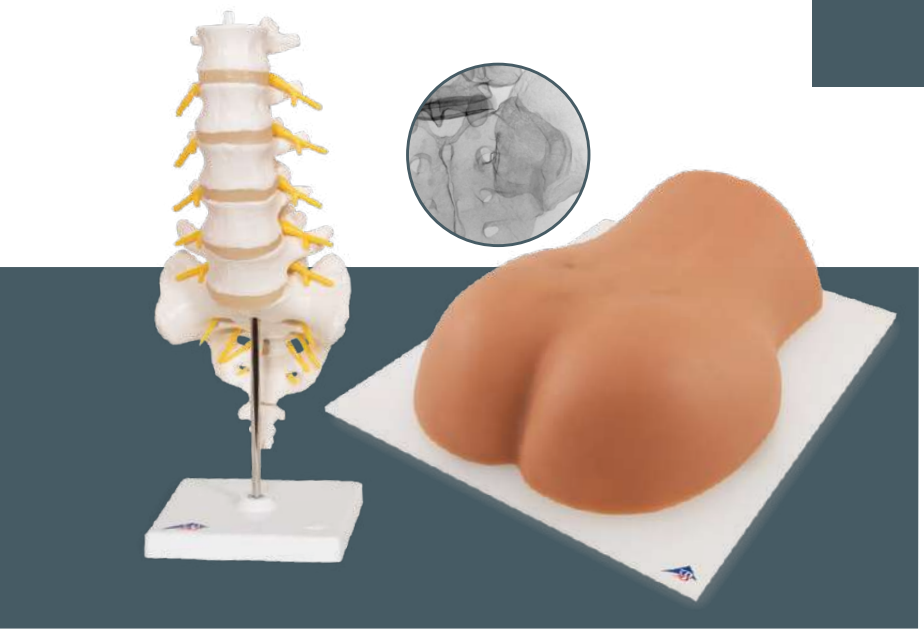
8000874



P61 Simulador de inyección epidural y espinal

A74 Columna Vertebral Lumbar

L20 Pelvis de Embarazo



A74 Modelo de columna vertebral lumbar

P65 Simulador de inyección espinal lumbar guiado por imágenes

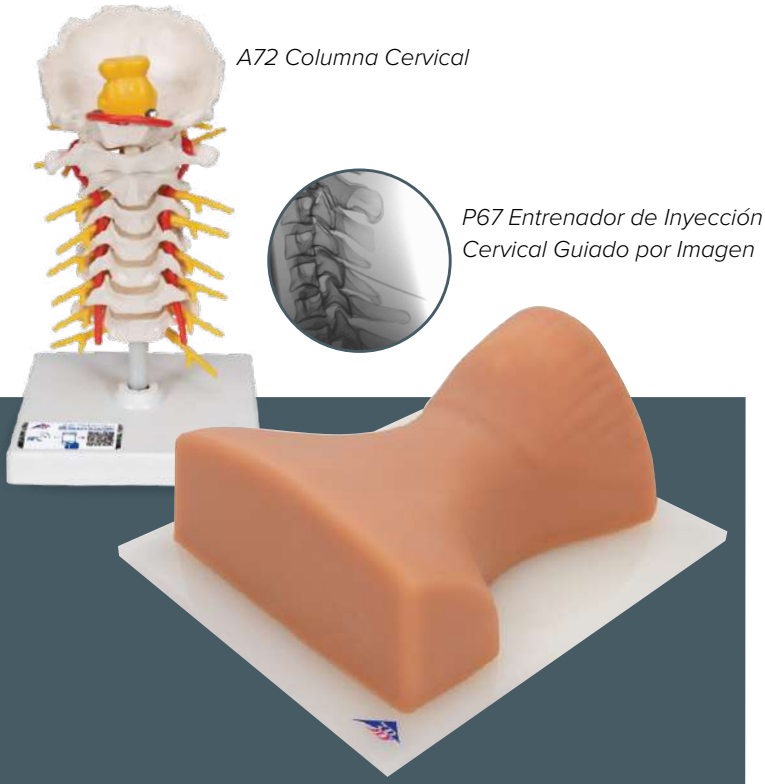
Conjunto de Inyección Espinal Guiado por Imagen

El kit de Inyección Espinal Guiado por Imagen permite a los participantes y estudiantes desarrollar una comprensión tridimensional de los procedimientos para intervenciones espinales exitosas. Durante el curso, aprenderán a correlacionar la imagenología con la anatomía espinal relevante para procedimientos intervencionistas del dolor, a identificar el tejido objetivo y las estructuras vulnerables mediante imagenología e inspección anatómica, y a aplicar las mejores prácticas para garantizar la seguridad del paciente durante los procedimientos intervencionistas de la columna vertebral.

Características:

- Material auto-sellante reutilizable para entrenamiento en inyección
- Radiopacidad que permite obtener imágenes de rayos X realistas
- Totalmente portátil y provisto de una caja de transporte segura
- Construcción duradera y de fácil limpieza
- Acceso gratuito a 3B Smart Anatomy

Columna lumbar	8000890
Columna Cervical	8000891



A72 Columna Cervical

P67 Entrenador de Inyección Cervical Guiado por Imagen



Recree cualquier entorno y potencie el aprendizaje con escenarios dinámicos e interactivos

Nuestras salas de simulación ofrecen un entorno seguro que permiten trasladar los complejos riesgos del entorno laboral a un ambiente sin peligro. Recrear los entornos altamente estresantes y a menudo caóticos de un ajetreado departamento de urgencias, sala de reanimación o quirófano, con vistas, sonidos y olores realistas, forma parte integral de la preparación de sus equipos para brindar la atención más enfocada posible.

Entrene en equipo
Desarrolle escenarios desafiantes y simulaciones que fomentan el trabajo en equipo y la comunicación.

Editar con facilidad
Nuestro sistema integrado le permite descubrir, crear y editar contenido de forma sencilla, proporcionando una experiencia totalmente personalizada para sus estudiantes.

Contenido médico ilimitado
Utiliza el contenido de la amplia biblioteca incorporada, emplea recursos de terceros o crea tus propios escenarios y sube tus imágenes, vídeos u otros medios.

Aprendizaje experiencial
Capacite a su equipo para gestionar situaciones reales con estímulos visuales, auditivos y olfativos realistas.

Completamente Interactivo
Un mundo interactivo e inmersivo en el que los estudiantes pueden participar activamente mediante el tacto, la vista, el olfato y el sonido.

Capacitación y Soporte
Nuestro equipo ofrecerá una capacitación exhaustiva y un soporte continuo en cada paso del proceso.



3B Scientific
WORLDWIDE GROUP OF COMPANIES

immersive
A 3B SCIENTIFIC COMPANY

Transformando la formación médica con entornos de aprendizaje interactivos

Adéntrate en el futuro de la educación médica con el poder de la tecnología inmersiva. Transformando la forma en que aprendemos y ejercemos, las soluciones inmersivas en el sector de simulación médica combinan tecnología avanzada con innovaciones revolucionarias para crear experiencias de formación atractivas y efectivas. Al simular escenarios reales en espacios personalizables y completamente interactivos, estos entornos redefinen cómo interactúan los alumnos con su entorno. Estos avances proporcionan una plataforma de formación segura, reproducible y altamente efectiva, cerrando la brecha entre la teoría y la práctica. Este capítulo profundiza en cómo la simulación inmersiva está revolucionando la educación en salud, permitiendo a los estudiantes sumergirse en un mundo de posibilidades ilimitadas.

▶ ENSEÑAR, APRENDER Y COLABORAR UTILIZANDO TECNOLOGÍA INMERSIVA

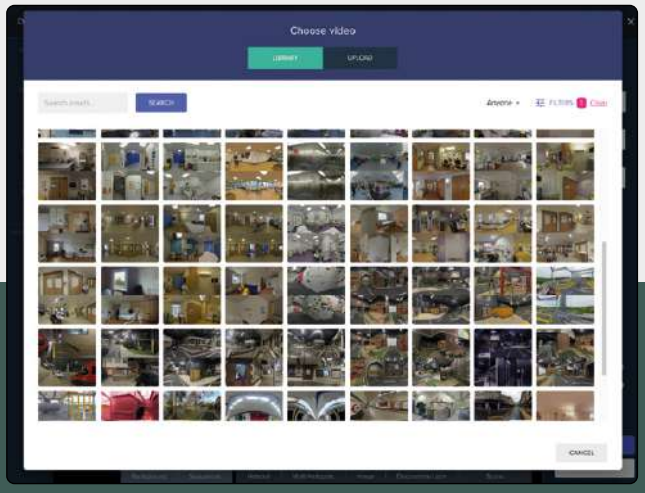
Simulación Intrahospitalaria
Imparta formación avanzada mediante nuestras salas de capacitación médica completamente inmersivas. Recree la experiencia de trabajar en un concurrido departamento de urgencias, sala de reanimación o quirófano, con vistas, sonidos y olores realistas.

Simulación Prehospitalaria
Empodere a su equipo con nuestras salas de simulación interactivas para un entrenamiento médico transformador. Capacite en entornos reales capturados con la máxima fidelidad: bordes de carreteras, ambulancias, espacios públicos, lugares de trabajo y entornos domésticos.

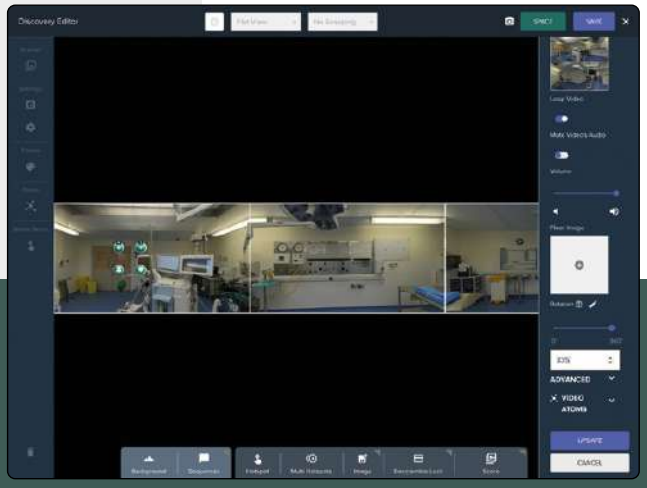


Suite de Edición de Estudio Inmersivo

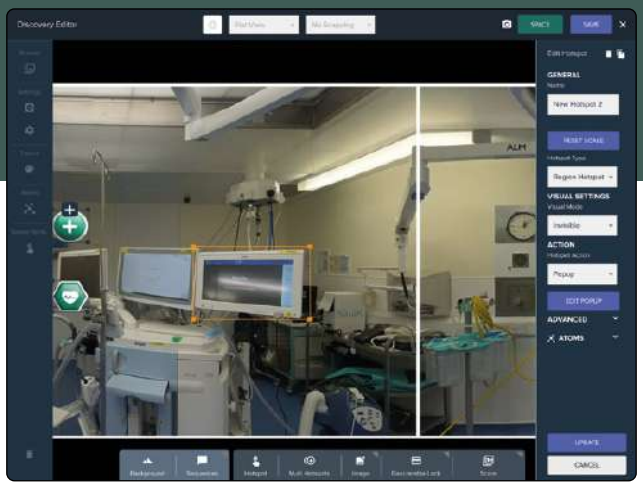
Crear sus propios casos interactivos, simulaciones o escenarios es sencillo con nuestro editor dedicado basado en la nube. En tan solo 4 pasos, puede crear experiencias inmersivas, profesionales e impactantes, adaptadas a las necesidades de sus estudiantes.



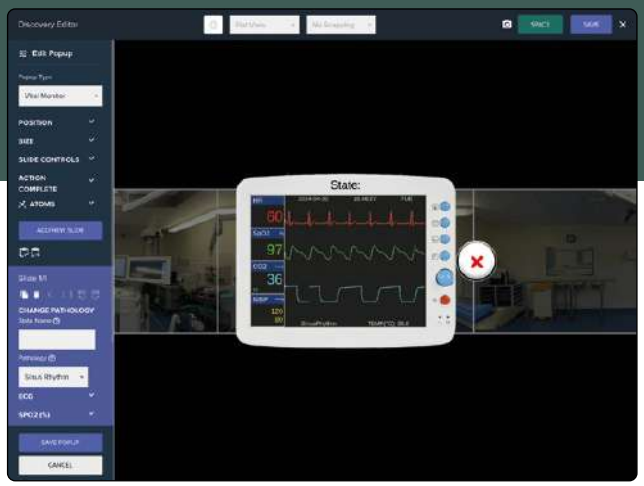
Utilice un entorno existente o cree el suyo
Registre su propio video de 360° o elija entre miles de videos en nuestra biblioteca en la nube.



Cree su escenario
Puede añadir texto, vídeos, listas de verificación, superposiciones web, cuestionarios y otros pop ups, o vincular escenas para configurar escenarios ramificados.



Hazlo interactivo
Añade elementos visibles o invisibles y multi-hotspots, cerraduras para escape room o controles de tableta



Personaliza
Nuestro software flexible le permite aplicar temas o personalizar cada aspecto del estilo mientras previsualiza en la sala virtual. Una vez que esté listo para publicar, su experiencia se sincronizará con su sala inmersiva.



Contenido listo para su uso

Contamos con una selección de contenidos prehospitalarios e intrahospitalarios listos para usar, que pueden emplearse y editarse para cumplir con sus objetivos de formación.



Escape Rooms – fomentan el trabajo en equipo, la observación y la resolución de problemas.



Identificar los peligros / la orientación en espacios



RTC – Recrea entornos peligrosos de forma segura y controlada



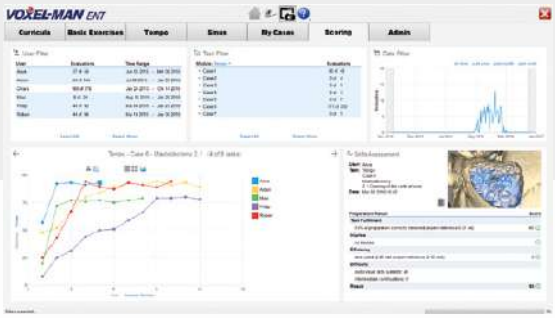
Patient Handover – simula situaciones de alta presión

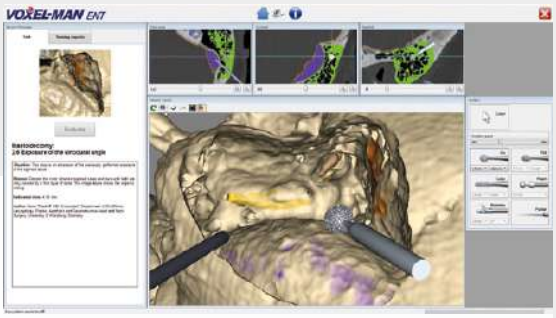


Doméstico – Escenarios pediátricos y adultos en ubicaciones desafiantes



Simulación – Haga que la información, los signos vitales y escaneos estén disponibles para los estudiantes en entornos realistas.





Voxel-Man ENT Simulador de Realidad Virtual

Voxel-Man ENT es un sistema integral de simulación quirúrgica en Realidad Virtual (VR) diseñado para la disección del hueso temporal. Las opciones adicionales comprenden simulaciones para cirugía endoscópica de los senos paranasales, la posibilidad de configurar casos de entrenamiento personalizados y herramientas para la generación de modelos digitales aptos para impresión 3D.

Ventajas de los Voxel-Man VR Training Systems:

- Entorno de formación seguro con evaluación objetiva de habilidades
- Casos de formación predefinidos, que incluyen variaciones y patologías naturales
- Formación en enfoques quirúrgicos y destreza manual
- Autorización de casos de formación y tareas
- Estudios de validación independientes
- Costos reducidos para el laboratorio de formación quirúrgica

Módulos de Hardware

Elija una de cinco opciones

Simulador de Estación de Trabajo	1025179
Referencia de formato: Simulador de Estación de Trabajo	1025179
Simulador de estación de trabajo con carcasa	1025180
Simulador de Estación de Trabajo con Pantalla Autostereoscópica	1025181
Simulador de Estación de Trabajo con Pantalla Autostereoscópica y Carcasa	1025182
Simulador Lite	1025183

Módulos de Software

Referencia de formato: Tempo Software Module	8001065
Módulo de Software Mis Casos	8001066 (Opcional)
Sinus Software Module	8001068 (Opcional)
Módulo de software 3D-Druck	8001079 (Opcional)



1025180







▶ MONITORE Y COMPARE SU PROGRESO A LO LARGO DEL TIEMPO!

Voxel-Man Simulador Dental

Entrenamiento de realidad virtual en odontología. La simulación dental en VR cuenta con dientes e instrumentos visualizados en una pantalla 3D, operatividad de instrumentos tanto con una mano como con dos manos, una base de datos de diversas patologías, evaluación automática de habilidades y seguimiento del progreso.

Módulos de Hardware
Elija una de cinco opciones

Simulador de Estación de Trabajo	1025179
Referencia de formato: Simulador de Estación de Trabajo	1025179
Simulador de estación de trabajo con carcasa	1025180
Simulador de Estación de Trabajo con Pantalla Autostereoscópica	1025181
Simulador de Estación de Trabajo con Pantalla Autostereoscópica y Carcasa	1025182
Simulador Lite	1025183

Módulos de Software

Módulo de Software Dental	8001246
Módulo de Software Mis Casos	8001066 (Opcional)
Módulo de software 3D-Druck	8001079 (Opcional)

Ascleplus TBK Mesa de disección virtual

La serie Asclepius TBK ofrece mesas de disección virtuales versátiles con diversas opciones de tamaño y resolución, incluyendo imágenes detalladas en 4K.
Diseñadas para la educación médica y la investigación, incorporan herramientas avanzadas para una exploración anatómica interactiva y precisa.

- Anatomía humana y animal completamente anotada, con etiquetado detallado, múltiples planos de vista (coronal, sagital, transverse) y visualización en profundidad de todos los sistemas del cuerpo.
- Anatomía regional dividida en 11 secciones (por ejemplo, sistemas reproductivo y respiratorio) con presentaciones pictóricas que facilitan el aprendizaje y la retención.
- Disponibles múltiples opciones de tamaño: modelos de 43”, 65”, 84” y 99” para adaptarse a diversas necesidades.
- La tecnología de pantalla táctil permite una interacción precisa con modelos anatómicos virtuales.
- Facilita la integración de datos externos, incluidos escaneos CT y MRI.
- Los modos de visualización personalizables permiten aislar y resaltar estructuras específicas.
- Más de 12,000 cuestionarios precargados alineados con el plan de estudios médico, además de un sistema basado en la nube para que los profesores creen y personalicen evaluaciones.

▶ VISUALICE ANATOMÍA HUMANA Y ANIMAL DETALLADA CON INTERACCIÓN DINÁMICA

TBK 43 LT Mesa de Disección Virtual

Portátil y apta para el aula, ideal para el aprendizaje práctico de los estudiantes.
El software incluye: Anatomía, Radiología

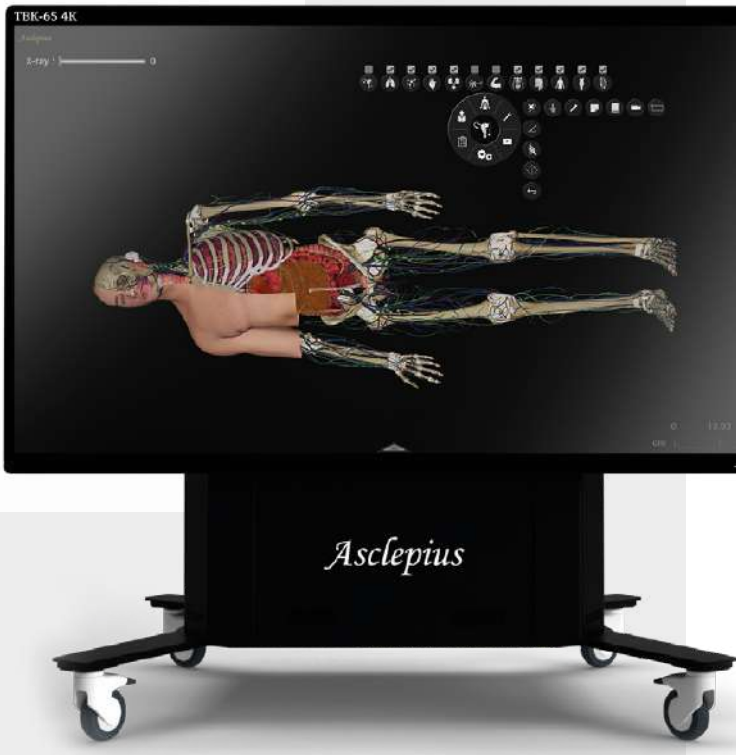
1023468



TBK 65 4K Mesa de Disección Virtual

Se inclina al modo wallboard con resolución 4K, permitiendo demostraciones anatómicas efectivas ante grupos numerosos.
El software incluye: Anatomía, Radiología, Atlas de Histopatología, CTRender, Embriología, Anatomía Animal.

1023470





TBK 99 EA Mesa de disección virtual

La mesa táctil de anatomía de 99 pulgadas la más grande del mundo ofrece imágenes de tamaño real para un aprendizaje realista y una enseñanza a gran escala.
El software incluye: Anatomía, Radiología, Atlas de Histopatología, CTRender, Embriología, Anatomía Animal.

1023474



TBK 84 EA Mesa de Disección Virtual

Una pantalla más grande mejora el realismo y la calidad de la imagen.
El software incluye: Anatomía, Radiología, Atlas de Histopatología, CTRender, Embriología, Anatomía Animal.

1023472

▶ 3B SMART ANATOMY CIERRA LA BRECHA ENTRE LA EDUCACIÓN EN ANATOMÍA DIGITAL Y ANALÓGICA



ANATOMÍA SE VUELVE MÓVIL CON 3B Smart Anatomy

▶ LA INSCRIPCIÓN ES GRATUITA, SENCILLA Y SEGURA

Cada modelo original 3B Scientific® Anatomy Model ofrece acceso directo a su gemelo virtual en su smartphone, tablet o desktop – en cualquier momento y en cualquier lugar.

Iniciar 3B Smart Anatomy para:

- Evaluar sus competencias en cuestionarios de anatomía
- Emplear la función de comentarios para incorporar anotaciones a su modelo digital
- Acceder a sus archivos tanto en línea como fuera de línea

▶ ESCANEAR PARA OBTENER MÁS INFORMACIÓN SOBRE 3B SMART ANATOMY Y NUESTROS MODELOS



El menú principal simple facilita una navegación sencilla:

- Acceso a su biblioteca personal de imágenes y red
- Función de escaneo que le permite escanear su modelo 3B Scientific® y desbloquear su contenido virtual
- Información sobre su Cuenta y configuraciones personales

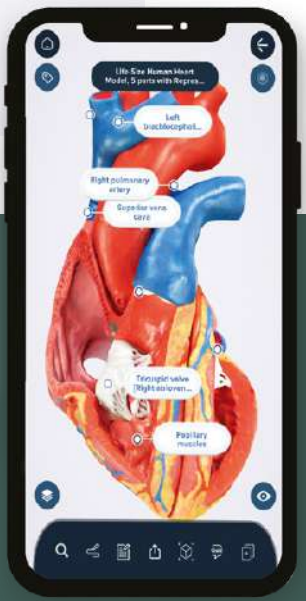


Una vez que haya abierto el contenido virtual 3D, tendrá acceso a una variedad de herramientas útiles:

- Rotación de imagen / zoom in / zoom out
- Visualización de estructuras anatómicas (en varios idiomas)
- La función de Dibujo y Nota permite personalizar su visualización con información complementaria de utilidad
- Función de Realidad Aumentada
- Función de Quiz para evaluar y perfeccionar su conocimiento anatómico



Puede ver y gestionar sus modelos 3B Scientific® y su contenido virtual en cualquier momento en su biblioteca personal.



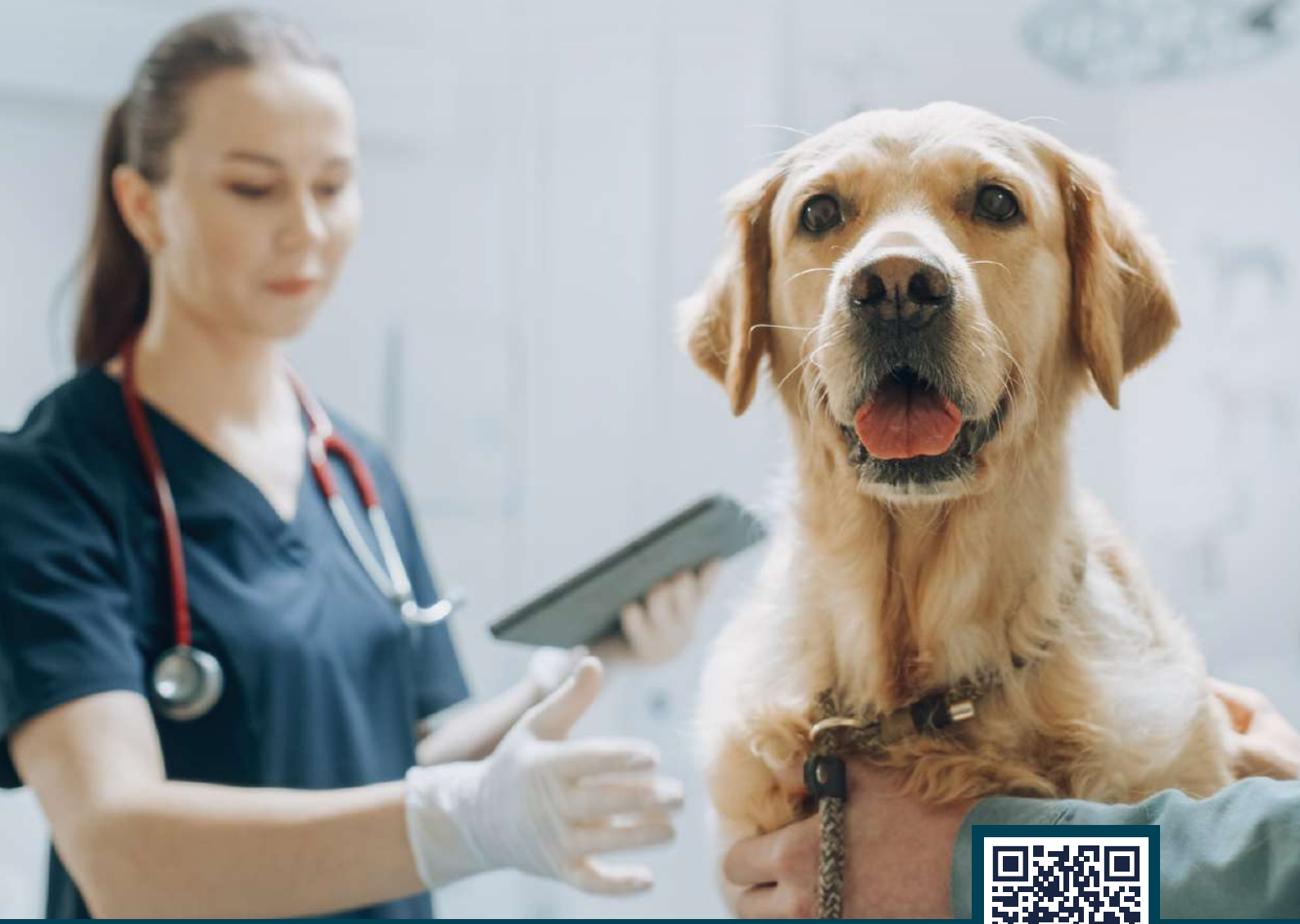
Evalúe su conocimiento anatómico personal mediante la función Quiz:

- Obtenga resultados instantáneos
- Evaluación de la puntuación final

3B Scientific

VSI
A 3B SCIENTIFIC COMPANY

AHORA PRESENTAMOS
VETERINARY SIMULATION



▶ ¿DESEA OBTENER MÁS INFORMACIÓN SOBRE VSI? ESCANEE AQUÍ!

Veterinary Simulators international ahora forma parte del grupo 3B Scientific: Fabricamos simuladores de primer nivel que permiten a los estudiantes de veterinaria perfeccionar sus habilidades diagnósticas y prácticas sin necesidad de poner en riesgo o causar incomodidad innecesaria a animales vivos. Nuestros simuladores se integran en los requisitos curriculares para proporcionar beneficios máximos a estudiantes e instructores.

06/2025 9001454



Anatomage

Anatomage™ TABLE CLINICAL



Centrado en el paciente
Las imágenes médicas en 3D agilizan las comunicaciones médico-paciente al ofrecer una visualización intuitiva de las condiciones clínicas y los planes de tratamiento.

Integrador
La plataforma aprobada por la FDA puede ser integrada en estaciones radiologicas de trabajo y sistemas PACS hospitalarios, lo que permite un acceso rápido y análisis 3D de estudios clinicos.

Diagnóstico
La tecnología interactiva permite el contorno quirúrgico y la disección virtual en los estudios de imagenes de pacientes, lo que permite a los usuarios investigar estructuras clínicas, tejidos blandos y patologías en 3D.

La atención al paciente comienza con la educación

La Table Clinical de Anatomage es un dispositivo médico portatil que proporciona a los médicos soluciones de visualización 3D que optimizan la formación hospitalaria, la práctica quirúrgica y la comunicación con los pacientes. Un dispositivo aprobado por la FDA, Table Clinical se puede integrar en programas de residencia en los que los alumnos simulan escenarios clínicos y practican con estudios de caso. Con su tecnología virtual, Table Clinical también es un plataforma de comunicaciones con pacientes que permite a los médicos y pacientes poder visualizar una patología con imágenes 3D interactivas a todo color.

Un enfoque centrado en el paciente

Desde el diagnóstico clínico hasta la formación médica, Table Clinical ofrece aplicaciones versátiles que fomentan la atención al paciente, la consulta y la planificación del tratamiento.



Pacientes virtuales para resultados reales
- ✓ El entrenamiento quirúrgico en cadáveres virtuales reduce los errores médicos y aumenta los resultados operativos exitosos
- ✓ La visualización de anatomía real ofrece una visualización precisa y detallada de los datos clínicos



Más de 1500 casos de pacientes precargados
- ✓ Referencias detalladas en 3D a diversas enfermedades y condiciones médicas
- ✓ Enriquece la formación médica con recursos de anatomía comparativa que incluyen exploraciones pre y posquirúrgicas, comparaciones congénitas y evaluaciones entre especies



Estación de trabajo de radiología
- ✓ Dispositivo aprobado por la FDA para salas de radiología optimizadas para un flujo de trabajo de diagnóstico visual
- ✓ Se integra fácilmente en los sistemas PACS con acceso instantáneo a los archivos de los pacientes



Visualizador DICOM
- ✓ Representación de volumen 3D de archivos DICOM disponibles para una vista completa de los hallazgos patológicos
- ✓ Simplifica las comunicaciones médico-paciente con visualización 3D de informes, condiciones y planes de tratamiento del paciente

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Un vistazo a la Table Clinical de Anatomage

Objetivo

- Educa a los pacientes sobre sus condiciones médicas y planes de tratamiento con imágenes en 3D
- Ayuda en el proceso de diagnóstico al examinar la anatomía anormal en 3D
- Minimiza los errores quirúrgicos al mapear los procedimientos operativos en pacientes virtuales
- Mejora el entrenamientos médico con abundantes casos patologicos

Contenido

- Anatomía macroscópica: 2 cadáveres masculinos y 2 femeninos para operación virtual
- Segmentación: más de 2950 estructuras anatómicas
- Anatomía funcional: embarazo, vías neurales, kinesiología, aplicación ocular, cardiología, odontología, vías fisiológicas
- Anatomía regional: 40 exploraciones regionales de hasta 0,4 mm de alta resolución
- Simulación: flujo sanguíneo, EKG, movimiento cardíaco, cateterismo, artroscopia, vistas endoscópicas
- Histología: 1047 cortes de histología con tejido de todo el cuerpo humano
- Prosección: 66 prosecciones de imágenes de cadáveres en 3D

Herramientas diagnosticas

- Representación de volumen 3D: convierte estudios 2D de pacientes en imágenes 3D para una vista clínica detallada
- Operación virtual: simule operaciones en cadáveres digitales para garantizar resultados exitosos para los pacientes
- Uso compartido de recursos: acceso instantáneo a una amplia gama de recursos médicos para una referencia rápida a la anatomía clínica y la información sobre el manejo de enfermedades

Aplicaciones

- Diagnostico clinico
- Atencion al paciente
- Comunicación y educación del paciente
- Capacitación clínica y educación

Hardware

- Mesa de 55”, pantalla multitáctil
- Wi-Fi, Bluetooth, HDMI, USB, puertos Ethernet
- Dimensiones: 51,5” x {31,5”-72,25”} x 30,5” (largo x alto x ancho). Altura variable con controlador.

Anatomage Share

Anatomage Share es una cuenta gratuita que permite a los usuarios compartir y almacenar archivos para mejorar el uso de los productos de Anatomage. Con Anatomage Share, los estudiantes, instructores y profesionales médicos pueden intercambiar planes de lecciones, cuestionarios, materiales de aprendizaje y archivos vpf con otros usuarios en la plataforma.

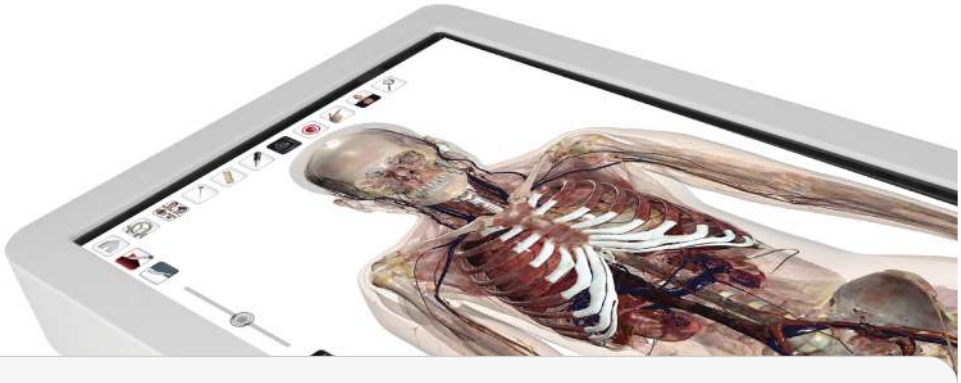
Compara la diferencia

Radiología Tradicional	Anatomage Table Clinical
Tiempo de respuesta largo para generar informes de radiología	Acceso inmediato y análisis de informes de pacientes
Dificultad para que los pacientes comprendan los informes	La visualización en 3D permite a los pacientes comprender la condición y el plan de tratamiento
Las imágenes 2D limitan la visibilidad de los hallazgos patológicos	Las imágenes en 3D proporcionan una vista dinámica a todo color de la anatomía anormal
Practicar durante cirugías puede no ser plausible	Pacientes virtuales disponibles para esquemas quirúrgicos

Contáctenos: Para obtener más información sobre Anatomage Table Clinical o para programar una demostración, visite Anatomage.com o su distribuidor local.

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Anatomage™ TABLE



Integral

La tecnología avanzada de Anatomage incluye la anatomía digital más completa y precisa, con amplia visualización y anotación de mas de 2,950 estructuras anatómicas y más de 1500 enfermedades.

Interactivo

Anatomage Table proporciona acceso práctico y a demanda a un laboratorio digital para que estudiantes y profesionales médicos experimenten disecciones virtuales y simulaciones de anatomía funcional.

Preciso

Contenido enriquecido y preciso modelado a partir de los cuerpos de Anatomage: imágenes 3D de cadáveres reales representados juntos con una resolución de hasta 0,4 mm.

De los conceptos a la realidad

Anatomage Table es la herramienta de disección virtual y visualización anatómica en 3D más avanzada para anatomía, patología, kinesiología y salud de la mujer. Al incorporar el renombrado software de radiología y el contenido clínico de Anatomage, los usuarios pueden estudiar con cadáveres humanos reales en un formato de mesa de operaciones de tamaño completo. Las instituciones académicas, los consultorios médicos y los hospitales de todo el mundo utilizan Anatomage Table para impartir lecciones, reforzar el aprendizaje y ayudar en el diagnóstico y tratamiento médico.

Potencie su viaje médico con anatomía 3D

El contenido principal de Anatomage equipa a profesores, estudiantes y profesionales médicos con herramientas tecnológicas avanzadas que aceleran la educación y atención médica.



Cuerpos Anatómicos

- ✓ 4 cadáveres digitales con anatomía masculina y femenina reales
- ✓ Una ruta detallada y perspicaz de las estructuras vasculares para visualizar todo el sistema circulatorio



Anatomía funcional y simulaciones

- ✓ Anatomía funcional del embarazo, kinesiología, anatomía dental y vías neurales
- ✓ Simulaciones del flujo sanguíneo, electrocardiograma, movimiento cardíaco y cateterismo



1,500+ Casos Clínicos

- ✓ Visualización precisa de la anatomía patológica manifestada en enfermedades comunes y raras
- ✓ Obtenga información sobre el diagnóstico médico, ampliando el conocimiento de los estudiantes sobre la atención al paciente y las comunicaciones



Visor DICOM 3D

- ✓ Representaciones de volumen 3D fotorrealistas de imágenes DICOM para una mejor visualización
- ✓ Diferentes filtros UHQ disponibles para ver a través de la densidad anatómica de los estudios de imágenes de pacientes

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Un vistazo a la Anatomage Table

Objetivo

- Proporciona herramientas y tecnologías para promover la eficiencia del aprendizaje, la participación de los estudiantes y la aceleración de la carrera
- Proporciona soluciones clínicas para mejorar la atención al paciente, la educación médica y la comunicación hospitalarias
- Mejorara la precisión del aprendizaje, accesibilidad a recursos y liderazgo tecnológico en instituciones académicas

Contenido

- Anatomía macroscópica: 40 estudios regionales de hasta 0,4 mm de resolución
- Histología: 1.047 cortes histológicos con tejido de todo el cuerpo humano
- Prosección: 66 prosecciones de imágenes de cadáveres en 3D
- Anatomía animal: cadáveres de perros, gatos, ranas y ratones en tejido real, incluidas 285 tomografías computarizadas/resonancias magnéticas

Herramientas didácticas

- Modo Asistente de aprendizaje
- Herramientas de anotación
- Herramientas de autoevaluación y cuestionarios

Aplicaciones

- Laboratorio virtual de anatomía y disección
- Ayudas de lectura
- Entrenamiento Clínico
- Simulaciones Quirúrgicas
- Atención y comunicación al paciente

Hardware

- Mesa de tamaño real de 84”, pantalla multitáctil
- Wi-Fi, Bluetooth, HDMI, USB, puertos Ethernet
- Dimensiones: 85.9” x 34.9” x 27.79” (LxAxA)

Experimente nuestros cadáveres digitales

Disección: realizar cortes capa por capa

Barras deslizantes de brillo/contraste: ajuste el volumen para agregar/eliminar sistemas o estructuras grandes del cadáver

Plano de recorte personalizado: defina una región o estructura para su eliminación

Flythrough: examine endoscópicamente el interior de un cuerpo humano

Planos anatómicos: oriente el cadáver para vistas coronal, sagital y axial

Herramienta de craneotomía: elimine virtualmente una sección del cráneo para estudiar el cerebro

Herramienta exploratoria: identifique instantáneamente cualquier estructura seleccionada



Anatomage Table Convertible

Una versión ajustable de la Anatomage Table, la Table Convertible se puede inclinar a una posición vertical. Esto es ideal para la visualización de múltiples ángulos del cadáver de pie, mejorando la visibilidad de toda la anatomía humana.

Datos de contacto: Para obtener más información sobre Anatomage Table o programar una demostración, visite Anatomage.com o su distribuidor local.

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MEDICAL HARBOUR

ATHENA
HUB



Plataforma interactiva virtual 3D para la enseñanza anatómica

un producto
MEDICAL HARBOUR

Rev. 01 ES

Anatomía sin fronteras

Athena Hub es la plataforma más completa para el estudio anatómico en el mercado, ya que tiene el cadáver humano 3D virtual, el Atlas Anatómico humano completo y el atlas anatómico de 8 animales, incluyendo sus sistemas y estructuras identificadas en 4 idiomas (portugués, inglés, español y latín). Además, ofrece una estación de trabajo radiológica con un módulo de fotorrealismo, que incluye estudios de casos radiológicos de los seres humanos y los animales. También cuenta con módulos de citología, visualización de diapositivas e incluso es posible importar cualquier tipo de medios al sistema para visualizar y realizar estudios comparativos con un solo clic.

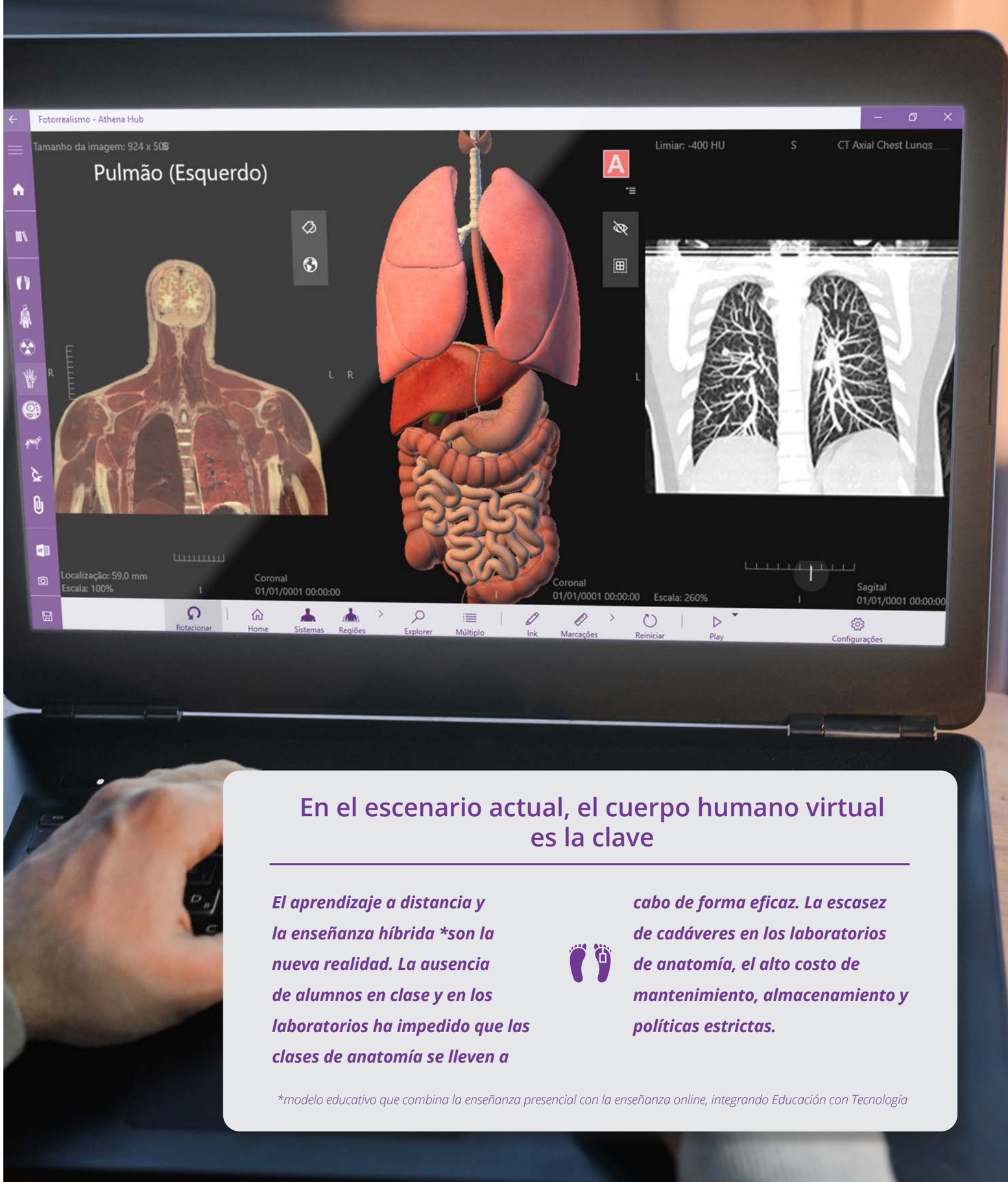
Cadáver Virtual | Atlas Humano | Radiología | Fotorrealismo

Citología | Portaobjetos | Veterinaria | Agregar Contenido

Reducción de costes en Universidades, complementando las clases de laboratorio con cadáveres reales

El cadáver real requiere atención constante y un manejo especial, además de contar con políticas restrictivas y generando un alto costo de mantenimiento con el almacenamiento y la documentación. Por otro lado, los simuladores del cuerpo humano, además de ser caro, las partes anatómicas no son fieles a la realidad en sus aspectos de color y textura, que puede dañar al estudiante en su proceso de enseñanza-aprendizaje. El Athena Hub es la solución ideal, ya que tiene un cadáver real, totalmente digitalizado en 3D, y otros módulos que complementan las clases de enseñanza anatómica.

- Menos gastos con productos químicos
- Sin necesidad de cuidados especiales
- Menos gastos de mantenimiento
- No hay deterioro
- No requiere estructura con ventilación ni almacenamiento



En el escenario actual, el cuerpo humano virtual es la clave

El aprendizaje a distancia y la enseñanza híbrida *son la nueva realidad. La ausencia de alumnos en clase y en los laboratorios ha impedido que las clases de anatomía se lleven a cabo de forma eficaz. La escasez de cadáveres en los laboratorios de anatomía, el alto costo de mantenimiento, almacenamiento y políticas estrictas.

**modelo educativo que combina la enseñanza presencial con la enseñanza online, integrando Educación con Tecnología*



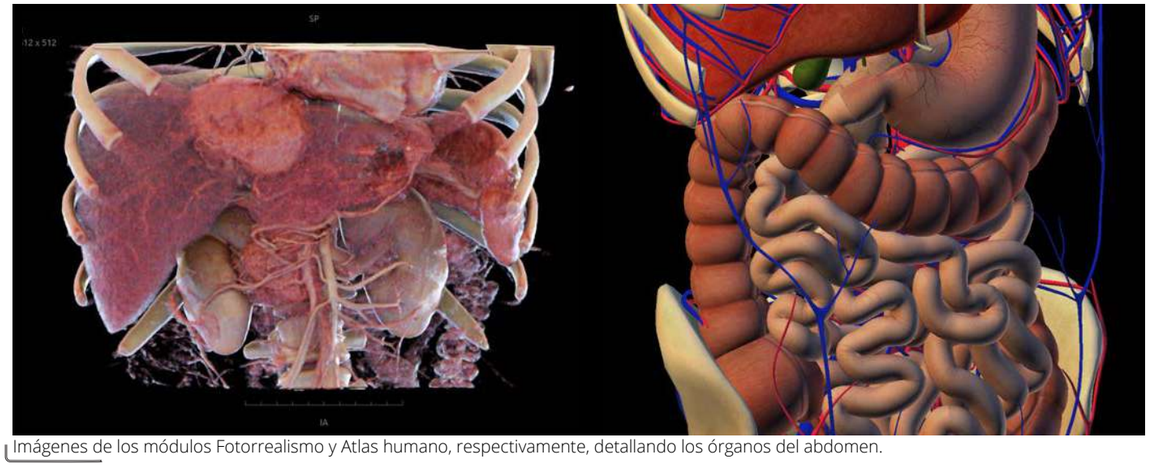
Imágenes del módulo Cadáver Virtual

El cuerpo humano virtual es la clave

Athena Hub es una plataforma de enseñanza interactiva para estudios biológicos, disección virtual 3D y análisis de imágenes médicas. Cuenta con un Cadáver Virtual, un Atlas Anatómico completo y un puesto de trabajo Radiológico, que permiten la exploración y conocimiento de la anatomía humana con recursos digitales que van más allá de cualquier otra práctica que pueda ofrecer.



Imágenes del módulo Fotorrealismo, detallando la estructura ósea y el sistema circulatorio.



Imágenes de los módulos Fotorrealismo y Atlas humano, respectivamente, detallando los órganos del abdomen.

Recursos de exploración de anatomía

Athena Hub es una plataforma donde los estudiantes pueden interactuar con pacientes reales en un entorno virtual. El módulo de Fotorrealismo en Athena Hub facilita la formación clínica con altos estándares de calidad, asegurando que la enseñanza de Anatomía siempre se logre. La integración con casos reales proporciona una mayor riqueza de formación y conocimiento clínico.

Contenido rico en anatomía

Los detalles y posibilidades para visualizar estructuras y contenidos ricos generan más interés y atención, lo que lleva al estudiante a los resultados educativos más eficaces. Miles de estructuras segmentadas para proporcionar Una anatomía más precisa en 3D en cualquier vista del módulo. Además, es el único software que permite la visualización de todos los módulos en la misma pantalla, lo que facilita la enseñanza y el aprendizaje en el área de la salud.

Athena Hub es una solución completa e intuitiva para llevar a cabo un análisis detallado del cuerpo humano y animal usando imágenes tridimensionales y/o plano. Con eso, es posible importar imágenes DICOM y otro tipo de contenido (videos, audios, documentos, imágenes, etc.), así como realizar anotaciones directamente en la pantalla, superponiendo los estudios.

"Es una solución completa e intuitiva para realizar análisis detallados del cuerpo humano"

Además, es posible exportar las imágenes de generación de datos de impresión (pantalla), audios e informes personalizados (Word). También, es posible guardar todas las actividades realizadas en el espectador en espacios de trabajo (Workspace) con títulos y descripción y organización de acuerdo con anatómicas sistemas / regiones. En la pantalla de Workspace, es posible gestionar (editar, exportar, duplicar y eliminar) los espacios de trabajo guardado, así como importar de forma local.

Imágenes de los módulos Cadáver virtual, Atlas anatómico y Radiología.

Beneficios para el **profesor:**

- Dinamismo en clase
- Reunir todo el material didáctico en una única plataforma
- Compartir y promover estudios de casos
- Promover el protagonismo del alumno a través de una metodología activa.
- Preparar al estudiante para la práctica clínica.

Beneficios para el **estudiantes:**

- Incrementar la concentración visual
- Flexibilidad en la enseñanza, estudia desde cualquier lugar
- Preparación para prácticas anatómicas
- Preparación emocional para la realización de prácticas clínicas
- Posibilidad de formación antes de la ejecución clínica

Beneficios para el **laboratorio:**

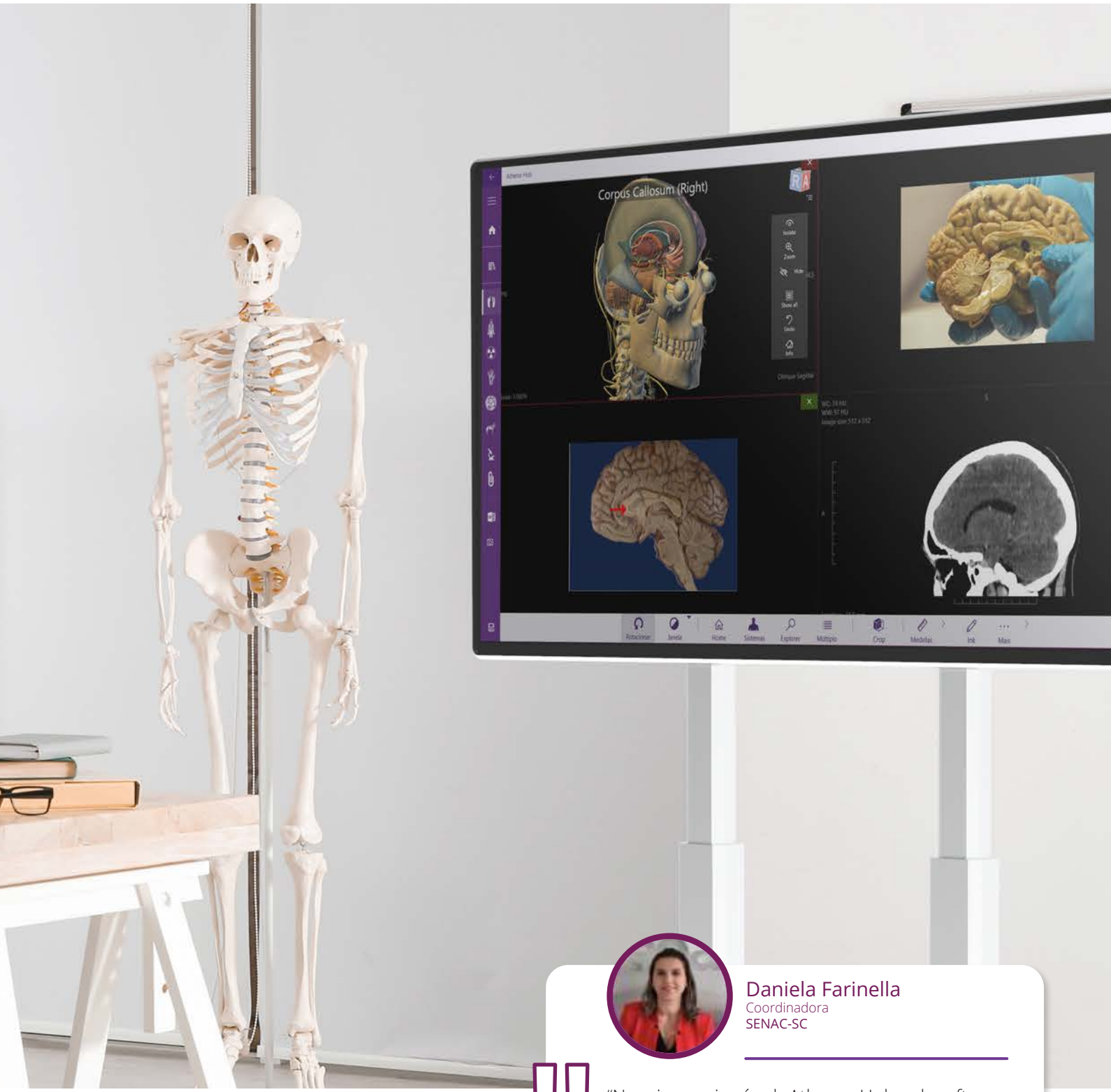
- Ahorro de tiempo de laboratorio
- Menor número de licencias, turnándose
- Mayor posibilidad de prácticas clínicas por la escasez de cadáveres
- Menos gastos con piezas conservadas
- Disminución de la deserción universitaria

Uso de metodología activa en clases presenciales y complementación de la enseñanza anatómica.



Evaluación máxima

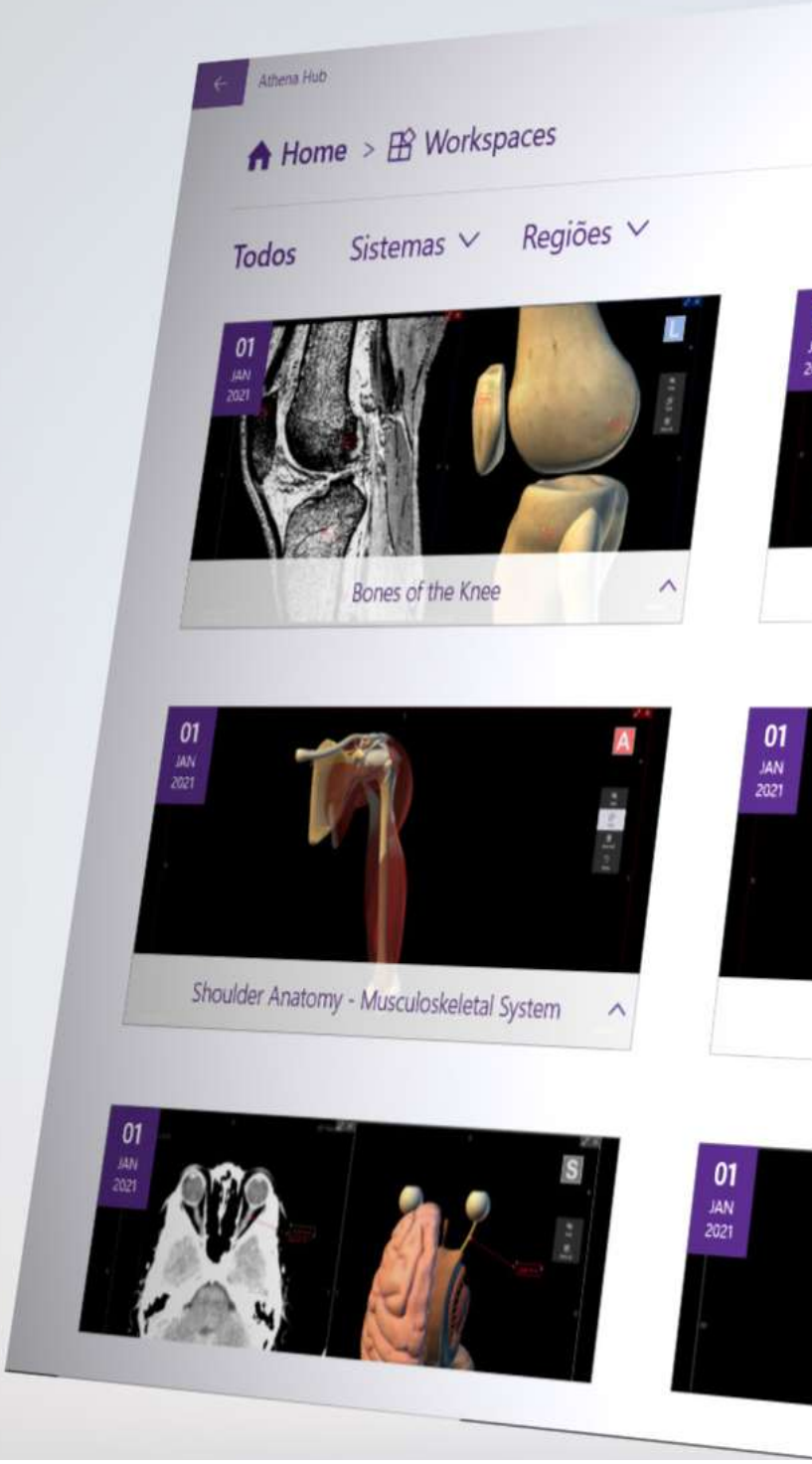
La nota de evaluación tiene un peso significativo para la institución educativa, ya que esta nota evalúa la calidad de los cursos de educación superior y puede influir en la decisión del estudiante de elegir o no dónde estudiar. La inversión en herramientas que ayuden a optimizar el aprendizaje ha agregado peso a los criterios adoptados por el Ministerio de Educación para evaluar los cursos.



Daniela Farinella
Coordinadora
SENAC-SC

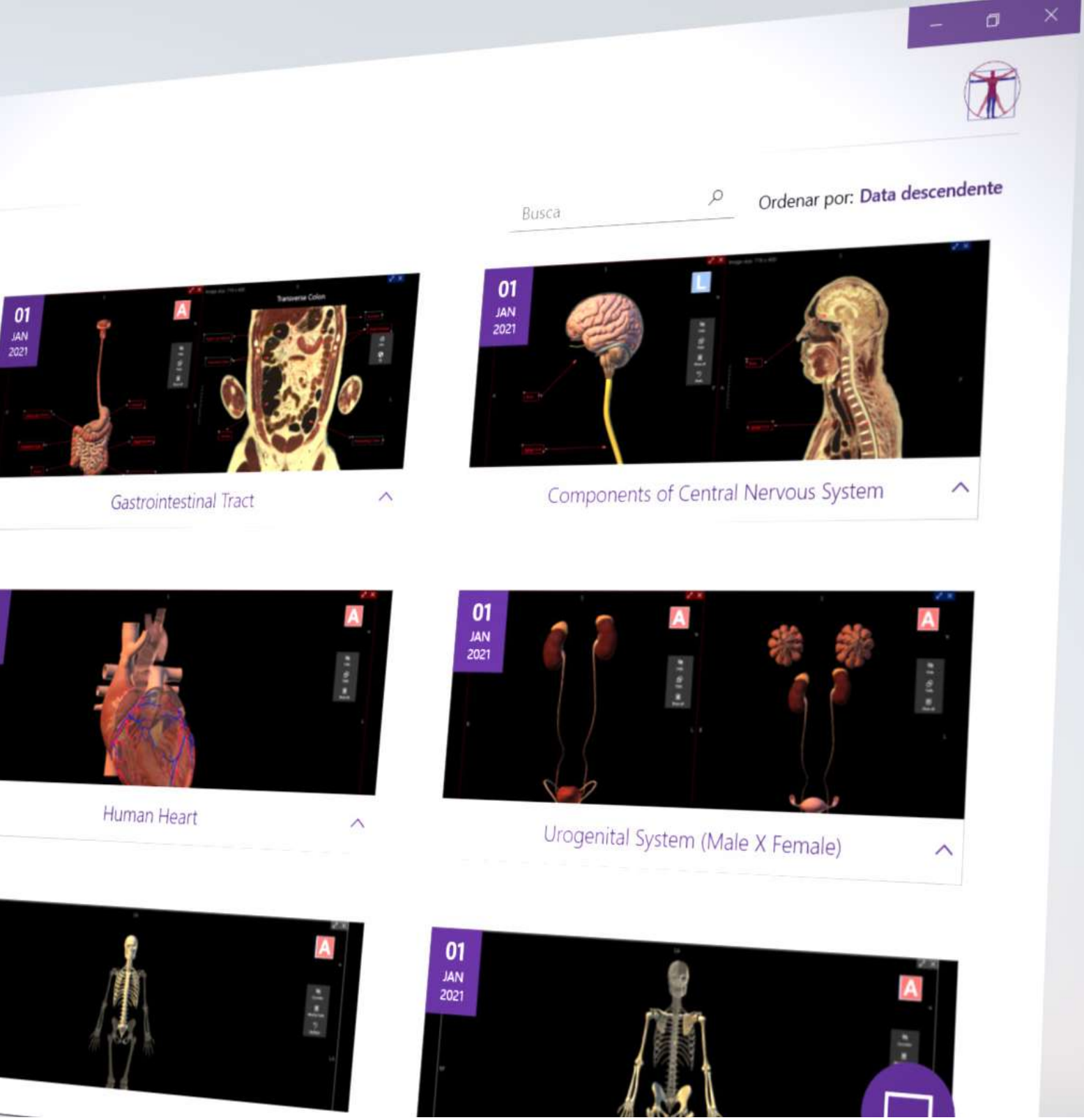
"Nos impresionó el Athena Hub, el software aportó mucha innovación al curso de radiología y hoy estamos ampliando la compra al curso de enfermería".

¡Guarda tus clases o estudios y accede cuando quieras!



Espacios de trabajo

Workspace es la característica más novedosa de Athena Hub que ofrece al usuario la posibilidad de guardar los estados de visualización, creando así sus clases, notas, estudios guiados, entre otros. Es una herramienta que permite almacenar la última vista, permitiendo al usuario retomar sus estudios o al profesor continuar con sus clases, desde el momento en que terminaron.



La funcionalidad también tiene un motor de búsqueda amplio, con título, fecha y categorización por regiones y sistemas anatómicos. Además, es posible la exportación e importación de trabajo guardados localmente permitiendo su uso compartido entre los usuarios de Athena Hub. El sistema ofrece un conjunto de áreas de trabajo como ejemplos y el usuario será capaz de editarlos, eliminarlos y crear sus propios estados de visualización.

Educación anatómica eficaz

Una solución completa, permitiendo a los maestros y estudiantes acceder al contenido sin perder la calidad de la educación en el área de la salud.



Languages

Interface, Atlas (Human and Veterinary), Virtual Cadaver and Cytology:

Inglés
Terminología anatómica internacional FIPAT:
El Programa Federativo Internacional de Terminología Anatómica

Español
TAP - Terminología anatómica panamericana

Portugués
Terminología anatómica internacional de la SBA:
Sociedad Brasileña de Anatomía

Latin
Atlas (humano y veterinario), cadáver virtual siguiendo FIPAT.



Requisitos de hardware - Athena Hub

Requisitos	Procesador	Tarjeta de video	Memoria
Mínimo	Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
Recomendado	Intel Core i5 de segunda generación o similar	Tarjeta de video dedicada (2GB) o superior	8 GB RAM o superior

Aplicaciones

Educación médica

· Universidades

· Escuelas técnicas

· Instituciones de enseñanza

Adecuado para laboratorios de anatomía, clases de anatomía y radiología, estudiantes, formación de residentes, conferencias y presentaciones de diferentes áreas de la medicina relacionadas con el uso de imágenes radiológicas / DICOM, Atlas Humano Virtual Interactivo 3D y Cadáver Virtual Interactivo.

Planificación quirúrgica

· Hospitales

· Salas de descanso médico

Una excelente herramienta para la discusión de casos médicos, planificación pre y post quirúrgica y es ideal para salas de descanso, clínicas y salas de operaciones.



















Práctica clínica

· Clínicas de salud
· Instituciones de salud
· Seguro de salud

El Athena Hub se puede utilizar para explicaciones y presentaciones de estudios y casos de pacientes de una manera fácil y didáctica, con ricos detalles, agregando valor a las consultas médicas.

Otras aplicaciones

· Enfermería
· Medicina Veterinária
· Medicina legal
· Educación Física
· Medicina desportiva
· Biología
· Bioingeniería
· Psicología
· Museología
· Institutos de investigación
· Programas de postgrado



Cadáver Virtual

Módulo de cadáver virtual - Reconstrucción multiplanar (MPR) Axial, Sagital y Coronal.



Un cuerpo real para estudiar

- *Cuerpo humano masculino real*
- *Limpio y seguro*
- *Costos de infraestructura reducidos*
- *Imágenes de alta resolución*
- *Disección interactiva con etiquetas*
- *Anotaciones y medidas completas*
- *MPR - Reconstrucciones multiplanares*
- *Reconstrucciones 3D*
- *Examen de tomografía completo*

El cadáver virtual viene con imágenes en color y formas preservadas, lo que ilustra el realismo anatómico preciso de un ser humano vivo. Se puede cortar y disecar condetalles reveladores de morfología interna. Las medidas de encargo y anotaciones pueden ser fácilmente añadidos a la visualización de las partes anatómicas. La alta resolución permite una visualización detallada e intuitiva de los sistemas y el contenido regional cubre la cabeza y el pecho, el abdomen y la pelvis, los muslos y las rodillas, las piernas y los pies. Estos contenidos son útiles para la enseñanza y el aprendizaje de los detalles de las estructuras regionales.

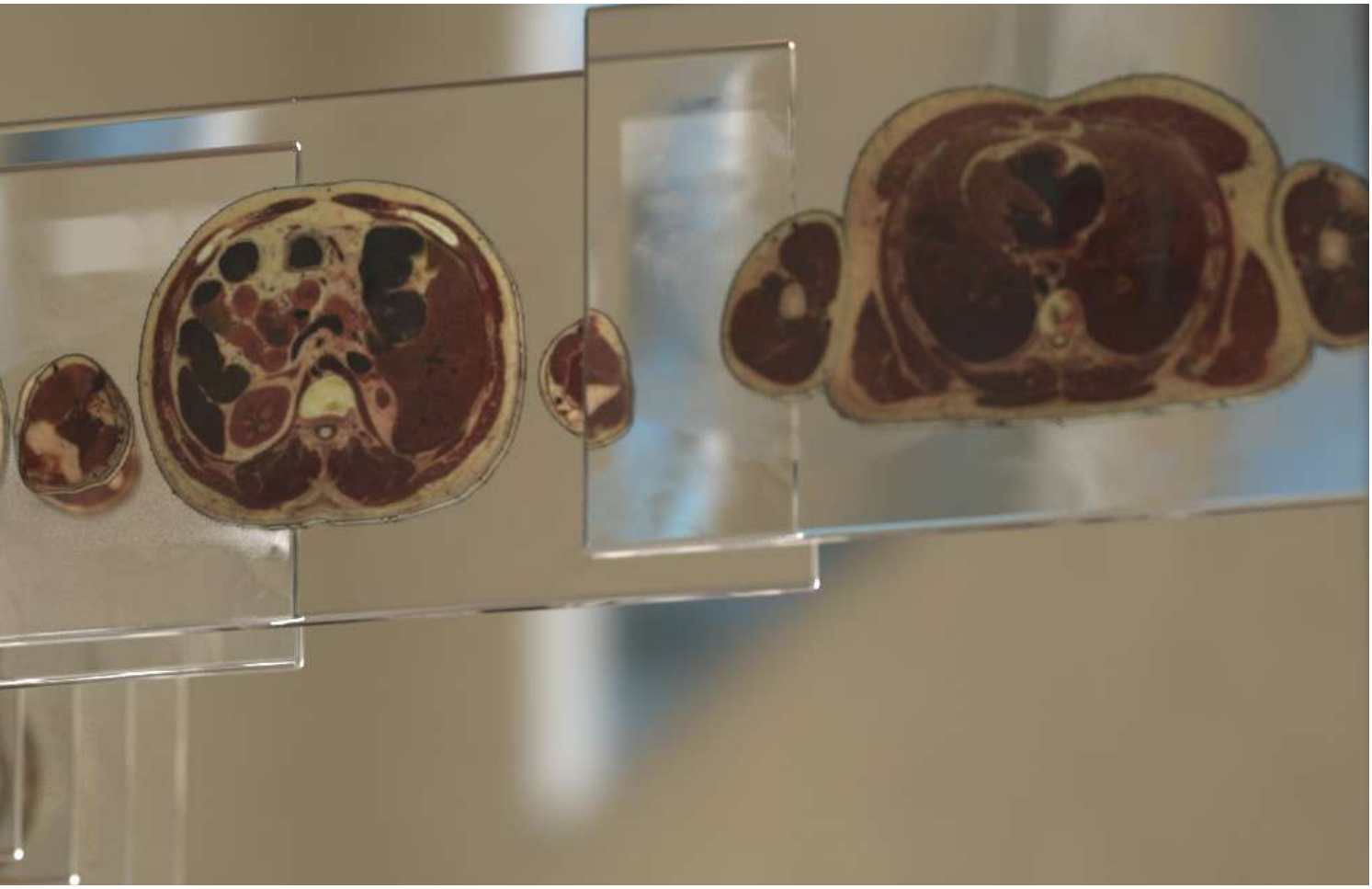
El cadáver virtual es un cuerpo humano real que fue congelado, dividido en 1.878 partes y se fotografió con equipo de muy alta resolución. Este módulo contiene una serie de imágenes de tomografía computarizada del cuerpo humano completo y 5 series de imágenes RGBA en alta definición (4 series que contienen regiones anatómicas y 1 serie que contienen el cuerpo completo). Las 4 regiones anatómicas son: la cabeza y el pecho, el abdomen y la pelvis, los muslos y las rodillas, las piernas y los pies.

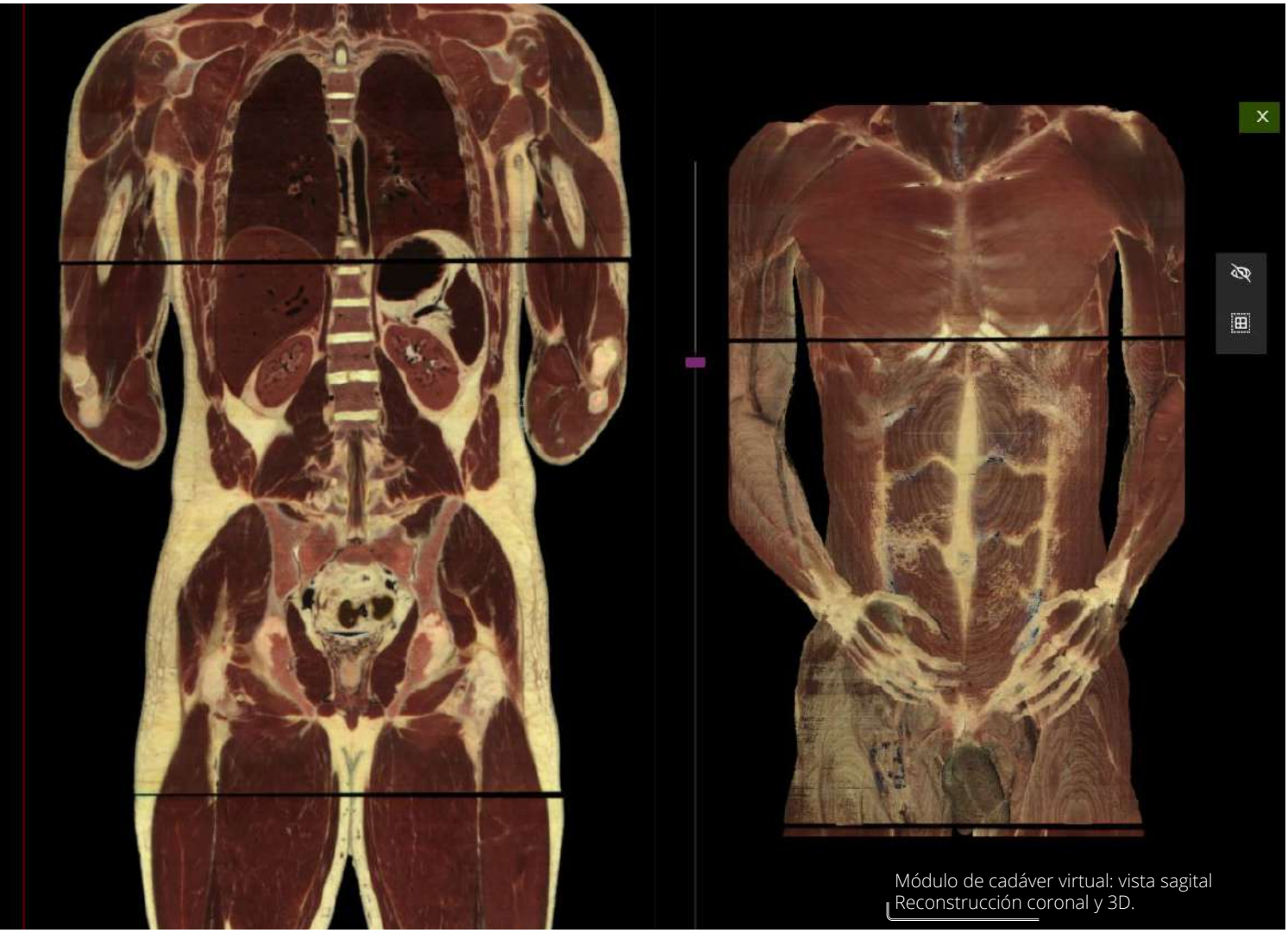


El cadáver virtual es un cuerpo humano real que fue congelado, dividido en 1878 cortes y fotografiado con equipo de muy alta resolución.

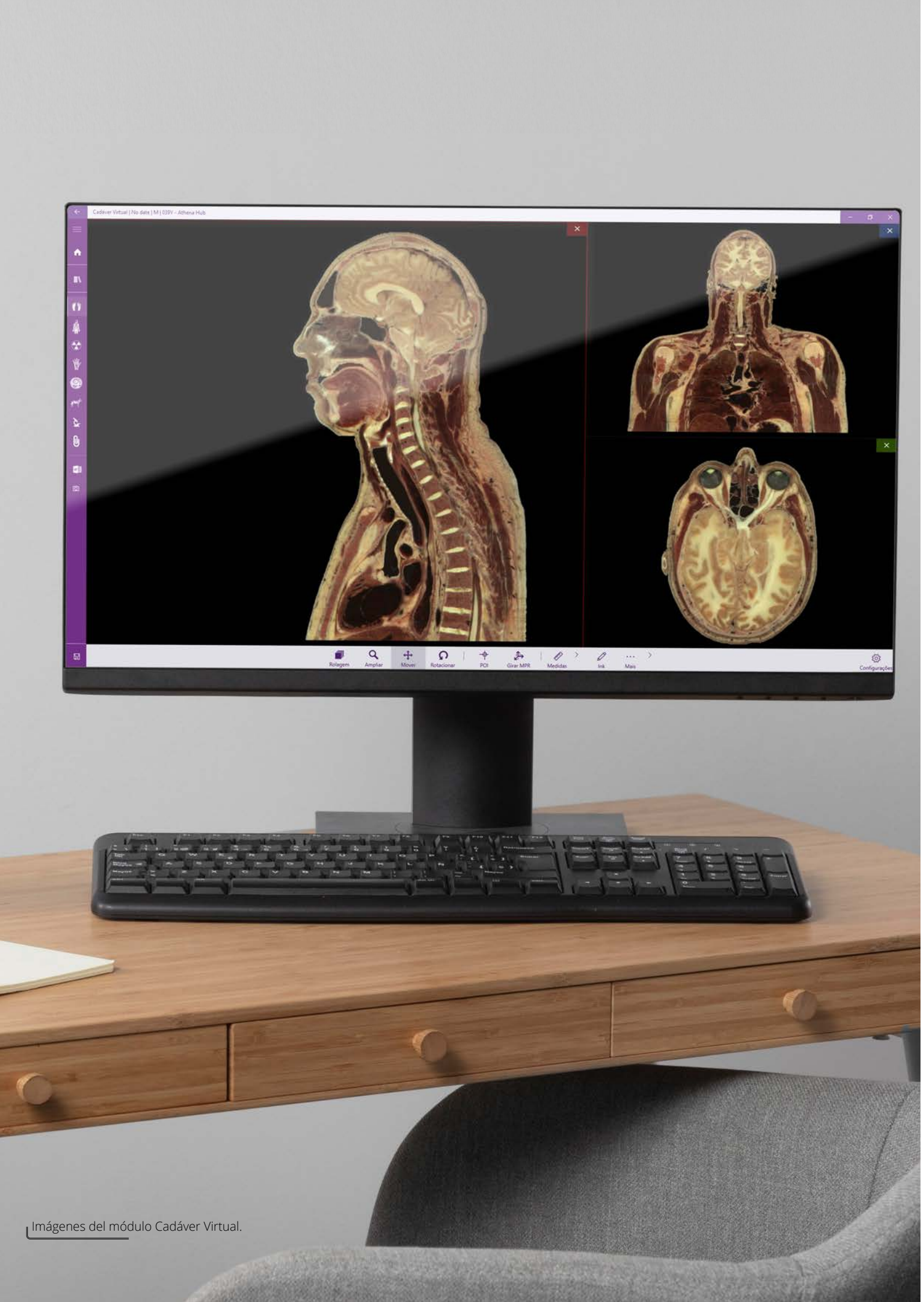
Además, este módulo puede ser reconstruido en 2D y 3D donde cada pequeña región del cuerpo humano se puede visualizar en detalle. Además, el cadáver virtual tiene una segmentación de tejido tridimensional con 211 partes nombradas según la Terminología Anatómica Internacional y separados en los siguientes sistemas anatómicos: esquelético, muscular, articulaciones, nervioso, digestivo, respiratorio y circulatorio.







Módulo de cadáver virtual: vista sagital
Reconstrucción coronal y 3D.



Imágenes del módulo Cadáver Virtual.

Lista de Características - Cadáver virtual

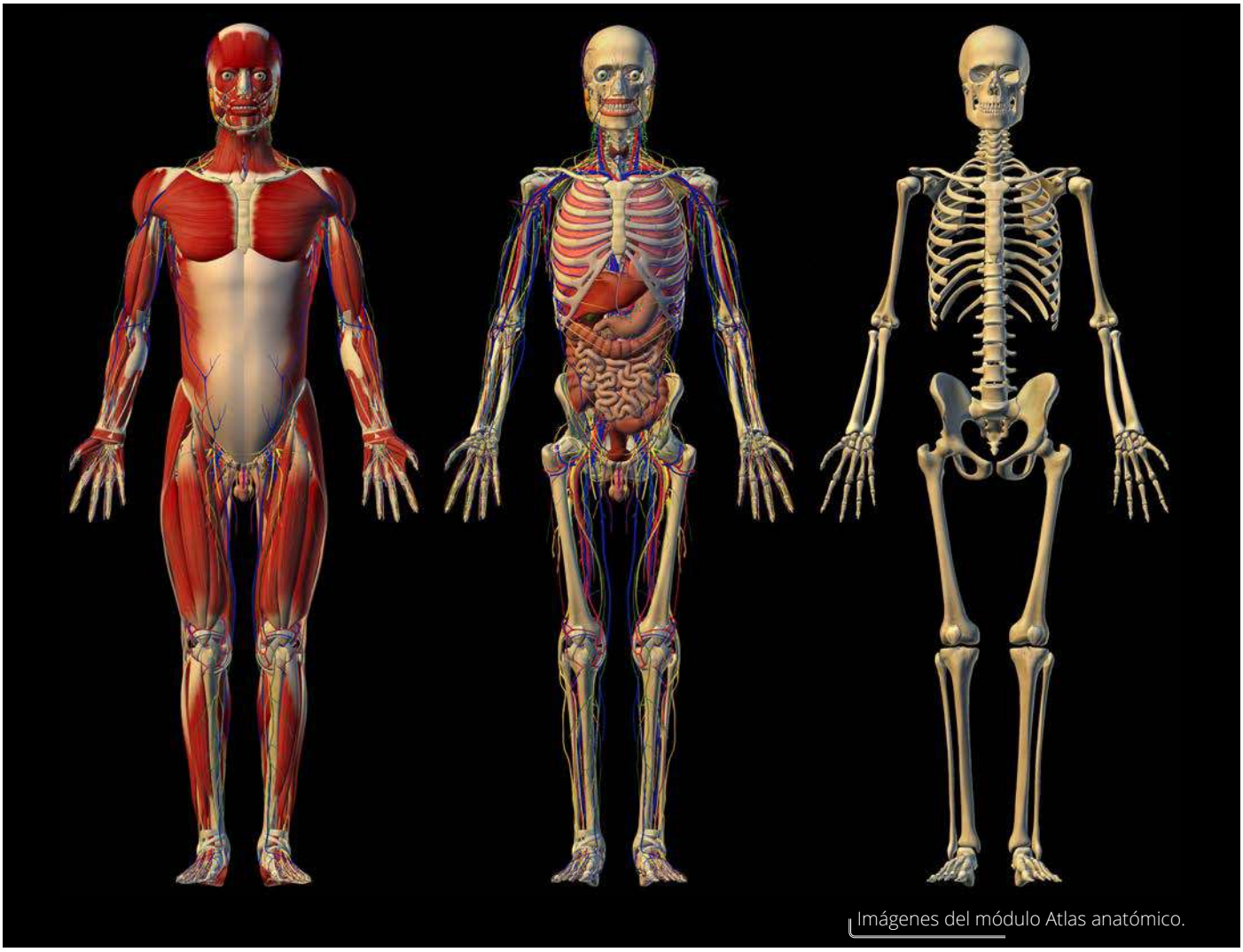
	Maestro	Estudiante
Cadáver virtual humano	Proyecto Visible Body (Estados Unidos).	
Tomografía computarizada (TC)	Vista de TC completa del cuerpo humano (1878 imágenes) en alta calidad (512x512).	No disponible
Regiones anatómicas	Vista del cuerpo completo en baja y media resolución (1878 imágenes) o 4 regiones anatómicas con baja, media y alta resolución (cabeza y el pecho, el abdomen y la pelvis, los muslos y las rodillas y las piernas y los pies)	Vista del cuerpo en 4 regiones anatómicas con resolución baja y media (cabeza y pecho, abdomen y pelvis, muslos y rodillas, piernas y pies).
Visualización 2D y 3D	Posibilidad de visualizar imágenes reales de cadáveres en 2D (planos axial, sagital y coronal) y en 3D.	
Herramientas de manipulación (2D)	4 herramientas básicas (desplazarse, hacer zoom, mover y rotar)	
Herramientas de manipulación (3D)	7 herramientas básicas (ampliar, mover, rotar, aislar selección, ocultar selección, mostrar todo y deshacer).	
Herramientas de anotación y medidas	9 herramientas de medida y anotación (regla, valor, flecha, elipse, rectángulo, polilínea, a pulso, angulares y de texto) con opciones de color personalizado.	
Herramienta de recorte (solo Visualización 3D)	Permite recortar el volumen en los planos.	
Herramienta de ventana (solo vista 3D y capa inicial)	Le permite cambiar la ventana de vista 3D a un valor personalizado o predefinido.	
Reconstrucción multiplanar - MPR (solo vista 2D)	Le permite ver en 2D el corte del cuerpo humano en los planos axial, sagital y coronal simultáneamente.	
Girar MPR (solo vista 2D y MPR activo)	Le permite rotar el plano de reconstrucción MPR.	
Punto de interés: PDI (solo vista 2D y con MPR activo)	Le permite sincronizar las ventanas de vista previa en el punto seleccionado.	
Segmentación de cadáveres	Selección y visualización de centenas de estructuras anatómicas en imágenes 2D y 3D con sus nomenclaturas y sinónimos en español, inglés y portugués.	
Hogar	Devuelve el volumen 3D a la posición inicial.	
Sistemas anatómicos (solo módulo de visualización y segmentación 3D)	Mostrar / Ocultar 7 sistemas anatómicos: Esquelético (75 estructuras), Muscular (20 estructuras), Articulado (38 estructuras), Nervioso (8 estructuras), Digestivo (23 estructuras), Respiratorio (11 estructuras), Circulatorio (29 estructuras).	
Explorador de menús (solo módulo de visualización y segmentación 3D	Menú con visualización de todas las estructuras anatómicas visibles.	
Selección múltiple (solo módulo de visualización y segmentación 3D)	Le permite seleccionar múltiples estructuras anatómicas.	
Herramienta de capa (solo módulo de visualización y segmentación 3D)	Te permite cambiar la capa de visualización del cadáver virtual.	

Requisitos de Hardware - Cadáver Virtual

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
*Intel Core i5 de segunda generación o similar	*Dedicated Tarjeta de video (2 GB)	*8 GB RAM

**O superior, recomendado para un mejor rendimiento.*


Atlas Humano | No date | M/F | OBV - Athena Hub
SA
RA
Esconder
Mostrar tudo
RP
LA
RP
Oblique Coronal
01/01/0001 00:00:00
Rotacionar
Home
Sistemas
Regiões
Explorer
Múltiplo
Ink
Marcações
Reiniciar
Atlas Anatómico Humano



Imágenes del módulo Atlas anatómico.

Anatomía sistémica y topográfica

- *Atlas 3D masculino y femenino*
- *Más de 2500 estructuras revisadas*
- *Todo etiquetado en detalle*
- *Imágenes de alta resolución*
- *Traducido a 04 idiomas*
- *Disección interactiva con etiquetas*
- *Anotaciones y medidas completas*
- *Reconstrucciones 3D*
- *Sistema avanzado de búsqueda de estructuras*

Athena Hub también cuenta con un atlas anatómico 3D altamente interactivo y versátil con más de 2.500 estructuras. Navegar por todo el cuerpo humano, buscar una parte u órgano específico, y visualizar cualquier sistema de órganos. Reemplaza los modelos anatómicos y esqueléticos de la clase y el laboratorio, siendo una alternativa práctica e intuitiva. En conjunto, el cadáver virtual y nuestra biblioteca de imágenes médicas de todas las modalidades garantizan un impresionante conjunto de datos que se utilizarán durante una clase de anatomía, que proporciona soporte para una discusión de casos, un plan quirúrgico, una explicación de la conferencia o incluso una consulta clínica.

El Atlas Anatómico Humano tiene más de 2500 estructuras anatómicas de todos los sistemas del cuerpo humano y etiquetados con un sistema de búsqueda avanzada. El atlas, que fue desarrollado con texturas de alta calidad, garantiza un impresionante conjunto de datos que se pueden utilizar como referencia durante una discusión de casos, el plan quirúrgico o la anatomía de clase. Estos módulos están separados en modelos masculinos y femeninos y organizados de acuerdo con 12 sistemas anatómicos y 9 regiones, que son:

El Atlas Anatómico Humano tiene más de 2500 estructuras de todos los sistemas anatómicos.

Sistemas anatómicos

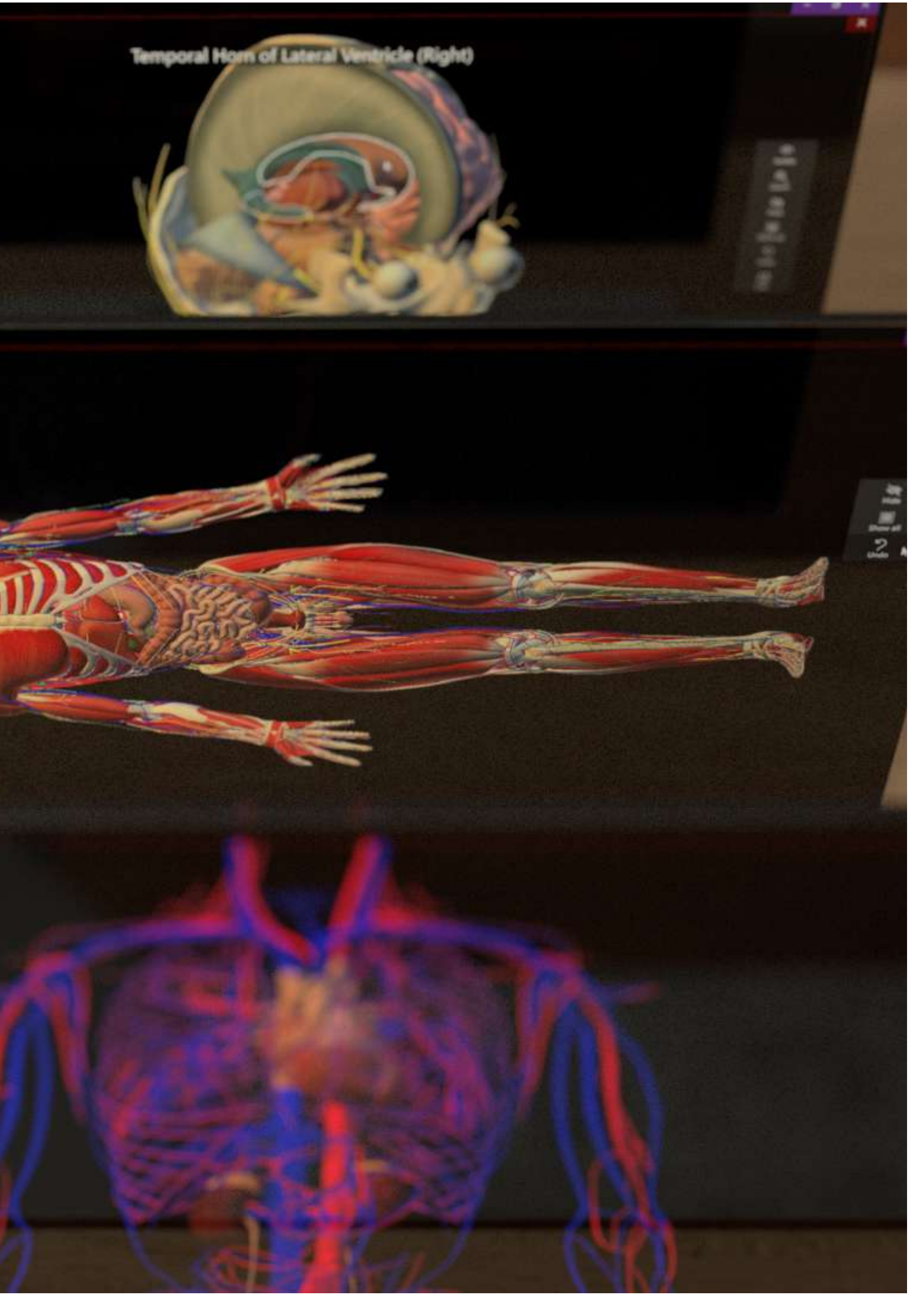
Integumentario, Muscular, Esquelético, Articular, Nervioso, Linfático, Digestivo, Respiratorio, Arterial, Venoso, Endocrino y Urogenital.

Regiones anatómicas

Cabeza y cuello, miembro superior derecho, miembro superior izquierdo, espalda, pecho, abdomen, pelvis, miembro inferior derecho y miembro inferior izquierdo.

Para cada parte anatómica es posible visualizar su nombre en portugués, Inglés y Español en la región superior de la pantalla y, también en Latin, para que basta con hacer clic y seleccionar la parte de interés. Además, los textos descriptivos de los sistemas y regiones anatómicas también están disponibles, sobre la base de la mayoría de los libros de anatomía actuales, pulsando el botón “Info”.




Temporal Horn of Lateral Ventricle (Right)

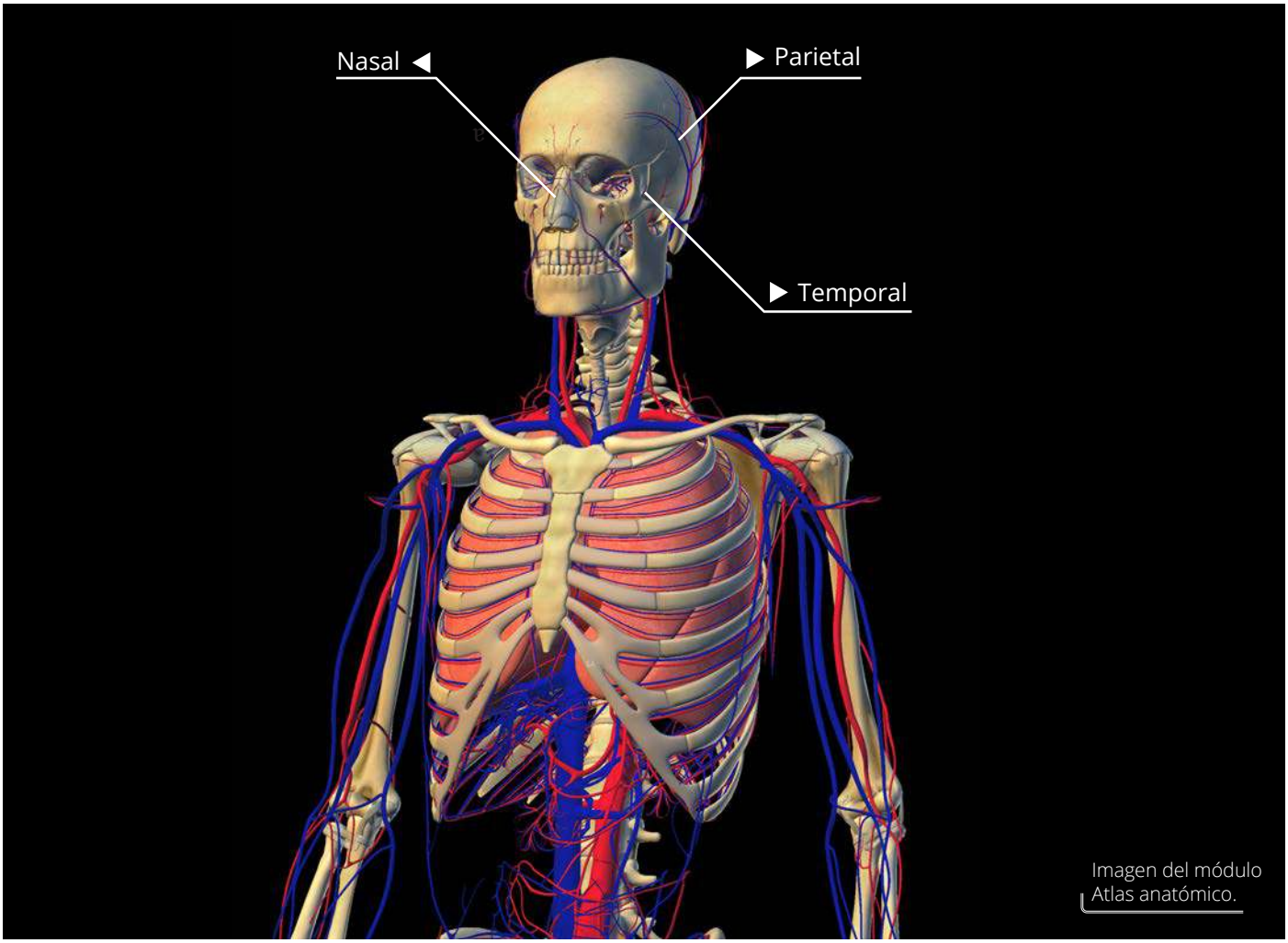


Imagen del módulo Atlas anatómico.

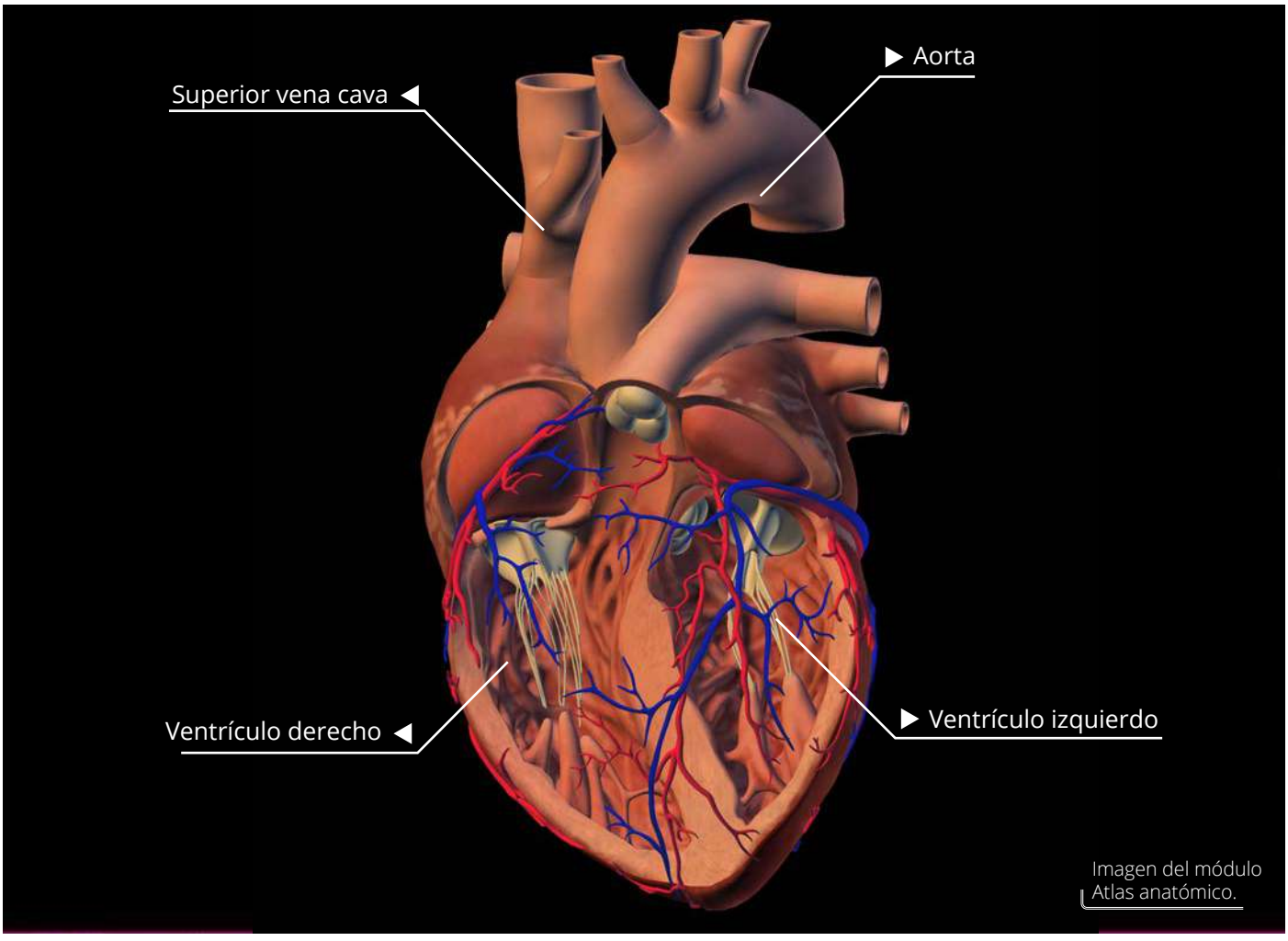


Imagen del módulo Atlas anatómico.

Lista de Características: Atlas anatómico humano

	Maestro	Estudiante
Sistemas anatómicos del Atlas Humano	Atlas anatómico humano (masculino y femenino) con 2.463 estructuras con sus nomenclaturas y sinónimos en portugués, inglés y español.	
Sistemas anatómicos del Atlas Humano	12 sistemas anatómicos: Esquelético (240 estructuras), Muscular (344 estructuras), Articulado (258 estructuras), Nervioso (559 estructuras), Digestivo (74 estructuras), Respiratorio (99 estructuras), Venoso (376 estructuras), Arterial (507 estructuras), Linfático (27 estructuras), Endocrino (12 estructuras), Tegumentario (5 estructuras), Urogenital (51 estructuras)	
Regiones anatómicas (solo atlas humano)	9 regiones anatómicas (cabeza y cuello, miembro superior derecho, miembro superior izquierdo, espalda, pecho, abdomen, pelvis, miembro inferior derecho y miembro inferior izquierdo).	No disponible
Herramientas básicas	3 herramientas básicas (rotar, mover y hacer zoom).	
Atlas herramientas	5 herramientas de manipulación de atlas (aislar, hacer zoom, ocultar, desvanecer, organizar y mostrar todo)	
Hogar	Devuelve el volumen 3D a la posición inicial.	
Menú del explorador	Menú con visualización de todas las estructuras anatómicas visibles.	
Selección múltiple	Le permite seleccionar múltiples estructuras anatómicas.	
Herramientas de anotación y medidas	2 herramientas de anotación y medición (flecha y texto) con opciones de color personalizadas.	
Reproducir/pausar	Rotación de objetos 3D con inicio / pausa y control de velocidad de rotación	
Información (solo atlas humano)	Pantalla con información sobre la estructura anatómica seleccionada (descripción de la estructura cuando esté disponible, región anatómica y sistema anatómico).	

Requisitos de hardware - Atlas anatómico humano

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
* Intel Core i5 de segunda generación o similar	*Tarjeta de video dedicada (2 GB)	*8 GB RAM

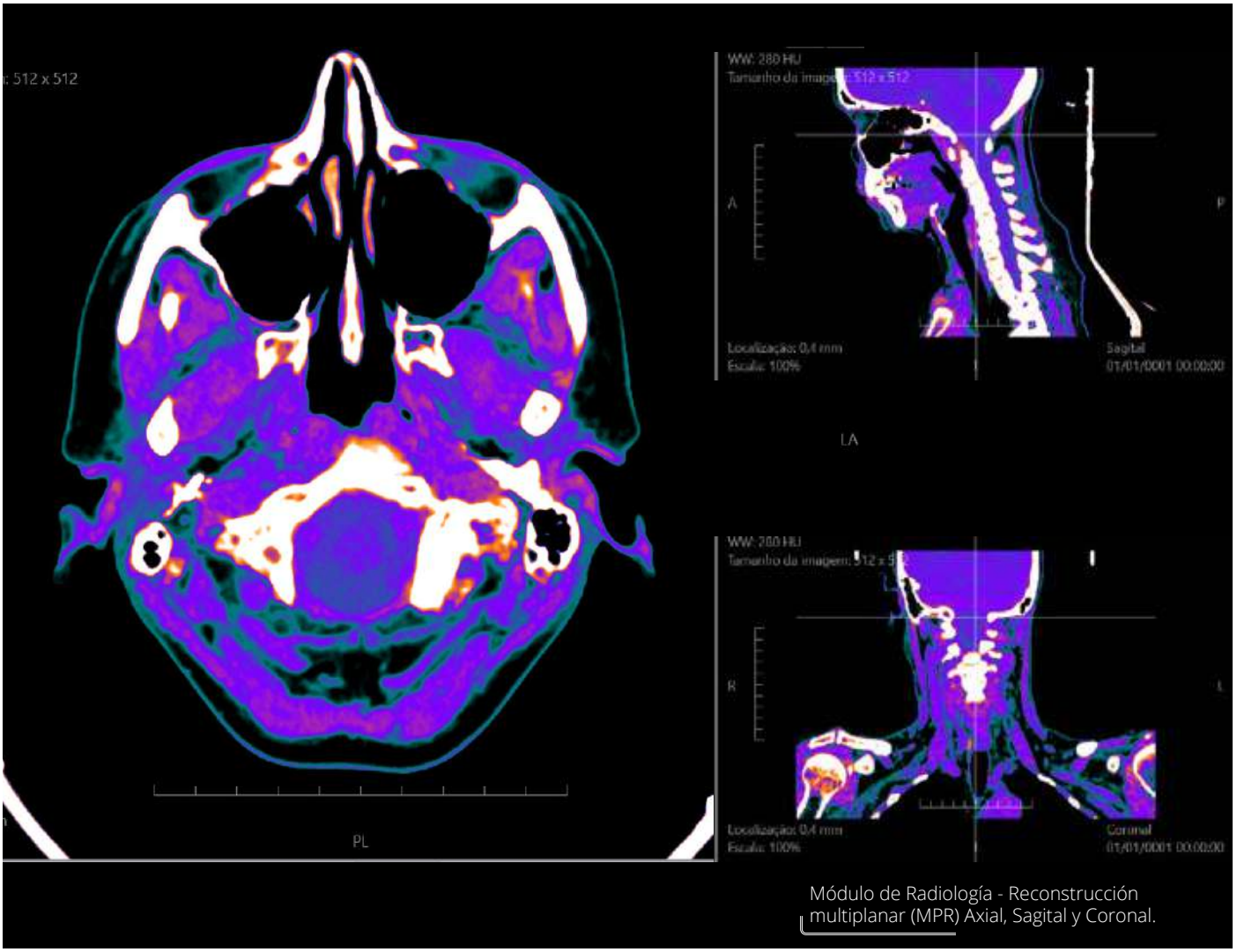
** O superior, recomendado para un mejor rendimiento.*



Radiología

Fotorrealismo

Imágenes de los módulos de Radiología y fotorrealismo.



Módulo de Radiología - Reconstrucción multiplanar (MPR) Axial, Sagital y Coronal.

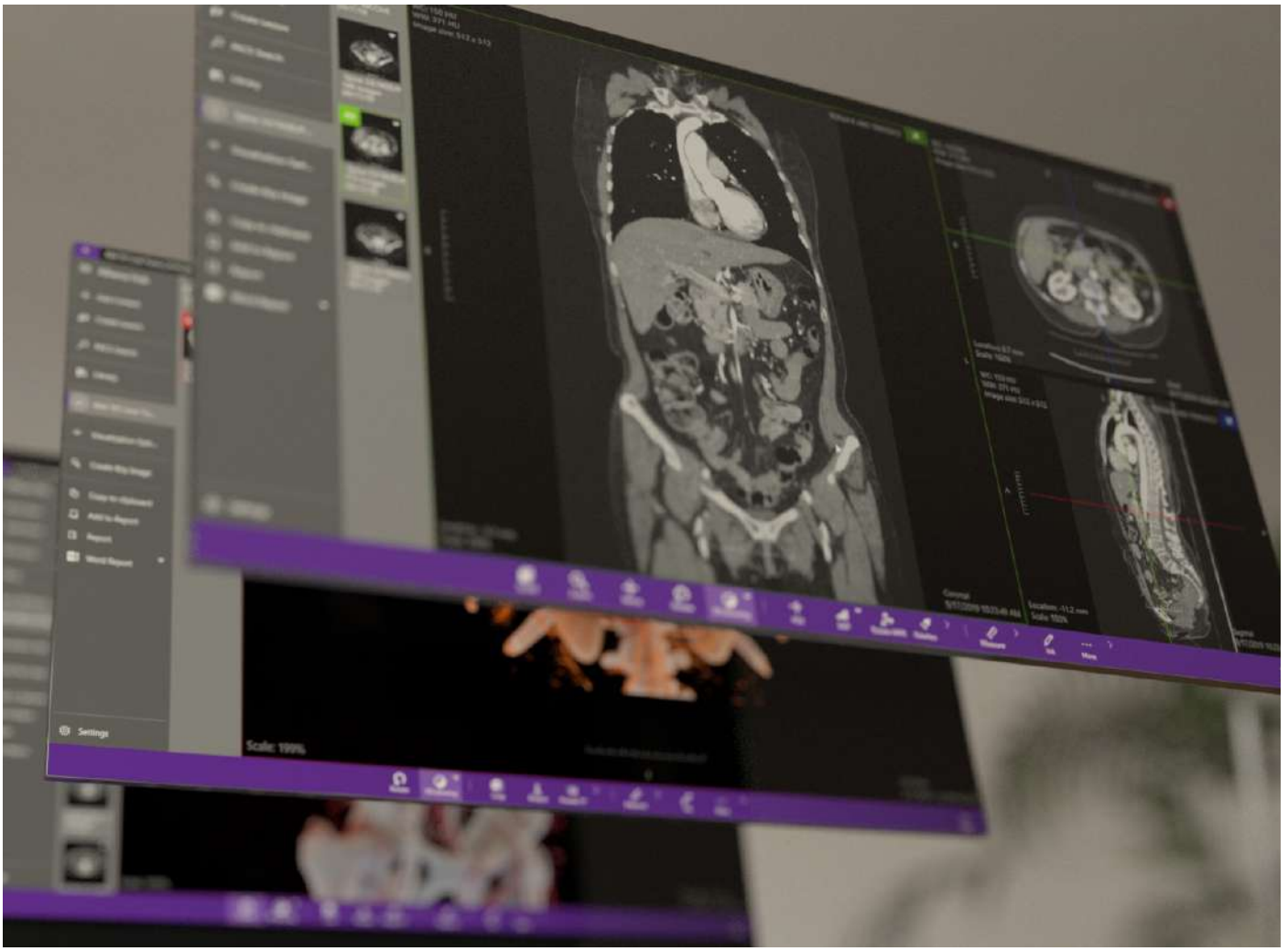
Puesto de trabajo radiológico

- *Integración con PACS*
- *Modo DICOM (CT, RM, US, etc.)*
- *Reconstrucción multiplanar 2D (MPR)*
- *MPR no ortogonal*
- *3D (volumétrico, iso-superficie, MIP, rayos X)*
- *Filtros de color (CLUT)*
- *Personalización de ventanas*
- *Notas completas*
- *Mediciones y etiquetado de columnas*
- *Informar e imprimir*
- *Comparte directamente en portapapeles*

Athena Hub funciona como una estación de trabajo de radiología, admite la mayoría de los datos de imágenes médicas y proporciona representaciones 3D interactivas de alta calidad. Ya sea que su propia exploración o uno de los casos de la biblioteca digital, Athena Hub es una estación de trabajo radiológica completa que puede ser manipulada de forma intuitiva. Las herramientas y ventanas avanzadas le permiten examinar imágenes de revisión de tejidos blandos o duros de forma tradicional en radiología. La estación de trabajo es útil para estudiar varios ejemplos patológicos o revisar exámenes de pacientes.

Este módulo es un potente sistema de visualización de imágenes DICOM con herramientas avanzadas para la manipulación de los estudios radiológicos y clínicos de los casos. Además, permite el acceso a la base de conocimientos Medical Harbour con centenas de estudios DICOM de humanos y más de 40.000 imágenes de tomografía computarizada, resonancia magnética, rayos X, entre otros. La instalación de este módulo ya incluye 3 estudios DICOM con casi 1,000 imágenes.

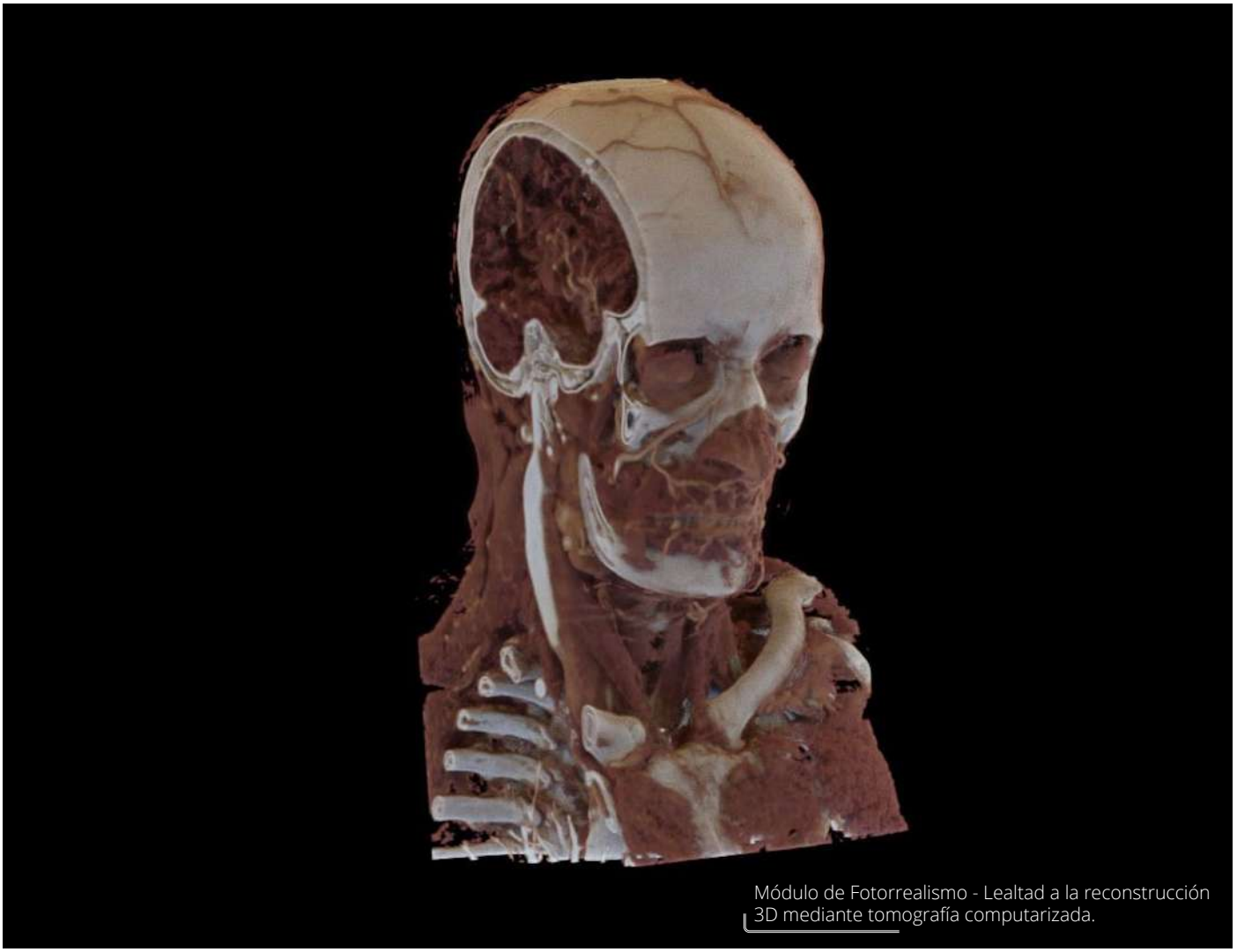
La instalación de este módulo ya incluye 3 estudios DICOM con casi 1,000 imágenes



Requisitos de hardware - Radiología

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
*Intel Core i5 de segunda generación o similar	* Tarjeta de video dedicada (2 GB)	*8 GB RAM

** O superior, recomendado para un mejor rendimiento.*



Módulo de Fotorrealismo - Lealtad a la reconstrucción 3D mediante tomografía computarizada.

Reconstrucciones 3D avanzadas

- *Reconstrucciones 3D fotorrealistas.*
- *Pantallas de colores realistas.*
- *Herramienta de disección*
- *Ajustes preestablecidos de ventana*
- *Aislar y ocultar opciones*
- *Notas completas y medidas*
- *Funciones de transferencia avanzadas*

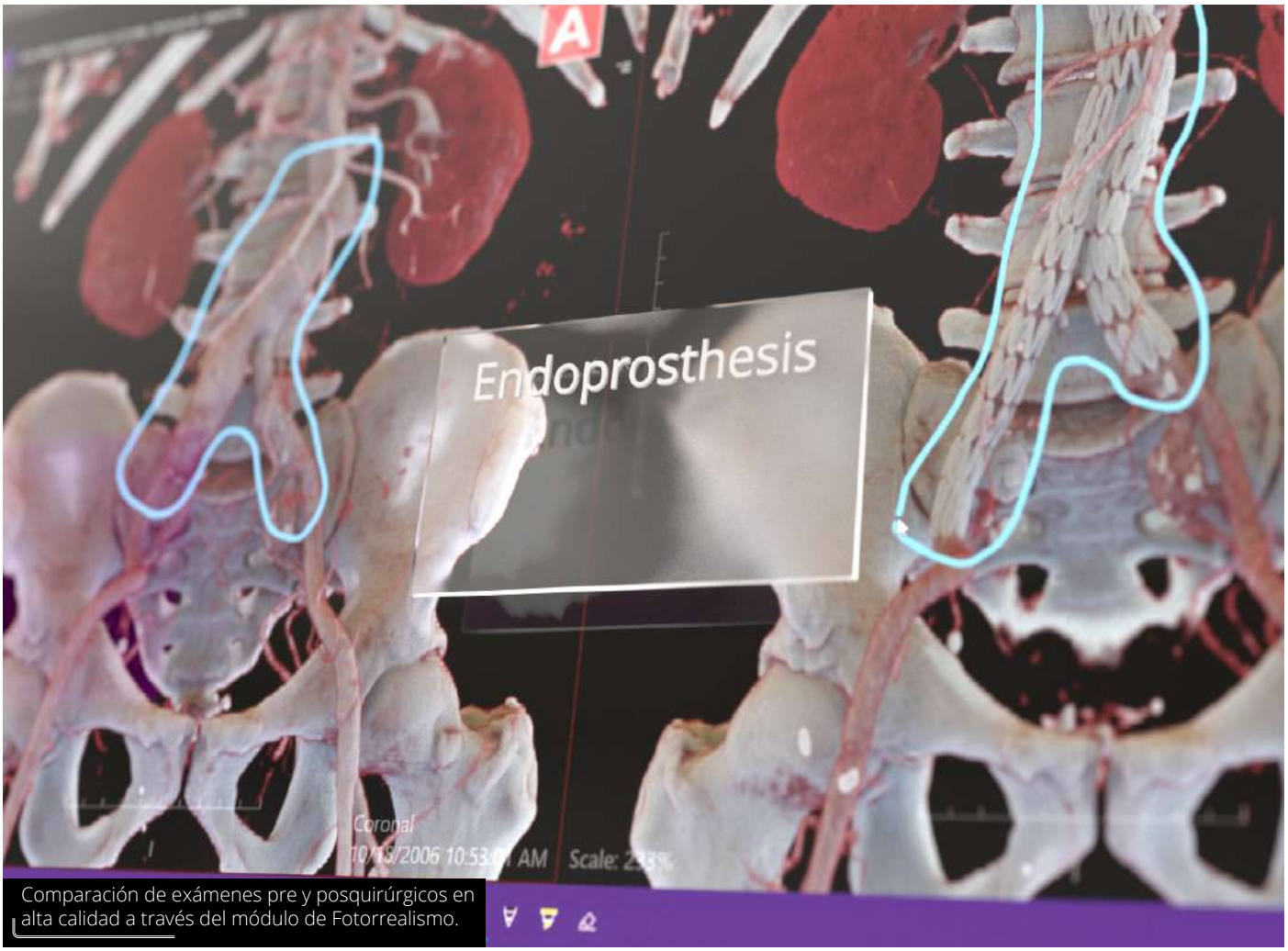
Una potente herramienta de reconstrucción volumétrica 3D para su uso en tomografías computarizadas. Cuenta con herramientas de manipulación, procesamiento y segmentación que permiten la disección tridimensional para visualizar los detalles del examen en cuestión.

Se trata de un módulo de reconstrucción volumétrica para estudios de tomografía computarizada DICOM. Fue desarrollado utilizando un algoritmo de procesamiento de 3D que produce una representación fotorrealista de imágenes tridimensionales, con una mayor percepción de la profundidad y la forma de representación de volumen 3D, la entrega de formas de imágenes médicas más detalladas y realistas. El módulo de Fotorrealismo se puede aplicar tanto en las clases como en análisis más profunda de imágenes que describen cada parte del cuerpo humano o animal, proporcionando una vista detallada de una parte del cuerpo vivo, sin la necesidad de cualquier procedimiento invasivo.

Requisitos de hardware - Fotorrealismo

Procesador	Tarjeta de video	Memoria
Intel Core i5 de segunda generación o similar	Tarjeta de video dedicada (2 GB)	4 GB RAM
*Intel Core i7 de segunda generación o similar	*NVIDIA Geforce GTX 1050 (2 GB)	*16 GB RAM

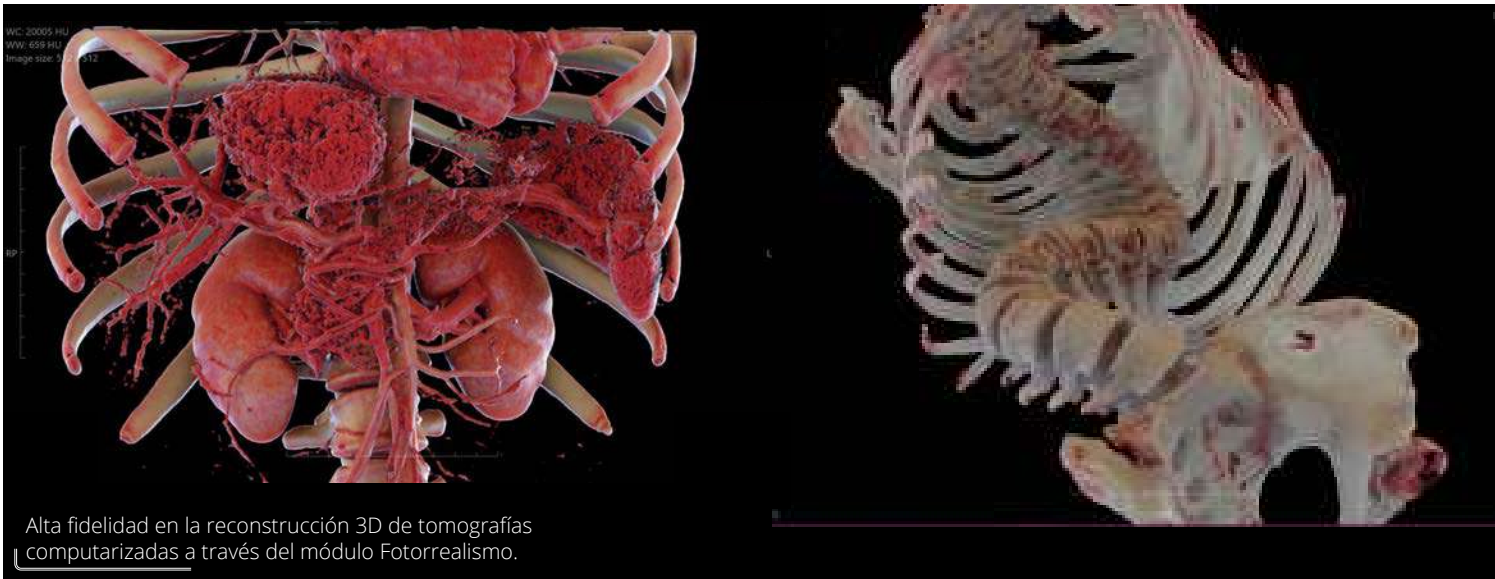
** O superior, recomendado para un mejor rendimiento.*



Comparación de exámenes pre y posquirúrgicos en alta calidad a través del módulo de Fotorrealismo.

Lista de funciones - Radiología y Fotorrealismo

	Maestro	Estudiante
Compatibilidad DICOM	Compatibilidad con las principales modalidades de imagen DICOM (tomografía computarizada, rayos X, resonancia magnética, ecografía, mamografía, angiografía y radiofluoroscopia).	
DICOM	Pantalla con información sobre el Etiquetas DICOM (TAG).	No disponible
Servidor PACS	Configuración del servidor PACS (WADO, HTTPS y recuperación automático).	
Visualización 2D	Posibilidad de visualizar imágenes DICOM 2D en los planos axial, sagital y coronal.	
Visualización 3D	Posibilidad de visualización de imágenes DICOM en 3D en el volumen, MIP, rayos X, y el modo Isosuperficie Fotorealismo (sólo tomografía computarizada y si el módulo el fotorrealismo está habilitado).	Posibilidad de visualizar imágenes DICOM en 3D en volumen y modo Fotorrealismo (solo Tomografía Computada y si el módulo de fotorrealismo está habilitado).
Herramientas de manipulación (3D)	Permite recortar el volumen en los planos.	
Reconstrucción multiplanar - MPR (solo vista 2D)	Le permite ver en 2D el corte del cuerpo humano en los planos axial, sagital y coronal simultáneamente.	
Girar MPR (solo vista 2D y MPR activo)	Le permite rotar el plano de reconstrucción MPR.	
Punto de interés: PDI (solo Visualización 2D y con MPR activo)	Le permite sincronizar las ventanas de vista previa en el punto seleccionado.	
Herramientas básicas	5 herramientas básicas (desplazarse, hacer zoom, mover, rotar y hacer ventanas)	
Herramientas avanzadas	3 herramientas avanzadas (de ventanas de preajuste personalizado, máximo / / proyección de intensidad medio mínimo, 16 paletas de colores).	
Herramientas de anotación y medición	9 herramientas de medida y anotación (regla, valor, flecha, elipse, rectángulo, polilínea, a pulso, angulares y de texto) con opciones de color personalizado.	
Herramientas de visualización 3D fotorrealista	Editor de funciones preestablecidas y de transferencia. Diseccionar la región seleccionada (aislar, ocultar, deshacer, rehacer y restablecer).	
DICOMización de archivos PDF y Word	Le permite convertir archivos PDF a formato DICOM y compartir informes y otra información.	
Exportar	Posibilidad de exportar una imagen en formatos DICOM y JPEG.	No disponible
Base de datos de imágenes Radiológico	Acceso a MHKB - Medical Harbor Knowledge Base con centenas de casos clínicos en humanos. Acceso a PetKB - Base de conocimientos sobre mascotas con 17 casos clínicos veterinarios. Acceso a SlidesKB - Base de conocimiento de portaobjetos con 211 portaobjetos de histología y patología.	



Alta fidelidad en la reconstrucción 3D de tomografías computarizadas a través del módulo Fotorrealismo.



Dr. José Generoso
Médico especialista en
simulación de salud.

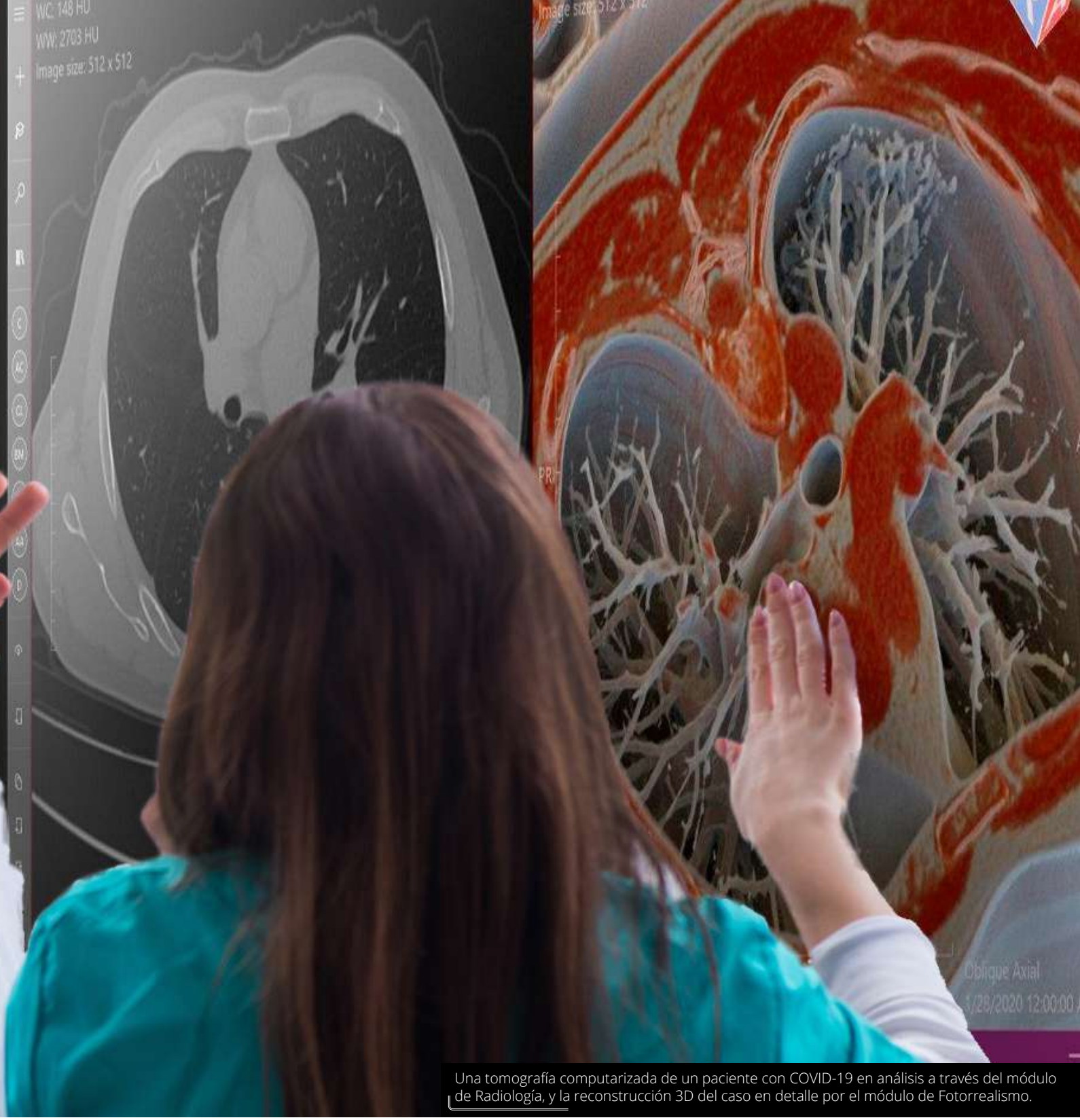
"Con Athena Hub tienes el mundo anatómico en tus manos, pudiendo aprender anatomía cómo, dónde y cuando quieras, de forma práctica y definitiva".

Alto grado de aceptación

• Una herramienta que permite a los estudiantes aprender de casos reales.

• Una interfaz que es intuitiva y permite la discusión en equipo.

• Una solución que lleva al estudiante desde el aprendizaje de anatomía hasta el desarrollo del pensamiento crítico en el entrenamiento clínico o en el laboratorio de simulación.

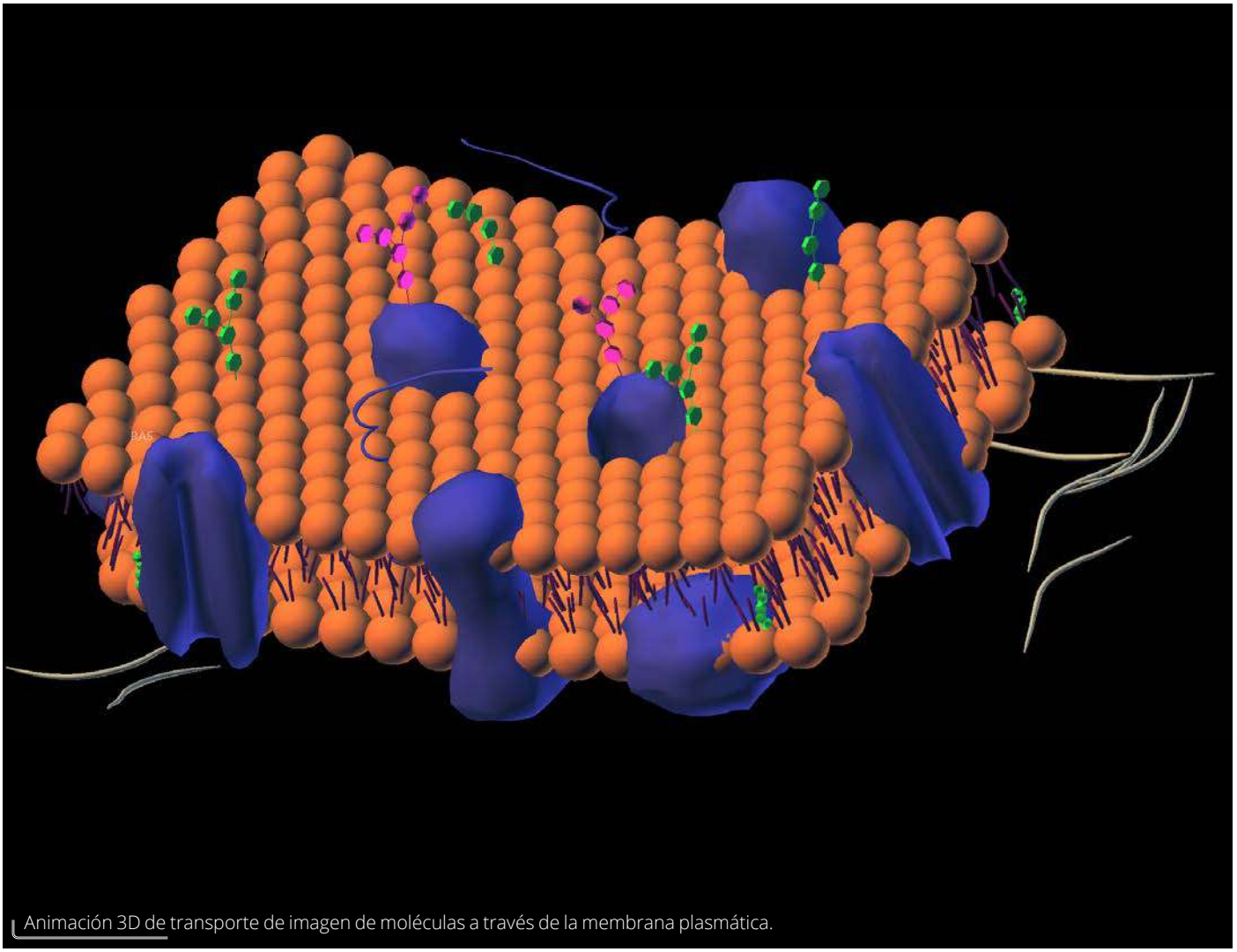


Una tomografía computarizada de un paciente con COVID-19 en análisis a través del módulo de Radiología, y la reconstrucción 3D del caso en detalle por el módulo de Fotorrealismo.

Athena Hub tiene herramientas para ver, manipular, compartir y almacenar imágenes médicas. Diseñado para estudiantes, médicos, clínicas, universidades, técnicos, escuelas e institutos de investigación. Para médicos, profesionales de la salud, clínicas y hospitales, es una herramienta poderosa para ayudar en el diagnóstico.



Citología

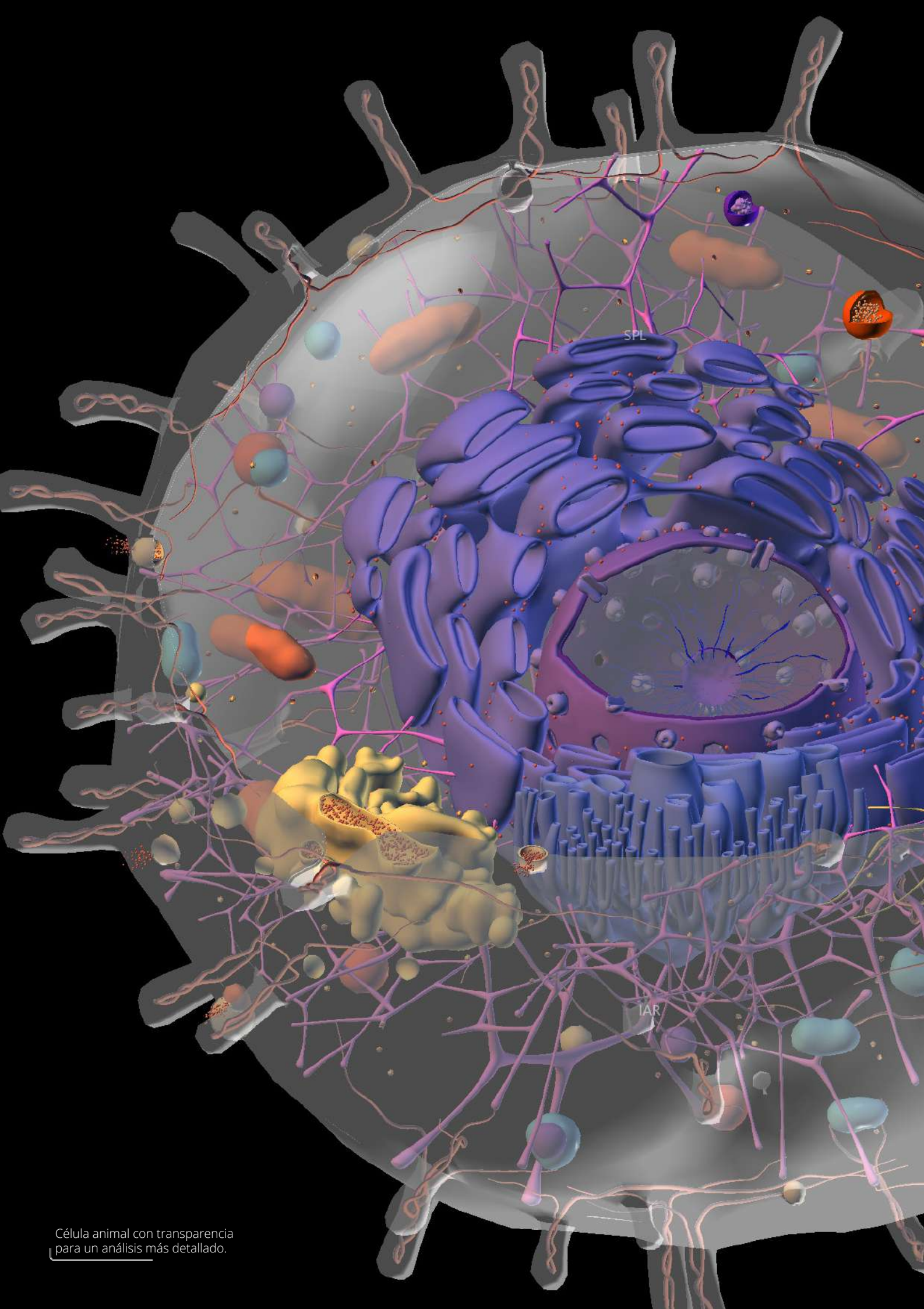


Animación 3D de transporte de imagen de moléculas a través de la membrana plasmática.

Membrana de plasma y orgánulos

- *Visualización de estructuras 3D*
- *Célula animal con 39 estructuras*
- *Mitocondrias con 8 estructuras*
- *Membrana de plasma con 12 estructuras*
- *Transmisión simple*
- *Difusión facilitada*
- *Bomba de sodio y potasio*
- *Co-transporte*
- *Mostrador de transporte*

El módulo de Citología permite al usuario visualizar e interactuar con tres modelos 3D relacionados con la Célula Eucariota de origen animal y con animaciones tridimensionales relacionadas con el transporte de moléculas a través de la membrana plasmática. Además, es posible visualizar la estructura de cada modelo con nomenclaturas en español, inglés y portugués.



Célula animal con transparencia para un análisis más detallado.

Lista de características - Citología

	Maestro	Estudiante
Célula eucariota	Atlas de citología con 3 modelos: célula animal (39 estructuras), mitocondrias (8 estructuras) y membrana plasmática (12 estructuras). Todos los modelos tienen nomenclaturas de estructura en español, inglés y portugués.	
Herramientas básicas	3 herramientas básicas (rotar, mover y hacer zoom)	
Atlas herramientas	5 herramientas de manipulación de atlas (aislar, hacer zoom, ocultar, desvanecer, organelo y mostrar todo)	
Hogar	Devuelve el modelo 3D a la posición inicial	
Menú del explorador	Menú con visualización de todas las estructuras celulares visibles.	
Selección múltiple	Le permite seleccionar múltiples estructuras celulares no anatómicas.	
Herramientas de anotación y medición	2 herramientas de anotación y medición (flecha y texto) con opciones de color personalizadas.	
Reproducir/Pausar	Rotación de objetos 3D con inicio / pausa y control de velocidad de rotación.	

Requisitos de hardware - Citología

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
*Intel Core i5 de segunda generación o similar		*8 GB RAM

** O superior, recomendado para un mejor rendimiento.*



Láminas*



Puerta objetos histológicos del cerebelo humano.

Puerta objetos histológicos*

• Herramienta de visualización y análisis de estructuras microscópicas

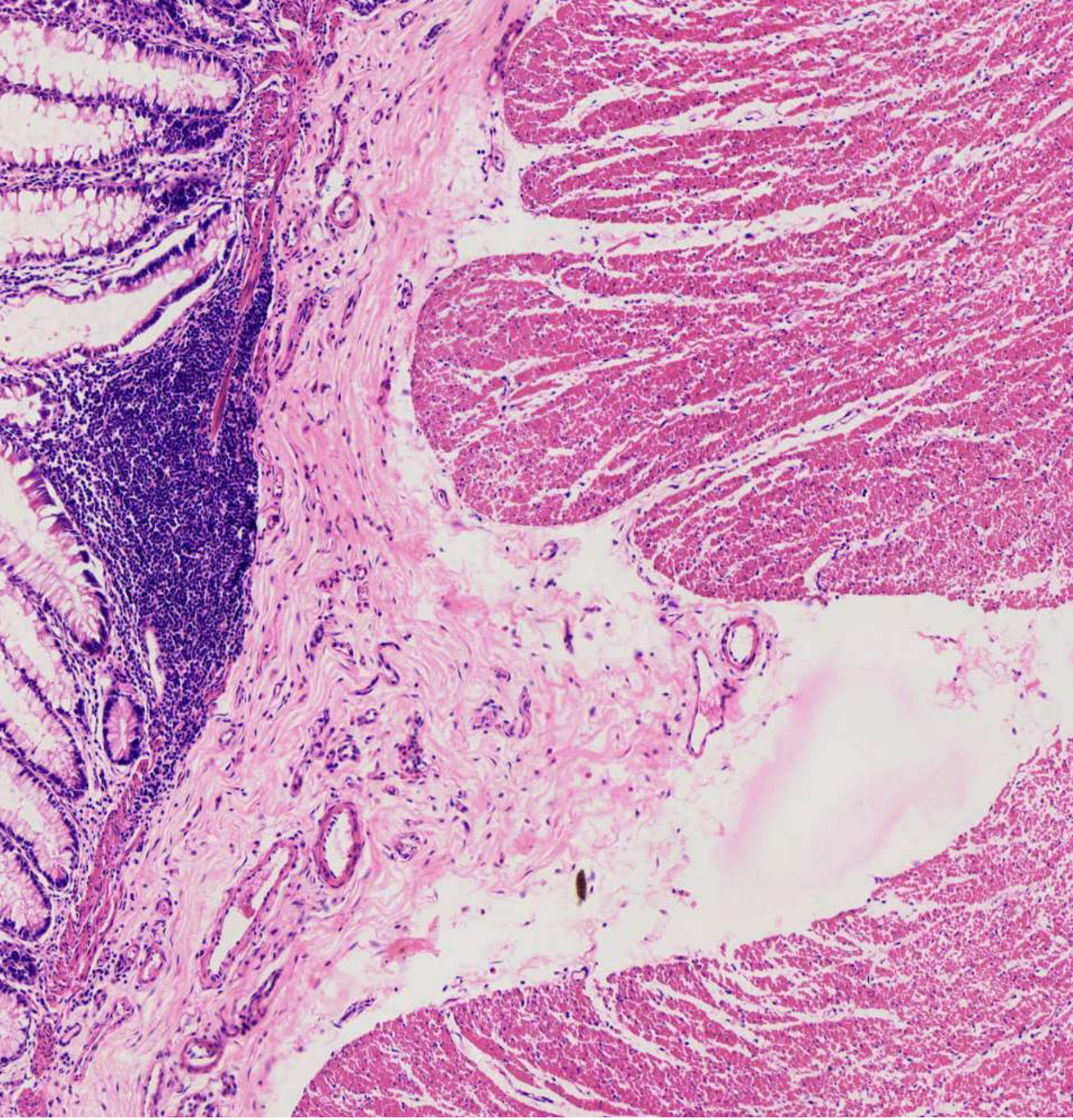
• Notas

• Láminas de glándulas, órganos, tejidos y sistemas

• Láminas con patologías

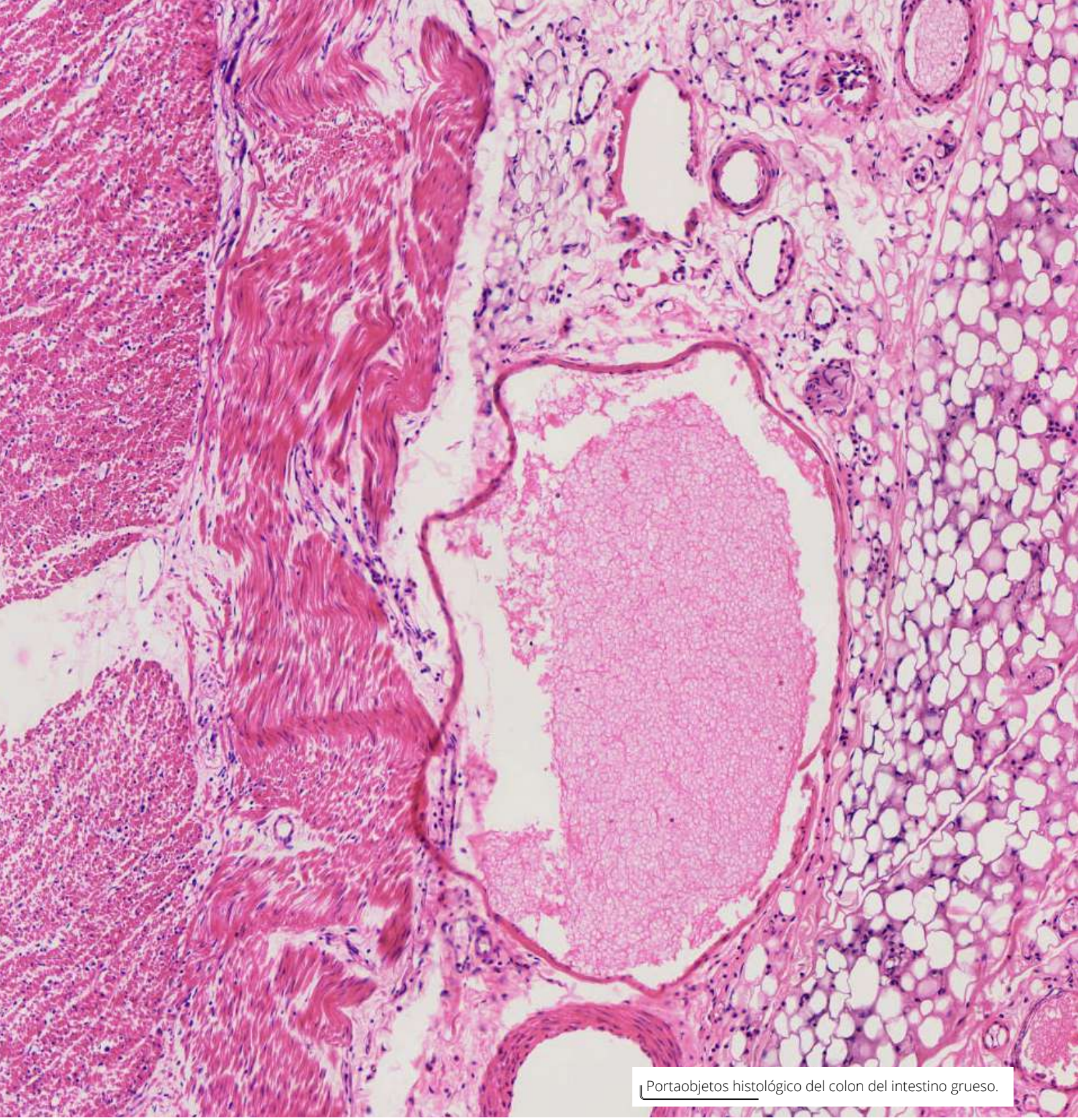
Es posible descargar las imágenes de diapositivas histológicas en formato JPEG (.jpeg) a través de MH PACS CLOUD solo con fines de demostración. Además, este módulo tiene una herramienta de anotación) con opciones de color personalizadas por el usuario.

** Para adquirir este módulo, consulte con nuestro equipo de ventas para obtener más información.*



Lista de características: Láminas

	Maestro	Estudiante
Herramientas de anotación y medidas		2 herramientas de anotación y medición (flecha y texto) con opciones de color personalizadas.



Portaobjetos histológico del colon del intestino grueso.

Requisitos de hardware: Láminas

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
*Intel Core i5 de segunda generación o similar		*8 GB RAM

** O superior, recomendado para un mejor rendimiento.*



¡Todo junto y más!

Abra distintos módulo al mismo tiempo. Esta característica mosaico es una gran herramienta para comparar y estudiar Atlas Anatómico, Cadaver virtual e imágenes médicas, con miras simultánea. Ver, manipular y comparar imágenes médicas con imágenes cuerpo real y 3D ilimitada Atlas anatómico.

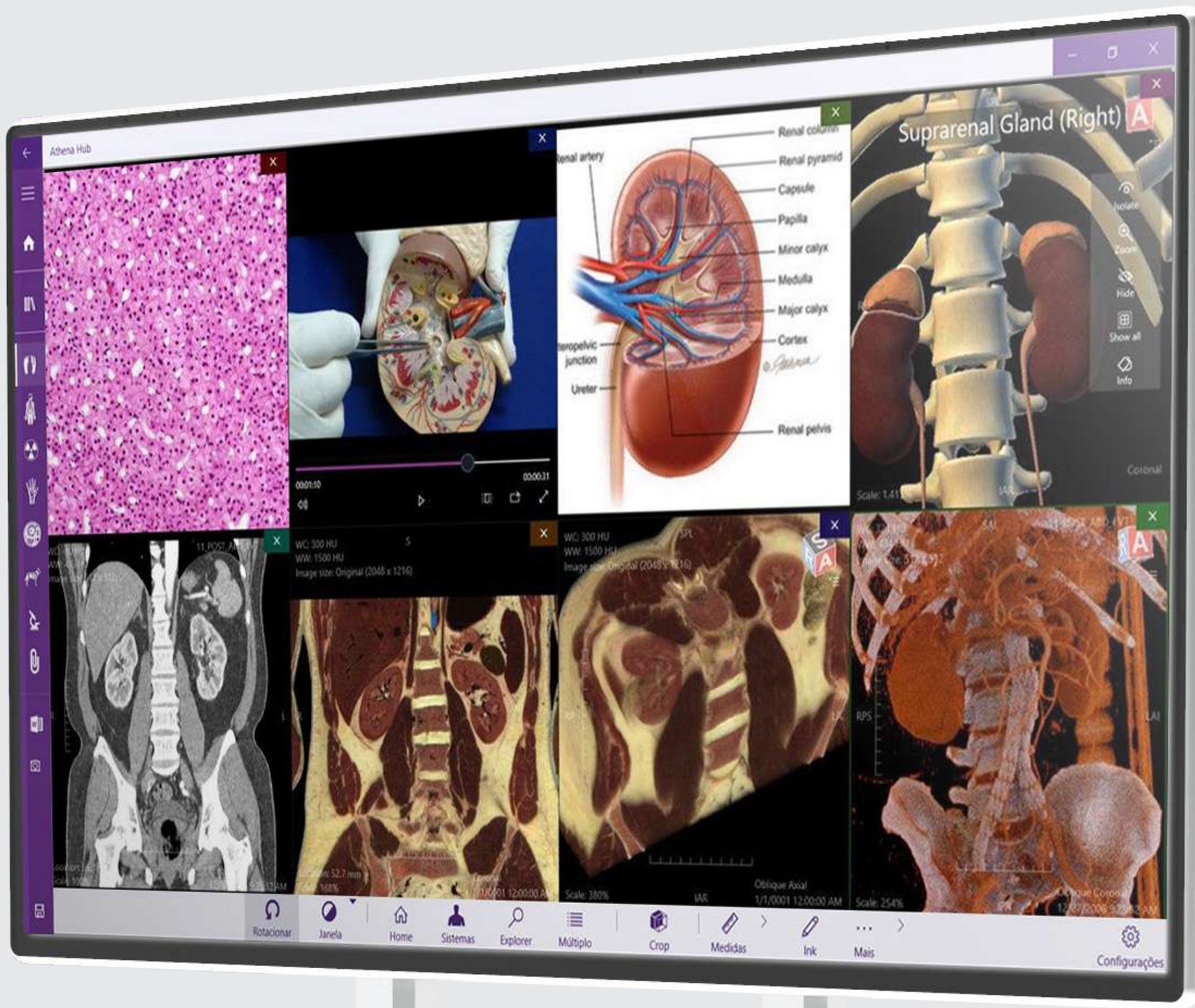
En la misma pantalla, usted tiene el control de todo tipo de estructuras anatómicas. En el modo de mosaico, se puede abrir y comparar simultáneamente Estudios DICOM, Fotorealismo, Atlas Anatómico, Cadaver virtual, Histología, videos, imágenes y mucho más para muchas aplicaciones. Utilizarlo en conferencias, aulas, laboratorio de anatomía, etc.

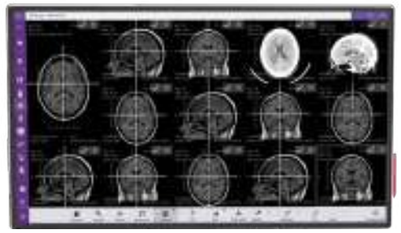
Formatos de archivo admitidos



El único sistema del mundo

con apertura simultánea





Casos clínicos

Cientos de casos clínicos en diferentes modalidades DICOM y patologías recopilados y clasificados están disponibles en la biblioteca digital de Athena Hub. Este módulo de biblioteca digital incluye más de 100 ejemplos de casos clínicos, permitiendo a los estudiantes no sólo la anatomía normal de disección general, sino también la patología en los exámenes de imágenes médicas, manipular y añadir notas.



Veterinário

Tomografía del arco dental de un leopardo. siendo presentado en una reconstrucción 3D.



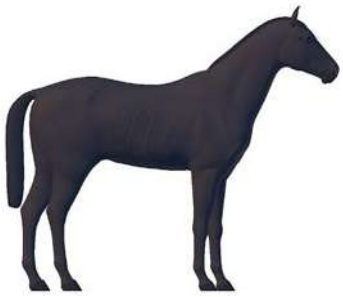
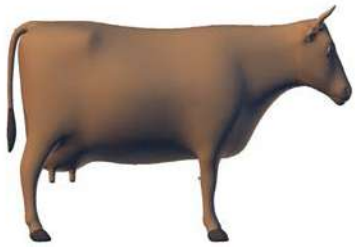
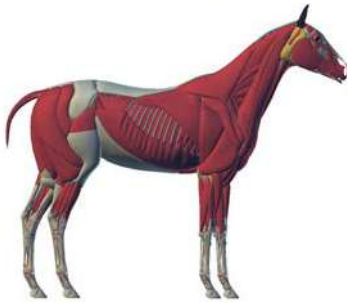
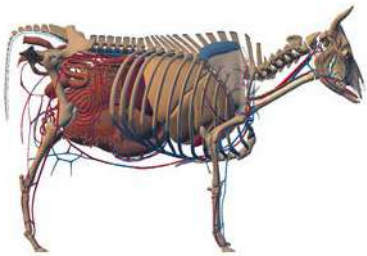
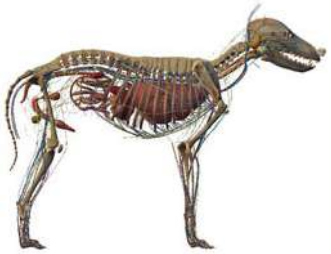
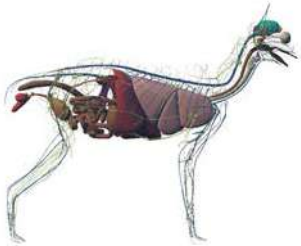
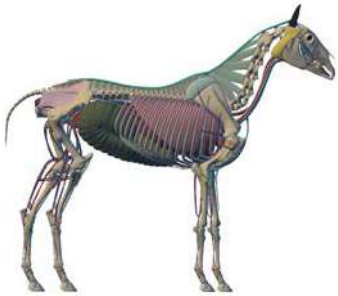
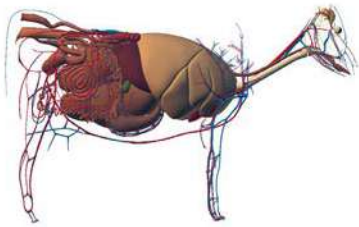
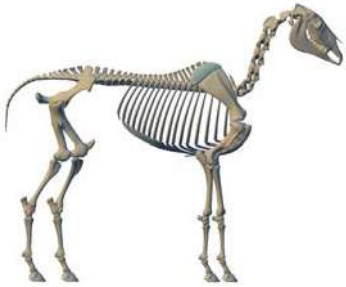
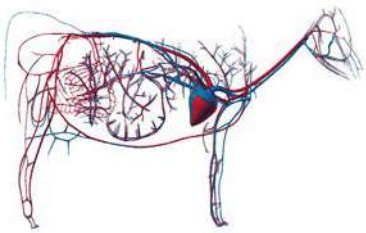
Tomografía de una cabeza de cocodrilo reconstruida en 3D - imagen disponible en nuestra base de imágenes.

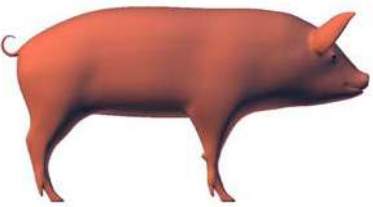
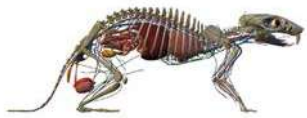
Todo en uno para veterinaria

- *Atlas anatómico de animales de 8 especies*
- *Todo etiquetado en detalle*
- *Modo DICOM (CT, RM, US, etc.)*
- *Integración PACS*
- *Reconstrucción multiplanar 2D (MPR)*
- *3D (volumétrico, iso-superficie, MIP, rayos X)*
- *Filtros de color (CLUT)*
- *Anotaciones y medidas completas*
- *Informar e imprimir*

El módulo de Veterinaria en Athena Hub es totalmente polivalente, incluye todas las herramientas para ver las imágenes radiológicas veterinarias de cualquier modalidad y también incluye el Atlas anatómico de 8 especies diferentes. Interactiva, versátil y con la visualización 3D, que tiene todas las estructuras del sistema de varios animales etiquetados y con un sistema de búsqueda avanzada. Efectivamente reemplaza modelos anatómicos y esqueléticos en clases y en el laboratorio. Pueden ser utilizados como una referencia cuando se habla de los casos, los planes quirúrgicos, y la realización de una clase de anatomía.

Atlas veterinario con 08 animales

Canino 3D	Felino 3D	Equino 3D	Bovino 3D
			
			
			
			

Cerdo 3D	Anuro 3D	Pájaro 3D	Roedor 3D
			
			
			
			

Lista de características - Veterinária

	Maestro	Estudiante
Atlas veterinario (8 animales)	**Canino** (perro y perra) con 1250 estructuras. **Felino** (gato y gato) con 1.050 estructuras. **Equino** (yegua) con 952 estructuras. **Pájaro** (pájaro) con 331 estructuras. **Cerdo** (cerda) con 257 estructuras. **Bovino** (vaca) con 563 estructuras. **Anuro** (rana macho y hembra) con 393 estructuras. **Roedor** (rato y rata) con 603 estructuras.	
Sistemas anatómicos del Atlas Veterinario	**Canino** tiene 10 sistemas anatómicos: tegumentario (2 estructuras), muscular (221 estructuras), esquelético (236 estructuras), articular (68 estructuras), nervioso (332 estructuras), linfático (112 estructuras), digestivo (34 estructuras), respiratorio (18 estructuras), circulatorio (184 estructuras) y urogenital (43 estructuras).	
	Felino tiene 10 sistemas anatómicos: tegumentario (4 estructuras), muscular (140 estructuras), esquelético (231 estructuras), articular (61 estructuras), nervioso (205 estructuras), linfático (101 estructuras), digestivo (31 estructuras), respiratorio (14 estructuras), circulatorio (225 estructuras) y urogenital (38 estructuras).	
	Equino tiene 9 sistemas anatómicos: tegumentario (11 estructuras), muscular (238 estructuras), esquelético (242 estructuras), articular (204 estructuras), nervioso (24 estructuras), digestivo (17 estructuras), respiratorio (10 estructuras), circulatorio (189 estructuras) y urogenital (17 estructuras).	
	Pájaro tiene 8 sistemas anatómicos: tegumentario (1 estructura), muscular (93 estructuras), esquelético (108 estructuras), nervioso (29 estructuras), digestivo (12 estructuras), respiratorio (14 estructuras), circulatorio (65 estructuras) y urogenital (9 estructuras).	
	Cerdo tiene 7 sistemas anatómicos: tegumentario (3 estructuras), esquelético (174 estructuras), nervioso (6 estructuras), digestivo (12 estructuras), respiratorio (10 estructuras), circulatorio (40 estructuras) y urogenital (11 estructuras).	
	Bovino tiene 7 sistemas anatómicos: tegumentario (1 estructura), esqueléticos (191 estructuras), nerviosos (33 estructuras), digestivos (23 estructuras), respiratorias (11 estructuras), circulatorio (290 estructuras) y urogenital (14 estructuras).	
	Anuro tiene 9 sistemas anatómicos: tegumentario (5 estructuras), musculares (90 estructuras), esqueléticos (139 estructuras), nerviosos (45 estructuras), linfáticos (11 estructuras), digestivos (10 estructuras), respiratorias (4 estructuras), circulatorio (74 estructuras) y urogenital (19 estructuras).	
	Roedor tiene 9 sistemas anatómicos: tegumentario (4 estructuras), muscular (134 estructuras), esquelético (251 estructuras), nervioso (58 estructuras), linfático (25 estructuras), digestivo (17 estructuras), respiratorio (11 estructuras), circulatorio (72 estructuras) y urogenital (31 estructuras).	
Herramientas básicas	3 herramientas básicas (rotar, mover y hacer zoom).	
Atlas herramientas	5 herramientas de manipulación de atlas (aislar, hacer zoom, ocultar, desvanecer, organizar y mostrar todo)	
Hogar	Devuelve el volumen 3D a la posición inicial.	
Menú del explorador	Menú con visualización de todas las estructuras anatómicas visibles.	
Selección múltiple	Le permite seleccionar múltiples estructuras anatómicas.	
Herramientas de anotación y medición	2 herramientas de anotación y medición (flecha y texto) con opciones de color personalizadas.	
Reproducir pausar	Rotación de objetos 3D con inicio / pausa y control de velocidad de rotación.	



Andressa Ramin
Estudiante de medicina veterinaria
UniEduK

"Soy muy sensible a aplicaciones como esta que ayudan a las personas con TDAH y dislexia a poder ver y aprender como otras personas!"

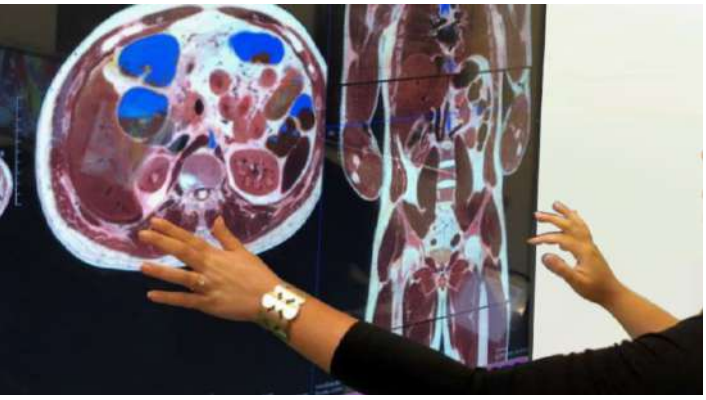
Reconstrucción por tomografía 3D
de la cabeza de un perro intubado

Hardware Requisitos- Veterinary

Procesador	Tarjeta de video	Memoria
Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
*Intel Core i5 de segunda generación o similar	Tarjeta de video dedicada (2 GB)	*8 GB RAM

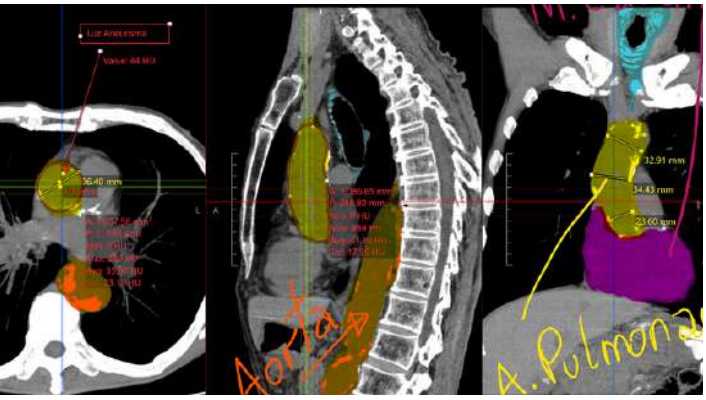
Imagen del modelo canino 3D, disponible en el módulo Veterinario.

Características generales de Athena Hub



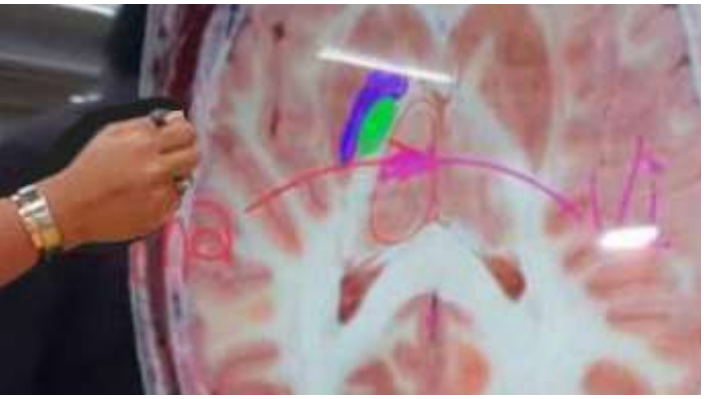
Interacción intuitiva

Todo lo que necesita a su alcance. Interactúe de forma natural con la pluma o gestos táctiles. Rollo, arrastrar, zoom, cortar, diseccionar y deslizar los dedos dentro de las estructuras. Se acorta la curva de aprendizaje y ayuda a que el usuario se sienta más cómodo con el software.



Notas y medidas

Athena Hub tiene su propio conjunto de herramientas de anotación - línea, flecha, ángulos, área, escala Hounsfield, formas (elipses, rectángulos), dibujo a mano alzada, y mucho más.



Generar contenido

Athena Hub incluye un lápiz compatible con Microsoft Ink, un poderoso conjunto de herramientas de dibujo y anotación con varios tipos de colores, tamaños y también una regla virtual para brindar al usuario la libertad de dibujar sobre las imágenes.

Controle de acceso

Sistema de control de acceso de perfil de usuario para separar clases y estudios de diferentes usuarios que interactúan con Athena Hub utilizando la misma máquina.



Asamblea de clases

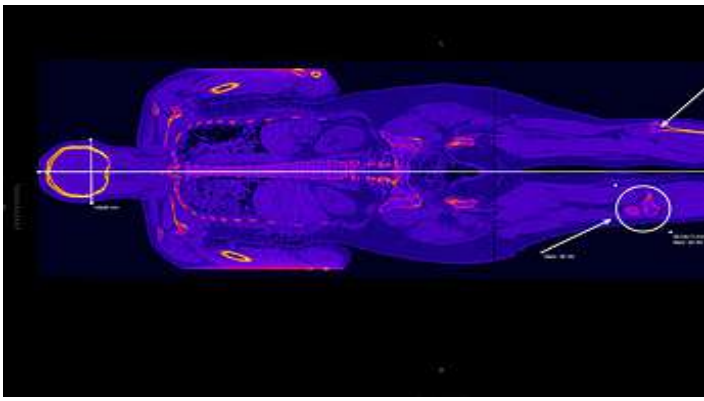
Capture imágenes clave, tome notas o cualquier consideración para una presentación posterior. Fácil creación de clases o casos, todas las clases creadas se envían automáticamente a nuestro servicio de almacenamiento Athena Hub *

*Contáctenos para conocer nuestros planes.plans.



Compartir contenido

Athena concentrador puede generar un informe completo en diversos formatos de documentos tales como nativo, PDF o DOC. El informe puede incluir todas las imágenes anotadas, junto con un encabezado de imagen y notas al pie, generadas automáticamente por el motor Athena Hub y pueden imprimirse, exportarse y compartirse.





Reconstrucción 3D de una tomografía para un análisis detallado.

Versiones para profesores y estudiantes

El sistema se puede ofrecer en dos versiones y la siguiente tabla muestra sus diferencias:

Funcionalidades	Maestro	Estudiante
Importación de imágenes DICOM (p. Ej., Modalidades TC, RM, EE. UU., MM)	✓	✓
Importar y administrar contenido (imágenes, videos y audio)	✓	–
Copiar al portapapeles (por ejemplo, compartir a través de WhatsApp)	✓	✓
Crear informes de Word	✓	✓
Anotaciones directamente en las imágenes (Ink)	✓	–
Ver opciones (Windows)	✓	✓
Guía rápida, manual de usuario y tutorial para usar dentro de la solución. Manual y videos en línea	✓	✓
Modo mosaico (visualización en varias pantallas)	✓	–
Perfiles de usuario (modo de administrador)	✓	–
Guardar estado del espacio de trabajo (guardar, editar y administrar la lista de espacios de trabajo)	✓	✓
Opciones de idioma (español, inglés y portugués)	✓	✓

Hardware Requisitos- Athena Hub

Requisitos	Procesador	Tarjeta de video	Memoria
Mínimo	Intel Core i3 de segunda generación o similar	Intel HD Graphics	4 GB RAM
Recomendado	Intel Core i5 de segunda generación o simila	Tarjeta de video dedicada (2GB) o superior	8 GB RAM or superior

Referencias bibliográficas

FCAT. Terminología anatómica, 1ª ed. FCAT (Comité Federativo de Terminología Anatómica) y SBA (Sociedad Brasileña de Anatomía). 2001.

FCAT. Terminología Anatómica, 1st ed. FCAT (Comité Federal del Terminología Anatómica) y SAE (Sociedad Anatómica Española). 2001. Disponible en: http://www.anato.cl/cccccAV1/TERMINOLOGIA_ANATOMICA_INTERNACIONAL.pdf

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Programa de Terminología Anatómica). 2019. Disponible en: https://fipat.library.dal.ca/TA2/

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SOBOTTA Atlas de Anatomía - Anatomía general y sistema musculoesquelético, 16ª edición. 2017.

SOBOTTA Atlas de anatomía: cabeza, cuello y neuroanatomía, 16ª edición. 2017.'

SOBOTTA Atlas de Anatomía - Órganos internos, 16ª edición. 2017.

ATHENA
HUB

Sitio web:

medicalharbour.com/athena-hub

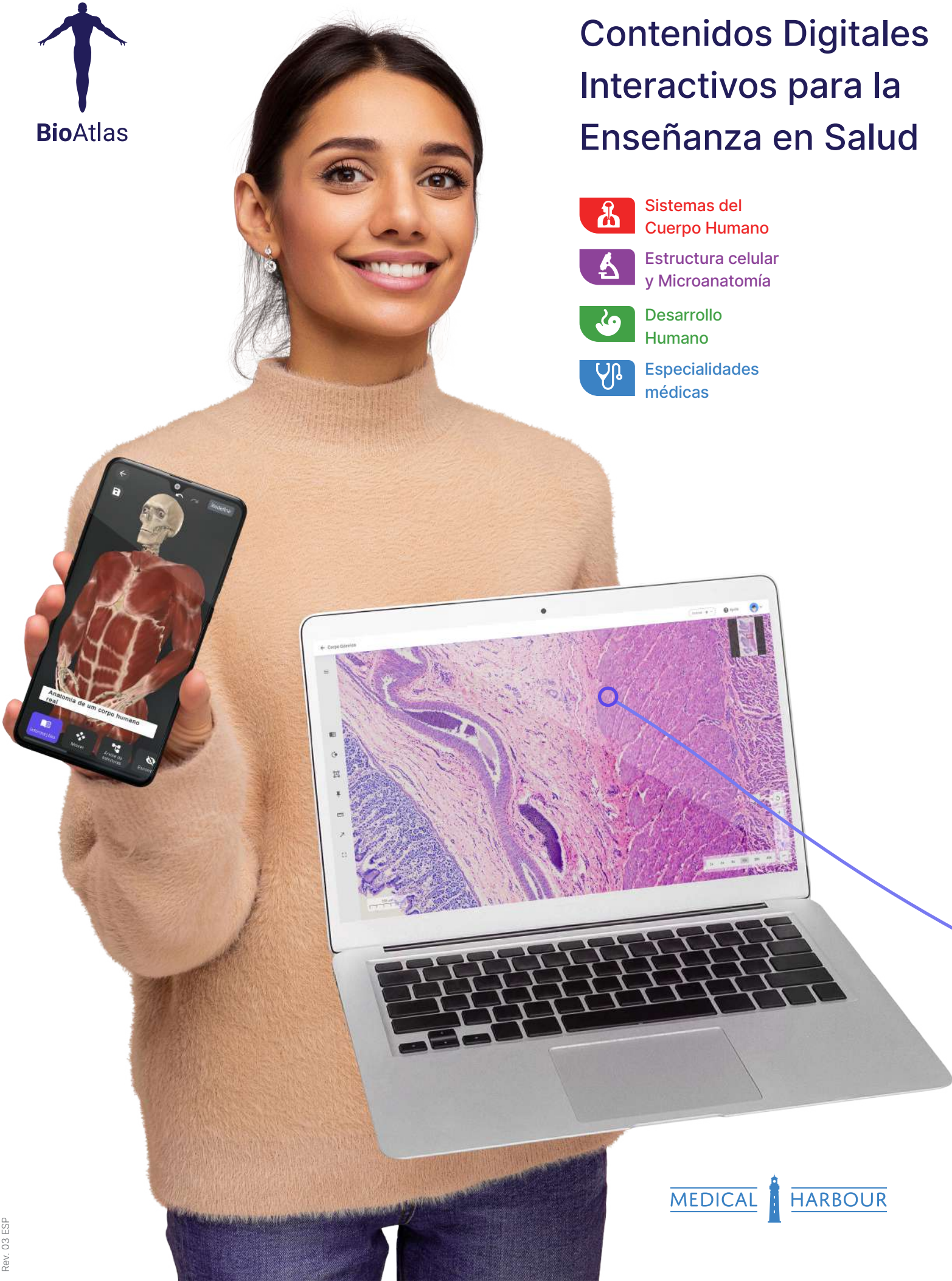
MEDICAL HARBOUR

Medical Harbour • Soluciones de imágenes médicas
Florianópolis | Santa Catarina | Brazil
Correo electrónico: sales@medicalharbour.com
Teléfone: +55 48 3028–1702
WhatsApp: +55 11 99136-0203

BioAtlas

Contenidos Digitales Interactivos para la Enseñanza en Salud

- Sistemas del Cuerpo Humano
- Estructura celular y Microanatomía
- Desarrollo Humano
- Especialidades médicas

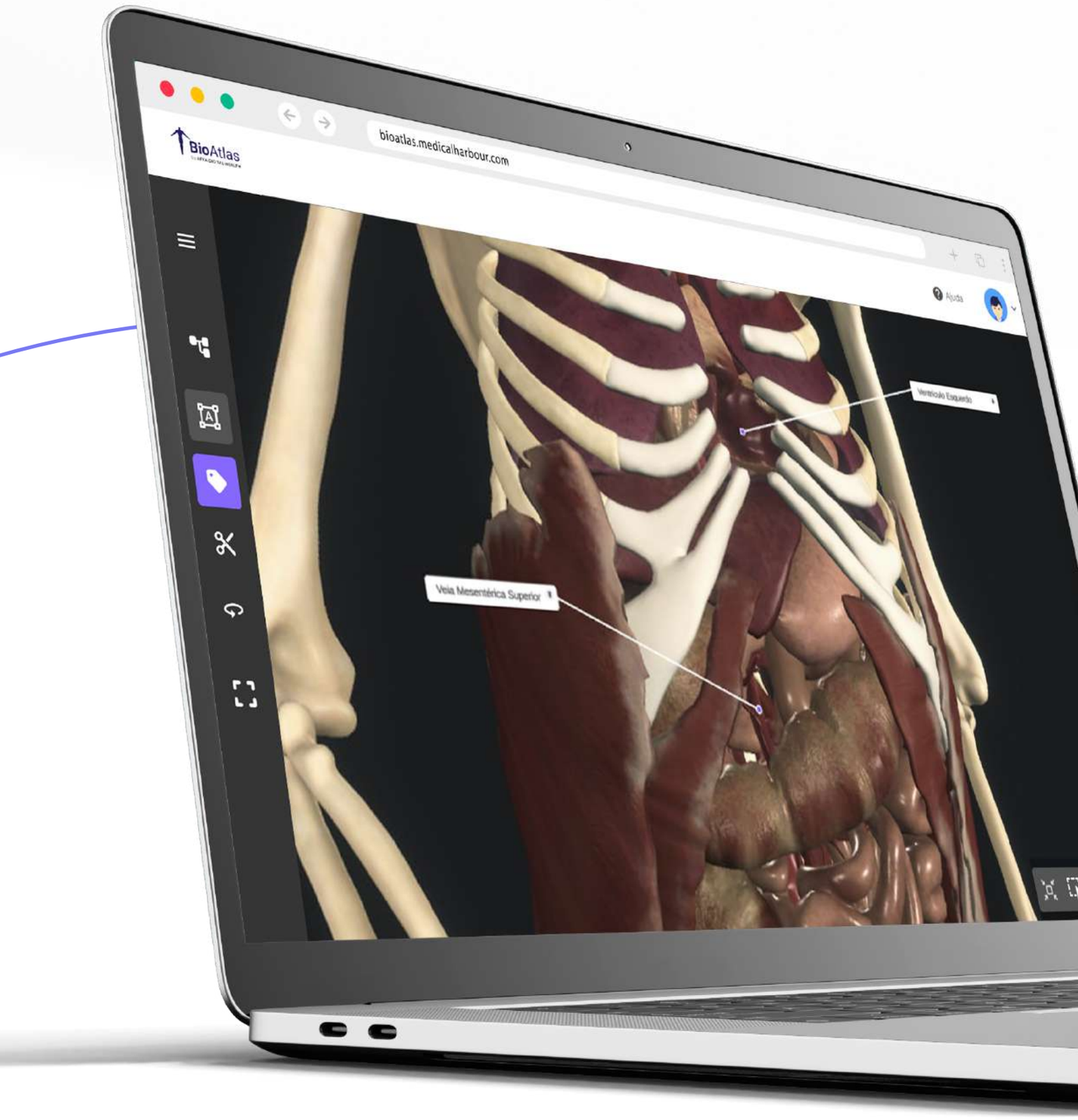


MEDICAL HARBOUR

Rev. 03 ESP

Explora el cuerpo humano en detalle a través de modelos virtuales 3D interactivos

BioAtlas te permite navegar por el cuerpo humano de forma completamente virtual. interactivo utilizando cualquier navegador Web o Smartphone.



Sin necesitar de complementos

No requiere instalación

Plataforma totalmente modular

Idiomas

Portugués
Terminología anatómica internacional de la SBA: Sociedad Brasileña de Anatomía

Español
TAP – Terminología Anatômica Panamericana

Inglés
Terminología anatómica internacional de FIPAT: La Internacional Federativa Programa de Terminología Anatómica

Accesso Multiplataforma

Acceso a través de cualquier navegador web, aplicación de Android o iOS, no requiere complementos, no requiere instalación

Control de Acceso

Active, controle y analice el acceso de docentes y estudiantes

Disponible en 3 idiomas

Contenido mapeado y traducido al portugués, español e inglés

Integración

Embárcate en nuestro contenido en su sitio web a través nuestra API

Animaciones 3D Interactiva

Contenido variado con animaciones 3D guiadas para fácil comprensión

Una herramienta multiplataforma para acceder a una Biblioteca Digital Interactiva de contenidos 3D para la Enseñanza en Salud

Móvil

Web Multiplataforma

BioAtlas es una solución que se adapta a varias herramientas tecnológicas del mercado y permite navegar a través de Contenidos Digitales Interactivos 3D para salud usando cualquier navegador web o aplicación móvil Android o iOS,



Enriquezca las clases con la biblioteca de contenido digital interactivo de BioAtlas

BioAtlas es una plataforma donde los estudiantes pueden interactuar con pacientes reales en un entorno virtual. El módulo BioAtlas Virtual Cadaver facilita la formación clínica con altos estándares de calidad, asegurando que la enseñanza de la Anatomía siempre se logrará. La integración con casos reales proporciona una mayor riqueza en formación y conocimiento clínico.

Los detalles y posibilidades de visualizar las estructuras y el rico contenido generan más interés y atención, llevando al estudiante a resultados educativos más efectivos. Miles de estructuras están meticulosamente segmentadas para proporcionar la anatomía 3D real más precisa en cualquier vista de módulo.

Contenidos

Sistemas del Cuerpo Humano

Topografía
Anatomía Sistémica
Anatomía Completa
Fisiología
Partes Anatomicas

Estructura Celular y Microanatomía

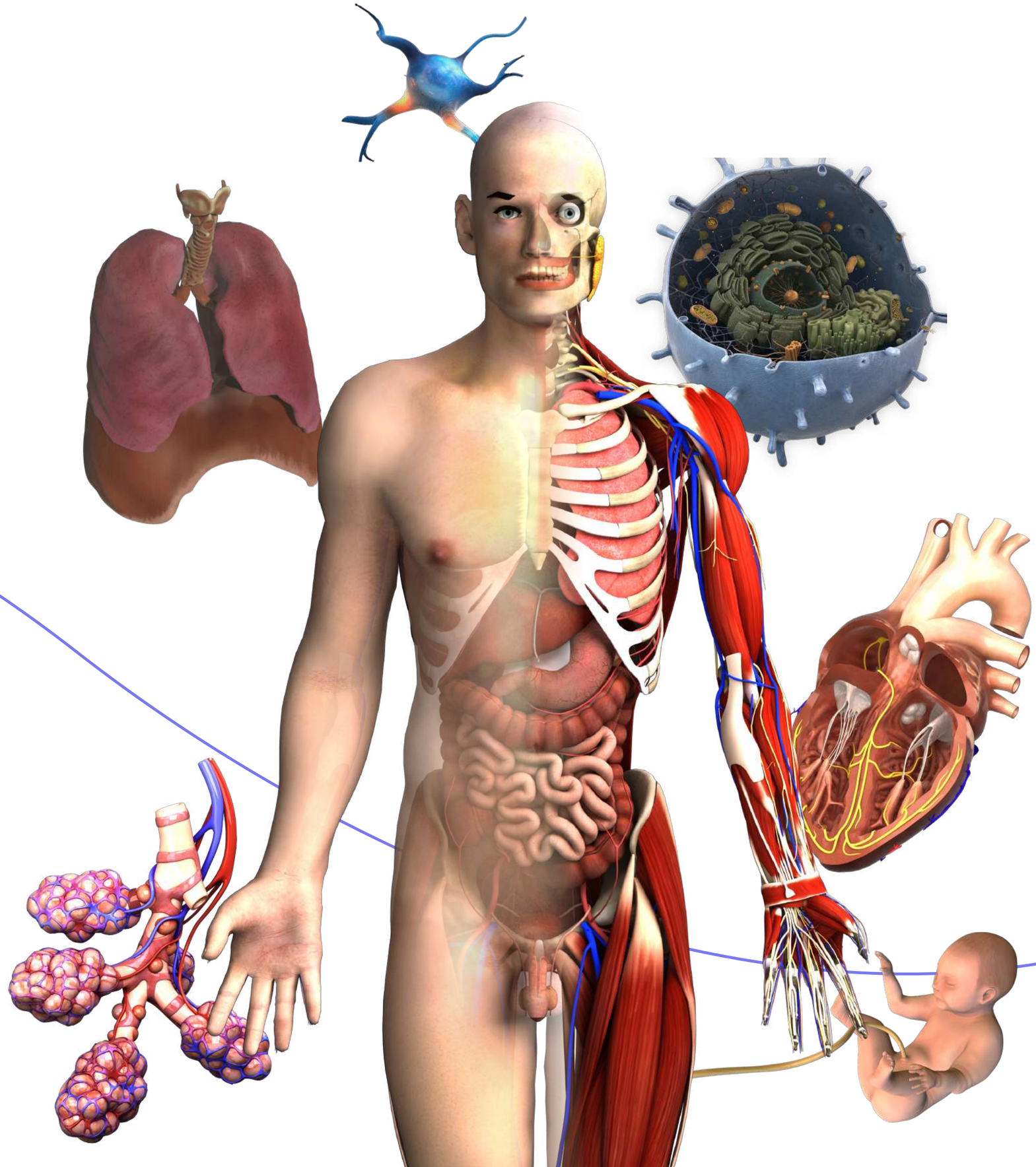
Histología
Transporte de membrana
Citología
Patología

Desarrollo Humano

Embriología

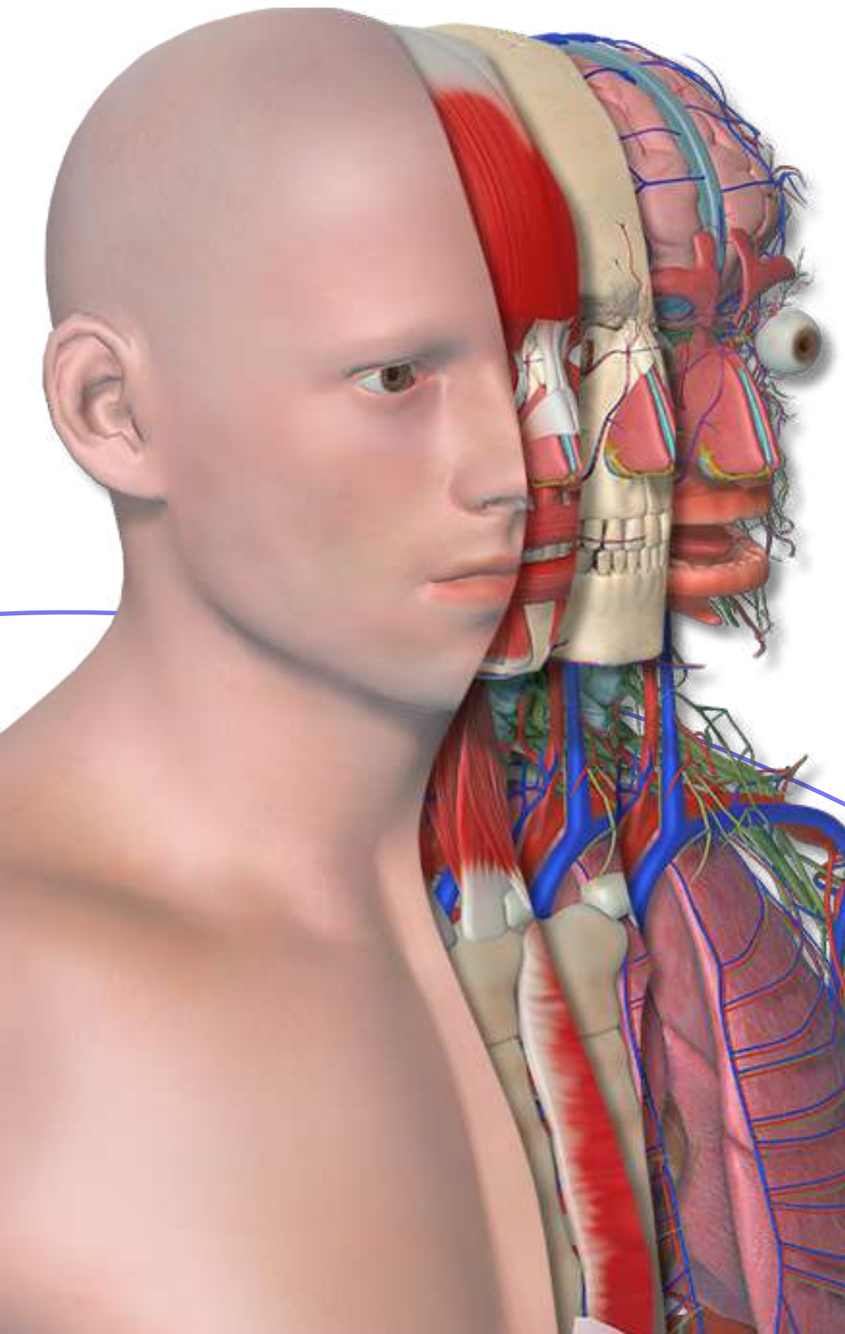
Especialidades Médicas

Radiología



Sistemas del Cuerpo Humano

Este combo está compuesto por los módulos Anatomía Topográfica, Anatomía Sistémica, Anatomía y Fisiología Completa. El contenido de los módulos. Anatomia Sistémica y Anatomia Completa se clasificaron en Atlas y Cadáver humano y virtual. En el módulo de Anatomía Topográfica los contenidos fueron categorizados sólo en Atlas Humano.



Anatomía Sistémica del Atlas Anatómico

Atlas Humano

El Atlas Humano dispone de un modelo 3D masculino y femenino con alrededor de 2400 objetos de todos los sistemas anatómicos del cuerpo humano etiquetados y con un avanzado sistema de organización. El atlas, que ha sido desarrollado con texturas de la más alta calidad, garantiza un impresionante conjunto de datos que pueden utilizarse como referencia a la hora de discutir un caso, un plan quirúrgico o una lección de anatomía. Esta categoría de contenidos está separada en modelos Masculinos y Femeninos y organizada según **Anatomía Sistémica**, **Regiones Topográficas**, **Anatomía Completa** y **Partes Anatómicas**:

Anatomía Sistémica

Masculino y femenino

Sistema tegumentario
Sistema muscular
Sistema esquelético
Sistema articular
Sistema nervioso
Sistema linfático
Sistema digestivo
Sistema respiratorio
Sistema arterial
Sistema venoso
Sistema endocrino
Sistema urogenital
Clasificación de los Huesos
Elementos Descriptivos del Esqueleto

Regiones Topográficas

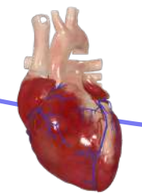
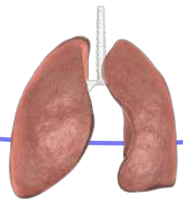
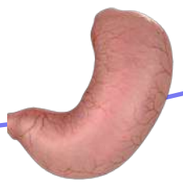
Compuesto por cabeza y cuello, miembro superior derecho, miembro superior izquierdo, espalda, tórax, abdomen, pelvis, miembro inferior derecho, membro inferior izquierdo.

Anatomía Completa

Formado por el cuerpo masculino con **260 objetos**. Para cada objeto anatómico es posible visualizar su nombre en **Portugués, Inglés** y **Español** según las Terminologías Anatómicas Internacionales. Además Además, también están disponibles los textos. descripciones de apoyo, en tres idiomas, de todos los sistemas anatómicos.

Anatomical Parts

Capas del Corazón
Circulación Coronaria
Grandes Vasos del Corazón
Superficies y Bordes del Corazón
Procesamiento del Lenguaje
Áreas Funcionales de la Corteza Cerebral
Cerebro Completo
Estructuras Cerebrales
Anatomía Dental
Arcada Dental
Ojo humano en Detalle
Ojo Humano - Sección Sagital
Elementos Descriptivos del Cráneo
Elementos Descriptivos del Esqueleto Axial
Elementos Descriptivos del Esqueleto Apendicular

Virtual Cadáver

Esta categoría de contenido presenta un modelo 3D de un Cadáver Virtual desarrollado con alrededor de 1800 imágenes reales del cuerpo humano (proyecto Humano Visible). Estas imágenes fueron segmentadas en objetos y tejidos, reconstruidos volumétricamente y elaborados para mantener las proporciones y texturas más fieles posibles de un cadáver humano.

Esta categoría de contenido presenta un modelo 3D del cuerpo humano masculino organizado según Systemic and Complete Anatomy.

Sistémica

Masculino

Sistema tegumentario
Sistema muscular
Sistema esquelético
Sistema articular
Sistema nervioso
Sistema linfático
Sistema digestivo
Sistema respiratorio
Sistema circulatorio
Sistema urogenital

Completa

Masculino

Cuerpo humano con más de 250 objetos

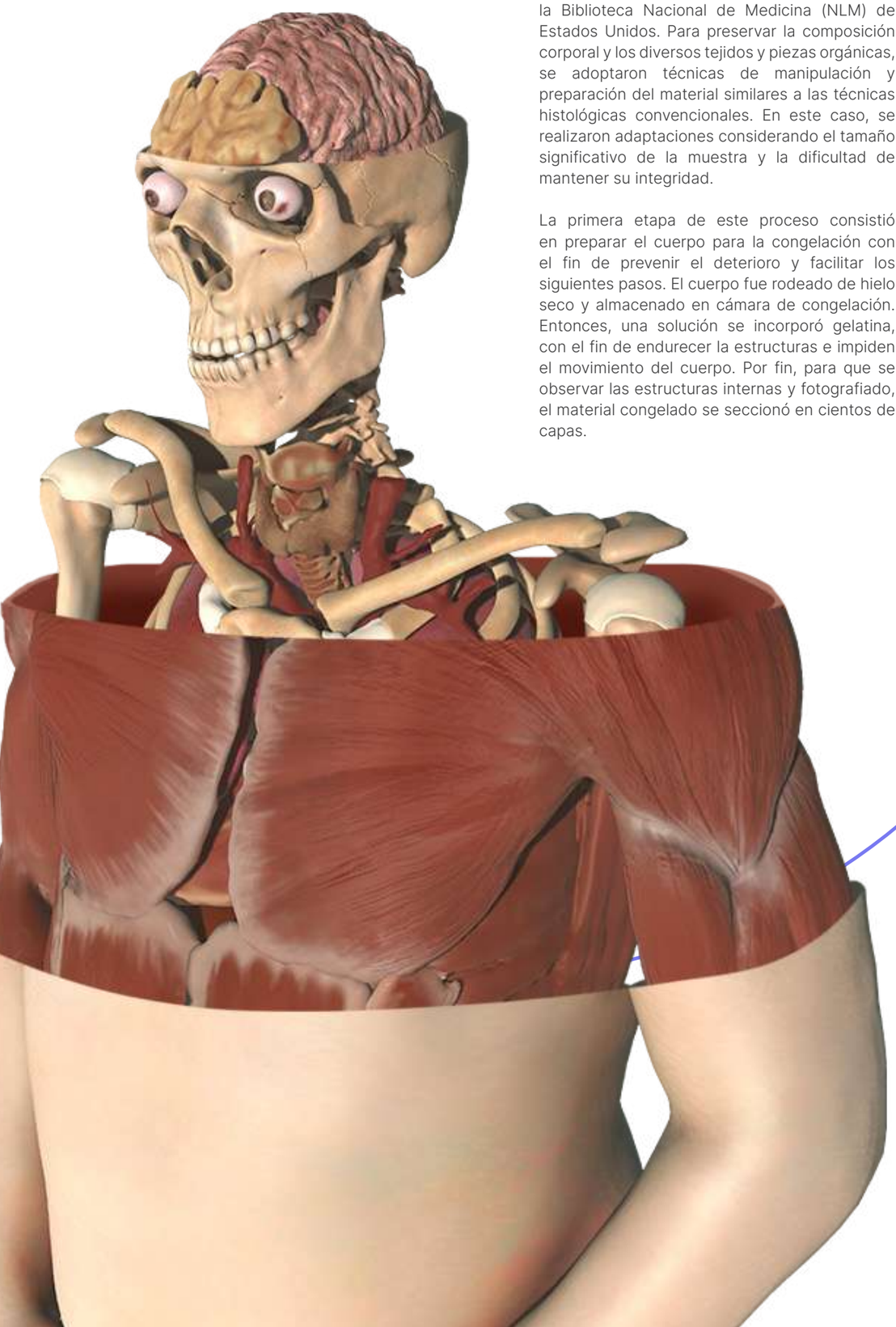






Para cada objeto anatómico es posible visualizar su nombre en **portugués, inglés** y **español**. Según las Terminologías Anatómicas Internacionales. Además, los textos descriptivos de apoyo también están disponibles, en tres idiomas, para todos los sistemas anatómicos.

Anatomia



Virtual Cadáver presenta la anatomía de un cuerpo humano masculino basado en imágenes de un cadáver real. Este proyecto, denominado “Visible Human Project”, fue desarrollado por la Biblioteca Nacional de Medicina (NLM) de Estados Unidos. Para preservar la composición corporal y los diversos tejidos y piezas orgánicas, se adoptaron técnicas de manipulación y preparación del material similares a las técnicas histológicas convencionales. En este caso, se realizaron adaptaciones considerando el tamaño significativo de la muestra y la dificultad de mantener su integridad.

La primera etapa de este proceso consistió en preparar el cuerpo para la congelación con el fin de prevenir el deterioro y facilitar los siguientes pasos. El cuerpo fue rodeado de hielo seco y almacenado en cámara de congelación. Entonces, una solución se incorporó gelatina, con el fin de endurecer la estructuras e impiden el movimiento del cuerpo. Por fin, para que se observar las estructuras internas y fotografiado, el material congelado se seccionó en cientos de capas.

Fisiología

Homeostasis y Control

La categoría Homeostasis y Control ofrece a los usuarios la posibilidad de navegar e interactuar con once modelos 3D, que contienen diversos objetos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Además, para facilitar el aprendizaje y el estudio, estos contenidos cuentan con textos descriptivos de apoyo, divididos en una o más escenas, en los tres idiomas. Los contenidos de esta categoría son:

Funciones de las Hormonas Tiroideas

Síntesis y Secreción de las Hormonas Tiroideas

Control de la Hiperglucemia - Insulina

Control de la Hipoglucemia - Glucagón

Secreción de Insulina

Secreción de Glucagón

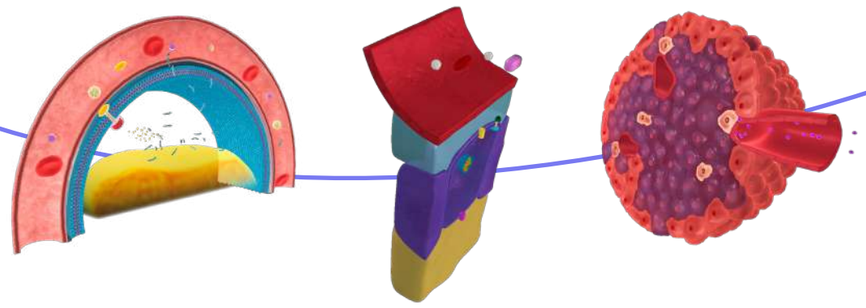
Acción de la Insulina en Células Musculares

Acción del Glucagón en Células Musculares

Acción de la Insulina en los Hepatocitos

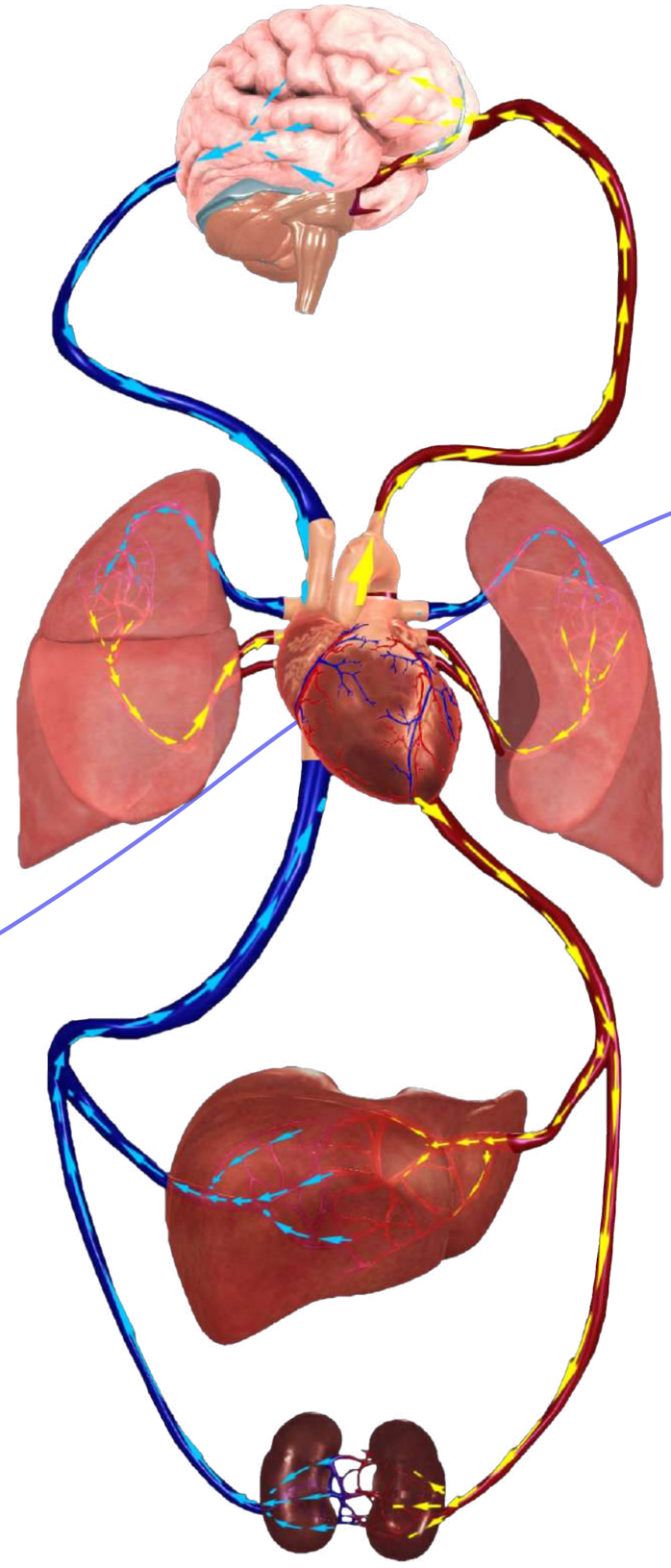
Acción del Glucagón en los Hepatocitos

Acción de la Insulina en los Adipocitos



Imágenes del Módulo de Fisiología

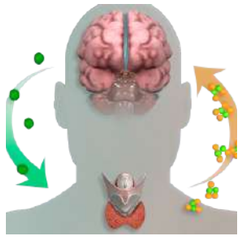
Imagen del Módulo de Fisiología



Fisiología

Processos Funcionais

La categoría Procesos funcionales permite al usuario visualizar e interactuar con nueve contenidos interactivos en 3D:

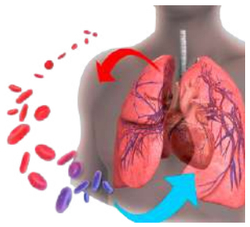


Mecanismo de Retroalimentación

Este contenido tiene 1 modelo estático y 2 modelos 3D animados:

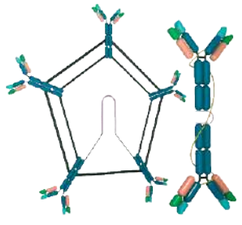
Modelo estático	Modelo animados
Hormonas	Cerebro
	Útero

Además, puedes visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. También, para facilitar el aprendizaje y el estudio, este contenido ha sido dividido en 2 escenas con textos descriptivos de apoyo en los tres idiomas.



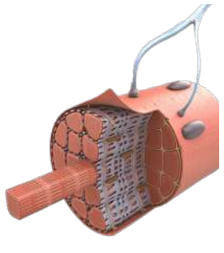
Circulación Pulmonar y Sistémica

El contenido de Circulación Pulmonar y Sistémica tiene 1 modelo 3D estático del sistema cardiovascular. También es posible visualizar cada objeto en los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Este contenido ha sido dividido en 3 escenas con textos descriptivos de apoyo en los tres idiomas, con el objetivo de facilitar la aprendizaje y el estudio.



Anticuerpos: Clases y Funciones

Este contenido tiene 1 modelo 3D estático que incluye las 5 clases de inmunoglobulinas. También es posible visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Para facilitar el aprendizaje y el estudio, este contenido tiene un texto descriptivo de apoyo en los tres idiomas.



Contracción de las Fibras Musculares

El contenido de Contracción de las Fibras Musculares tiene 1 modelo 3D estático y 2 modelos animados:

Modelo estático	Modelo animados
Músculo esquelético em detalle	Fibra muscular
	Sarcómeros

En este contenido puede visualizar cada objeto del modelo con nomenclaturas en **Portugués**, **Inglés** y **Español**. Además, para facilitar el aprendizaje y el estudio, este contenido fue dividido en 4 escenas con textos descriptivos de apoyo en los tres idiomas.

Generación y Conducción de Potencial Acción

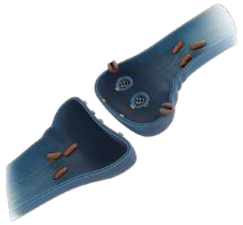


Este contenido tiene 1 modelo estático y 2 modelos 3D animados:

Modelo estático	Modelos animados
Neurona	Neurona
	Membrana plasmática

Además, es posible visualizar cada objeto en los modelos con nomenclatura en **Portugués**, **Inglés** y **Español**. Este contenido ha sido dividido en 4 escenas con textos descriptivos de apoyo en los tres idiomas, con el objetivo de facilitar el aprendizaje y el estudio.

Transmisión Sináptica

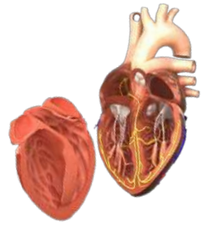


El contenido de Transmisión Sináptica tiene 2 modelos 3D estáticos y 1 modelo 3D animado:

Modelos estáticos	Modelo animado
Neurona	Membrana sináptica
Espacio sináptico	

También es posible visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Para facilitar el aprendizaje y el estudio, este contenido fue dividido en 3 escenas con textos descriptivos de apoyo en los tres idiomas.

Ciclo Cardíaco del Corazón Humano



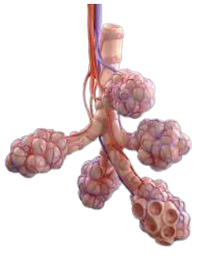
Este contenido tiene 1 modelo 3D animado de la anatomía interna del corazón humano. Además, puedes visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Este contenido ha sido dividido en 7 escenas con textos descriptivos de apoyo en los tres idiomas, con el objetivo de facilitar el aprendizaje y el estudio.

Ventilación Pulmonar



El contenido de Ventilación Pulmonar possui 1 modelo 3D animado de la caja torácica com más de 100 objetos. En este contenido puede visualizar cada objeto del modelo con nomenclaturas en **Portugués**, **Inglés** y **Español**. Además, para facilitar el aprendizaje y el estudio, este contenido cuenta con un texto descriptivo de apoyo en los tres idiomas.

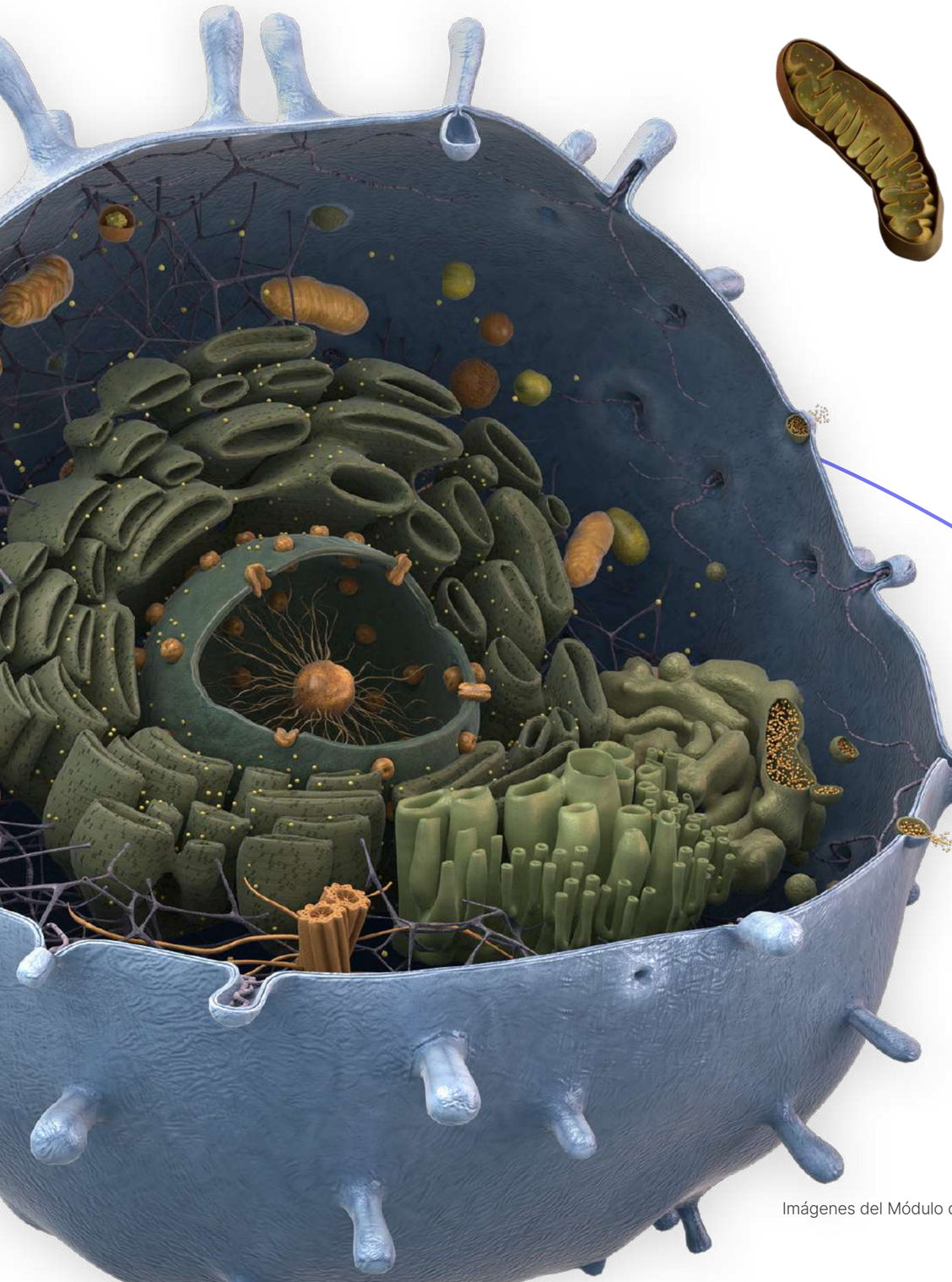
Hematosis



Este contenido tiene 3 modelos 3D animados, a saber, el sistema respiratorio, los alvéolos pulmonares y la membrana alveolocapilar. También es posible visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**. Además, para facilitar el aprendizaje y el estudio, este contenido fue dividido en 5 escenas con textos descriptivos en los tres idiomas.

Estructura Celular y Microanatomía

El combo de Estructura Celular y Microanatomía está compuesto por módulos de Citología, Histología y Patología.



Imágenes del Módulo de Citología

Citología

El módulo de Citología se divide en 2 categorías: Células y Membrana Celular.

Células
Esta categoría del módulo permite al usuario navegar e interactuar con 11 tipos de células 3D:

Virus

Célula Bacteriana

Célula Animal

Células del Sistema Inmunitario

Neurona

Célula Adiposa

Sistema ABO

Células Sanguíneas

Fibra Muscular

Islotes de Langerhans - Páncreas Endocrino

Folículo Tiroidieo

Puede visualizar cada objeto de los modelos con nomenclaturas en **Portugués**, **Inglés** y **Español**, así como los textos descriptivos de apoyo.

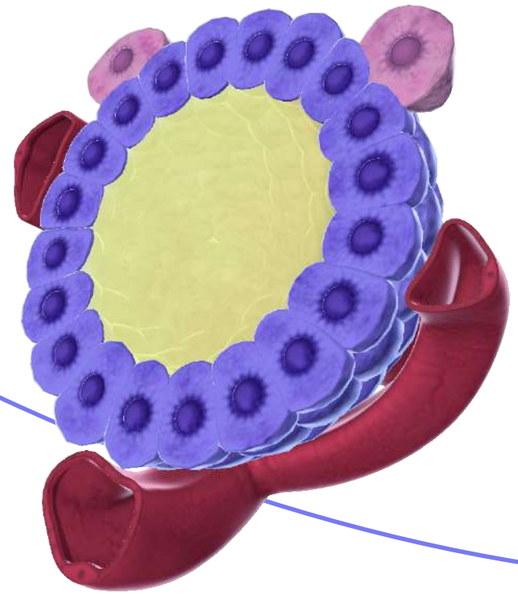


Imagen del Módulo de Citología

Citología

Membrana Celular

La categoría Membrana Celular permite al usuario visualizar e interactuar con 5 animaciones 3D relacionadas con el transporte de sustancias a través de la Membrana Celular de una Célula Eucariota, 2 relacionadas con el Transporte Pasivo y las otras 3 animaciones relacionadas con el Transporte Activo (primario y secundario):

Transporte Activo Primario - Bomba de Sodio-Potasio

Transporte Activo Secundario - Contratransporte

Transporte Activo Secundario - Cotransporte

Transporte Pasivo - Difusión Facilitada

Transporte Pasivo - Difusión Simple

También puede ver el nombre de cada objeto en **Portugués**, **Inglés** e **Español**. Además, hay textos descriptivos de apoyo en los tres idiomas para cada tipo de transporte pasivo y activo.

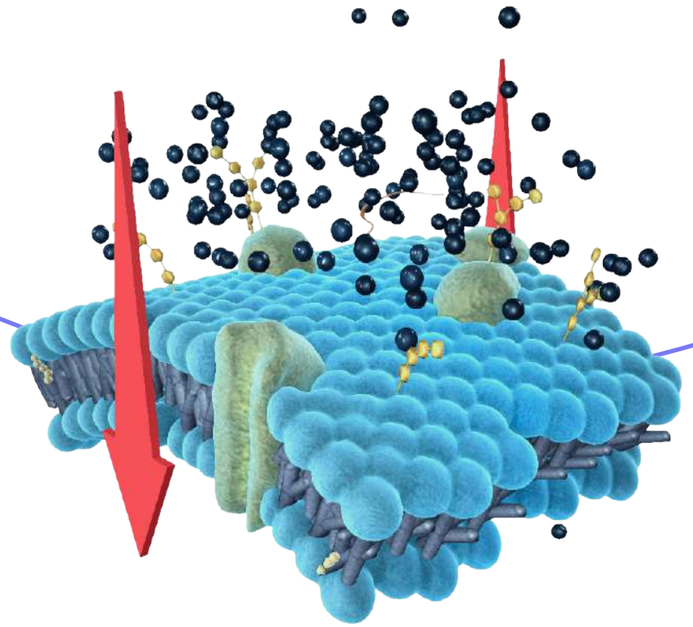


Imagen del Módulo de Citología

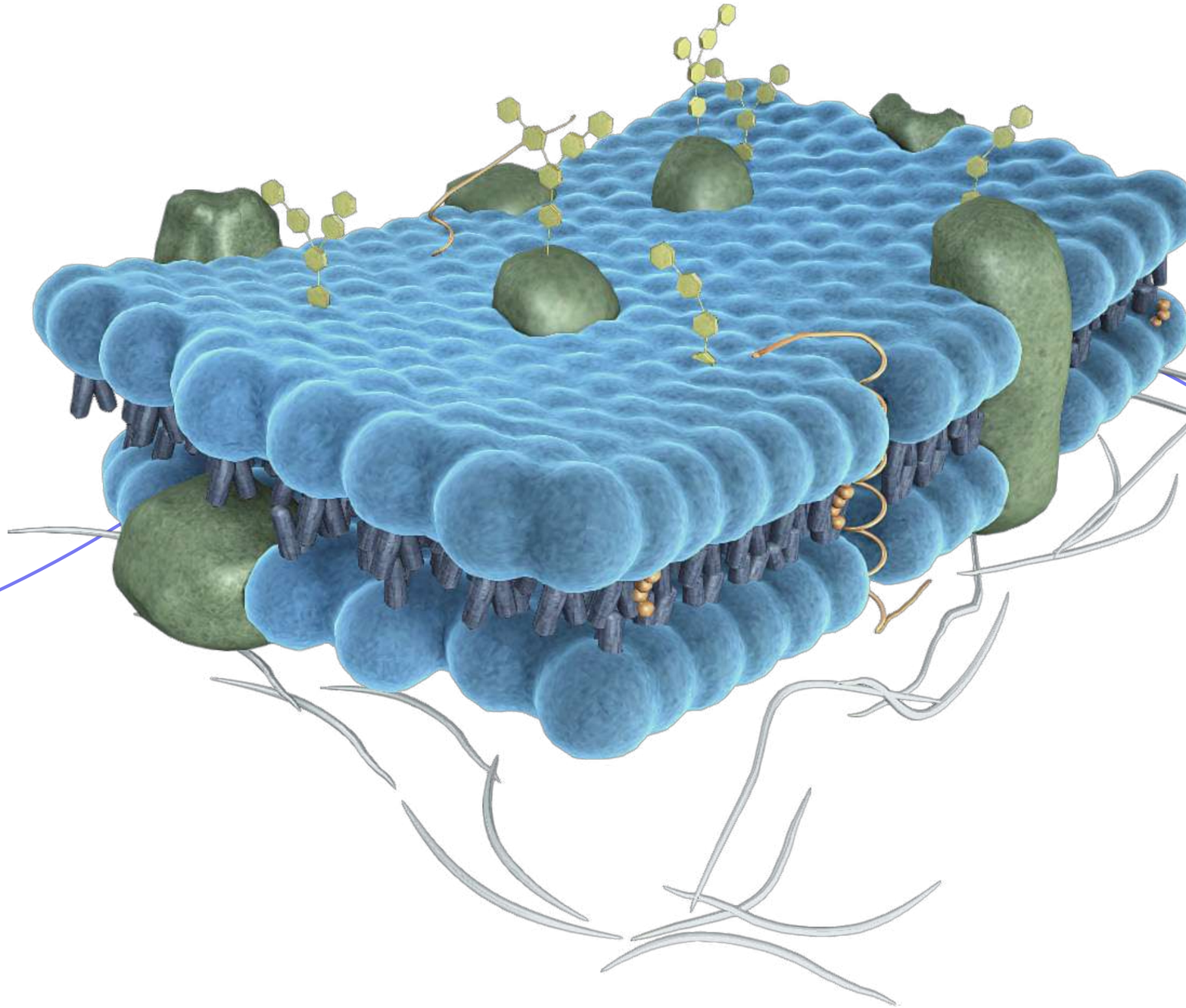


Imagen del Módulo de Citología

Histología



Imagen del Módulo de Histología

DISPONÍVEL NO Google Play

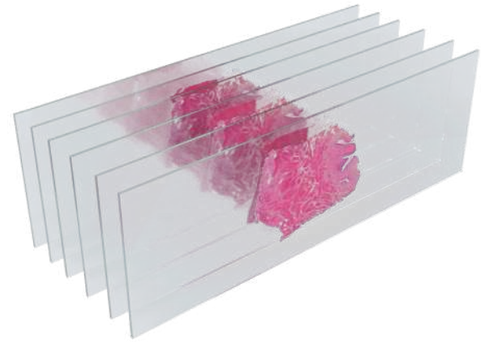
Disponível na App Store

Histología

Este módulo permite al usuario ver imágenes de 102 diapositivas de tejido humano escaneado en alta resolución. Además, este contenido se clasifica en Tejidos, Sistemas y Órganos sensoriales, siendo tejidos y sistemas divididos en:

Tejidos

Cartilaginoso, Conectivo, Epitelial, Muscular e Óseo.



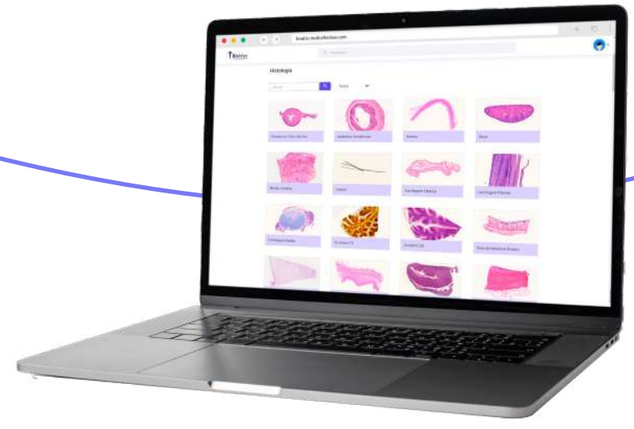
Sistemas

Circulatorio, Digestivo, Endocrino, Tegumentario, Linfático, Nervioso, Respiratorio, Urogenital y Esquelético.

Cada lámina se describió también según la coloración (hematoxilina-eosina, Giemsa, plata, tinción de Wright y hematoxilina sola) y el tipo de sección (frontal, longitudinal sola, transversal sola, transversal y longitudinal y sagital).

Órganos Sensoriales

Nervioso e Tegumentario.



Patología

Este módulo permite al usuario visualizar e interactuar con modelos 3D y cortes histológicos relacionados con diversas alteraciones morfológicas y funcionales del cuerpo humano. Por esta razón, este módulo se divide en **Condiciones Patológicas** e **Histopatología**:

Condiciones Patológicas
Esta categoría ofrece 7 modelos 3D interactivos relacionados con las siguientes condiciones patológicas:

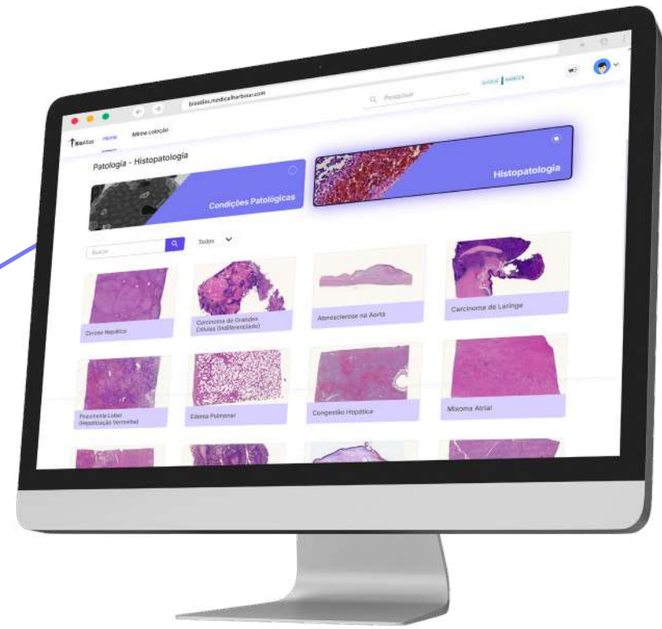
Síndrome de Ovario Poliquístico
Urticaria
Tiroiditis de Hashimoto
Enfermedad de Graves
Anemia de Células Falciformes
Diabetes Mellitus Tipo 1
Diabetes Mellitus Tipo 2
Sinusitis
Tuberculosis



Imágenes del Módulo de Patología

Histopatología
En esta categoría, los usuarios pueden acceder a más de 100 preparaciones de tejido humano relacionadas con diversas patologías:

Enfermedades del Sistema Digestivo
Enfermedades del Sistema Respiratorio
Enfermedades del Sistema Cardiovascular
Alteraciones de la Circulación Sanguínea
Tumor
Enfermedades del Sistema Urogenital
Enfermedades del Sistema Nervioso
Enfermedades del Sistema Genital
Inflamación
Lesiones y Reparación de Células y Tejidos
Enfermedades del Sistema Esquelético y Muscular
Enfermedades del Sistema Endocrino
Enfermedades Inmunes
Enfermedades del Sistema Hematopoyético



En el módulo de Patología, los objetos de los modelos de Condiciones Patológicas tienen nomenclaturas y textos descriptivos en **Portugués**, **Inglés** y **Español**. Las láminas de histopatología, por su parte, tienen una descripción de qué órgano, tipo de patología y colorante, en los tres idiomas.

Desarrollo Humano

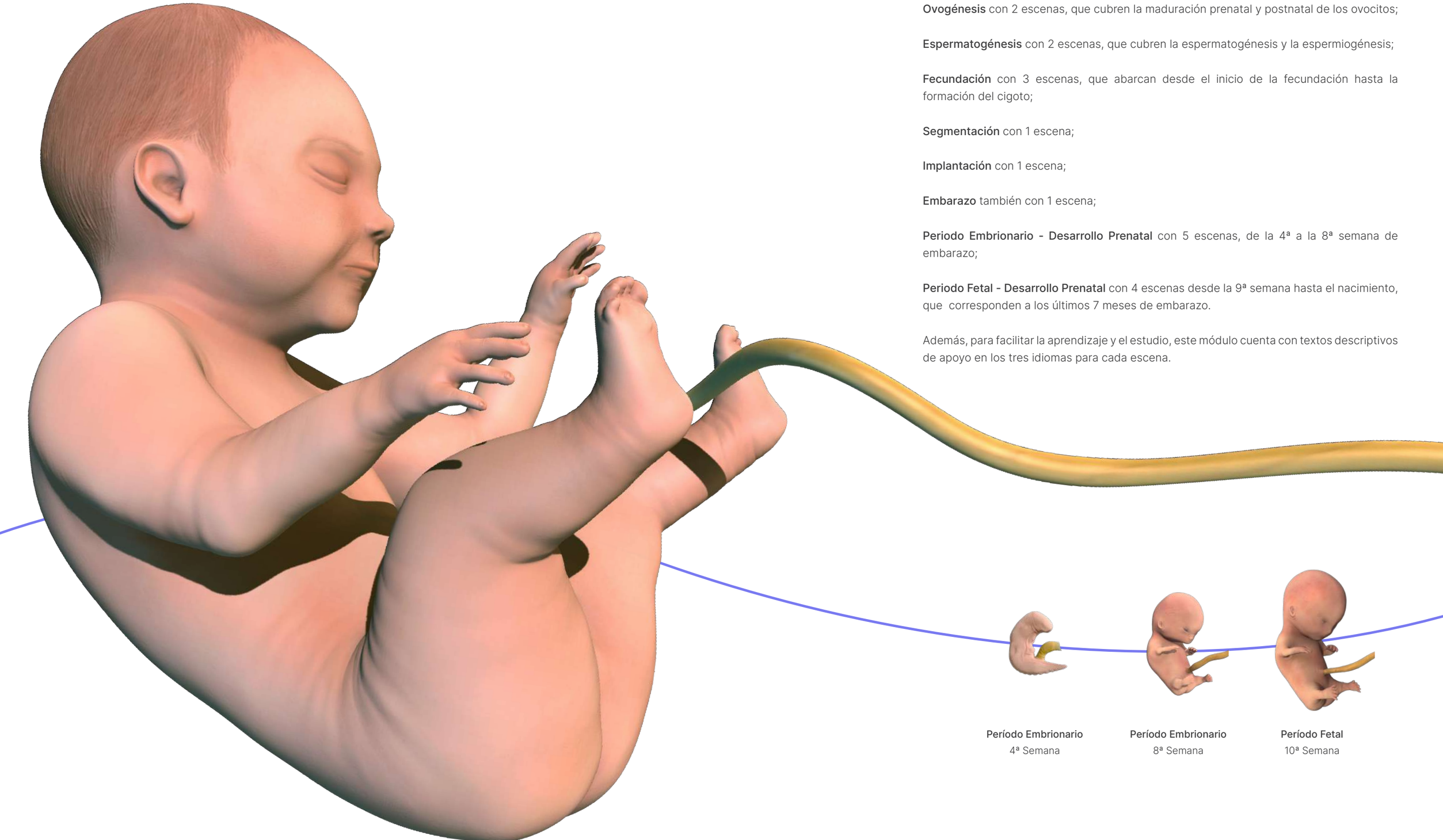


Imagen del módulo de Desarrollo Humano
36ª Semana

Embriología

El módulo de Embriología permite al usuario visualizar e interactuar con 8 contenidos 3D animados y estáticos con diversos objetos y nomenclatura en **Portugués**, **Inglés** y **Español**:

Ovogénesis con 2 escenas, que cubren la maduración prenatal y postnatal de los ovocitos;

Espermatogénesis con 2 escenas, que cubren la espermatogénesis y la espermiogénesis;

Fecundación con 3 escenas, que abarcan desde el inicio de la fecundación hasta la formación del cigoto;

Segmentación con 1 escena;

Implantación con 1 escena;

Embarazo también con 1 escena;

Periodo Embrionario - Desarrollo Prenatal con 5 escenas, de la 4ª a la 8ª semana de embarazo;

Periodo Fetal - Desarrollo Prenatal con 4 escenas desde la 9ª semana hasta el nacimiento, que corresponden a los últimos 7 meses de embarazo.

Además, para facilitar la aprendizaje y el estudio, este módulo cuenta con textos descriptivos de apoyo en los tres idiomas para cada escena.

Período Embrionario
4ª Semana

Período Embrionario
8ª Semana

Período Fetal
10ª Semana

Especialidades Medicas

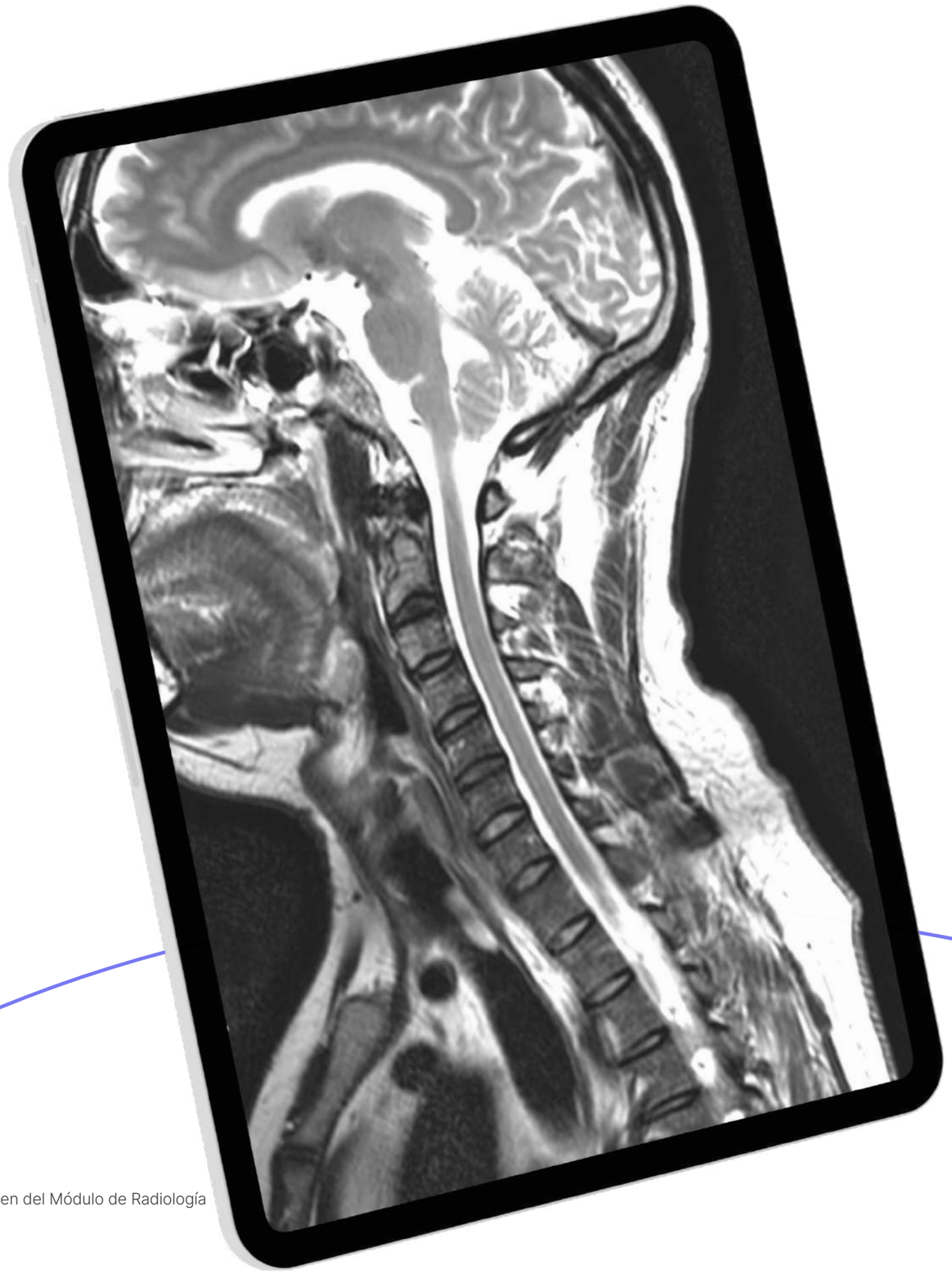


Imagen del Módulo de Radiología

Radiología

El Módulo de Radiología permite abrir imágenes DICOM de exámenes radiológicos.

Es una herramienta intuitiva, basta con seleccionar los archivos DICOM para el lector DICOM. No requiere ninguna instalación. Los archivos se cargan directamente desde su plataforma de elección y así garantizar la seguridad de cualquier posible información personal de salud de los pacientes.

Con él, es posible navegar a través de una serie de imágenes, ajustar el brillo y el contraste, Zoom, Hacer una transición de imagen, medir un ángulo en cm entre 2 puntos configuración de imagen y ventana preestablecida.

No recomendado para uso médico, no recomendado para fines de diagnóstico.



BioAtlas para su institución

FARMACÉUTICA UNIVERSIDADES HOSPITALES EDITORIALES

Agregue la interactividad 3D de BioAtlas a su contenido

Dale vida a tu proyecto sanitario añadiendo tu marca a BioAtlas o incorporando nuestras animaciones, piezas virtuales interactivas a través la Integración de BioAtlas.

Contenido 3D de BioAtlas en su proyecto a través de nuestra API

Crea una experiencia interactiva virtual en 3D en su proyecto relacionando anatomía u otras disciplinas afines al ciclo básico en Salud. El contenido de BioAtlas se puede integrar fácilmente en su sitio web, contenido digital, LMS o proyecto digital a través de la API de BioAtlas.

BioAtlas con la Marca de tu Institución

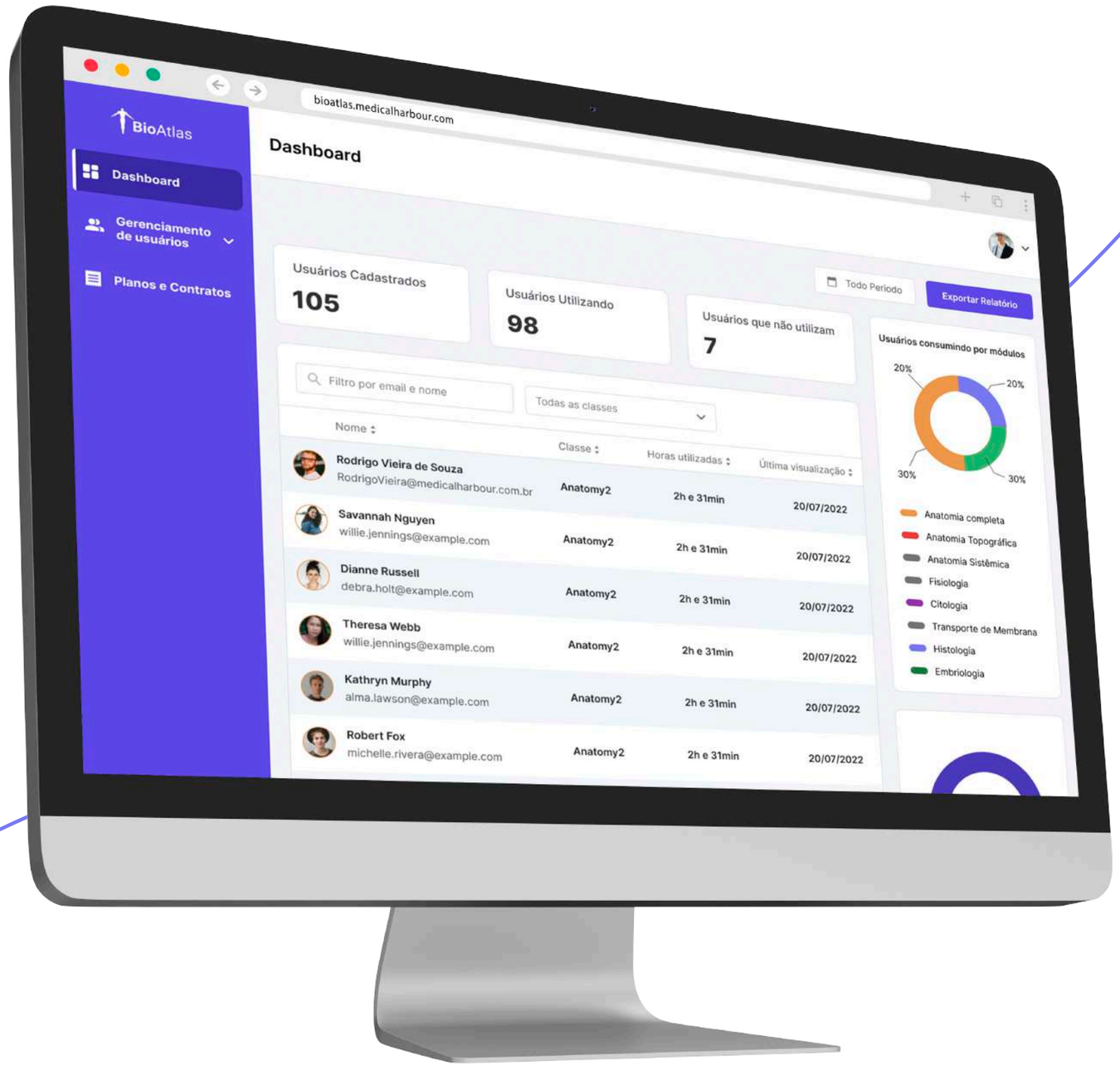
BioAtlas tiene una solución de “Etiqueta privada”, que le permite marcar su marca Institucional creando una solución 100% personalizada.



Imagem do Módulo de Fisiologia

Tablero con datos para seguimiento de indicadores de uso

Más inteligencia para monitorear el uso del sistema y los resultados a tu favor. Analice el uso, el compromiso, el rendimiento y otras métricas clave para mejorar el aprendizaje y obtener información de las interacciones de los usuarios.



Referencias

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MH Anatomy Table

Diseñada para Athena Hub



Un producto

MEDICAL HARBOUR

La Combinación Perfecta entre Hardware y Software

Toda la tranquilidad que su institución necesita para invertir en una mesa de anatomía.



ATHENA
HUB

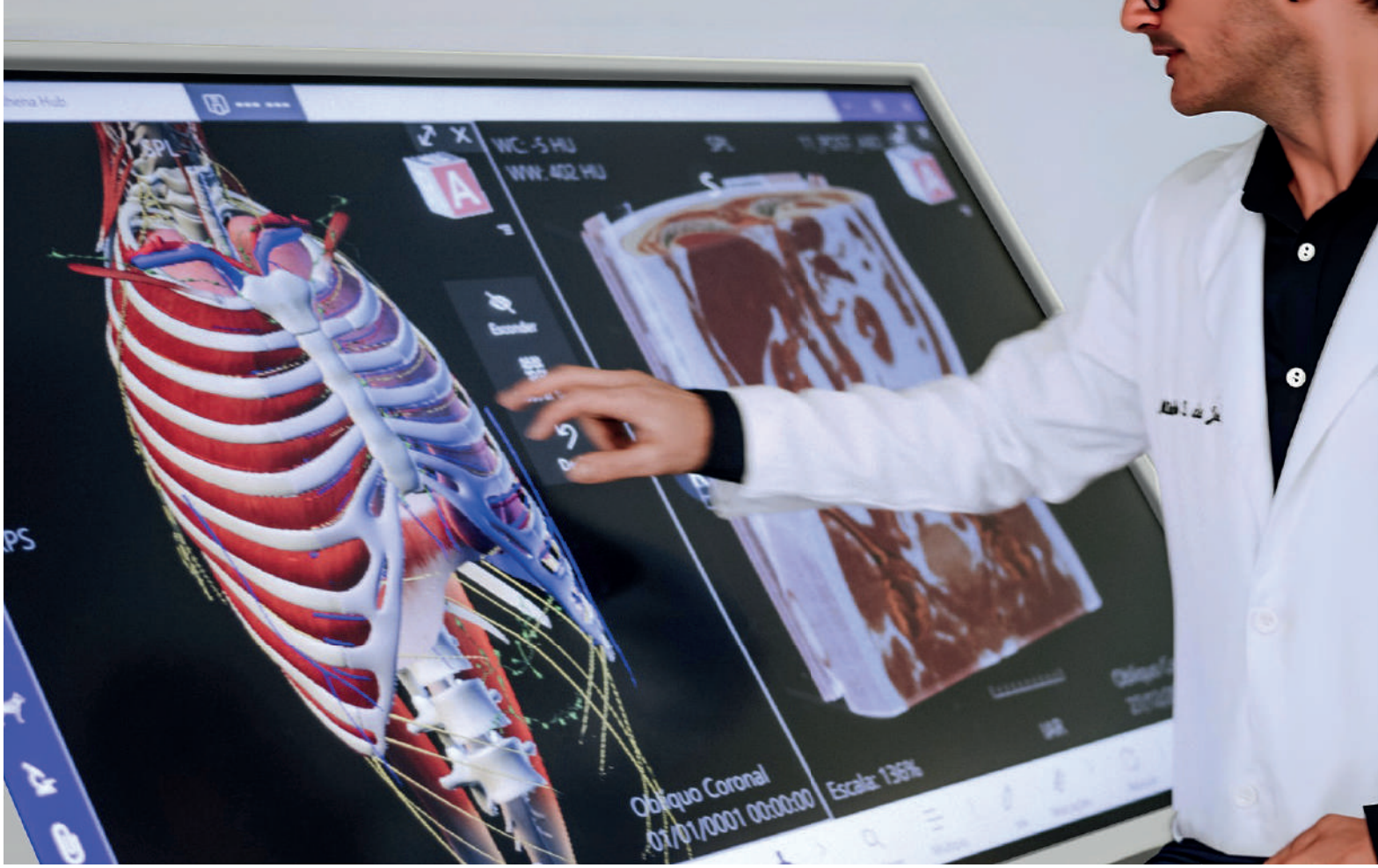
Athena Hub és el Software para la Enseñanza en Salud más Completo del mercado, incluye un cadáver humano virtual 3D, un Atlas Humano completo con sus sistemas y estructuras identificadas en cuatro idiomas (portugués, inglés, español y latín). Además, ofrece una estación de trabajo radiológica con módulo de Fotorrealismo, que incluye casos de estudio radiologícos (Ressonancia, Tomografía y otros). También cuenta con módulos de Citología, visualización de láminas histológicas y patológicas, y la posibilidad de importar cualquier tipo de medio al sistema para visualizar y realizar estudios comparativos con un solo clic.





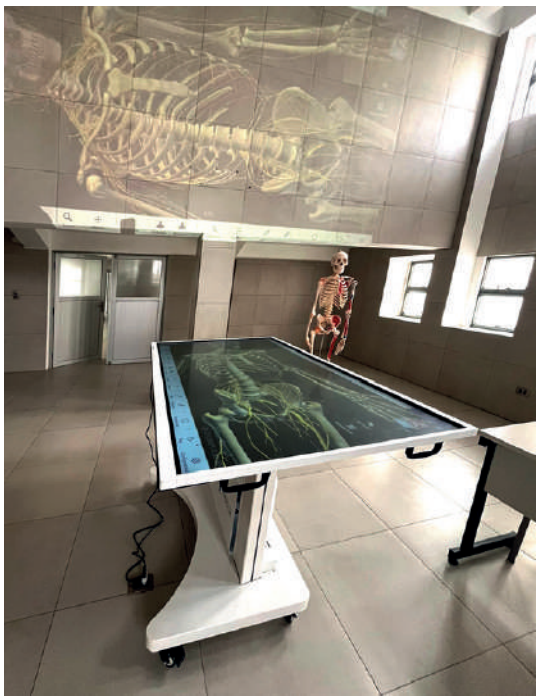
Funcionalidades

- Anatomía comparada a través de la apertura simultánea en diferentes cortes
- Nube de imágenes médicas
- Conexión PACS
- Descarga de diversos formatos de archivos como: imágenes, videos, documentos y más
- Imágenes médicas: RM, TC, Rayos X y otros archivos en formato DICOM
- Láminas de histología y patología
- Versión Veterinaria
- ¡Y mucho más!



Descubra la Solución Definitiva para la Educación Médica

La mesa de anatomía MH cuenta con una pantalla táctil de 75" o 86" con resolución 4K UHD y amplios ángulo de visión, lo que la hace ideal para que estudiantes y profesores de medicina exploren el potente Athena Hub con una claridad y detalle excepcionales. La altísima resolución permite a los usuarios visualizar imágenes y modelos médicos en 3D con una nitidez sin precedentes. Además, la mesa cuenta con un soporte motorizado que permite ajustar la altura e inclinación para una experiencia de posicionamiento personalizada. Con ruedas bloqueables y un movimiento de 360°, la mesa también es fácil de transportar y almacenar.



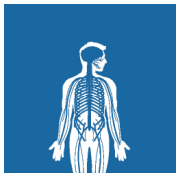
Características

- Pantalla 4K UHD de 75 o 86 pulgadas con amplios ángulos de visión
- Sensor táctil infrarrojo con hasta 20 toques simultáneos
- Soporte motorizado con ajuste de altura e inclinación
- Ruedas bloqueables con libertad de movimiento de 360 grados
- Webcan e Micrófono integrados (para clases remotas)
- Proyección para otras pantallas y dispositivos via WIFI o cable
- Unidad de Estado Sólido de Alto Rendimiento
- Memoria DDR4 de Alta Velocidad
- Tarjeta de video dedicada
- Plataforma abierta para recibir otros softwares
- Proyección en otras pantallas
- Conectividad: HDMI, USB-C, USB 3.0 y RJ45 LAN

ATHENA
HUB

Contenidos Interactivos en 3D para la Enseñanza en Salud


Cadáver Virtual

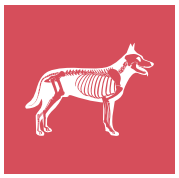

Atlas Humano

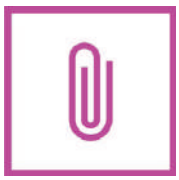

Imagenología


Fotorrealismo


Citología


Láminas


Veterinaria


Variados

Toda la tranquilidad que su institución necesita para invertir en una mesa de anatomía, que cuenta con:

- Soporte del equipo de Medical Harbour
- Bajo costo de mantenimiento
- Software integrado con hardware
- Diseño exclusivo de Medical Harbour
- Garantía de alto rendimiento

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Obtenga más información sobre Athena Hub en:









Modelos Anatómicos

PRODUCT CATALOGUE

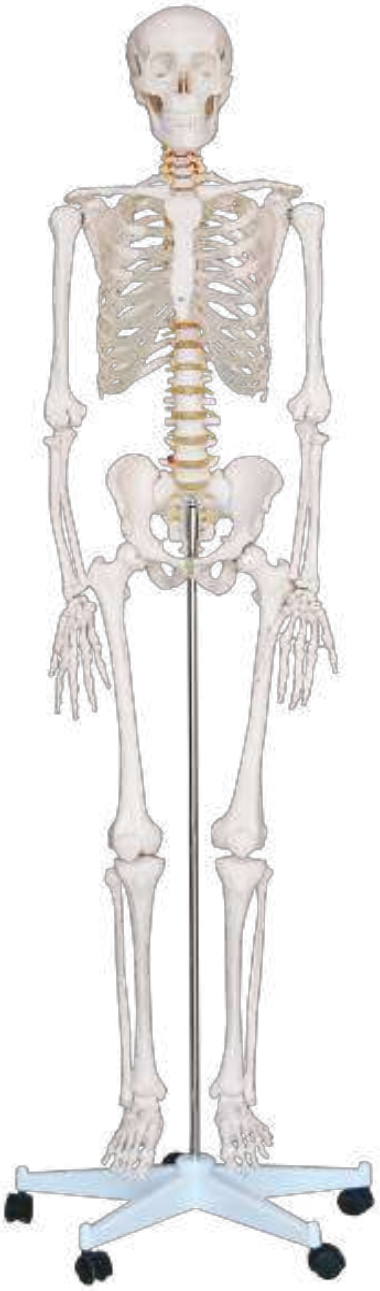








XC-100 Skeleton Series



XC-101 Life-Size Skeleton 180CM Tall

This life-size articulated adult plastic skeleton is ideal for teaching the basics of human anatomy. The arms and the legs are removable for study. Features nerve branches, vertebral artery and herniated lumbar disc. The skull includes movable jaw, cut calvarium, suture lines and 3 removable lower teeth. Made of washable and unbreakable PVC plastic. Size: 180CM.

Packing: 1pcs/carton, 100x46x29cm, 13kgs



XC-102 85CM Skeleton

This half-size skeleton contains 200 bones of an adult human. The skull features movable jaw, removabl calvarium. Arms are movable and legs are removable.Size: 85CM.

Packing: 6pcs/carton, 74x33x52.5cm, 14kgs

XC-101A Skeleton with Muscles and Ligaments 180CM Tall

Based on XC-101, this model is painted to show the muscles and ligaments. The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles. Size:180CM.

Packing: 1pcs/carton, 100x46x29cm, 14kgs





XC-100 Skeleton Series



XC-102A 85cm Skeleton with Spinal Nerves

This model features spinal column, nerve roots,vertebral artery, a herniated disc, cartilage highlighted in green, removable 3-piece skull and extremities. Size: 85CM.

Packing: 6pcs/carton, 74x33x52.5cm, 14kgs



XC-102B 85CM Skeleton with Nerves and Blood Vessels

This model depicts the position, course and distribution of main vessel and peripheral nerves of the human body. Size: 85CM

Packing: 6pcs/carton, 74x33x52.5cm, 15kgs



XC-102C 85cm Skeleton with Painted Muscles

Based on XC-102, this model is painted to show the muscles. The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles. Size: 85CM.

Packing: 6pcs/carton, 74x33x52.5cm, 14kgs



XC-103 45CM Mini Skeleton

This miniature skeleton model features a movable jaw on springs, removable calvarium, arms are movable, legs are removable for individual study. Size: 45CM.

Packing: 24pcs/carton, 69x55x35cm, 15kgs

XC-100 Skeleton Series



XC-104 Life-Size Skull

This life-size adult skull features a movable jaw, cut calvarium, suture lines and 3 removable lower teeth - incisor, cuspid and molar. Dissected into 3 parts. Size: 19x15x21cm.

Packing: 18pcs/carton, 53x39x55cm, 18kgs



XC-104B Life-Size Skull with Painted Muscles

Based on XC-104D skull model, this model is painted to show the muscles. The left side of the skull shows the points of origin (red) and the points of insertion (blue) of the muscles.

Packing: 18pcs/carton, 49x45x54cm, 19kgs



XC-104C Life-Size Skull with Colored Bones

This is advanced model of XC-104 life-size skull, bones painted in different colors for precise study. Can be disassembled into 3 parts. Size: 19x15x21CM.

Packing: 18pcs/carton, 53x39x55cm, 18kgs



XC-104D Deluxe Life-Size Skull Style D

This new developed life-size skull features a movable jaw, cut calvarium and suture lines. Have a more obvious manifestations of bone. Can be disassembled into 3 parts. Made of PVC.

Packing: 18pcs/carton, 49x45x54cm, 19kgs



XC-104E Skull Model with 8 Parts Brain

This model is based on XC-104D, includes 8 parts brain: frontal and parietal lobe, temporal and occipital lobe, encephalic trunk and cerebellum.

Packing: 18pcs/carton, 49x45x54cm, 23kgs



XC-135 Skull with Cervical Spine

This skull is flexibly mounted on a cervical spine. Also represent the hindbrain, spinal cord, cervical nerves, vertebral arteries, basilar artery and rear cerebral arteries.

Packing: 10pcs/carton, 74x43x29cm, 14kgs

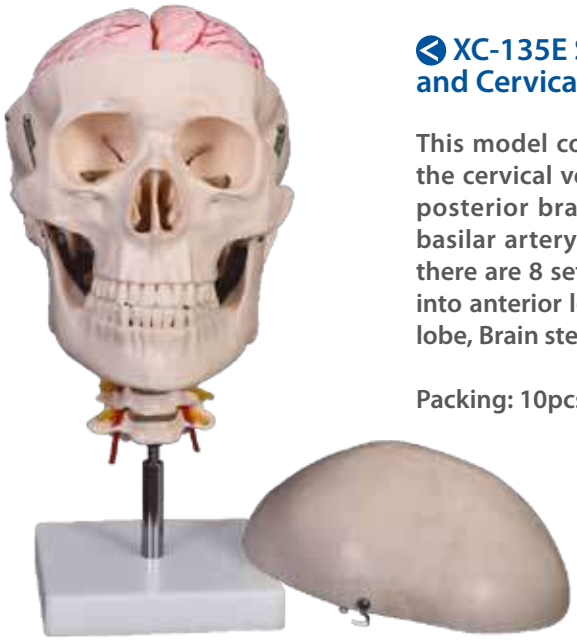


XC-106 Miniature Plastic Skull

This model shows the major structure of the different bones of the skull. The calvarium can be removed and the mandible is spring hanged to view the bone structures of the mouth. Size: 10x8x10CM.

Packing: 32pcs/carton, 54x30x41cm, 9kgs

XC-100 Skeleton Series



XC-135E Skull with 8 parts Brain and Cervical Spine

This model consists of the skull and 7 cervical vertebrae, with the cervical vertebral artery, with a base, as well as display the posterior brain, spinal cord, cervical nerve, vertebral artery, basilar artery and posterior cerebral artery, and on this basis, there are 8 sets of cerebral artery models, which can be divided into anterior lobe and parietal lobe, temporal lobe and occipital lobe, Brain stem and cerebellum.

Packing: 10pcs/carton, 74x43x29cm, 20kgs

XC-107D Life-Size Vertebral Column Disarticulate Model

This model consists of 7 cervical vertebrae, 12 thoracic vertebrae, 5 lumbar vertebrae, and 1 tail vertebrae, packaged in a plastic boxes.

Packing: 8pcs/carton, 62x56x41cm, 20kgs





XC-107 Life-Size Vertebral Column

This model shows all significant features of each vertebra, including spinal cord, nerve roots, the vertebral artery, a herniated disc and vertebral notch etc. Special features include: flexible vertebral column, sacrum, occipital bone, vertebral artery, all nerve branches and herniated lumbar disc.

Packing: 2pcs/carton, 80x32x39cm, 7kgs



XC-107A Vertebral Column with Painted Muscles

Based on XC-107, this model is painted to show the muscles. The left side of the vertebral column shows the points of origin (red) and the points of insertion (blue) of the muscles.

Packing: 2pcs/carton, 80x32x39cm, 7kgs



XC-107C Didactic Vertebral Column

This model is upgraded from XC-107, and features different sections of the spinal column in different color: cervical vertebrae, thoracic vertebrae, lumbar vertebrae, sacrum and the coccyx.

Packing: 2pcs/carton, 80x32x39cm, 7kgs

XC-100 Skeleton Series



XC-105 Life-Size Vertebral Column with Pelvis

This model shows all significant features of each vertebra, including spinal cord, nerve roots, the vertebral artery, a herniated disc and vertebral notch etc. Special features include: flexible vertebral column complete with pelvis, sacrum, occipital bone, vertebral artery, all nerve branches and herniated lumbar disc.

Packing: 2pcs/carton, 80x32x39cm, 9kgs



XC-105A Vertebral Column with Pelvis and Painted Muscles

Based on XC-105, this model is painted to show the muscles. The left side of the vertebral column shows the points of origin (red) and the points of insertion (blue) of the muscles.

Packing: 2pcs/carton, 80x32x39cm, 9kgs



XC-105C Didactic Vertebral Column with Pelvis

This model is upgraded from XC-105, and features different sections of the spinal column in different color: cervical vertebrae, thoracic vertebrae, lumbar vertebrae, sacrum and the coccyx.

Packing: 2pcs/carton, 80x32x39cm, 9kgs



XC-126 Life-Size Vertebral Column with Pelvis and Femur Heads

This model shows all significant features of each vertebra, including spinal cord, nerve roots, the vertebral artery, a herniated disc and vertebral notch etc. Special features include: flexible vertebral column complete with pelvis, sacrum, occipital bone, femur heads, vertebral artery, all nerve branches and herniated lumbar disc.

Packing: 2pcs/carton, 88x32x39cm, 10kgs



XC-126A Vertebral Column with Pelvis and Femur Heads and Painted Muscles

Based on XC-126, this model is painted to show the muscles. The left side of the vertebral column shows the points of origin (red) and the points of insertion (blue) of the muscles.

Packing: 2pcs/carton, 88x32x39cm, 10kgs



XC-126C Didactic Vertebral Column with Pelvis and Femur Heads

This model is upgraded from XC-126, and features different sections of the spinal column in different color: cervical vertebrae, thoracic vertebrae, lumbar vertebrae, sacrum and the coccyx.

Packing: 2pcs/carton, 88x32x39cm, 10kgs

XC-100 Skeleton Series



XC-109 Life-Size Shoulder Joint

Demonstrates abduction, adduction, anteversion, retroversion and internal / external rotation. Include flexible, artificial ligaments. Life-size, on stand. Size: 17.5x15x21CM.

Packing: 10pcs/carton, 74x43x29cm, 8kgs



XC-109A Life Size Muscled Shoulder Joint

This life size right shoulder includes: infraspinatus, subscapularis, supraspinatus, and teres major and minor muscles; acromion, clavicle, humerus, scapula bones and the related ligaments and tendons.

Packing: 10pcs/carton, 74x43x29cm, 12kgs



XC-110 Life-Size Hip Joint

Demonstrate abduction, anteversion, retroversion, and internal / external rotation. Include flexible, artificial ligaments. Life-size, on stand. Size: 21x19x28CM.

Packing: 10pcs/carton, 82x44x33cm, 12kgs



XC-111 Life-Size Knee Joint

Demonstrate abduction, anteversion, retroversion, internal / external rotation. Include flexible, artificial ligaments. Life-size, on stand. Size: 12x12x33CM.

Packing: 10pcs/carton, 77x32x36cm, 10kgs



XC-112 Life-Size Elbow Joint

Demonstrate abduction, anteversion, retroversion, internal / external rotation of the radius. Include flexible, artificial ligaments. Life-size, on stand. Size: 17x14.5x24CM.

Packing: 10pcs/carton, 74x43x29cm, 6kgs



XC-113 Life-Size Foot Joint

Demonstrate all the foot functionality and the external anatomical structures. Made of PVC plastic, life size, on stand. Size: 12x22x27CM.

Packing: 10pcs/carton, 55x35x33cm, 8kgs

XC-100 Skeleton Series



XC-113A Life-Size Foot Joint with Ligaments

Demonstrate all of foot functionality and the external anatomical structures. Include flexible, artificial ligaments. Made of PVC plastic, natural size, on stand. Size: 12x22x27CM.

Packing: 10pcs/carton, 55x35x33cm, 9kgs



XC-114 Life-Size Hand Joint

Demonstrate all the hand functionality and the external anatomical structures. Made of PVC plastic, life size, on stand. Size: 11.5x8x24.5CM.

Packing: 12pcs/carton, 66x28x27cm, 4.5kgs



XC-114A Life-Size Hand Joint with Ligaments

Demonstrate all the hand functionality and the external anatomical structures. Include flexible, artificial ligaments. Made of PVC plastic, life size, on stand. Size: 11.5x8x24.5CM.

Packing: 12pcs/carton, 66x28x27cm, 5kgs



XC-115 Life-Size Pelvis with 5pcs Lumbar Vertebrae



XC-115A Half-Size Pelvis with 5pcs Lumbar Vertebrae

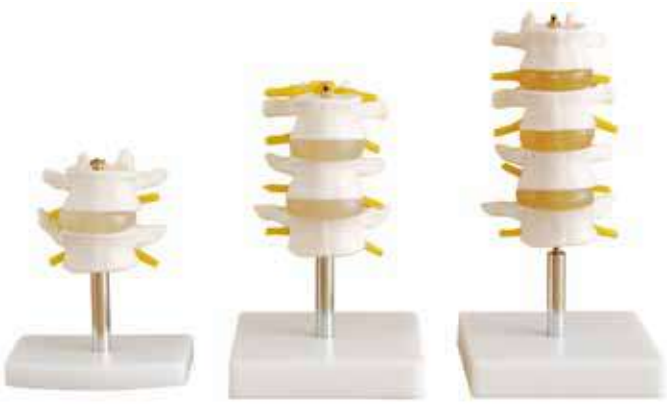
Consist of hip bone, sacrum with coccyx and 5 lumbar vertebras. On stand.

XC-115 Packing: 8pcs/carton, 58x45x50cm, 17kgs
XC-115A Packing: 20pcs/carton, 50x35x42cm, 9kgs

XC-116 Lumbar Set (2 pcs)
XC-117 Lumbar Set (3 pcs)
XC-118 Lumbar Set (4 pcs)

Life-size lumbar vertebrae are shown with normal intervertebral disc and spinal cord with nerve roots. On stand.

XC-116 Packing: 32pcs/carton, 62x29x29cm, 15kgs
XC-117 Packing: 20pcs/carton, 50x35x42cm, 10kgs
XC-118 Packing: 20pcs/carton, 50x35x42cm, 11kgs





XC-119 Life-Size Lumbar Vertebrae with Sacrum & Coccyx and Herniated Disc



XC-119A Mini Lumbar Vertebrae with Sacrum & Coccyx and Herniated Disc

Consist of the 5 lumbar vertebrae with intervertebral discs, sacrum with flap, coccyx, spinal nerves and dura mater of spinal cord. On stand.

XC-119 Packing: 10pcs/carton, 74x43x29cm, 12kgs
XC-119A Packing: 32pcs/carton, 62x29x29cm, 10kgs

XC-100 Skeleton Series



XC-121 Life-Size Upper Extremity (In pairs)

Life-size arm, either left or right is available. Mounted on wire.

Packing: 25pairs/carton, 66x24x30cm, 17kgs



XC-122 Life-Size Lower Extremity (In pairs)

Life-size leg, either left or right is available. Mounted on wire.

Packing: 5pairs/carton, 77x33x24cm, 14kgs



XC-123 Adult Male Pelvis



XC-124 Adult Female Pelvis

The size of these two models are just the same as the realities and made of PVC plastic. Comparing a male pelvis with a female one, the differences between these two can be listed as follow:

	Male	Female
Pelvis shapes:	Long and narrow	Short and broad
Pelvis cava:	Like a funnel	Like a barrel
Aperture pelvis superior:	Heart-like	Rounded
Sacrum:	Long and narrow	Broad and short
Angles of pelvis arch:	70-75 degree	90-100 degree
Symphysis pubica:	Long and narrow	Short and broad

XC-123 Packing: 10pcs/carton, 82x44x33cm, 13kgs
XC-124 Packing: 10pcs/carton, 74x43x29cm, 12kgs

XC-120 Thoracic Spinal Column

This model consists of the 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord, on stand.

Packing: 16pcs/carton, 58x37x29cm, 11kgs





XC-125 Female Pelvic Muscles and Organs

This model is designed as an aid to the teaching of anatomy of female pelvis in middle institutes. It demonstrates pelvic muscles and pelvic organs as a whole. Life size.

Packing: 10pcs/carton, 74x43x29cm, 16kgs



XC-127 Birth Demonstration Model

This model consists of 2 innominate bones, sacrum, coccyx, with fetal skull which is firmly conntected with the model by means of a flexible metal tube which can be fixed in any position.

Packing: 8pcs/carton, 58x45x50cm, 15kgs

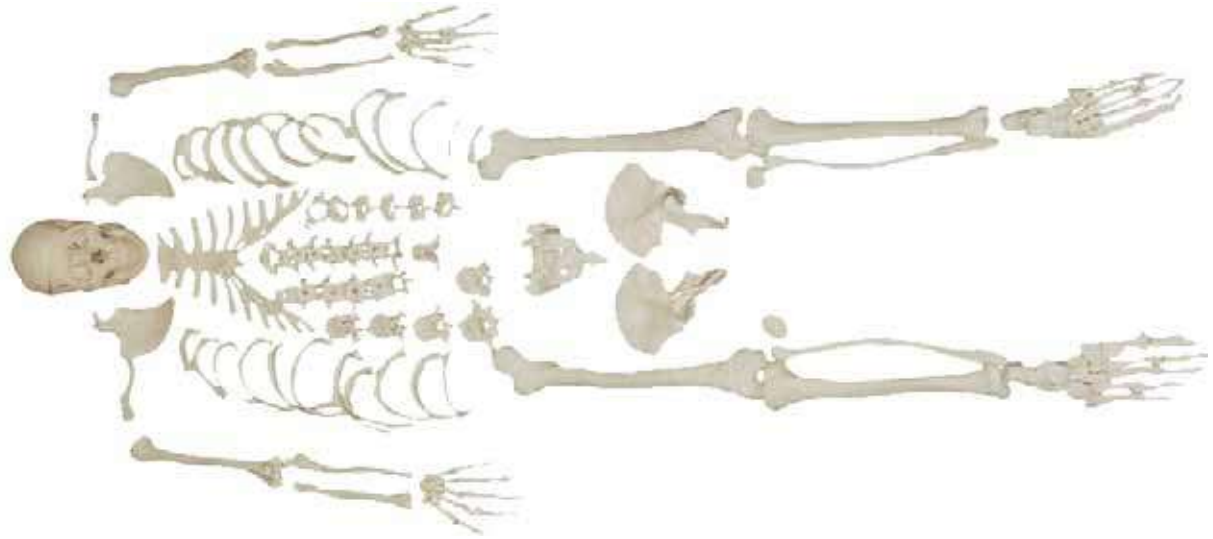


XC-128 Life-Size Pelvis with 2pcs Lumbar Vertebrae

Consist of hip bone, sacrum with coccyx and 2 lumbar vertebrae.

Packing: 10pcs/carton, 82x44x33cm, 16kgs

XC-100 Skeleton Series



XC-130 Disarticulated Skeleton with Skull

Life-size, disarticulated adult skeleton includes 3-part skull, left hand and left foot on wire.

Packing: 1pcs/carton, 63x28x20cm, 9kgs



XC-133 Cervical Vertebral Column with Neck Artery

Consisted of occipital plate, the 7 cervical vertebrae with intervertebral discs, cervical nerves, vertebral arteries and spinal cord. On stand.

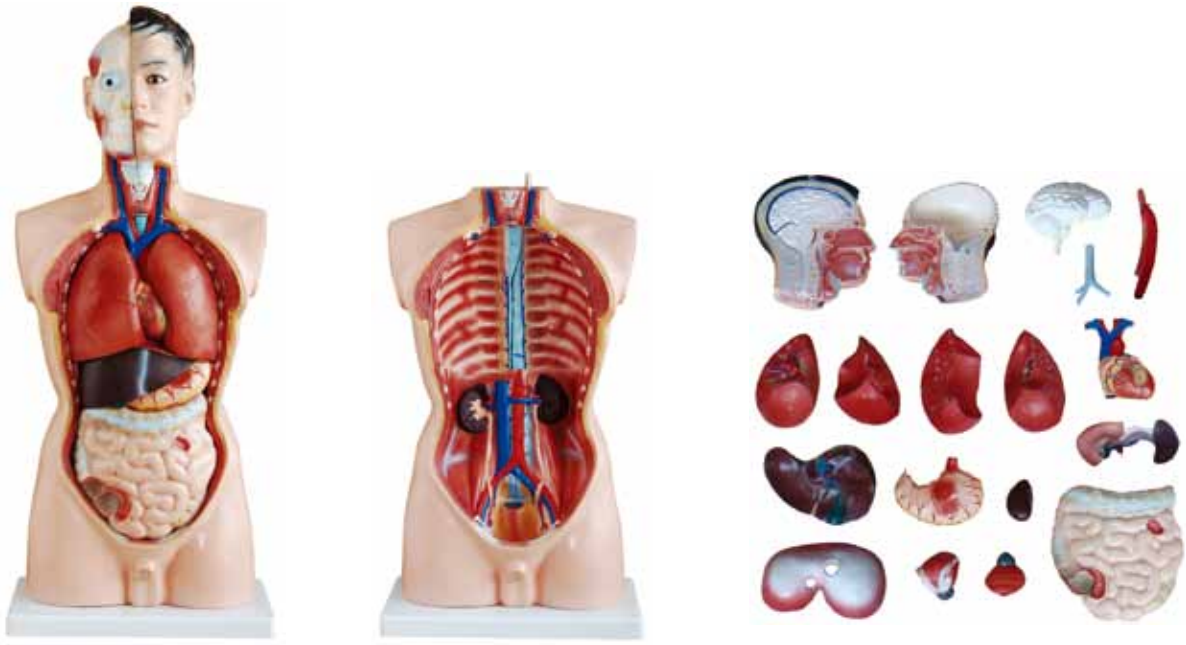
Packing: 20pcs/carton, 50x35x42cm, 9kgs



XC-134 Cutaway Osteoporosis

Consist of 3 medially divided lumbar vertebrae with intervertebral discs. For comparison, the upper section shows healthy bone structure, The middle section shows osteoporotic bone structure and the lower section shows advanced osteoporotic bone structure with flattened plates, deformation and decreased mass. For detailed study the vertebrae can be removed from the stand.

Packing: 32pcs/carton, 62x29x29cm, 14kgs



XC-201 85CM Male Torso 19 Parts

This is a full-size male torso. Hand painted and meticulously assembled to simulate human anatomy. Dissects into 19 parts: torso, head (2 parts), brain, lung (4 parts), heart, trachea, esophagus and descending aorta, diaphragm, stomach, duodenum with pancreas and spleen, intestines, kidney, bladder (2 parts) and liver. Mounted on plastic base. Size:85CM.

Packing: 1pcs/carton, 88x39x30cm, 10kgs



XC-203 26CM Torso 15 Parts

This most popular educational torso features 15 parts, including torso,brain (2 parts), cut calvarium, heart, lung (4 parts),stomach, diaphragm, liver, heart, trachea & esophagus & aorta, pancreas and spleen. Size:26CM.

Packing: 24pcs/carton, 58x45x39cm, 18kgs

XC-200 Torso Series





XC-202A 42CM Male Torso 13 Parts

This male torso features 13 parts, including torso, head (2 parts), brain, lung (2 parts), heart (2 parts),stomach, liver, kidney, pancreas and spleen, intestine.Made of PVC plastic. Mounted on plastic base. Size:42CM.

Packing: 6pcs/carton, 49x45x42cm, 11kgs





XC-202B 42CM Female Torso 15 Parts

This female torso features 15 parts, including torso, head (2 parts), brain, lung (2 parts), heart (2 parts), stomach, liver, kidney, pancreas and spleen,intestine, female genitalia(2 parts). Made of PVC plastic. Mounted on plastic base. Size:42CM.

Packing: 6pcs/carton, 49x45x42cm, 11kgs



XC-204 85CM Unisex Torso 23 Parts

This outstanding torso features an exposed spine with removable vertebra and spinal cord segments, a female breast plate and interchangeable male and female genitalia. The female organs include a fetus in the womb. Dissectible into 23 parts: torso, female breast plate, head, eyeball, brain, vertebra spinal nerves, lung (2 parts), heart (2 parts), liver, kidney,stomach (2 parts), intestines (4 parts), male genitalia (2 parts), female genitalia with fetus (3 parts). Made of PVC plastic. Mounted on a plastic base. Size:85CM.

Packing: 1pcs/carton, 91x44x36cm, 11kgs

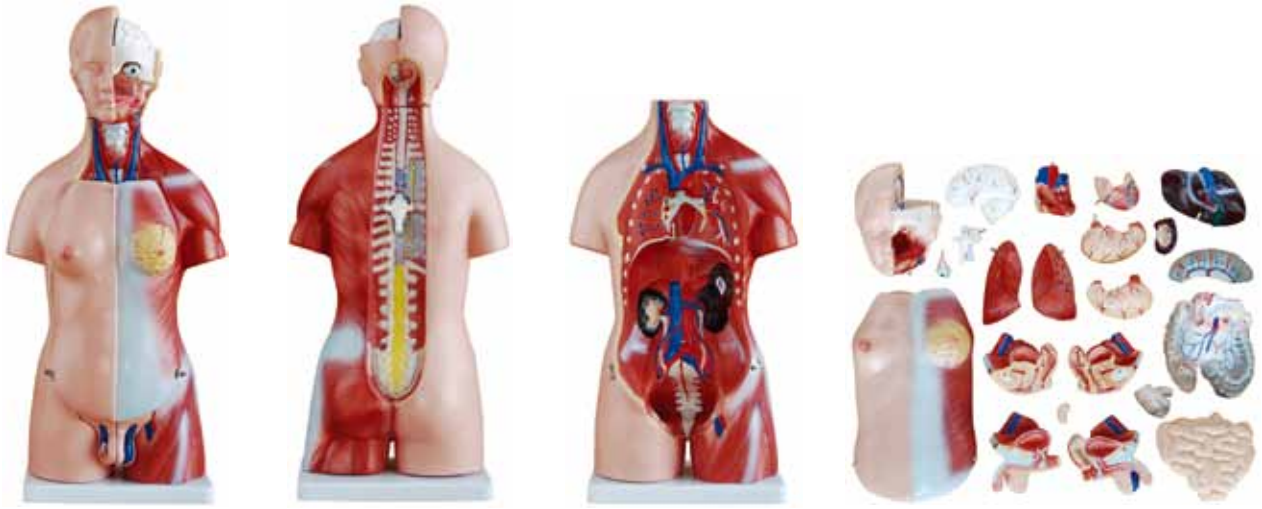


XC-204A 85CM Tri-sex Torso 21 Parts

This torso is based on XC-204, add none sex genitalia.Dissected into 21 parts: torso, female breast plate, head, eyeball, brain, vertebra spinal nerves, lung (2 parts), heart (2 parts), liver, kidney, stomach, intestines (2 parts), male genitalia (2 parts), female genitalia with fetus (3 parts), none sex genitalia. Made of PVC plastic. The stomach parts and intestine parts can be replaced by the ones of XC-204. Mounted on base. Size: 85CM.

Packing: 1pcs/carton, 91x44x36cm, 11kgs

XC-200 Torso Series



XC-205 45CM Unisex Torso 23 Parts

This unisex torso features the same as XC-204 but half size, offering an outstanding educational value. Dissected into 23 parts: torso, female, breast plate,head, eyeball, brain, vertebra spinal nerves, lung (2 parts), heart (2 parts), liver, kidney, stomach (2 parts), intestines (4 parts), male genitalia (2 parts), female genitalia with fetus (3 parts). Made of PVC plastic. Mounted on plastic base. Size:45CM.

Packing: 6pcs/carton, 59x56x55cm, 18kgs



XC-206 85CM Sexless Torso 20 Parts

This sexless model including 20 dissectible parts:torso, head, eye, brain, lung with sternum and rib attachments (2 parts), heart (2 parts), stomach (2 parts), liver, spleen, kidney, intestine (4 parts), urinary bladder, vertebra spinal nerves (2 parts). Open back. Mounted on plastic base. Size: 85CM.

Packing: 1pcs/carton, 91x44x36cm, 10kgs



XC-207 42CM Sexless Torso 18 Parts

This sexless model including 18 dissectible parts:torso, head, brain, trachea, esophagus and descending aorta, diaphragm, lung (4 parts), heart (2 parts), stomach, liver, kidney, pancreas and spleen, intestine, vertebra spinal nerves. Open back. Mounted on plastic base. Size:42CM.

Packing: 6pcs/carton, 59x56x55cm, 14kgs



XC-209 55CM Unisex Torso 20 Parts

This unisex torso including 20 parts: torso, head, eyeball, brain, lung (2 parts), heart (2 parts), liver, gallbladder, kidney, stomach (2 parts), intestines (2 parts), male genitalia (2 parts), female genitalia (2 parts) and vertebra spinal nerves. Size: 55CM.

Packing: 4pcs/carton, 61x51x35cm, 14kgs

XC-200 Torso Series



XC-208 85CM Unisex Torso 40 Parts

This unisex torso including 40 parts: torso, female breast plate, head, eyeball, brain (8 parts), vertebra spinal nerves (4 parts),lung (4 parts), heart (2 parts),trachea, esophagus and descending aorta, diaphragm,liver, kidney, stomach (2 parts), intestines (4 parts),male genitalia (4 parts), female genitalia with fetus (3 parts). Size: 85CM.

Packing: 1pcs/carton, 91x44x36cm, 11kgs



XC-210 85CM Unisex Muscle Torso 30 Parts

This unisex torso including 30 parts: torso, chest, head, eyeball, brain (1 part), spinal nerve (1 part), lung (4 parts), heart (2 parts), trachea, esophageal artery, diaphragm, liver, kidney, stomach (2 Parts), intestine (4 parts), male genitalia (4 parts), female genital with fetus (3 parts). Size: 85CM.

Packing: 1pcs/carton, 91x44x36cm, 11kgs



XC-301 Magnified Human Larynx Model

A functional model that demonstrates movements of the epiglottis and cartilages in the voice box. It helps the students to require and understanding of the morphology and structure of the respiratory tract and phonetic organ. Dissectible into 3 parts, 3 times enlarged. Size: 11.5x11x24CM.

Packing: 12pcs/carton, 66x28x27cm, 8kgs



XC-302 Magnified Pulmonary Alveoli Model

The model shows the small branches of principal bronchus:
1. Section of bronchiole of no cartilage.
2. The relation between pulmonary alveoli and terminal bronchiole.
3. The structure of alveolar sac and alveolar duct.
4. The capillary rete in the alveolar sapta.
Size: 26x15x35CM

Packing: 4pcs/carton, 81x41x29 cm, 8kgs



XC-305 Expansion Model of Human Teeth

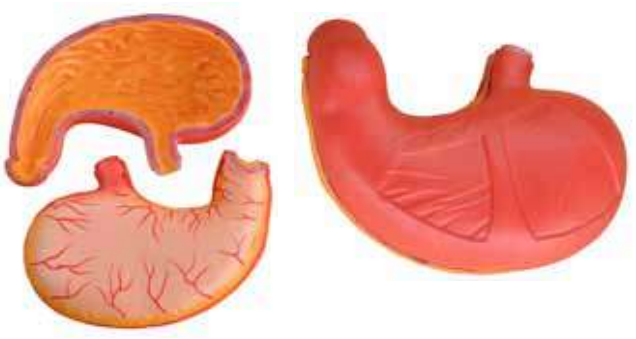
This model shows the morphological differences of the incisor, canine and molar teeth. Dissections of the canine and molar teeth demonstrate the structure of the enamel, dental pulp cavity. 3pcs/set. 12 times enlarged.

Packing: 10sets/carton, 82x44x33cm, 24kgs

XC-306 Stomach Model

With the longitudinal section, the model shows the structures of the gastric folds, pyloric valve, pyloric sphincter muscles, gastric mucosa and the transitional mucosa of the gastric-esophagus. Made of hard plastic and magnified 2 times of the natural size.

Packing: 10pcs/carton, 51x37x34cm, 13kgs



XC-300 Anatomical Series



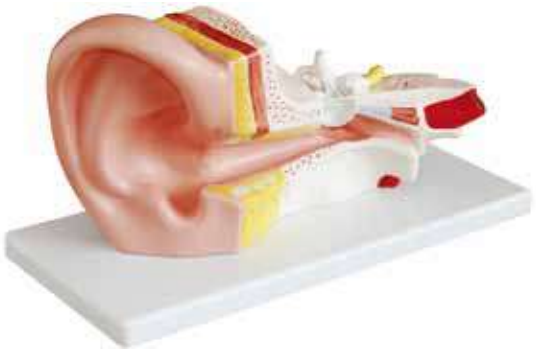


XC-303A Giant Ear Model

XC-303C New Style Giant Ear Model

This model shows three main structural parts of the hearing organ (external ear, middle ear, internal ear) and the position of the equilibrium organ of human body. 5 times enlarged. Size: 42x24x16CM
XC-303A dissectible into 4 parts
XC-303C dissectible into 6 parts.

XC-303A Packing: 6pcs/carton, 56x48x55cm, 15kgs
XC-303C Packing: 6pcs/carton, 55x47x59cm, 15kgs



XC-303B Middle Ear Model

This model shows all major structures related to hearing and balance. Dissectible into 2 parts, 3 times enlarged. Mounted on plastic base.
Size: 32x16x11CM.

Packing: 10pcs/carton, 73x32x42cm,11kgs

XC-303D Desktop Ear Model

Representation of the outer, middle, and inner ear.
1.5 times enlarged. On stand.

Packing: 32pcs/carton,53x30x41m, 13kgs





XC-304 Brain Model

Demonstrate external features of human brain as a whole, as well as the relations between the component portions. Dissectible into 3 parts. On stand. Size: 18.5x14x13.5CM.

Packing: 18pcs/carton, 53x39x55cm, 15kgs

XC-304A New Style Brain Model

Demonstrate external features of human brain as a whole, as well as the relations between the component portions. Dissectible into 3 parts. Size: 18.5x14x13.5CM. On stand.

Packing: 18pcs/carton, 53x39x55cm, 15kgs





XC-304B New Style Brain Model 9 Parts

External features of the brain: cerebral hemisphere, brain stem,cerebellum. Dissectible into 9 parts.life- size, On stand. Size: 18.5x14x13.5CM.

Packing: 18pcs/carton, 53x39x55cm, 16kgs

XC-308 Brain with Arteries

External features of the brain: cerebral hemisphere, brain stem, cerebellum. The arterial supply of the brain: sources, vertebral, internal carotid arteries, arteria supply of the cerebellum and cerebrum. Dissectible into 8 parts. On stand. Size: 18.5x14x13.5CM.

Packing: 18pcs/carton, 53x39x55cm, 16kgs



XC-300 Anatomical Series





XC-308D Brain with Arteries 9 Parts

External features of the brain: cerebral hemisphere, brain stem,cerebellum. Dissectible into 9 parts, life- size with number. On stand. Size: 18.5x14x13.5CM.

Packing: 18pcs/carton, 53x39x55cm, 17kgs

XC-318 Brain with Arteries on Head

This model shows the brain structure inside the skull. Two halves brains can be disassembled into: frontal with parietal lobes, temporal with occipital lobes, half of brain stem, half of cerebellum. Dissectible into 9 parts, life-size.

Packing: 8pcs/carton, 48x39x51cm, 14kgs





XC-318B Head with Brain

This model shows the head structure including brain structure inside the skull. Dissectible into 10 parts, life-size.

Packing: 8pcs/carton, 53x40x47cm, 14kgs

XC-309 Nasal Cavity

This model shows the external and internal structures of the nasal cavity.
Magnified 1/2 the natural size. Made of PVC.

Packing: 20pcs/carton, 54x28x21cm, 6kgs

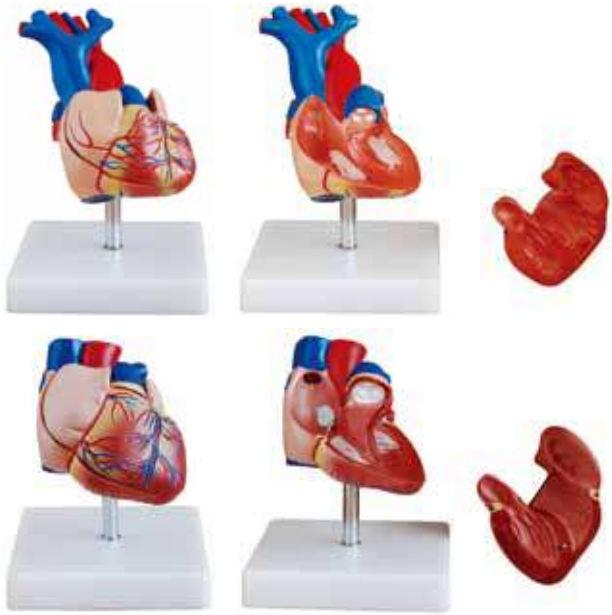




XC-307 Jumbo Heart Model

This model shows the external features and internal structures of the heart and its relation with the large blood vessels. A clearer conception of the routes of the systemic and pulmonary circulation can be obtained. Dissectible into 3 parts, 4 times enlarged. Made of PVC plastic. Size: 25x23x23CM.

Packing: 8pcs/carton, 58x45x50cm, 16kgs



XC-307A Life-Size Heart Model

These two models show the anatomy of human heart with ventricles, atriums, valves, veins, and the aorta in great anatomical detail. The front heart wall is removable to view the chambers and internal structures. Dissectible into 2 parts.

XC-307A Packing: 50pcs/carton, 66x30x38cm, 25kgs
XC-307B Packing: 32pcs/carton, 53x30x41cm, 16kgs

XC-307B New Style Life-Size Heart Model



XC-307C New Style Jumbo Heart Model

This model shows the anatomy of human heart with aortic arch, coronal section of atrium and ventricle, valves, and veins in great anatomical detail. Dissectible into 3 parts, 4 times enlarged.

Packing:8pcs/carton, 58x45x50cm, 17kgs

XC-307D Middle Heart Model

This model shows external features and internal structures of heart and its relation between large blood vessels. Dissectible into 5 parts, 3 times enlarged.

Packing: 8pcs/carton, 51x48x39cm, 12kgs



XC-310-1 Kidney Model (1 part)

The coronary section of the right kidney shows the renal hilus, renal blood vessels, ureter, renal pelvis of the kidney, the renal substance is demonstrated by its medulla and cortex, medullary pyramid, papillae etc. 2 times enlarged. Size: 20x10x4CM. On stand.

Packing: 20pcs/carton, 50x35x42cm,11kgs





XC-310-2 Kidney Model (2 parts)

The coronary section of the right kidney shows the renal hilus, renal blood vessels, ureter, renal pelvis of the kidney, the renal substance is demonstrated by its medulla and cortex, medullary pyramid, papillae etc. 2 times enlarged. Size:20x10x7CM. On stand.

Packing: 20pcs/carton, 50x35x42cm, 13kgs

XC-310-3 Human Kidney with Adrenal Gland

This model features the kidney with adrenal gland, renal and adrenal vessels and upper portion of the ureter. Dissected into 2 parts to reveal the cortex medulla, vessels and renal pelvis. Life size.

Packing: 32pcs/carton, 62x29x29cm, 15kgs





XC-310-4 Enlarged Kidney Model 1 Part

This model shows 3 times enlarged of the kidney, with adrenalglands, 2 components, showing the renal cortex, renal medulla,proximal convoluted tubule, distal convoluted tubule, medullaryloop, collecting duct, and papillary duct, calyces renales minors, calyces renales majors , renal pelvis, ureter, interlobular artery,vein, renal artery, vein and renicapsule.

Packing: 9pcs/carton, 58x37x29cm, 10kgs



XC-311 Liver, Pancreas and Duodenum Model

This model demonstrates the liver, spleen, blood vessels and pancreas. External structures are illustrated as well as the pancreatic duct of the pancreas. Also shows the abdominal aorta and inferior vena cava.
Dissectible into 3 parts. Size: 23x12.5x26.5CM.

Packing: 18pcs/carton, 53x39x55cm, 17kgs

XC-312 Liver Model

This model shows the basic anatomical structures of the liver. The complex vessels network in the opened liver, displayed in different colors in the liver model: hilus vessels, the extra-hepatic and intra-hepatic bile ducts. On stand.

Packing: 12pcs/carton, 53x35x45cm, 11kgs





XC-322 Circulatory System

The model represents a general view of the human circulation. It includes the heart (2 parts), lungs, liver, spleen, kidneys and relevant connections with the pulmonary and systematic circulatory pathways.

Packing: 2pcs/carton, 91x33x27cm, 9kgs



XC-315 Digestive System

This life-size digestive system model demonstrates the entire digestive system in graphic relief. It features: nose, mouth cavity and pharynx, esophagus, GI tract, liver with gallbladder, pancreas and spleen. The duodenum, caecum and rectum of the digestive system are opened. Dissectible into 3 parts. Mounted on baseboard.

Packing: 2pcs/carton, 91x33x27cm, 9kgs

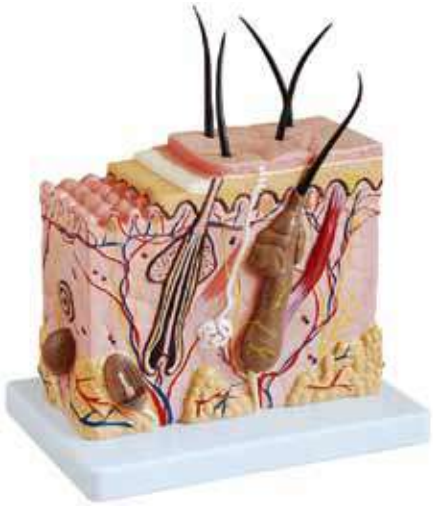
XC-300 Anatomical Series



XC-313 Enlarged Skin Model

A greatly enlarged (105 times) cross sectional view of the human skin showing three layers and a close-up view of a hair follicle, sweat gland, fatty tissue and more. Front, side and back view. Not dissectible. Size: 27x10x31CM.

Packing: 5pcs/carton, 88x38x38cm, 10kgs



XC-313-2 Skin Block Model

This model shows a section of human skin in three dimensional forms. Hair, sebaceous and sweat glands, receptors, nerves and vessels are shown in detail. 70 times enlarged.

Packing: 5pcs/carton, 70x27x25cm, 7kgs

XC-313-3 Skin Section Model

This model shows layers of skin, first rudiments of hair, sweat gland, sense organs of skin. Connected with side hinges. On base.

Packing: 5pcs/carton, 91x27x29cm, 8kgs



XC-316 Giant Eye Model



The different parts of the eyeball model are detachable to show the following structures.
1. Tunica external: showing cornea and sclera with attachments of ocular muscles and optic nerve
2. Tunica media: showing the iris, the ciliary body and the chorioid
3. Tunica internal is retina
4. Refraction media: showing the lens and the vitreous body
6 times enlarged. On stand.

Packing: 18pcs/carton, 53x39x55cm, 22kgs



XC-316A Giant Eye Model

This model is upgraded from XC-316, change the eyball to white color.

Packing: 18pcs/carton, 53x39x55cm, 22kgs

XC-316B Eye with Orbit

The model shows the eyeball with optic nerves and muscles in its natural position in the bony orbit. Dissectible into 10 parts, 3 times enlarged.

Packing: 8pcs/carton, 53x40x47cm, 10kgs





XC-317 Expansion Model of Urinary Bladder

This model shows the male urinary bladder with the prostate gland surrounding the urethra. Dissected medially to expose both internal and external structures.

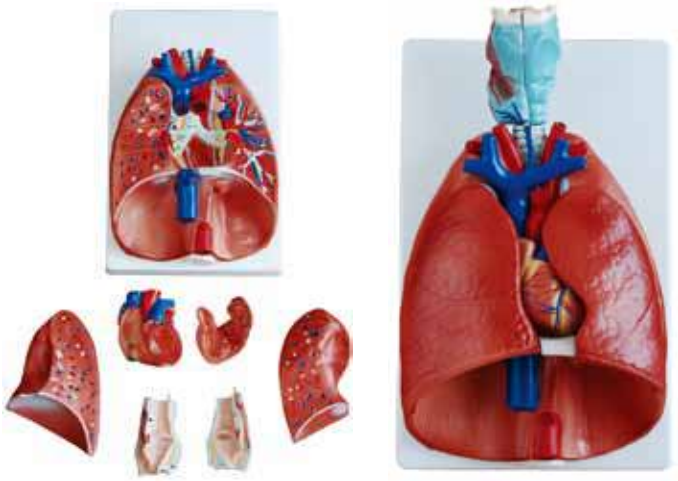
Packing: 20pcs/carton, 55x39x47cm, 13kgs

XC-300 Anatomical Series

XC-320 Larynx, Heart and Lung Model

This life-size model is separated into 7 parts. The lungs have two removable lobes to show the internal structures, the heart bisects showing atria, ventricles and valves, the larynx bisects and the diaphragm is shown. On stand. Size: 36x23x12CM.

Packing: 6pcs/carton, 48x45x40cm, 14kgs





XC-321 Lung Model

A life-size model separating into 4 parts. The lungs have two removable lobes to show the internal structures. On stand.

Packing：8pcs/carton, 67x52x35cm, 14kgs

XC-321B Lung Model 1 Part

Life-size, cutaway lung model shows bronchus, arteries, veins, lymph nodes, bronchial passage and trachea bifurcation.

Packing：10pcs/carton, 77x32x36cm, 6kgs





XC-330 Model of the Transparent Lung Segment

This model presents 10 segments in the right lung and 8 in the left. The distributions of the bronchial tree can be observed through the transparent lungs. The lung made of transparent plastic. The trachea and bronchial tree is made of PVC. 2 times enlarged.

Packing: 4pcs/carton, 83x36x39cm, 6kgs



XC-319 Median Section of the Head

This model shows all relevant structures of the human head in great detail.

Packing: 5pcs/carton, 38.5x35x25cm, 5kgs

XC-319A Frontal And Median Section of The Head

Life size representation of the superficial and the internal structures of the head and neck. Comparison between frontal and median sections provides a superior understanding of the anatomical structures of the head and neck.

Packing: 10pcs/carton, 39x35x29cm, 9kgs





XC-319B Frontal Section of the Head

This model shows frontal section of the head passing through the cranial bone, frontal brain, the right and left orbita, the nasal cavity, the cavity of pharynx and the oral cavity.

Packing: 2pcs/carton, 45.5x31.5x24cm, 2kgs



XC-324 Model of the Head

This model shows the interior parts of the mouth cavity and pharynx with network of vessels and trigeminal nerves.

Packing: 10pcs/carton, 40x35x29cm, 6kgs

XC-300 Anatomical Series



XC-325 Palm Anatomy

These life size models show the superficial and internal structures of the palm. Dissectible into 4 parts.

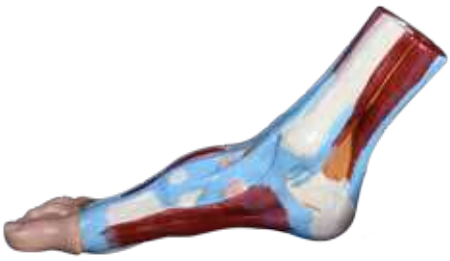
Packing: 10sets/carton, 74x43x29cm, 9kgs



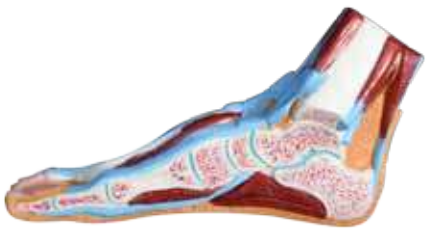
XC-326 Normal, Flat and Arched Foot

These models show the anatomical structure and the distal end of tibia of normal, flat and arched foot.

Packing: 10sets/carton, 74x43x29cm, 13kgs



XC-326A Foot Anatomical Model



XC-326B Foot Section Model

XC-326A Demonstrates the anatomical features of muscle, sinew, and bones.
XC-326B Shows the medium section of foot.

Packing: 6pcs/carton, 55x35x33cm, 4kgs



XC-331 Male Urogenital System

Demonstrate the external features of the urogenital system and the internal structures of the kidney, urinary bladder, penis and testicle.Made of PVC plastic.

Packing:16pcs/carton, 75x38.5x40cm, 16kgs



XC-331A Human Male Pelvis Section (1 part)

This median section model shows the normal position of male genital organs with bladder and rectum in the male pelvis. Made of PVC.

Packing: 8pcs/carton, 57x46x62cm, 15kgs



XC-332 Female Urogenital System

This model shows kidney, ureters, urinary bladder, uterus, accessories of uterus, vagina, ovary membrane, ligaments, uterus ligament and its artery etc. Made of PVC plastic.

Packing: 16pcs/carton, 72x37.5x40cm, 14kgs

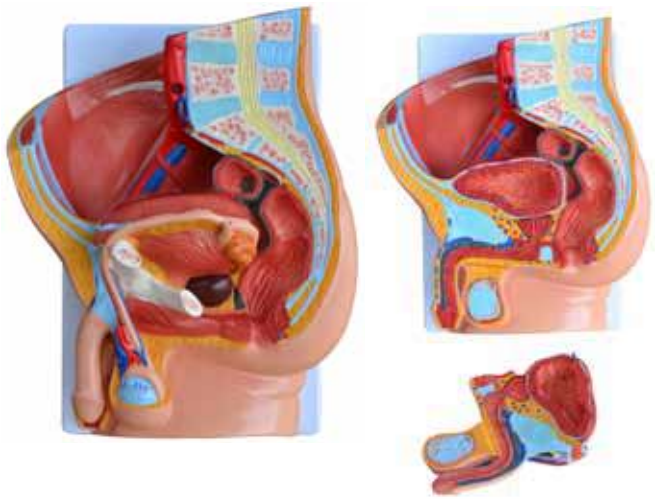


XC-332A Human Female Pelvis Section (1 Part)

The median section model shows female genital organs with bladder and rectum. The abdominal and pelvis muscles are detailed shown. Made of PVC plastic.

Packing: 8pcs/carton, 57x46x62cm, 15kgs

XC-300 Anatomical Series



XC-331B Human Male Pelvis Section (2 Parts)

This median section model shows the normal position of male genital organs with bladder and rectum in the male pelvis. Dissectible into 2 parts.

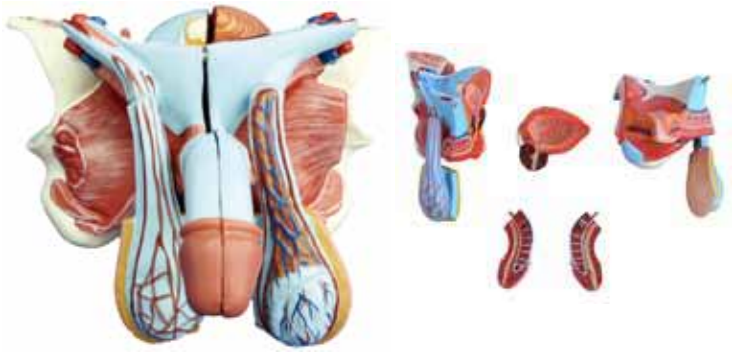
Packing: 4pcs/carton, 37x55x37cm, 10kgs



XC-332B-1 Human Female Pelvis Section (2 Parts)

This median section model shows the normal position of female genital organs with bladder and rectum in the female pelvis. The abdominal and pelvis muscles are detailed shown. Made of PVC plastic.

Packing: 2pcs/carton, 40.5x33x40.5cm, 6kgs



XC-331D Male Genital Organ Model

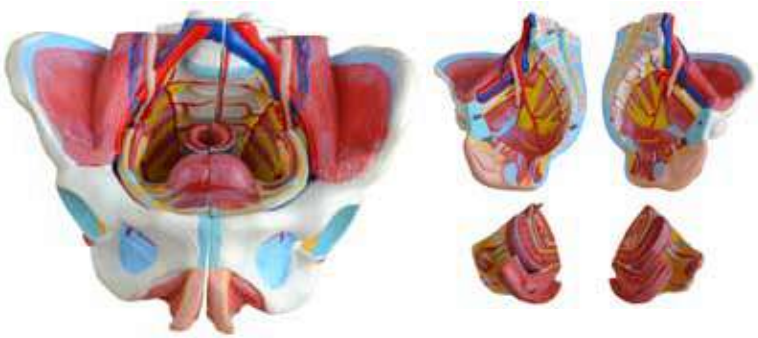
This anatomical model shows the interior and exterior structure of male genital organ. Dissected into 5 parts. Life size.

Packing: 20pcs/carton, 53x39x47cm, 16kgs

XC-332D Female Pelvis Model

This model is and painted in life-like color. It shows all the interior and exterior female organs, blood vessels, ligaments, nerves, muscle structures within the framework of the bony pelvis. Life size.

Packing: 10pcs/carton, 74x43x29cm, 11kgs





XC-331C Advanced Male Internal & External Genital Organs

Used to practice the insertion of a lubricated catheter through a collapsible external urethra meatus into the bladder with this realistic model.

Packing: 20pcs/carton, 55x39x47cm, 10kgs

XC-332C Advanced Female Internal & External Genital Organs

This model allows students to locate the urethra and pass a lubricated catheter through it into the bladder.

Packing: 20pcs/carton, 50x35x42cm, 10kgs





XC-332B Human Female Pelvis Section (4 parts)

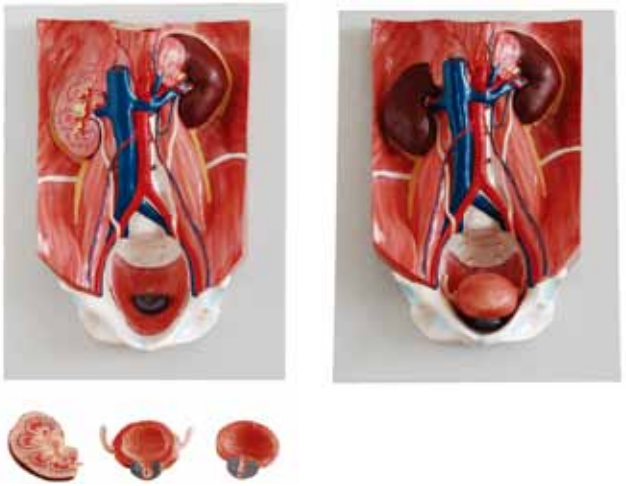
This median section model shows the female pelvis during the 40th week of pregnancy with a removable fetus. Demonstrate normal position of child before birth, female genital organs, human reproductive and urinary systems. A uterus with embryo in 3rd month of pregnancy is mounted on base for study.

Packing: 4pcs/carton, 77x54x42cm, 16kgs

XC-333 Urinary System Model

The model shows the structures of retroperitoneal cavity, pelvis with bones and muscles, inferior vena cava, aorta with its branches,upper urinary tract, kidney with adrenal gland, ureter, bladder, etc. Dissectible into 4 parts.

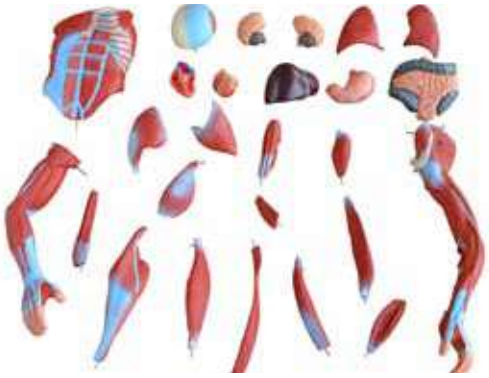
Packing: 5pcs/carton, 85x39x28cm, 11kgs



XC-300 Anatomical Series







XC-334 80CM Human Muscle Model Male (27 Parts)

This human muscle model including 27 dissectible parts: body, cut calvarium, brain (2 parts), thoracic and abdominal wall, right arm, left arm (5 parts), leg (9 parts), lung (2 parts), heart (2 parts), liver, stomach and intestine. Size: 80CM.

Packing: 1pcs/carton, 90x39x26cm, 8kgs



XC-335 50CM Human Muscle Model Male (1 Part)

This model is quite suitable for muscle anatomical study, which shows topography of muscle.

Packing: 4pcs/carton, 55x41x56cm, 8kgs





XC-338 Life Size Human Muscle Foot Model (7 Parts)

This anatomically detailed model of the foot and lower leg can be disassembled into 7 removable parts for detailed study of the foot and ankle. The foot skeleton features not only the bones but also the muscles, tendons, ligaments, nerves, arteries, and veins of the foot.

Packing: 6pcs/carton, 55x35x33cm, 4kgs





XC-336 Muscle of Human Arm (7 Parts)

This model can be dissectible into 7 parts to show detailed anatomical structure of the arm, with superficial and deeper muscles, vascular structures, nerves and ligaments in greater detail. Hand and the shoulder are well represented.

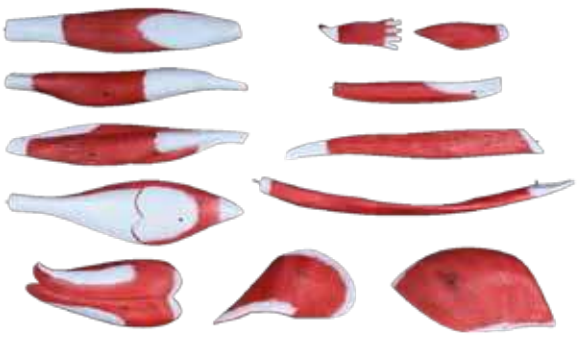
Packing: 1pcs/carton, 77x22x19cm, 4kgs



XC-337 Muscle of Human Leg (13 Parts)

This deluxe muscular model shows in great details the anatomical structure of the leg. The superficial and deeper muscles, vascular structures, nerves and ligaments are all accurately represented.
The following parts are removable:
-Sartorius
-Long head of biceps
-Gluteus maximus
- Soleusm
-Gastrocnemius
- Gracilis
- Semitendinosus and Semimembranosus
- Rectus femoris
- Extensor digitorumlongus
- Sole of foot
- tensor fasciae latae.

Packing: 1pcs/carton, 109x26x23cm, 11kgs



XC-400 Simulator Series



XC-403 Dental Care Model (28 teeth)

These models are to serve for demonstration in mouth protection and relative clinical teaching. Consists of gum, teeth, tongue and palate. It demonstrates teeth form and oral cavity cleaning and protection. With tooth brush.

XC-403 28 teeth 19x16x11cm
Packing: 20pcs/carton, 53x39x47cm, 15kgs
XC-403A 32teeth 24x16.2x13.7cm
Packing: 20pcs/carton, 64x53x38cm, 22kgs

XC-403A Dental Care Model (32 teeth)

XC-403B Small Dental Care Model (28 teeth)
XC-403C Small Dental Care Model (32 teeth)

These models are to servc for demonstration in mouth protection and relative clinical teaching. Consists of gum, teeth, tongue and palate. It demonstrates teeth form and oral cavity cleaning and protection. With tooth brush.

XC-403B 28 teeth 11x16.5x11cm
Packing: 30pcs/carton, 55x39x47cm, 13kgs
XC-403C 32 teeth 11.3x17x10cm
Packing: 30pcs/carton, 55x39x47cm, 13kgs





XC-403D Dental Care Model (with Cheek)

Model is making from the life size dental. Anatomical structure including: cheek, palatal, teeth(crown), gums, upper and lower dental arch, tongue. It demonstrates teeth form and oral cavity cleaning and protection.

Packing: 32pcs/carton, 62x29x29cm, 15kgs



Entrenador DEA

SYNCROTECH
Equipamiento médico + Simulación

SIMULADOR DEA PARA ENTRENAMIENTO CON PANTALLA



El entrenador DEA ATM-112 está diseñado para capacitar eficazmente al socorrista en el uso de un desfibrilador externo automático (DEA). Su novedosa y práctica batería interna recargable le otorga autonomía y permite su uso prescindiendo de cables o pilas. Esta unidad de capacitación proporciona una variedad de escenarios pre-programados para ayudar a los socorristas a familiarizarse con un DEA y les permite demostrar las habilidades básicas necesarias para usar un DEA en una emergencia. El entrenador DEA ATM-112 proporciona descargas simuladas para garantizar la seguridad durante el entrenamiento.

Características

- Pantalla Color Interactiva que guían al estudiante durante el proceso
- Metrónomo audible y visual
- Operación con dos botones: encendido / descarga
- Batería interna recargable de hasta 10 hs de autonomía
- Parches de entrenamiento adulto y pediátrico reutilizables
- Características de la pantalla de video Persona animada que realiza compresiones y ventilaciones en tiempo real
- Sistema bilingüe con lenguaje español por defecto
- Estuche termoformado de gran protección y resistencia para su traslado
- Ajuste de volumen
- Salida para parlantes externos
- Control remoto que permite el manejo de los escenarios, pausar y reanudación de los mismos, modificación o el desarrollo de escenarios durante la práctica.

Contenido:

Unidad principal AED
Estuche rígido
Control remoto (*)
Pads Adulto reutilizable (1 par)
Pads Pediátricos reutilizables (1 par)
Cable de conexión de pads
Cargador de pared
Manual de Usuario

(*) No incluye pilas del control remoto



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VIRTEASYDENTAL

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VIRTEASY DENTAL V2

Key specifications

Display..... 19" 1080HD
Touchscreen.. 17" 1080HD
Weight..... 155LBS / 70KG
Dimensions..... H52.8 to 62.6" / W19.3" / D26"
Haptic Arm.....X.Y.Z Force
UP to 1.8 LBF (7.9N)
Peripherals..... Foot pedal
Tracking mirror
VR headset





Full immersion
Train within a patient's mouth
Practice in realistic environments
In full VR mode you can activate hand tracking for mixed-reality

(Haptic) dental tool
Force feedback

3D Mouse
Navigate with ease

Operating system
Custom linux build

Mechanical motors
Fully height adjustable

Mirror tool
Perform activities naturally

No overheating
Fully integrated and ventilated

Foot pedal

CLASSIC MODE — **FULL VR** MODE

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Nosirova Jamilahon - Student of Tashkent

Tashkent State Dental Institute

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Development Partner: The University of Sheffield



The University of Sheffield

VIRTEASY **DENTAL** - TEACHER MODULE

Adema University

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CREATE NEW EXERCISES

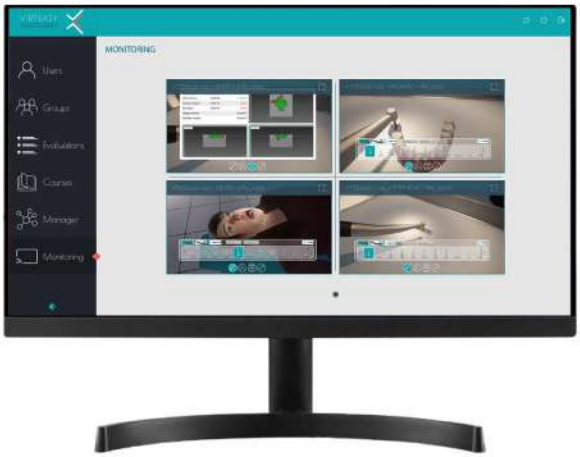
- USE DICOM & STL SCANS
- LIBRARY OF TEETH / CARIES NEW
- MULTIPLE STL IMPORT
- PLAN IMPLANTS
- SET PASS CRITERIA



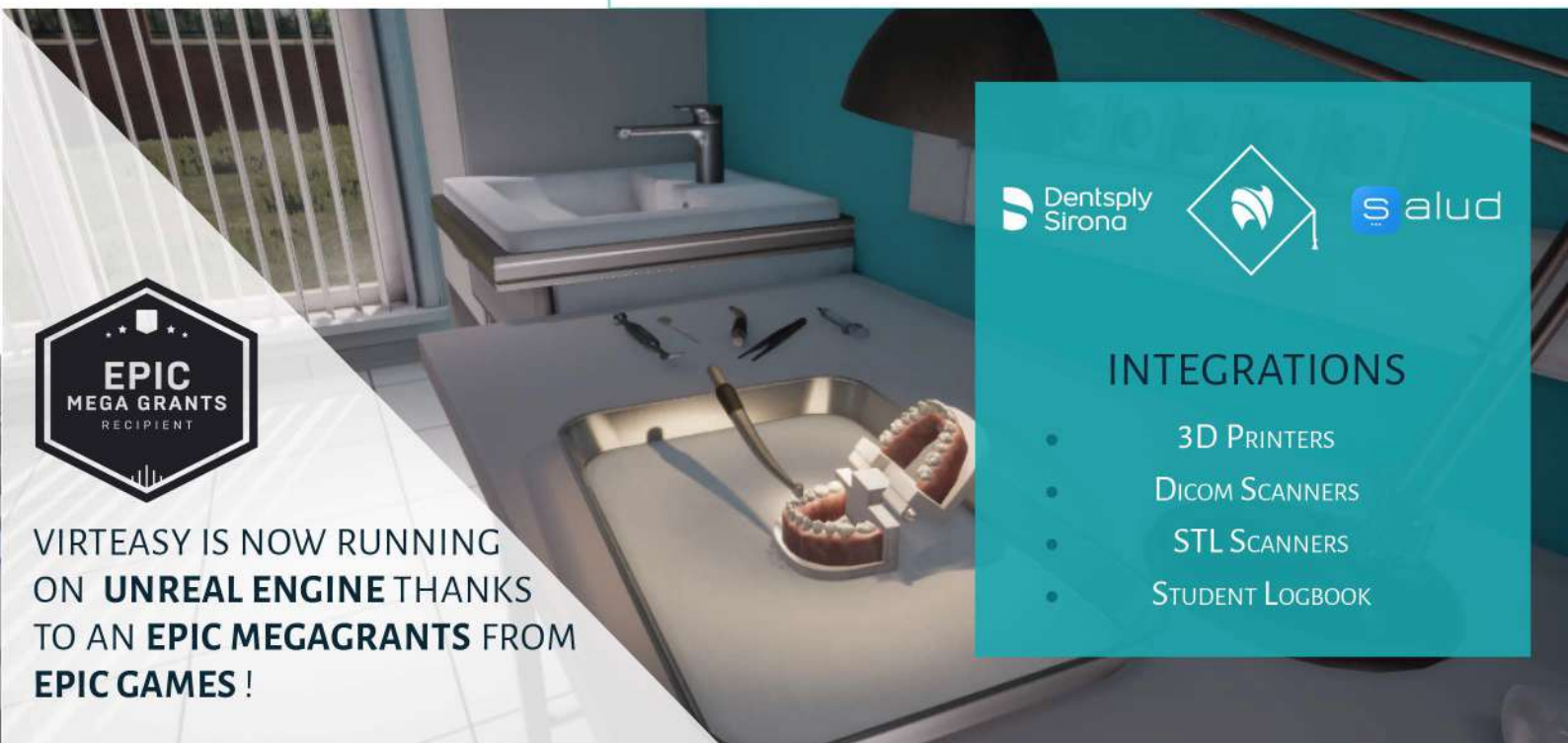
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- EXPORT USER EVALUATIONS / STL
- MANAGE / ALLOCATE COURSES NEW



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- DICOM SCANNERS
- STL SCANNERS
- STUDENT LOGBOOK



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navadha

NAVADHA DENTAL

PRODUCT CATALOG

2025



www.navadha.com

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Mumbai 400034 INDIA



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SIM20

DOUBLE-SIDED PHANTOM HEAD SIMULATOR FOR DENTAL TRAINING



This space-efficient phantom head table combines durability and functionality, featuring a sturdy 2mm thick metal frame, flame-retardant, eco-friendly and with a corrosion-resistant PU coating, ensuring long-term reliability with minimal environmental impact. The tabletop is crafted from high-quality Termite resistant, flame retardant, water proof, Marine Plywood and finished with a durable post-formed laminate, which is moisture-resistant, easy to clean, and highly resistant to scratches, dents, and fungal growth.

Each workstation includes:

- Independent Phantom Head: Constructed from stainless steel for rust resistance, with adjustable height, angulation, and reclining features for personalized positioning.
- Realistic Typodont Jaw Set: Featuring soft gums, a silicone stretchable cheek with water drainage, and a universal articulator compatible with all jaw types.
- Integrated Storage: A convenient drawer to store tools and materials.
- Delivery Unit: Includes fast and slow handpiece connections, an air-water syringe, actuating foot pedal, and separate bottles for fresh and waste water.
- LED Dental Examination Light: Adjustable brightness ranging from 8,000 to 25,000 lux for optimal lighting during procedures.

Optional accessories such as mounts for display monitors, AV equipments and cameras are available, allowing for the recording and transmitting training sessions. The unit is designed for quick and easy installation, making it an ideal solution for modern dental training environments.

SIM40

DUAL TORSO BENCH SIMULATOR



Compact, Double-Sided Phantom Head Table

- Durable Construction: Crafted from 2mm thick metal with a PU-coated frame for corrosion resistance, flame safety, and eco-friendliness.
- Premium Tabletop: Made of MDF with a post-formed, durable laminate finish that is moisture, fungus, scratch, and dent resistant, ensuring easy maintenance.
- Advanced Phantom Head System:
- Unbreakable high-impact polymer torso with stainless steel and aluminium rust-proof components.
- Adjustable torso and head with reclining, height, and angulation options.
- Includes soft gums typodont jaw set, Fletcher mask with water drainage, and a universal articulator compatible with all jaw types.
- Convenient Features:
- Integrated storage drawer for added organization.
- Delivery unit equipped with fast and slow handpiece coupling, air-water syringe, foot pedal, and separate bottles for fresh and waste water.
- Adjustable LED dental examination light with brightness settings ranging from 8,000 to 25,000 lux.
- Optional Enhancements: Add display monitors to allow students to watch live streaming of trainer, Video camera for trainer to evaluate student's task and communicate, Supporting AV equipment, making it a more versatile & scalable setup.

NA004

ISIM BENCH MOUNT





The iSIM Bench Mount is suitable for a wide range of dental training exercises. This design enables exercises with realistic elasticity and space constraints, enhancing the overall training experience. Its ergonomic design supports all necessary movements, making it easy to adjust for different training scenarios. It can be used for variety of training in Implantology, Prosthetic, Endodontics, Periodontics, Pedodontics, Surgery, Orthodontics, Cosmetic Dentistry.

Key Features:

- 360° Dome Skull & Fletcher Mask: Fully encloses the jaws, simulating human cheeks and allowing for water spray in realistic oral cavity exercises.
- Mounting Flexibility: Compatible with up to 6 cm thick tabletops and offers multiple mounting options, including Bench Mount, Dental Chair Head Rest Mount, Table Top Display Mount, and Under Table Slider Mount.
- Typodont Teeth: Securely held with screws, allowing for easy replacement. Jaws are held either by screws or magnetically, enabling quick access for teeth changes.
- Water Drainage Facility: Effectively drains water generated by dental turbines, maintaining a clean and functional training environment.

Articulator Options:

- Quick Disconnect Magnetic Articulator: Minimizes downtime when changing teeth, offering a more efficient training experience.
- Universal Articulator: Compatible with most brands of typodont jaws, adding versatility to the system.

NA 236

DENTAL CHAIR HEADREST MOUNT





The Dental Chair Head Rest Mount Assembly is the ideal solution for users who want to integrate manikin-based training with the functional components of a dental chair in a clinical environment. Perfect for both training and personal practice, it offers an excellent way for students and practitioners to hone their skills using realistic setups.

Key Features:

- Components Include: Full Dome Skull, Fletcher Mask, Articulator, Typodont Jaw with 32 Teeth & Soft Gums, and the Bench Mounting Assembly.
- Adjustability: The system allows for flexible positioning in all necessary working positions, with the Jaws Table mounting supporting a 9 to 12 o'clock positioning range.
- Mounting Compatibility: Can be mounted on most dental chair headrest.
- Typodont Teeth: Securely held by screws, making them easy to replace. The jaws are fixed by screws or knobs, enabling straightforward access for teeth changes.

Optional Features:

- Quick Disconnect Magnetic Articulator: Reduces downtime for quick and efficient teeth changes during practice.
- Water Drainage Connector & Silicone Tubing: Facilitates working with water during training exercises, ensuring a cleaner and more realistic simulation.
- Universal Articulator: Compatible with most brands of typodont jaws, adding flexibility and convenience to your training setup.

NA260

NEO BENCH MOUNT





The strong aluminium Hard Metal Skull with Ears suitable for placing face bow, paired with an Advanced Magnetic Articulator, provides a highly realistic and versatile dental training solution. The condylar ridge moves forward as the mandible is pushed down to open, and locks into place to maintain the ideal mouth opening.

Key Features:

- Aluminum Hard Metal Skull with Ears: Durable and realistic, designed to withstand repeated use while maintaining high-fidelity simulation.
- Advanced Magnetic Articulator: Features condylar ridges and a TMJ-simulating ramus. The articulator allows for smooth, controlled jaw movement, with locking mechanisms for precise mouth opening.
- Magnetic Jaws: Quick and easy access to change the typodont teeth, with magnetic retention for secure positioning.
- Fletcher Mask: Fully encloses the jaws, allowing for water spray simulations, while the realistic elasticity supports limited space exercises and ergonomic movements.
- Typodont Jaw with 32 Teeth & Soft Gums: Designed for realism, the teeth are retained with screws for easy replacement.
- Mounting Flexibility: Can be mounted on tabletops up to 6 cm thick with multiple mounting options.
- A retention spring ensures that the jaws return to occlusion after movement, mimicking the natural bite.

NA302

PORTABLE CASE FOR MANIKINS



The Portable Case for Manikins provides a secure and convenient way to transport and store your manikins. Designed with mobility in mind, this case is ideal for training centers offering remote or online programs, mobile training sessions, exhibition displays, in-clinic product demonstrations, or loaning manikins to dentists for hands-on practice.

Key Features:

- Safe Transport & Storage: Keeps your manikins secure and protected during transport, ensuring they remain in top condition.
- Versatile Applications: Perfect for remote or online training, mobile workshops, exhibitions, product demos, or loaning for hands-on practice.
- Durable & Compact Design: Built to withstand the rigors of travel while maintaining a lightweight and portable profile for easy handling.

This portable case is the perfect solution for those needing to transport manikins across various locations while ensuring they are protected and ready for use.

NA003

ITORSO PHANTOMHEAD



The iTORSO Phantomhead Mannequin provides a comprehensive solution for realistic dental training. This life-size mannequin head is designed for dental chair mounting and comes complete with a watertight face mask, typodont, and a full torso, offering a true-to-life simulation of patient care.

Key Features:

- Life-Size Torso & PhantomHead: Simulates real patient positioning, allowing trainees to practice in a clinical environment.
- The head can be moved similar to a natural neck movements.
- Watertight Face Mask & Typodont: Includes a fully sealed face mask for water spray exercises and a realistic typodont for practicing dental procedures.
- Dental Chair Compatibility: Straps onto most dental chairs, enabling the use of all chair functions such as delivery unit, examination lights, suction, and height/angle adjustments.
- Detachable Head: The head part can be easily removed, allowing it to be mounted on a bench for additional flexibility in training setups.

The iTORSO PhantomHead Mannequin combines realism with versatility, making it an essential tool for both student practice and professional training. Its seamless integration with dental chair systems ensures a comprehensive learning experience that mimics actual patient procedures.

NA225

CSIM PHANTOMHEAD





The cSim Phantomhead Mannequin with a smaller torso features a simple, modular design that allows you to build your own custom dental simulator workstation. Perfect for simulator system integrators and assemblers, this kit provides an economical, ready-to-use solution that streamlines the setup process, saving time and effort.

Key Features:

- Compact, Modular Design: The smaller torso design is ideal for building customized dental simulator workstations tailored to your needs.
- Ready-to-Use Solution: This pre-configured kit simplifies the integration process, providing a time-saving, cost-effective option for system integrators.
- Complete Set: Includes a watertight face mask, typodont, and life-size mannequin head, ready to be mounted on a dental chair or bench.
- Dental Chair Compatibility: Straps easily onto most dental chairs, enabling full use of the chair's features such as the delivery unit, examination lights, suction, and height/angle adjustments.
- Detachable Head: The head can be quickly removed for easy bench mounting, offering flexibility in your training setup.

This smaller torso offers an efficient, flexible, and affordable solution for creating custom dental simulator systems, making it an excellent choice for system integrators looking for a hassle-free setup.

NA001

IPHANTOM BENCH MOUNT ASSEMBLY





The iPhantom Bench Mount Assembly is the perfect solution for users seeking an affordable yet high-quality and functional training tool. It is ideal for both students and practitioners, offering an effective way to practice and refine skills during training and personal practice sessions. Crafted with precision-engineered components made from stainless steel and engineering-grade aluminium, this assembly ensures durability, corrosion resistance, and smooth, effortless movement.

Key Features:

- Components Include: Half Dome Skull, Half Face Fletcher, Fixed Mouth Opening Articulator, Typodont Jaw with 32 Teeth & Soft Gums, and the Bench Mounting Assembly.
- Adjustability: The mounting assembly allows the unit to be positioned in various working angles, with the Jaws Table mounting offering versatility from the 9 to 12 o'clock position.
- Compatibility: The unit can be mounted on tables up to 6 cm thick.
- Typodont Teeth: Retained securely with screws, making them easy to change. Jaws are held in place with screws in knobs, allowing for easy access when changing teeth.

Optional Features:

- Quick Disconnect Magnetic Articulator: Allows for fast typodont jaw swaps, reducing downtime during practice.
- Water Drainage Connector & Silicone Tubing: Ideal for working with water during training sessions.
- Universal Articulator: Compatible with most other brands of screw in type typodont jaws models for additional versatility.

NA214

NAVADHA ZX TYPODONT JAW



The Navadha ZX Typodont Jaw is a high-quality adult dentition model, designed with anatomical precision to simulate natural teeth and gums. This typodont features detailed crown morphology, providing a lifelike training experience for dental students and professionals.

Key Features:

- Adult Dentition Model: Replicates natural adult teeth with anatomically shaped crowns and detailed morphology.
- Natural Tooth Feel: Teeth made from hard thermosetting resin that cuts and feels like natural tooth material, offering a realistic tactile experience.
- Durable Polymer Jaw Base: Strong and sturdy base for long-lasting performance, ensuring secure attachment during training.
- Soft Anatomical Gingiva: Simulated gingiva is anatomically shaped for a lifelike gum line, enhancing the realism of the model.
- Replaceable Teeth: Teeth are securely held with screws and can be easily replaced as needed, ensuring extended usability.

The Navadha ZX Typodont Jaw is ideal for dental education, providing a realistic, durable, and customizable solution for a wide range of dental training applications.

NA216

NAVADHA ZX JAW REPLACEMENT TEETH FOAM SET



The Navadha ZX Jaw Replacement Teeth Foam Set provides a convenient solution for replacing worn or damaged teeth in the Navadha ZX Adult Dentition Jaw Model. These replacement teeth are anatomically shaped with detailed morphology to closely resemble natural teeth.

Key Features:

- Anatomical Shaping: Crowns are designed with intricate details to mimic the morphology of natural adult teeth.
- Natural Tooth Feel: Made from hard thermosetting resin, the teeth cut and feel like natural tooth material, offering a realistic tactile experience.
- Complete Set: Available as a set of 32 teeth in foam for easy installation or as loose individual teeth (NA216-A) in a bag for more flexibility.
- Compatibility: Designed specifically for the Navadha ZX Adult Dentition Jaw Model.

These replacement teeth are perfect for maintaining and extending the life of your Navadha ZX Typodont Jaw, providing continued realism and durability for training purposes.

NA217

NAVADHA ZX JAW REPLACEMENT INDIVIDUAL TEETH



The Navadha ZX Jaw Replacement Individual Teeth offer a convenient solution for replacing individual teeth in the Navadha ZX Adult Dentition Jaw Model. Crafted from hard thermosetting resin, these teeth are designed to cut and feel like natural teeth, providing a realistic experience for dental training.

Key Features:

- Natural Tooth Feel: Made from high-quality hard thermosetting resin, these replacement teeth cut and feel like natural teeth for an authentic training experience.
- Individual Teeth: Sold loose in a bag, allowing for easy selection and replacement of specific teeth as needed.
- Compatibility: Designed specifically for the Navadha ZX Adult Dentition Jaw Model.
- Retention Screws (Sold Separately): The teeth are retained with screws, which are available separately for secure installation.

These individual replacement teeth are ideal for maintaining the functionality and realism of your Navadha ZX Typodont Jaw, ensuring a lasting and effective training tool.

NA220

NAVADHA ZX REPLACEMENT GINGIVA PAIR



TThe Navadha ZX Replacement Gingiva Pair is designed for use with the Navadha ZX Adult Dentition Jaw Model, providing a realistic and durable simulation of natural gums. Made from soft silicone material, these gingiva pieces replicate the anatomy and texture of real human gums.

Key Features:

- Realistic Gingiva Design: Soft silicone material mimics the feel and appearance of natural gingiva, enhancing the overall realism of the jaw model.
- Cervical Contours: Carefully crafted cervical contours replicate the natural anatomy of the gums, providing a lifelike training experience.
- Complete Set: Available as a pair, including 1 upper and 1 lower gingiva piece for full coverage.
- Perfect Fit: Specifically designed for use with the Navadha ZX Adult Dentition Jaw Model.

The Navadha ZX Replacement Gingiva Pair is an essential accessory for maintaining the authenticity and longevity of your training model, offering a highly realistic simulation for dental practice.

NA305

PROSTHETIC UPPE JAW WITH PREPARED TEETH FOR BUILDUPS AND POST-AND-CORE RESTORATIONS





This specialized dental model is designed to simulate buildups and post-and-core restorations, making it ideal for dental professionals to practice and refine their prosthetic skills. Featuring a highly detailed upper jaw design, the model includes prepared teeth that are specifically crafted for practicing these advanced restorative procedures.

Key Features:

- Upper Jaw Design: The model features a detailed upper jaw with prepared teeth, designed to replicate common clinical situations encountered in post-and-core restoration procedures.
- Prepared Teeth for Buildups: The teeth are prepared for buildups, allowing practitioners to simulate the process of building up teeth for further restorative work, such as crowns or bridges.
- Post-and-Core Preparation: The model includes teeth specifically designed for practicing post-and-core restorations, enabling detailed simulations of post placement, core buildup, and crown preparation.
- Replaceable Elements: The model features 14 screw-fixed teeth that can be replaced as needed, offering extended use and the ability to practice on different tooth types and areas of the jaw.
- Elastic Gingiva: The elastic gingiva is designed with well-defined interdental papillae, replicating the soft tissue anatomy found in real patients. This feature provides a more realistic simulation for practitioners, helping them manage gingival tissues during restorative procedures.

This model is a perfect training tool for dental professionals and students focused on prosthetic restoration techniques. It offers a high level of anatomical accuracy for practicing buildups, post-and-core restorations, and soft tissue management, ensuring an effective hands-on learning experience.

NA308

REPLACEMENT TEETH FOR NA 305 PROSTHETIC DENTAL MODEL WITH PREPARED TEETH FOR BUILDUPS AND POST-AND-CORE RESTORATIONS



These replacement teeth are designed specifically for use with the Prosthetic Dental Model with Prepared Teeth for Buildups and Post-and-Core Restorations, offering an essential component for continuous practice and training. The replacement teeth are crafted to maintain the model's high level of realism and functionality, allowing for repeated use in practicing restorative procedures.

Key Features:

- Replacement Teeth for Upper Jaw Design: These replacement teeth are specifically designed for the upper jawof the prosthetic model, maintaining the same anatomical detail and shape as the original teeth.
- 14 Screw-Fixed Teeth: The set includes 14 screw-fixed replacement teeth that securely attach to the model, ensuring long-term durability and flexibility for repeated practice.
- Prepared for Buildups and Post-and-Core Restorations: These replacement teeth are prepped for buildups and post-and-core restorations, making them ideal for practicing these advanced prosthetic procedures.
- Elastic Gingiva Compatibility: Designed to work seamlessly with the model's elastic gingiva, which features well-defined interdental papillae, allowing for realistic soft tissue handling during restoration and post-placement exercises.
- Realistic Simulation: The teeth are crafted with high attention to detail, maintaining the model's lifelike characteristics to provide a true-to-life experience when practicing various prosthetic and restorative techniques.

These replacement teeth are the perfect solution for continuing training with the Prosthetic Dental Model. Ideal for dental students and professionals, they offer the flexibility to practice buildups, post-and-core restorations, and soft tissue management over multiple sessions.

NA306

ANTERIOR DENTITION MODEL FOR DIRECT AND INDIRECT RESTORATIONS AND CORE RESTORATIONS (UPPER)





This versatile dental model is designed specifically for practicing direct and indirect restorations in the anterior dentition. Featuring a shortened dental arch, the model is perfect for simulating real-life clinical scenarios involving restorative procedures on the front teeth. The elastic gingiva mimics natural gum tissue, providing a realistic soft tissue experience without sticking to the A-silicone material, enhancing the overall training process.

Key Features:

- Shortened Dental Arch: The model features a shortened dental arch, focusing on the anterior dentition and allowing for more concentrated practice in the front teeth, ideal for practicing restorative procedures in this area.
- Elastic Gingiva: The elastic gingiva mimics real gum tissue, offering a lifelike simulation of soft tissue handling during restorations. It is designed to not stick to the A-silicone material, ensuring smooth operation when working with impression materials or restorative compounds.
- Replaceable Teeth Elements: The model includes six replaceable teeth that are securely fixed with screws, providing flexibility for various practice scenarios and allowing for the replacement of individual teeth as needed.
- Ideal for Direct and Indirect Restorations: Whether practicing direct restorations (e.g., fillings, composites) or indirect restorations (e.g., crowns, bridges), this model offers the perfect environment for learning both techniques in anterior dental work.

This model is an excellent training tool for dental professionals and students focusing on anterior restorations, including both direct and indirect procedures. Its realistic design and replaceable components make it a valuable resource for hands-on learning and skill development.

SP001

HARD GUMS JAWS WITH 32 TEETH



This practice model features hard gingiva with 32 thermosetting resin teeth, securely retained with screws from the back. The teeth are easily changeable, making this model ideal for prosthodontic training, including impression taking and various restorative procedures.

Key Features:

- Hard Gingiva: The model includes rigid gingiva, offering a realistic surface for impression taking and prosthodontic procedures that require firm gum tissue.
- 32 Changeable Teeth: Teeth are made from durable thermosetting resin, which mimics the feel and function of natural teeth. The teeth are secured with screws and can be easily removed and replaced as needed.
- Versatile Prosthodontic Training: Perfect for practicing techniques such as impression taking, crown preparation, and other restorative procedures that require working with rigid gingiva.
- Durable and Realistic: The hard gingiva and changeable teeth provide long-lasting performance and a realistic training experience for prosthodontic students and professionals.

This model is highly recommended for training in prosthodontics, offering a versatile and durable tool for practicing a wide range of restorative and impression techniques.

SP001-P

PARTIAL EDENTULOUS HARD GUMS MODEL



The Partially Edentulous Practice Jaw is designed to simulate a partially missing dentition, providing a realistic platform for practicing restorative and prosthetic procedures. Featuring thermosetting teeth retained with screws from the back, this jaw model allows for easy replacement of individual teeth.

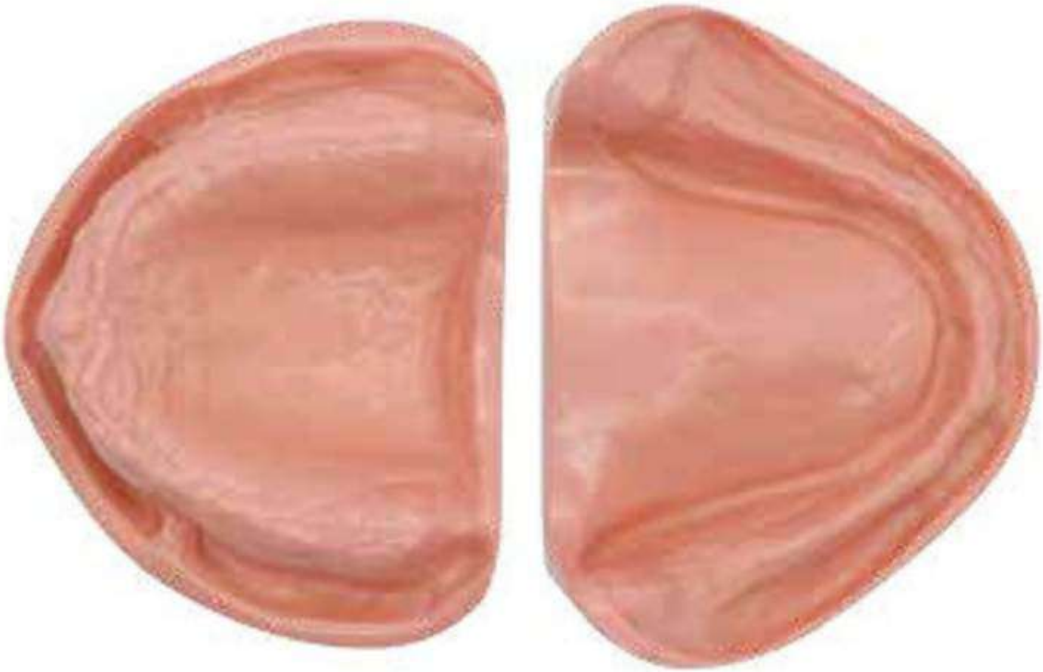
Key Features:

- Partially Edentulous Design: Simulates a realistic dental condition with missing teeth, ideal for practicing partial dentures, implants, and other restorative procedures.
- Hard Gingiva: The gingiva is made of durable, hard material to closely mimic natural gum tissue, offering a realistic feel during procedures.
- Thermosetting Teeth: High-quality thermosetting resin teeth are used, which mimic the feel and functionality of natural teeth.
- Changeable Teeth: Teeth are easily replaced and securely retained with screws from the back, allowing for continuous use and flexibility in training.

This practice jaw is perfect for dental professionals learning to manage partially edentulous cases and practice various restorative techniques.

SP064

PROSTHESIS EDENTULOUS MODEL



The Edentulous Prosthesis Practice Model is an essential tool for practicing procedures related to edentulous patients. It is ideal for taking impressions, building wax-up ridges, and practicing implantology exercises. Made from a bone-like material, this model allows for realistic drilling, making it perfect for implant training.

Key Features:

- Ideal for Impression Taking: Perfect for practicing impression techniques, offering a realistic surface for capturing accurate anatomy.
- Wax-Up Ridge Building: Provides a surface that mimics the anatomical structure of the edentulous ridge, allowing for wax-up practice.
- Bone-Like Material: The model is made from a bone-like material that enables realistic drilling for implantology exercises, offering a hands-on experience for implant placement.
- Soft Gingiva Option: Available with an optional soft gingiva layer for added realism in gum contour and texture.
- Radiopaque model for radiography also available.

NA221

NAVADHA ENDO TYPODONT JAW SET



TThe Endo Practice Jaw is designed for comprehensive endodontic training, featuring 28 teeth with red-colored root canals for a realistic root canal simulation. The teeth are replaceable and securely retained with screws from the back, allowing for easy access and maintenance.

Key Features:

- Realistic Root Canal Simulation: Each of the 28 teeth features detailed red root canals, providing an authentic training experience for endodontic procedures.
- Replaceable Teeth: Teeth are easily changeable and securely held in place with screws, offering long-term usability and flexibility.
- Quick Magnetic Disconnect: The jaw set features a convenient magnetic disconnect system for quick and easy removal or reattachment, enhancing efficiency during practice.
- Ideal for Endodontic Training: Perfect for practicing root canal treatments, cleaning, shaping, and filling procedures.

The Endo Practice Jaw is an essential tool for dental professionals and students focused on mastering endodontic techniques, offering a high-quality, durable solution for hands-on learning.

NA222

REPLACEMENT TEETH FOR NAVADHA ENDO JAW SET



The Replacement Teeth for the Navadha Endo Jaw Set are designed for easy replacement of individual teeth in the Endo Jaw, ensuring long-lasting use and continued realism in endodontic practice. These teeth come with screws for secure attachment and can be purchased either as a complete set or individually.

Key Features:

- High-Quality Replacement Teeth: Designed to fit the Navadha Endo Jaw Set, ensuring compatibility and ease of installation.
- Realistic Root Canal Simulation: Each tooth features detailed root canals, providing a lifelike training experience for endodontic procedures.
- Secure Attachment: Teeth are retained with screws from the back, ensuring a firm fit and easy replacement.
- Available as Set or Individually: Choose between a full set of replacement teeth or individual pieces to replace specific teeth as needed.

NA309

ENDO TEETH WITH A COLORED ROOT CANAL (TEETH NO. 1.6/16)







This endo teeth model features a highly detailed upper first molar (tooth no. 16) with colored root canals, designed to facilitate practice and study of endodontic procedures. With its realistic canal system and anatomical accuracy, this model is perfect for dental professionals and students to refine their skills in root canal treatments, apex locators, and irrigation techniques.

Key Features:

- Upper First Molar (Tooth No. 16): The model represents the upper first molar on the left side, featuring a highly realistic anatomical design that replicates the typical root and canal structure of this tooth.
- 3 Roots and 4 Canals: The tooth has 3 roots—palatal, mesiobuccal (MB), and distobuccal (DB)—with the following canal configuration:
  - Palatal Root: 1 orifice, 1 apex
  - Mesiobuccal (MB) Root: 2 orifices, 1 apex
  - Distobuccal (DB) Root: 1 orifice, 1 apex
- Colored Root Canals: The root canals are colored to represent different stages of root canal treatment, providing a clear visual guide for practitioners to identify the canal orifices, apexes, and areas requiring cleaning and shaping.
- Realistic Canal System: Designed to closely mimic the anatomical features of a real tooth, the canals offer a complex structure that simulates a typical root canal system, ideal for practicing cleaning, shaping, irrigation, and filling techniques.
- Ideal for Endodontic Practice: This model is perfect for training in endodontic procedures, from initial access cavity preparation to canal obturation and final restoration.

This endo teeth model is an essential tool for dental professionals, students, and educators looking to practice and improve their skills in root canal therapy and endodontic treatment. The realistic canal structure and colored root canals provide an invaluable, hands-on learning experience.

NA310

ENDO TEETH WITH A CLEAR ROOT CANAL (11/31/14/16/46)







Endo Teeth with Clear Root Canals (11/31/14/16/46)

This endo teeth model set includes a variety of teeth featuring clear root canals, designed to offer a realistic and practical approach to endodontic training. The models are specifically designed to help dental students and professionals practice a range of root canal procedures, including canal identification, cleaning, shaping, and filling.

Key Features:

1. Upper Central Incisor (11):
   - 1 Root, 1 Canal: Features 1 orifice and 1 apex, providing a straightforward setup for practicing basic root canal treatments and techniques.
   - Clear Root Canal: The canal is clear, allowing for easy observation and understanding of canal shape and apex location.
2. Upper First Premolar (14):
   - 2 Roots, 2 Canals: The 2 roots (buccal and palatal) each feature 1 canal, with 2 orifices and 2 apices, ideal for practicing more advanced canal treatment and access cavity preparation.
   - Clear Root Canal: The clear canals help practitioners visualize the anatomy and get a clearer understanding of the treatment steps.
3. Upper First Molar (16):
   - 3 Roots, 4 Canals:
     - Palatal Root: 1 orifice, 1 apex
     - Mesiobuccal (MB) Root: 2 orifices, 1 apex
     - Distobuccal (DB) Root: 1 orifice, 1 apex
   - A highly complex root canal system suitable for practicing advanced endodontic techniques, including irrigation, shaping, and obturating multiple canals.

NA310

ENDO TEETH WITH A CLEAR ROOT CANAL (11/31/14/16/46)





4. Lower Central Incisor (31):
   - 1 Root, 2 Canals (Vertucci Type III): Features a 1-2-1 canal system, representing 1 orifice, 1 apex, and 2 canals that join in the apical third, which is classified as Vertucci Type III.
   - The clear canals help demonstrate the canal merging and split apical anatomy, useful for understanding complex root canal structures.
5. Lower First Molar (46):
   - 2 Roots, 3 Canals:
     - Mesial Root: 2 orifices, 2 apices
     - Distal Root: 1 orifice, 1 apex
   - Designed for practicing multi-canal treatments and techniques, this model allows practitioners to learn how to manage complex root canal systems in a lower molar.

Key Benefits:

- Clear Root Canals: Each model features clear root canals for easy visibility, allowing practitioners to closely study canal anatomy and root structure.
- Realistic Canal Anatomy: These models replicate real-life canal systems, making them ideal for practicing canal cleaning, shaping, and obturation.
- Variety of Tooth Types: The set includes a diverse range of tooth types (incisors, premolars, molars) to provide comprehensive practice for different endodontic scenarios.
- Perfect for Endodontic Training: Whether you're practicing on a single-rooted incisor, a multi-rooted molar, or an irregular canal system, this set covers a broad spectrum of endodontic challenges.

This Endo Teeth Model Set is an invaluable resource for dental students, professionals, and educators, providing the perfect hands-on training tool for practicing root canal treatments and mastering endodontic procedures in a variety of tooth types and complex anatomical configurations.

SP008

ANATOMICAL ENDODONTIC JAWS



These Endodontic Practice Jaws are designed for comprehensive endodontic and prosthetic training, offering anatomically shaped teeth with transparent roots, red canals and tooth-colored crowns. The teeth are easily changeable after each practice session, making them ideal for repeated use and diverse training exercises.

Key Features:

- Changeable Teeth: Teeth can be easily replaced after each practice, ensuring long-term use and versatility in training.
- Anatomically Shaped Teeth: Each tooth is designed with detailed anatomical features, providing a realistic training experience.
- Transparent Root Canals: Root canals are clear, allowing for easy visualization of the obturation and filling process during endodontic procedures.
- Tooth-Colored Crowns: The crowns are designed to mimic natural teeth, allowing for both endodontic and prosthetic training. The crowns can be prepared for various prosthetic procedures, such as crowns, bridges, and restorations.

These practice jaws are an excellent tool for mastering both endodontic treatments and prosthetic procedures, offering flexibility, realism, and durability for hands-on learning.

SP009

ANATOMICAL ENDODONTIC REPLACEMENT TEETH



These Endodontic Simulated Teeth are designed for comprehensive practice in various endodontic and prosthetic procedures. Featuring anatomically shaped root canals, these teeth allow for hands-on training in root canal cleaning, shaping, obturation, and more. The teeth are ideal for use in a range of endodontic simulations, from access opening to prosthetic planning.

Key Features:

- Anatomically Shaped Root Canals: Realistic root canal anatomy for effective training in root canal procedures.
- Versatile Training: Suitable for practicing access opening, root canal cleaning, lengthening, widening, and shaping.
- Canal Obturation & Sealing: Provides an opportunity to practice obturation and sealing techniques for complete root canal therapy.
- Crown Cutting & Prosthesis Planning: Teeth can be prepared for crown cutting and prosthetic planning, allowing for multi-disciplinary practice.
- Compatible with Model SP008: These simulated teeth are designed to fit perfectly in the Model SP008, ensuring seamless integration into your training setup.

These Endodontic Simulated Teeth are a valuable tool for dental students and professionals looking to refine their endodontic and prosthetic skills with a highly realistic and versatile training solution.

SP015

ANESTHESIA PRACTISE JAW MODEL





The Anesthesia Practice Jaw Model is designed to train dentists in the proper delivery of anesthetic injections. This interactive simulator helps students practice techniques while providing immediate feedback to ensure accurate injection placement.

Key Features:

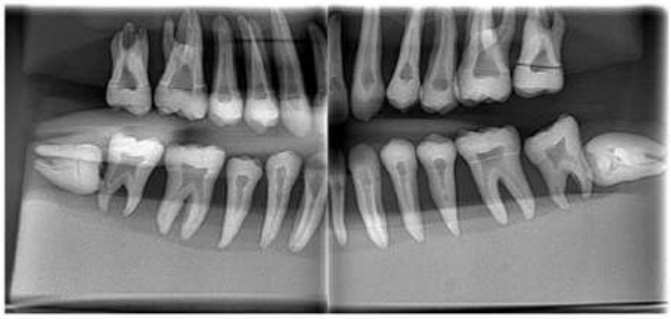
- Maxilla and Mandible with Ramus: The model includes both the upper and lower jaws (maxilla and mandible) with the ramus, providing a comprehensive training tool for various injection sites.
- Feedback System: The model features a built-in feedback system:
  - Red Light & Alarm: If the needle is incorrectly placed, a red light will glow along with an alarm, alerting the practitioner to an incorrect injection technique.
  - Green Light: A green light will glow when the needle is correctly placed, confirming the accuracy of the anesthetic delivery.
- Battery Operated: The model is powered by batteries for easy portability and use in various training environments.
- Injector Syringe Included: The model comes with a realistic injector syringe for practicing the actual injection procedure.
- Various mounting options available for including Torso for placement on dental chair back rest. Or Dental Chair head Rest mounting, Or Bench Mounting.

This Anesthesia Practice Jaw Model is an essential tool for dental schools, clinics, and professionals looking to perfect their anesthetic delivery skills in a safe and controlled environment.

SP002

RADIOLOGY TRAINING JAWS





The Radiology Training Jaws are specifically designed to aid in learning how to read radiographic images or test radiographic equipment such as CBCT, OPG, RVG, and IOPA. These Radiology Training Jaws are essential for dental professionals, dental nurses, hygienists, and students looking to practice radiographic reading skills or test equipment in a realistic, hands-on environment.

Key Features:

- Realistic Radiographic Simulation: Teeth are designed to display clear and detailed root canals and pulp chambers, providing accurate results for radiographic analysis.
- Partial & Fully Impacted Teeth: Includes both partially and fully impacted teeth, simulating a range of dental conditions for more comprehensive training.
- Customised jaw models with malocclusion, crowding and defects also available.
- Pedodontic jaw models also available.
- Compatible with Various Radiographic Equipment: Ideal for testing radiographic equipment such as CBCT, OPG, RVG, and IOPA, ensuring a versatile training tool.
- Adjustable mouth opening articulator with locking facility for open or bite wing radiogrpahy.
- Tongue Option Available: A tongue can be added upon request for enhanced realism in radiographic training.
- For comparative study Dicom Data available on request with the model.

SP087

ORAL SUTURING PRACTISE MODEL



The Oral Suturing Practice Model is designed to provide hands-on training in suturing techniques, offering a realistic and effective learning experience. This model is ideal for dental professionals, nurses, veterinary students, and anyone looking to practice suturing skills.

Key Features:

- Realistic Skin Texture: The model features lifelike skin and subcutaneous tissue, providing an authentic feel during suturing practice.
- Ideal for Suture Training: Perfect for practicing a variety of suturing techniques, such as simple interrupted stitches, mattress stitches, and more.
- Versatile Training Tool: Suitable for dental students, nurses, veterinary students, and other medical professionals seeking to develop or refine their suturing skills.
- Subcutaneous Tissue Simulation: The model includes a subcutaneous layer beneath the skin to simulate the depth and feel of real tissue, enhancing the realism of suturing practice.

This Oral Suturing Practice Model offers an invaluable opportunity to gain practical suturing experience in a controlled, repeatable, and safe environment.

SP065

EXTRACTION PRACTISE JAWS



The Extraction Practice Jaws are designed to simulate real-life tooth extractions, providing a hands-on training experience for dental professionals and students. These models can also be prepared for implant placement following extractions, making them ideal for comprehensive restorative training.

Key Features:

- Realistic Tooth Extraction Simulation: The model is designed for practicing tooth extractions, offering a lifelike simulation of the forces and techniques involved in removing teeth.
- Preparation for Implant Placement: After practicing extractions, the model can be prepared for implant procedures, allowing users to seamlessly transition from extraction to implant placement training.
- Durable and Reusable: The practice jaws are made from durable materials to withstand multiple extractions and implant training sessions, ensuring long-lasting use.
- Versatile Training Tool: Ideal for dental students, professionals, and trainers looking to improve their extraction techniques or integrate implant training into their practice.

These Extraction Practice Jaws provide an essential tool for mastering both extractions and post-extraction implant placement in a realistic and repeatable training environment.

NA311

DENTAL MODEL FOR TEETH EXTRACTION



The Dental Model allows for realistic practice and demonstration of teeth extraction techniques, providing detailed insight into both upper and lower jaws. This model is perfect for learning, teaching, and refining dental procedures involving tooth extractions, malocclusions, and various dental treatments.

Key Features:

- The model features both upper and lower jaws with a simulated malocclusion, helping users practice extraction techniques and understand the complexities of tooth removal in misaligned bite scenarios. Ideal for learning how malocclusions impact extraction procedures.
- Each individual tooth on the model is designed to be easily removed, allowing for realistic extractions. This feature supports hands-on practice for various extraction methods, including the removal of molars, incisors, and premolars.
- The gums are made from a translucent material, offering excellent visibility of the root structures and surrounding tissues. This feature helps students and professionals clearly see how teeth are anchored in the jaw and observe the surrounding anatomy during practice.

SP004

SURGERY PRACTICE JAWS



The Surgery Practice Jaws are designed to simulate a variety of dental surgical scenarios, offering realistic training for students and professionals. With twelve different surgical simulations, this model allows practitioners to hone their skills in a range of complex dental procedures.

Key Features:

- Twelve Surgical Simulations: Includes a variety of common dental surgical cases such as:
  - Impacted wisdom teeth in the lower jaw
  - Teeth located in the hard upper palate
  - Cysts, granulomas, and other oral pathologies
- Artificial Bone Simulating Material: Crafted from a high-quality material that closely mimics the texture and resistance of real bone, providing a lifelike experience during surgery practice.
- Versatile Training Tool: Ideal for dental surgeons, students, and professionals looking to practice a wide range of oral surgical techniques in a safe, controlled environment.
- Durable and Realistic: Designed to withstand multiple surgical practices, ensuring a long-lasting, realistic training experience.

These Surgery Practice Jaws provide an invaluable resource for mastering complex oral surgical techniques, offering a diverse set of realistic training scenarios for comprehensive learning.

SP004-A

SURGERY PRACTICE MODEL GUIDE



The Surgery Practice Model Guide is a transparent guide designed to be used with the Surgery Practice Jaws Model SP004. This guide helps identify the precise locations of various diseases, conditions, and anatomical landmarks, aiding in the planning and execution of surgical procedures.

Key Features:

- Transparent Design: The guide is made from clear material, providing full visibility to allow for easy identification of key anatomical structures and pathological conditions during surgery practice.
- Compatible with SP004 Surgery Practice Jaws: Specifically designed to be used with the SP004 Surgery Practice Jaws, enhancing the realism and accuracy of surgical training.
- Disease Localization: Helps in pinpointing the location of impacted teeth, cysts, granulomas, and other dental pathologies, improving the precision and efficiency of surgical procedures.
- Surgical Planning Tool: Ideal for guiding students and professionals in understanding the spatial relationships of anatomical structures, enabling better surgical planning and execution.

This guide is an essential accessory for anyone using the Surgery Practice Jaws, offering a valuable tool for learning and practicing accurate surgical procedures in a controlled, guided environment.

SP075

PARTIALLY EDENTULOUS MODELS FOR IMPLANT PRACTICE



The Partially Edentulous Models are designed for practicing implant placement in partially edentulous patients. These models feature both the maxilla and mandible, with pre-formed pockets for precise implant placement, covered with soft gingiva to simulate a natural gum environment.

Key Features:

- Maxilla & Mandible Models: Includes both upper and lower jaws to provide a complete training experience for implant placement in different locations.
- Pre-formed Pockets for Implants: The models are equipped with specially designed pockets, allowing for accurate implant placement practice.
- Soft Gingiva: The soft gingiva covering mimics real gum tissue, enhancing the realism of the procedure and providing an authentic experience for practitioners.
- Ideal for Implant Training: Perfect for dental students and professionals looking to practice implant placement, especially in partially edentulous cases.

These Partially Edentulous Models offer a realistic, practical tool for mastering implant placement techniques, providing hands-on experience in a safe and repeatable manner.

NA24-A

MANDIBLE FOR IMPLANT PLACEMENT PRACTISE



The Mandible for Implant Placement Practice is designed to provide a realistic training experience for dental professionals and students focusing on implant placement in the lower jaw. Made from artificial bone simulating material, this model accurately mimics the structure and feel of natural bone, allowing for effective and repeatable practice.

Key Features:

- Realistic Mandible Design: Replicates the anatomy of the lower jaw (mandible), offering an ideal setup for practicing implant placement in various locations.
- Artificial Bone Simulating Material: Crafted from durable materials that closely mimic the texture and resistance of natural bone, ensuring a lifelike experience during implant procedures.
- Versatile Implant Placement Training: Ideal for practicing both single and multiple implant placements in the mandible, helping practitioners refine their skills in a controlled environment.
- Durable and Reusable: Designed for multiple uses, making it a cost-effective and long-lasting tool for implantology training.

This Mandible for Implant Placement Practice provides a comprehensive, hands-on training opportunity for mastering implant placement in the lower jaw, enhancing skills in a realistic, repeatable manner.

NA24-B

MANDIBLE FOR IMPLANT PLACEMENT WITH SOFT GUMS



The Mandible for Implant Placement with Soft Gums is designed to provide a realistic and comprehensive training experience for dental implant procedures, including the placement of implants in the lower jaw with soft gingiva. Made from artificial bone simulating material, this model includes suturable gums for practicing soft tissue handling and post-surgical procedures.

Key Features:

- Realistic Mandible Design: Accurately replicates the anatomy of the lower jaw (mandible) for practicing implant placement, ideal for both single and multiple implant procedures.
- Soft Gingiva Simulation: The model features soft, suturable gums that simulate natural gingiva, allowing for practice in soft tissue management, suturing, and healing after implant placement.
- Artificial Bone Simulating Material: Crafted from durable materials that closely mimic the resistance and feel of natural bone, ensuring a realistic tactile experience during implant placement.
- Replaceable Gums: The soft gums are replaceable, providing extended use for repeated training sessions and ensuring realistic tissue handling each time.
- Magnetic Catch Option (Available on Request): Optional magnetic catch feature for easy attachment and removal of the model, providing added convenience for training setups.

This Mandible for Implant Placement with Soft Gums is an essential training tool for mastering both the surgical and restorative aspects of implantology, offering a highly realistic and versatile model for comprehensive dental implant training.

NA304

MODEL FOR IMPLANT PLACEMENT WITH REPLACEABLE BONE BLOCKS OF DIFFERENT BONE DENSITY



This versatile dental model is designed specifically for practicing implant placement techniques in a partially edentulous lower jaw. It features removable bone blocks with varying densities, allowing dental professionals to simulate different clinical scenarios and enhance their surgical skills. The model also includes an imitation of elastic gingiva, offering a realistic experience for handling soft tissue during procedures.

Key Features:

- Partially Edentulous Lower Jaw: The model features a partially edentulous lower jaw, providing a realistic setting for practicing implant placement in areas where teeth are missing.
- Removable Bone Blocks: The removable bone blocks are designed to simulate different bone densities, including DII (moderate bone density) and DIII (low bone density), making it ideal for training in diverse clinical scenarios. This feature allows practitioners to practice implant placement in various bone conditions, replicating real-world challenges in implantology.
- Elastic Gingiva: The elastic gingiva mimics real gum tissue, enhancing the model's realism and making it ideal for practicing soft tissue management during implant placement and other surgical procedures.
- Realistic Simulation: The combination of different bone densities and realistic soft tissue allows for comprehensive training in implant placement, bone grafting, and soft tissue handling.

This model is an excellent tool for dental professionals and students looking to practice and refine their skills in implantology, particularly in situations involving varying bone densities. It offers a high level of anatomical accuracy for a more effective and hands-on learning experience.

SP066

ANATOMICAL SHAPE SIMPLE MANDIBLE



The Anatomical Shaped Mandible for Implant Placement Training is designed to provide a realistic and detailed training model for practicing dental implant placement in the lower jaw. It features the full anatomical structure of the mandible, including the ramus and condyle ridges, replicating the key areas where implants are typically placed.

Key Features:

- Anatomical Accuracy: The model is designed to accurately replicate the anatomy of the mandible, including the ramus and condyle ridges, offering a realistic setting for implant placement practice.
- Artificial Bone Simulating Material: Made from high-quality materials that closely mimic the texture and resistance of natural bone, providing an authentic tactile experience during procedures.
- Ideal for Implant Placement Training: Perfect for practicing implant placement in the lower jaw, with specific focus on areas such as the posterior mandible, where implants are commonly placed.
- Durable and Reusable: Built to withstand repeated use, making it a cost-effective and long-lasting tool for implantology training.

This Anatomical Shaped Mandible for Implant Placement Training is an excellent choice for dental students and professionals looking to enhance their skills in implant placement, offering a highly realistic and detailed model for hands-on practice.

SP043

MANDIBLE MODEL FOR IMPLANT TRAINING



The Mandible Model for Implant Training is designed to provide a highly realistic and detailed simulation for practicing implant placement in the lower jaw. It features anatomically shaped ramus and condyle ridges, replicating the key anatomical landmarks necessary for successful implant procedures. Crafted from artificial bone simulating material, this model offers a realistic feel and durability for repeated use.

Key Features:

- Anatomical Accuracy: The model accurately replicates the mandible, including the ramus and condyle ridges, offering a detailed anatomical structure for practicing implant placement in both the posterior and anterior regions of the lower jaw.
- Artificial Bone Simulating Material: Made from high-quality material that mimics the feel and resistance of natural bone, providing a lifelike training experience.
- Ideal for Implant Placement Practice: Perfect for dental professionals and students to practice implant placement techniques, including site preparation, drilling, and insertion of implants.
- Durable and Reusable: Built to last, this model is designed for multiple training sessions, making it an economical and long-lasting tool for implantology education.

The Mandible Model for Implant Training is an essential tool for those looking to enhance their skills in implant placement, offering an anatomically accurate and realistic model for hands-on practice in a variety of clinical scenarios.

SP079

PARTIALLY EDENTULOUS MANDIBLE WITH RAMUS



The Partially Edentulous Mandible with Ramus for Implant Placement Practice is an advanced training model designed to simulate the conditions of a partially edentulous mandible, complete with the ramus, for realistic implant placement procedures. Crafted with high-quality bone simulation material, this model provides a lifelike experience, allowing dental professionals to practice and refine their skills in implant placement, particularly in the posterior mandible and ramus regions.

Key Features:

- Partially Edentulous Design: The model represents a partially edentulous mandible with missing teeth in key areas, making it ideal for practicing single and multiple implant placements in the posterior region, including the molar and premolar areas.
- Ramus Inclusion: The ramus is incorporated to provide a full anatomical representation, allowing users to practice implant placement techniques not only in the edentulous region but also near the mandibular ramus, where more complex placements may be required.
- Bone Simulation During Drilling: Made from specialized bone simulation material, the model closely mimics the texture and resistance of natural bone, providing a realistic experience when drilling for implant placement.
- Realistic Drilling Experience: The model allows users to practice precise drilling techniques, offering tactile feedback to replicate the feel of real bone, ensuring users develop the necessary skills for effective implant placement.
- Versatile Training Tool: Perfect for both novice and experienced practitioners, this model offers a versatile platform for mastering implant placement, guided surgery, and bone preparation techniques in a partially edentulous mandible.

It offers a highly realistic and comprehensive training experience, helping practitioners build confidence and expertise in implant procedures involving the posterior mandible and ramus regions.

NA301

MODEL FOR IMPLANT PLACEMENT WITH SINUS SEPTA



This specialized dental model is designed for practicing implant placement and sinus lift procedures, offering an incredibly realistic simulation of clinical scenarios. Ideal for advanced dental training, it features a partially edentulous upper jaw with elastic gingiva, allowing for flexible and lifelike handling during procedures.

Key Features:

- Partially Edentulous Upper Jaw: Designed to replicate common clinical conditions, the model includes missing teeth in the upper arch, providing an authentic setting for implant placement.
- Elastic Gingiva: Soft, flexible gums that mimic real tissue, making it easier to simulate the insertion of implants and sinus lift techniques.
- Schneiderian Membrane Layer: A detailed layer simulates the Schneiderian membrane (the sinus membrane), offering a true-to-life experience for sinus lift procedures.
- Sinus Septa: Anatomically accurate sinus septa are incorporated, allowing practitioners to familiarize themselves with this complex structure and improve their technique for sinus augmentation.
- Buccal Wall Defect: The model features a buccal wall defect on the left central tooth area, providing an ideal setup for practicing sinus lift procedures and refining surgical skills related to bone grafting and sinus membrane handling.

This model serves as an excellent tool for dental professionals aiming to improve their skills in implantology and sinus lift surgery, ensuring they are prepared for real-world clinical challenges.

NA302

MODEL WITH DOUBLE LAYERED GINGIVA, SINUS LIFT WITH SCHNEIDERIAN MEMBRANE AND BUCCAL DEFECT IN FIRST MOLAR



sectional view for ref. only.

sectional view for ref. only.

This advanced dental model is designed for in-depth study and hands-on practice of implant placement and sinus liftprocedures. It features a range of realistic anatomical features, making it ideal for training in complex scenarios such as extractions, bone grafting, and sinus membrane handling. The model is specifically designed to simulate both normal and challenging anatomical conditions, ensuring comprehensive practice for dental professionals.

Key Features:

- Upper Jaw Structure: The model includes a fully detailed upper jaw with realistic anatomical features, offering a versatile training platform for various dental procedures.
- Double-Layer Elastic Gingiva: The double-layer elastic gingiva mimics real gum tissue, providing a lifelike simulation of soft tissue handling during procedures like implant placement and extractions.
- Central Incisor Extraction: The central incisors are designed for easy extraction, incorporating buccal wall defects to replicate more complex clinical scenarios and enhance the realism of extractions.
- First Molar in the Second Quadrant (Extractable): The first molar in the second quadrant is easily extractable and features buccal defects on the buccal roots, providing a valuable training opportunity for complex extractions and root management.
- Schneiderian Membrane Simulation: The model includes a Schneiderian membrane layer within the second quadrant, offering an accurate representation for practicing sinus lift procedures, including membrane handling and sinus augmentation techniques.
- Maxillary Tuberosities: The maxillary tuberosities are crafted to simulate both cortical and cancellous bone layers, offering a comprehensive, realistic environment for practicing bone grafting, sinus lift, and implant placement procedures.

NA303

MODEL FOR IMMEDIATE IMPLANT PLACEMENT WITH CANCELLOUS BONE STRUCTURE



This highly detailed dental model is specifically designed for training in immediate implant placement procedures. It features a partially edentulous upper jaw with elastic gingiva, closely replicating real-life clinical scenarios to help dental professionals refine their skills in implantology and related surgical techniques.

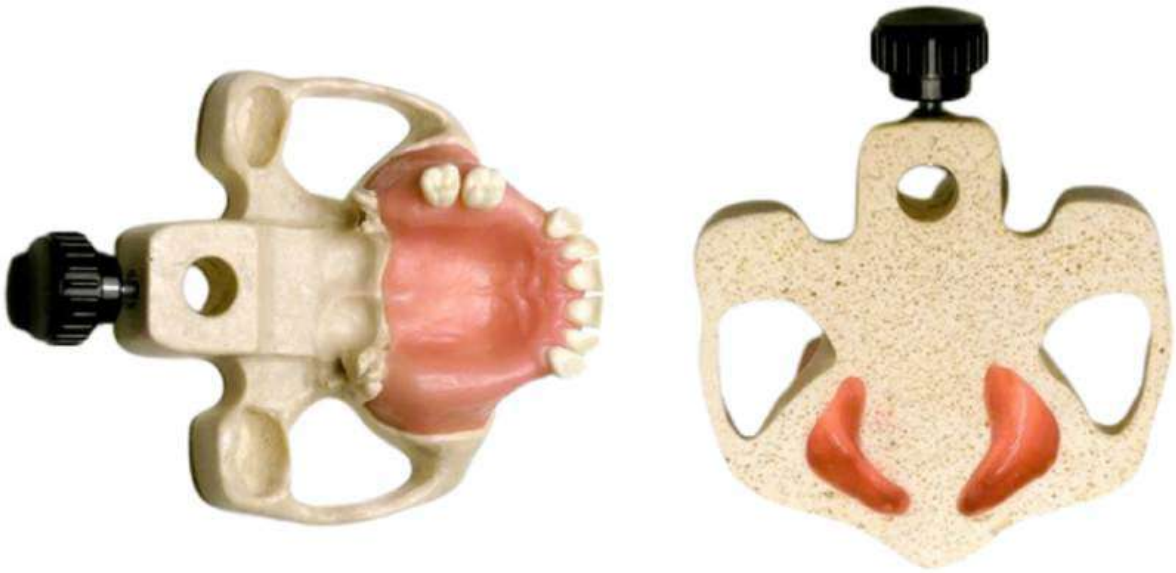
Key Features:

- Partially Edentulous Upper Jaw: The model represents a partially edentulous upper jaw, perfect for practicing immediate implant placements in areas with varying bone structures.
- Elastic Gingiva: The elastic gingiva mimics the softness and flexibility of real gum tissue, offering a realistic simulation for handling soft tissue during procedures.
- Extractable Right Central Incisor and First Upper Molar: Both the right central incisor and right first upper molar can be easily extracted, providing an authentic experience of immediate implant placement in these areas. The surrounding bone is designed to imitate a cancellous bone structure, ideal for practicing implant insertion techniques where bone density is a consideration.
- Left Central Incisor with Buccal Wall Defect: The left central incisor features a buccal wall defect, adding complexity to the training model. This realistic defect allows for the practice of implant placement in areas with compromised bone structure.
- Schneiderian Membrane Simulation: The sinus area in the first quadrant incorporates a Schneiderian membrane simulation, making this model ideal for practicing sinus lift and implant placement in conjunction with sinus membrane handling.

This model is an excellent choice for dental professionals and students aiming to master immediate implant placement, sinus lifts, and extraction-based implant procedures. Its accurate representation of cancellous bone structure and realistic defects ensures a comprehensive training experience.

SP017

SINUS ELEVATION & IMPLANT PLACEMENT MODEL



The Sinus Elevation & Implant Placement Model is designed to provide realistic training for practicing sinus lift procedures and implant placement. Made from artificial bone simulating material, this model mimics the structure and resistance of real bone, offering an ideal training tool for dental professionals.

Key Features:

- Sinus Lifting Simulation: The model allows for practicing sinus lift techniques, a critical procedure for creating sufficient bone height in the posterior maxilla for implant placement.
- Implant Placement Practice: Specifically designed for practicing implant placement following sinus elevation, offering a comprehensive training experience.
- Artificial Bone Simulating Material: Crafted from durable materials that closely mimic the texture and resistance of natural bone, providing a realistic feel during both sinus lifting and implant placement.
- Versatile Training Tool: Ideal for dental professionals and students looking to improve their skills in complex implant procedures, especially in the posterior maxilla where sinus elevation is often required.

This Sinus Elevation & Implant Placement Model offers hands-on experience in one of the more challenging aspects of implantology, helping practitioners refine their skills in a controlled, repeatable environment.

SP017-A

RADIOPAQUE SINUS ELEVATION & IMPLANT PLACEMENT MODEL



The Radiopaque Sinus Elevation & Implant Placement Model is designed for practicing both sinus lift procedures and implant placements, with the added benefit of radiopacity for realistic imaging simulations. Made from artificial bone simulating material, this model mimics the texture, feel, and radiographic properties of real bone, offering an invaluable tool for dental implant training.

Key Features:

- Radiopaque Design: This model is radiopaque, meaning it will show up clearly on X-rays, allowing practitioners to simulate and evaluate sinus lift and implant placement techniques using radiographic imaging.
- Sinus Lift Simulation: Enables realistic practice of sinus elevation procedures, including bone grafting and lifting the sinus membrane to create space for implants.
- Implant Placement Training: Specifically designed for practicing the placement of dental implants following sinus elevation, offering a comprehensive experience.
- Artificial Bone Simulating Material: The model is made from high-quality materials that replicate the resistance and texture of natural bone, providing a true-to-life tactile experience during procedures.
- Ideal for Diagnostic and Surgical Training: The radiopaque feature allows trainees to assess their techniques using X-rays, providing immediate feedback on the accuracy and quality of their work.

This Radiopaque Sinus Elevation & Implant Placement Model is perfect for implantology training, offering an essential tool for mastering sinus lifting, implant placement, and radiographic assessment in one comprehensive model.

SP044

SINUS LIFT WITH SOFT GINGIVA MODEL



The Sinus Lift and Implant Placement Practice Model with Soft Gingiva is an advanced training tool designed to simulate real-world dental procedures, including sinus lift surgery and implant placement. Constructed from artificial bone simulating material, this model offers exceptional realism, providing dental professionals and students with the opportunity to practice and refine their skills in a highly lifelike environment. The inclusion of soft gingiva further enhances the realism, allowing for a complete training experience from soft tissue manipulation to surgical techniques.

Key Features:

- Artificial Bone Simulating Material: The model is made from a specialized material that mimics the texture, resistance, and feel of natural bone, offering a realistic surface for practicing sinus lifts and implant placements.
- Soft Gingiva Simulation: The soft gingiva layer accurately replicates the feel of human tissue, allowing users to practice incision, flap creation, and soft tissue handling as part of the sinus lift and implant procedures.
- Sinus Lift Procedure Practice: This model provides a detailed simulation of sinus elevation and membrane lifting, ideal for practicing bone grafting techniques and sinus augmentation in a controlled setting.
- Implant Placement Practice: After completing the sinus lift, users can perform implant placements with precision, making this model an all-in-one training tool for posterior maxillary implants.
- Realistic Surgical Simulation: The combination of soft gingiva and artificial bone simulating material offers a comprehensive, lifelike training environment, allowing users to develop both their surgical and tissue management skills.

SP042

RESIN SINUS LIFT MODEL



The Sinus Lift Practice Model is designed for realistic simulation of sinus lift procedures, offering a detailed and anatomically accurate representation of the maxillary sinus region. Made from durable white resin, this model allows dental professionals and students to practice sinus elevation techniques in a lifelike environment, enhancing their precision and surgical skills.

Key Features:

- Anatomical Accuracy: Crafted with an anatomically correct shape, the model mimics the natural anatomy of the maxillary sinus and surrounding structures, providing an ideal platform for practicing sinus lift procedures.
- Sinus Lift Simulation: Perfect for practicing sinus membrane elevation, bone grafting, and sinus augmentation techniques in a controlled, repeatable environment.
- Realistic Tactile Feel: The high-quality white resin offers a lifelike texture and resistance that closely resembles human bone, enhancing the overall experience during the procedure.
- Training Versatility: Designed for hands-on practice, this model enables dental professionals to refine their techniques and build confidence in sinus lift surgery, particularly in the posterior maxilla region.

The White Resin Sinus Lift Practice Model is an essential training tool for implantology, offering unmatched realism and anatomical precision to support the development of advanced sinus lift skills and implant placement techniques.

SP062

TRANSPERENT SINUS LIFT MODEL



The Transparent Resin Sinus Lift Model is designed for practicing sinus lift procedures and implant placements, with the added benefit of transparency for enhanced visibility and precise technique evaluation. Made from high-quality transparent resin, this model allows trainees to visualize the underlying structures during surgery, providing a more comprehensive learning experience.

Key Features:

- Transparent Resin Construction: The clear resin material allows for full visibility of the sinus cavity and surrounding anatomical structures, making it easier to observe and evaluate the sinus lift procedure and implant placement.
- Sinus Lift Simulation: Ideal for practicing sinus elevation techniques, the model enables users to perform bone grafting and sinus membrane lifting in a controlled, repeatable environment.
- Implant Placement Practice: After completing the sinus lift, the model allows for implant placement practice, providing a comprehensive training tool for posterior maxillary implants.
- Realistic Simulation: Mimics the texture and resistance of natural bone, offering a lifelike feel during both sinus lifting and implant placement procedures.

The Transparent Resin Sinus Lift Model is a valuable training tool for implantology, offering a unique combination of visibility and realism for mastering complex sinus lift and implant placement techniques.

SP073

LIFE-SIZE ANATOMICAL JAW WITH SINUS FOR ZYGOMATIC IMPLANTS





The Life-Size Anatomical Jaw with Sinus for Zygomatic Implants is a highly detailed training model designed to facilitate the practice of zygomatic implant procedures. Crafted with anatomical precision, this model accurately replicates the human maxilla, including the sinus cavity, providing a comprehensive tool for advanced implantology training. The life-size design offers a realistic, hands-on experience for dental professionals looking to refine their skills in the placement of zygomatic implants, commonly used in cases of severe bone loss in the posterior maxilla.

Key Features:

- Life-Size Anatomical Accuracy: The model is a true-to-life representation of the human maxilla, complete with the maxillary sinus, alveolar ridge, and surrounding anatomical structures, ideal for practicing zygomatic implant placement.
- Zygomatic Implant Simulation: Specifically designed to replicate the challenging conditions of zygomatic implant procedures, this model allows users to practice the correct placement of long, angled implants into the zygomatic bone.
- Sinus Cavity Representation: The sinus cavity is anatomically accurate, enabling the practice of sinus lift procedures in conjunction with zygomatic implant placements, essential for cases of severe bone resorption.
- Realistic Bone Texture: Made from high-quality materials that simulate the density and texture of natural bone, this model offers a lifelike tactile experience, helping users to develop their surgical precision.
- Comprehensive Training Tool: Ideal for both students and experienced professionals, this model provides a full-scale practice platform for mastering zygomatic implants and sinus augmentation procedures in the maxillary region.

The Life-Size Anatomical Jaw with Sinus for Zygomatic Implants is an indispensable tool for dental professionals specializing in complex implant procedures. It offers unparalleled realism for mastering zygomatic implants, sinus lifts, and bone grafting techniques, ensuring optimal surgical proficiency.

NA019

NATURAL COLOUR TOOTH MODEL WITH GINGIVA



This Model is designed to showcase teeth with a natural hue and chroma, providing a realistic visual for cosmetic and orthodontic training and demonstrations. The model features soft, natural-feel gingiva that closely mimics real gum tissue, making it perfect for educational and display purposes.

Key Features:

- Natural Hue Teeth: The set of 28 teeth is designed to exhibit a natural color, mimicking the hue and chroma of real teeth, ideal for realistic display and demonstration.
- Soft, Natural-Fell Gingiva: The gingiva material has a soft, lifelike texture, enhancing the realism of the model.
- Removable Teeth: The teeth are retained with screws, allowing them to be removed and replaced as needed, providing flexibility for different training scenarios.
- Orthodontic Use: Perfect for placing orthodontic brackets, devices, or creating various orthodontic display combinations, allowing for customized setups based on the training needs. This model is a versatile tool for orthodontic training, making it easy to showcase various treatment options, bracket placements, and device applications in a realistic and visually accurate format.
- Cosmetic Restorative use : Composite build up techniques, Shaping, polishing and natural looking restorations.

SP080

ORTHODONTIC TYPODONT WITH METAL TEETH



The Orthodontic Typodont Articulator is an essential training tool designed to replicate real-world orthodontic scenarios for students and dental professionals. This model comes with a high-quality metal teeth set fixed in wax and is specifically designed to showcase malocclusion, providing a realistic and challenging environment for practicing orthodontic procedures. With adjustable features to simulate different bite conditions, it offers a comprehensive training experience for mastering diagnostic techniques, treatment planning, and appliance fitting.

Key Features:

- Metal Teeth Set: The model features a durable metal teeth set that mimics the feel and appearance of natural teeth, ensuring an authentic experience when performing orthodontic procedures such as bracket placement and wire adjustments.
- Fixed in Wax with Malocclusion: The teeth are securely fixed in wax with intentional malocclusion, allowing users to practice orthodontic treatment on misaligned teeth. This provides a realistic representation of common orthodontic issues like crowding, overbite, underbite, and crossbite.
- After placing orthodontic appliances place the model in warm water to simulate desired teeth movement.
- Orthodontic Training Simulation: Ideal for practicing a wide range of orthodontic procedures, including bracket placement, wire bending, and the correction of malocclusion, this model enables dental professionals to enhance their skills in a controlled and repeatable environment.
- Realistic Bite and Functionality: The articulator offers a lifelike simulation of jaw movement, providing realistic feedback and improving the practitioner's understanding of bite mechanics and treatment outcomes.

SP081

ORTHODONTIC TYPODONT WITH IVORINE TEETH



The Orthodontic Typodont Articulator for Orthodontic Training with Ivorine Teeth Set is an essential training model designed to provide a realistic environment for orthodontic students and professionals. Equipped with a set of high-quality Ivorine teeth, securely fixed in wax with malocclusion, this model offers an excellent simulation for practicing the diagnosis, treatment planning, and correction of misaligned teeth.

Key Features:

- Ivorine Teeth Set: The model includes a durable Ivorine teeth set, renowned for its lifelike appearance and feel, closely mimicking the natural texture and structure of human teeth, offering an authentic training experience.
- Fixed in Wax with Malocclusion: The teeth are precisely fixed in wax, presenting a range of malocclusion scenarios, such as overbite, underbite, and crowding, providing users with an opportunity to practice orthodontic interventions on complex bite issues.
- Orthodontics brackets can easily be bonded on the tooth surface.
- Orthodontic Procedure Simulation: Perfect for practicing a variety of orthodontic procedures, including bracket placement, archwire adjustments, and the treatment of different types of malocclusion, this model ensures hands-on experience in a controlled environment.
- Realistic Bite Dynamics: The articulator offers realistic feedback and functionality, simulating jaw movement and providing insight into bite mechanics and the overall effectiveness of orthodontic treatments.

The Orthodontic Typodont Articulator with Ivorine Teeth Set is an invaluable tool for developing orthodontic skills. Its combination of Ivorine teeth, malocclusion simulation, and adjustable features makes it an ideal choice for dental professionals looking to refine their orthodontic treatment techniques in a practical, hands-on setting.

NA307

PEDODONTIC MIXED DENTITION MODEL



This detailed pedodontic mixed dentition model is designed specifically for practicing and studying pediatric dental procedures. Featuring both upper and lower jaw designs, it replicates the mixed dentition stage, where both primary (baby) and permanent teeth are present. This model is ideal for training in pedodontics, offering a realistic and functional setup for various dental exercises.

Key Features:

- Pedodontic Upper and Lower Jaw Design: The model includes both upper and lower jaws, specifically designed to replicate the mixed dentition stage, where a combination of primary and permanent teeth is found.
- Replaceable Teeth Elements: The model includes 24 replaceable teeth with natural shape, securely fixed with screws for easy replacement and extended use. The teeth are designed to simulate real pediatric dentition, providing a realistic training experience.
- Elastic Gingiva: The elastic gingiva enhances the model's realism, providing soft tissue that mimics real gum tissue, making it ideal for practicing soft tissue management during pediatric procedures.
- Enhanced Functionality: The secure and replaceable teeth elements make this model versatile for practicing restorations, fillings, extractions, and other pediatric dental procedures.

This model is an excellent tool for dental professionals and students focusing on pedodontics and the mixed dentition phase. Its high level of anatomical accuracy and replaceable components ensure a comprehensive and realistic training experience.

SP068

PRIMARY DENTITION MODEL



The Primary Dentition Model with Removable Teeth and Soft Gingiva is a versatile and highly realistic training tool designed for pediatric dental education and practice. This model features anatomically shaped teeth crowns, which closely replicate the natural structure of primary (baby) teeth. The soft gingiva is also changeable, allowing for a comprehensive and realistic simulation of pediatric dental procedures, including tooth eruption, alignment, and soft tissue management.

Key Features:

- Anatomically Shaped Teeth Crowns: The model features teeth with anatomically accurate crowns, offering a lifelike representation of primary teeth to help dental professionals understand the unique characteristics and structure of pediatric dentition.
- Removable Teeth with Screw Retention: Each tooth is securely retained using screws, allowing for easy removal and replacement. This feature enables users to practice tooth extraction, placement, and repositioning as part of routine pediatric dental procedures.
- Changeable Soft Gingiva: The soft gingiva surrounding the teeth is flexible and removable, providing a realistic simulation of the soft tissue in pediatric patients. This allows for practice in gingival management, including soft tissue manipulation and the application of restorative treatments.
- Realistic Pediatric Simulation: The model replicates the size and alignment of primary teeth in a child's mouth, providing a hands-on experience for practicing various pediatric dental procedures, such as cavity preparation, restorative techniques, and orthodontic assessments.
- Educational Tool for Pediatric Dentistry: Ideal for dental students, educators, and pediatric specialists, this model allows users to practice a wide range of pediatric dental procedures in a controlled, repeatable setting, enhancing skill development in primary dentition management.

SP68-A

TEETH FOR PRIMARY DENTITION MODEL FOAM SET



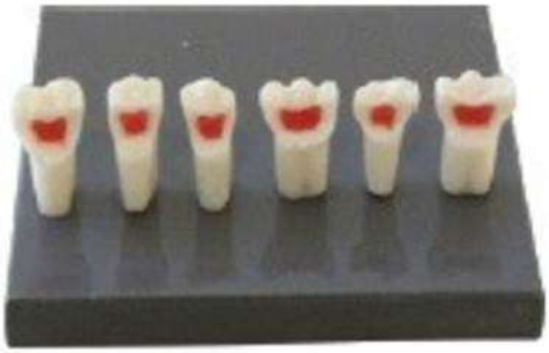
The Primary Dentition Model with Removable Teeth and Soft Gingiva is a versatile and highly realistic training tool designed for pediatric dental education and practice. This model features anatomically shaped teeth crowns, which closely replicate the natural structure of primary (baby) teeth, and comes with removable, screw-retained teeth for easy replacement and customization. The soft gingiva is also changeable, allowing for a comprehensive and realistic simulation of pediatric dental procedures, including tooth eruption, alignment, and soft tissue management.

Key Features:

- Anatomically Shaped Teeth Crowns: The model features teeth with anatomically accurate crowns, offering a lifelike representation of primary teeth to help dental professionals understand the unique characteristics and structure of pediatric dentition.
- Removable Teeth with Screw Retention: Each tooth is securely retained using screws, allowing for easy removal and replacement. This feature enables users to practice tooth extraction, placement, and repositioning as part of routine pediatric dental procedures.
- Changeable Soft Gingiva: The soft gingiva surrounding the teeth is flexible and removable, providing a realistic simulation of the soft tissue in pediatric patients. This allows for practice in gingival management, including soft tissue manipulation and the application of restorative treatments.
- Realistic Pediatric Simulation: The model replicates the size and alignment of primary teeth in a child's mouth, providing a hands-on experience for practicing various pediatric dental procedures, such as cavity preparation, restorative techniques, and orthodontic assessments.
- Educational Tool for Pediatric Dentistry: Ideal for dental students, educators, and pediatric specialists, this model allows users to practice a wide range of pediatric dental procedures in a controlled, repeatable setting, enhancing skill development in primary dentition management.

SP68-B

PULPECTOMY TEETH FOR PRIMARY DENTITION MODEL



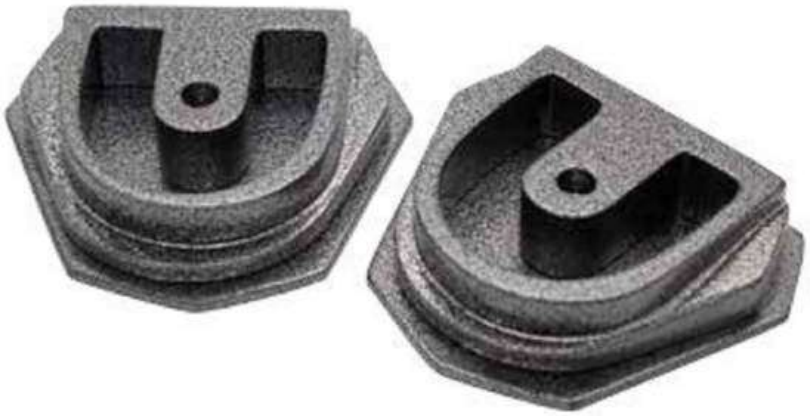
The Set of 6 Acrylic Teeth for Pulpectomy Practice is specifically designed for use with the Primary Dentition Jaw Model, providing an ideal tool for practicing pulpectomy procedures on primary (baby) teeth. Each tooth in the set is carefully crafted from high-quality acrylic material, offering realistic texture and resistance that mimics the anatomy and feel of natural primary teeth. This set is perfect for dental professionals and students looking to enhance their skills in pulpectomy, a vital procedure in pediatric endodontics, allowing for thorough practice in cleaning, shaping, and filling the root canals of primary teeth.

Key Features:

- Realistic Acrylic Teeth: The set includes six acrylic teeth (typically molars and incisors) that are anatomically shaped to replicate primary teeth, providing a realistic simulation for pulpectomy practice.
- Ideal for Pediatric Endodontics: Designed to mirror the unique structure and anatomy of primary dentition, this set allows users to practice pulpectomy techniques in a controlled environment, focusing on the removal of infected pulp, cleaning of the root canals, and proper canal filling.
- Durable and Reusable: Made from high-quality acrylic, the teeth are durable and can be reused multiple times for repeated practice, ensuring long-term value for training purposes.
- Compatible with Primary Dentition Jaw Model: The teeth are fully compatible with the Primary Dentition Jaw Model, making them easy to install and use during practice sessions, enhancing the learning experience.
- Realistic Pulpectomy Simulation: The teeth are designed with internal anatomy that simulates the pulp chamber and root canals, providing a hands-on opportunity to practice pulpectomy in a manner closely resembling real-life pediatric cases.

SP077

METAL VICE



The Metal Vice for mounting naturally extracted teeth is a robust and versatile tool designed for dental professionals and educators. This high-quality vice allows for secure mounting of extracted teeth using wax, dental plaster, or stone, making it ideal for various dental procedures, including practice, demonstration, and educational purposes. Made from durable engineering-grade aluminum and powder-coated for added strength and corrosion resistance, this vice provides a stable and reliable platform for working with naturally extracted teeth.

Key Features:

- Durable Engineering-Grade Aluminum Construction: Crafted from high-quality, corrosion-resistant aluminum, the Metal Vice is designed for long-lasting use, ensuring stability and durability during mounting and other dental procedures.
- Powder-Coated Finish: The powder-coated surface enhances the vice's strength and protects it from wear and tear, ensuring it remains in excellent condition for extended periods of use.
- Secure Mounting of Extracted Teeth: The vice allows for easy and secure mounting of naturally extracted teeth using wax, dental plaster, or stone, providing a stable base for various practice procedures, from tooth preparations to restorative work.
- Adjustable and Easy to Use: The vice is designed for ease of use, with an adjustable mechanism that holds the extracted teeth firmly in place, allowing for precise manipulation during dental training and demonstrations.
- Ideal for Educational and Clinical Practice: Perfect for dental schools, clinics, and practitioners, this Metal Vice provides a reliable way to practice tooth extractions, restorations, and other dental procedures on mounted natural teeth.

The Metal Vice for Mounting Naturally Extracted Teeth is an essential tool for dental professionals, educators, and students. Its durable construction, secure mounting capabilities, and easy handling make it an ideal choice for creating realistic and stable setups for a wide range of dental procedures.

SP076

RESIN VICE FOR MOUNTING EXTRACTED OR TRAINING TEETH



The Resin Vice for Mounting Extracted or Training Teeth is a versatile and reusable tool designed for dental professionals to securely mount teeth for practice using wax or plaster. Unlike metal vices, this resin vice is radiolucent, allowing for seamless radiographic imaging, making it ideal for use in radiographic procedures such as RVG (Radiovisiography) imaging. Strong, durable, and adaptable, this vice can be articulated for use with magnetic or screw-in type articulators, providing flexibility for various dental procedures and training applications.

Key Features:

- Radiolucent Resin Construction: Unlike metal vices, the resin material is radiolucent, allowing for clear and unobstructed radiographic imaging, making it ideal for RVG and other radiographic examinations during practice.
- Secure Mounting of Extracted or Training Teeth: Teeth can be easily mounted and secured with wax or plaster, providing a stable platform for practicing procedures such as tooth preparation, restorations, and extractions.
- Reusable and Durable: Designed for repeated use, this resin vice is strong and durable, capable of holding up through multiple practice sessions without compromising on performance.
- Compatible with Articulators: The vice can be articulated and is compatible with both magnetic and screw-in type articulators, making it suitable for a wide range of dental training exercises, including occlusion and bite analysis.
- Custom RVG Design Available: Custom designs tailored for RVG applications can be provided upon request, ensuring that users can create the ideal setup for their specific radiographic needs.
- Ideal for Training and Educational Use: Perfect for dental schools, clinics, and practitioners, the resin vice enables hands-on training with realistic models and radiographic capabilities, enhancing learning and clinical practice.

SP072

JAWS WITH FACILITY TO INSERT EXTRACTED NATURAL TOOTH



The Pair of Upper and Lower Jaw with Slots for Mounting Extracted Teeth is an innovative and practical training tool designed for dental professionals to securely mount naturally extracted teeth using wax. This high-quality model features slots in both the upper and lower jaws, providing a stable and accurate setup for practicing restorative procedures, extractions, and other dental treatments. Additionally, a crevice on the lingual side of the jaw allows for the precise placement of radiographic X-ray film, making it an ideal choice for shooting X-rays during practice and clinical demonstrations.

Key Features:

- Slots for Mounting Extracted Teeth: Both the upper and lower jaws are equipped with dedicated slots, allowing for easy and secure placement of naturally extracted teeth using wax. This feature ensures that teeth are firmly held in place for realistic dental practice.
- Crevice for Radiography X-ray Film: A specially designed crevice on the lingual side of the jaw provides a convenient and secure location for placing X-ray film, enabling the user to shoot X-rays directly through the mounted teeth. This feature is perfect for practicing radiographic techniques and analyzing tooth structures in clinical settings.
- Realistic Upper and Lower Jaw Design: The model is anatomically accurate, offering a lifelike representation of human dental arches for practicing a wide range of dental procedures, including tooth restorations, occlusion analysis, and bite adjustments.
- Versatile Training Tool: Ideal for dental schools, clinics, and educational purposes, this model allows students and professionals to practice both manual dental procedures and radiographic imaging techniques in a controlled and repeatable environment.
- Durable and Reusable: The jaws are made from high-quality, durable material, ensuring long-term use. The model can be reused multiple times, making it a cost-effective solution for dental training.

NA012

FIXED METAL ARTICULATOR



The Fixed Metal Articulator is designed for reliable and precise dental simulations, offering a fixed mouth opening with a consistent gap between the maxilla and mandible. This articulator ensures strong retention of jaws and models, making it compatible with most brands and types of typodonts.

Key Features:

- Fixed Mouth Opening: Maintains a consistent gap between the maxilla and mandible for accurate positioning.
- Strong Model Retention: Provides secure holding of models, ensuring stability during procedures.
- Universal Compatibility: Fits most brands and makes of typodont jaws and models, offering flexibility in training and practice.

The Fixed Metal Articulator is an essential tool for dental professionals, providing durability and precision for various training and simulation needs.

NA011

UNIVERSAL METAL ARTICULATOR



The Universal Metal Articulator is a fully adjustable tool designed to offer precise control over jaw positioning and movement. Compatible with most brands and types of typodont jaws and models, this articulator provides flexibility for a wide range of dental training applications.

Key Features:

- Fully Adjustable: Allows for precise adjustment of height and angle for customizable jaw positioning.
- Lockable Gap Between Maxilla & Mandible: Securely locks the gap, ensuring consistent positioning during training.
- Simulated TMJ Movements: Mimics limited temporomandibular joint (TMJ) movements for realistic simulations.
- Customizable for Specialized Training: Easily adapts to custom training models for specialized exercises such as X-ray training, implant training, and prosthetics.

The Universal Metal Articulator is an ideal solution for dental training programs, offering versatility, precision, and adaptability for a variety of hands-on learning experiences.

NA026

ADVANCED MAGNETIC ARTICULATOR



TThe Advanced Magnetic Articulator features a cutting-edge design with condylar ridges and a ramus that simulates the temporomandibular joint (TMJ), providing a highly realistic jaw movement experience. This articulator allows for smooth, lifelike motion while enabling precise control over the jaw's opening and closing.

Key Features:

- Magnetic Jaw Retention: Jaws are securely held magnetically, allowing for quick and easy access for teeth changes.
- Condylar Ridges & TMJ Simulation: The condylar ridge moves forward as the mandible is pushed down to open, locking into a fixed position for an ideal mouth opening.
- Retention Spring: Ensures the jaws return to occlusion after movement, simulating natural jaw alignment.
- Efficient Teeth Changes: The magnetic system allows for fast and easy replacement of teeth, improving efficiency in training.

The Advanced Magnetic Articulator offers a realistic and dynamic solution for dental training, combining precision, flexibility, and ease of use for a wide range of applications.

NA025

ADJUSTABLE MAGNETIC ARTICULATOR



The Adjustable Magnetic Articulator is designed for ease of use and precision, holding the Navadha ZX jaws securely in place with a magnetic retention system. Featuring a hinge articulator at the back, it offers flexible movement and positioning for realistic simulations.
Key Features:

- Magnetic Jaw Retention: Holds the Navadha ZX jaws securely using a magnetic system for quick and easy adjustments.
- Hinge Articulator: Allows for adjustable movement at the back, enabling a natural range of motion for accurate jaw positioning.
- Compatibility with Model AG-3: This articulator is also fully compatible with Model AG-3, providing versatile options for various jaw models.

The Adjustable Magnetic Articulator is an excellent tool for dental training, offering a reliable and flexible solution for working with different jaw models.

NA035

PORTABLE MINI AIR TURBINE CONTROL BOX



The Portable Mini Air Turbine Control Box offers a compact and efficient solution for managing air turbine functions during dental training or practice. This easy-to-use control unit includes everything needed for air and water flow management.

Key Features:

- Air Turbine Connection: Seamlessly connects to your air turbine for reliable operation (turbine not included).
- Clean Water Bottle: Provides a dedicated water source for the turbine.
- Adjustable Air & Water Flow: Allows precise control of air and water flow to the turbine for optimal performance.
- Actuating Foot Pedal: Enables hands-free control of turbine and syringe functions.
- Air-Water Syringe: Included for versatility in dental procedures.
- Compressed Air Supply required to operate this unit.

The Portable Mini Air Turbine Control Box is the ideal solution for mobile or compact dental setups, providing essential turbine functionality wherever you need it.

NA036

PORTABLE CONTROL BOX



The Portable Control Box is a versatile and compact solution for managing essential dental equipment in mobile or temporary setups. It allows you to control both air and water flow for various dental instruments, making it perfect for on-the-go training, demonstrations, or clinics.

Key Features:

- Air Turbine & Slow-Speed Handpiece Connection: Supports connection for both air turbine and slow-speed handpiece (handpieces not included).
- Clean Water Bottle: Dedicated water reservoir for the turbine, ensuring a constant water supply.
- Adjustable Air & Water Flow: Precisely control the air and water flow to the turbine for optimal performance during procedures.
- Individual Handpiece Foot Pedal: Offers hands-free control of handpiece functions for greater convenience and precision.
- Air-Water Syringe: Included for additional versatility in dental treatments.
- Compressed Air Supply required to operate this unit.

CUSTOMIZED MODEL

WE WILL HELP YOU IN ORDER TO DESIGN AN EXCLUSIVE MODEL THAT FITS ALL YOUR NECESSITIES.

1. CONTACT US

Reach out with a detailed description of your idea at contactus@navadha.com

2. PROJECT EVALUATION

Our expert dental panel will review and assess your project.

3. BUDGET PROPOSAL

Based on your needs, our team will provide a tailored budget.

4. PROTOTYPE DESIGN

Upon budget approval, our expert team will begin designing the first prototype.

5. SENDING SAMPLES

We will send a sample to the client for testing to ensure everything is correct.

6. PROTOTYPE APPROVAL

After testing the prototype & making any necessary adjustments, the client will provide final approval.

7. MODEL PRODUCTION

Once the prototype is approved, production of the final model will begin.

To ensure timely delivery of your customized model, it's crucial to place your order at least 2 months before your course. Ordering too late may lead to unforeseen delays due to external factors that could affect package delivery.



NAVADHA DENTAL

SYNCROTECH

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