Gaumard®
Simulators for Health Care Education

REPRESENTANTE EXCLUSIVO PARA EL ECUADOR

SOCIEDAD RADIOTÉCNICA ECUATORIANA

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

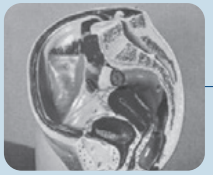
1946

A synthetic human skeleton

1949

Transparent Obstetric Phantom

1955



Anatomic teaching models

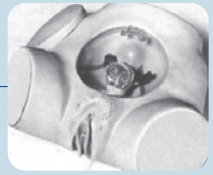
1960

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.

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.

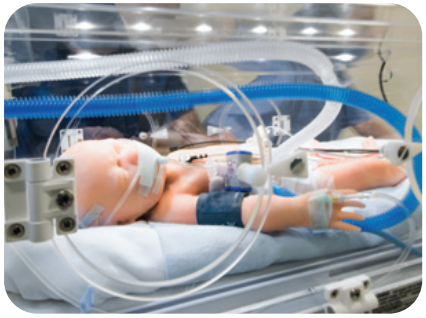
Pediatric HAL® S2225

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.

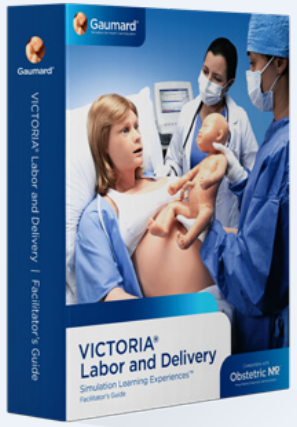
Streaming audio lets you act as the voice of the patient and engage participants in realistic dialogue to rehearse patient-provider interactions much more effectively.

- 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.

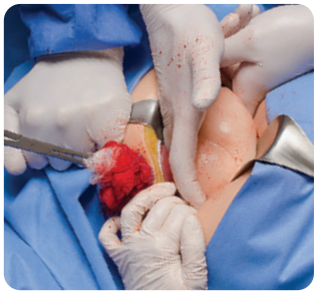
The package includes nine SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

- 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

VICTORIA® S2200 — Maternal and Neonatal Birthing Simulator

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

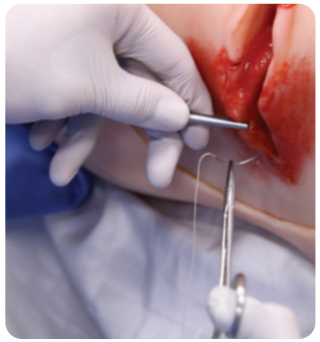
VICTORIA features programmable bleeding that may be reduced through fundal massage, medication, or even the insertion and inflation of a real balloon tamponade device.

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 — Maternal and Neonatal Birthing Simulator

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.

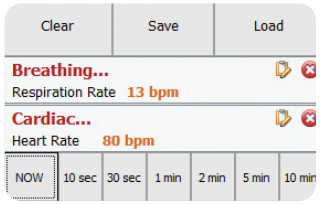
Automated precision delivery system

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.



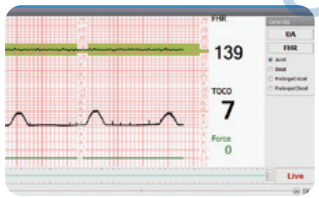
Scenario library
Includes a library of preprogrammed scenarios and a facilitator's guidebook.

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.



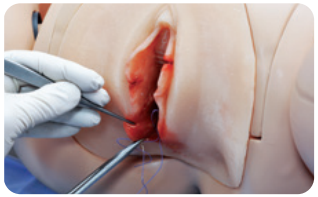
Real-time feedback
Monitor and log pull force applied to fetus, contractions, and vital signs. Signals alert when excessive force is used.

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® S575.100 — Advanced Maternal and Neonatal Birthing Simulator

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.

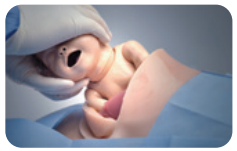
Cephalic delivery baby
The cephalic delivery baby has audible heart sounds before, during, and after delivery. Monitoring technology reports pull-force applied by the participant in real-time.

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

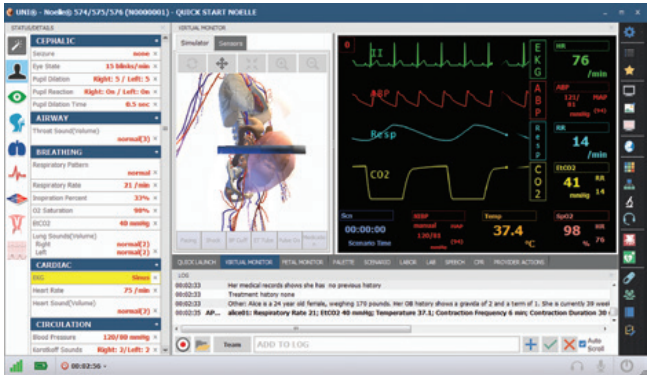
Newborn TORY S2210 is a realistic, full-term, wireless and tetherless newborn patient simulator designed for practicing assessment, stabilization, resuscitation, transport, and hand-off protocols.

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.

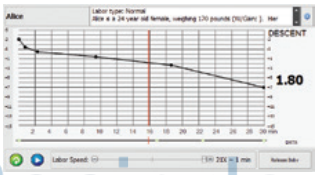
Powerful yet intuitive

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.

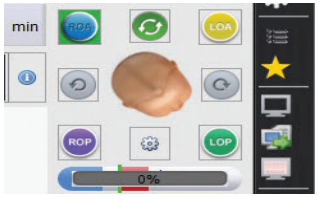


Labor control and descent curve

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

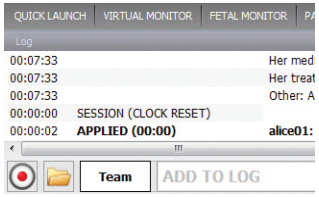
Perinatal monitor

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



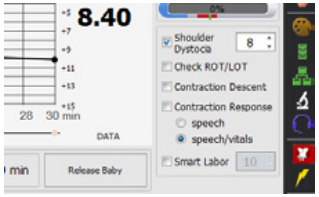
Cardinal movements

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

NOELLE® S575.100 — Advanced Maternal and Neonatal Birthing Simulator

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, NIBP, 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

NOELLE® S575.100 — Advanced Maternal and Neonatal Birthing Simulator

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

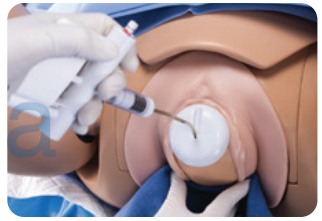
The NOELLE® with Newborn Package is a value-packed, turnkey solution designed to help students and staff develop the skills to manage antepartum complications, routine and high-risk deliveries, and postpartum emergency scenarios, as well as neonatal resuscitation and stabilization.

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

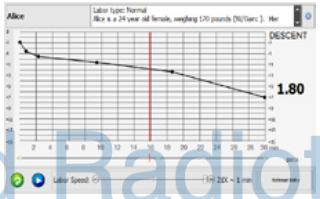
To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

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

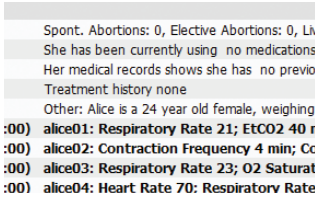
Control labor variables such as labor duration, delivery position, contraction response, and much more.

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.

NOELLE® S554.100 — Childbirth and Neonatal Resuscitation Patient Simulator

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.

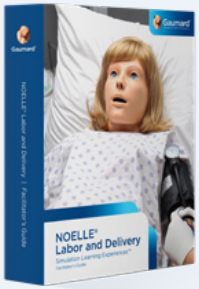
Immersive childbirth simulation

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

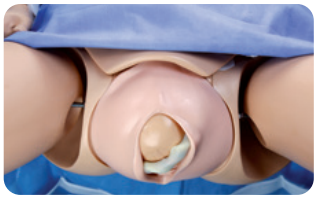
To learn more about Gaumard's Simulation Learning Experiences™ (SLEs) courseware packages, see page 255.

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.

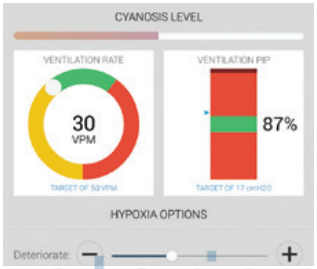
Breech delivery
Simulate frank, complete, footling breech, and more.

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 — Childbirth and Neonatal Resuscitation Simulator

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

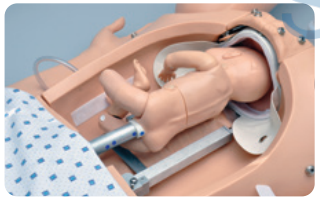
The NOELLE S550.100 Maternal and Newborn Care Patient Simulator Package is a comprehensive teaching system that combines the best features of our advanced childbirth simulators to provide a complete birthing simulation experience before, during, and after delivery.

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

NOELLE® S550.100.250 — Childbirth and Neonatal Resuscitation Simulator

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.

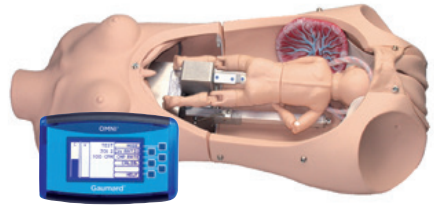
Features

- 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

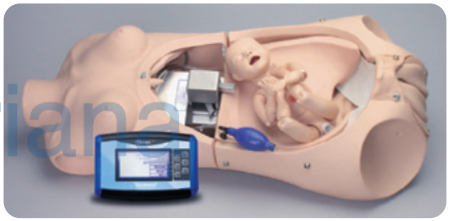
NOELLE® S552 with OMNI®

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

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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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Obstetric simulators

OBSTETRIC BIRTHING TORSOS

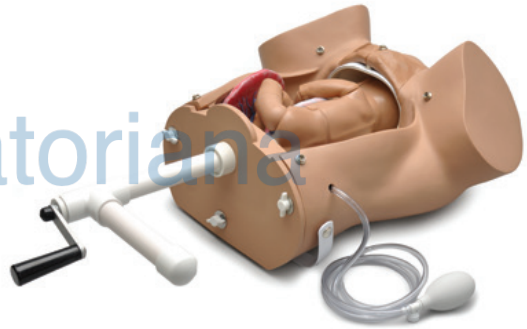
Childbirth and Postpartum Care Management

Advanced OB SUSIE® S500.200

S500.200.PK

OB SUSIE® S500.100

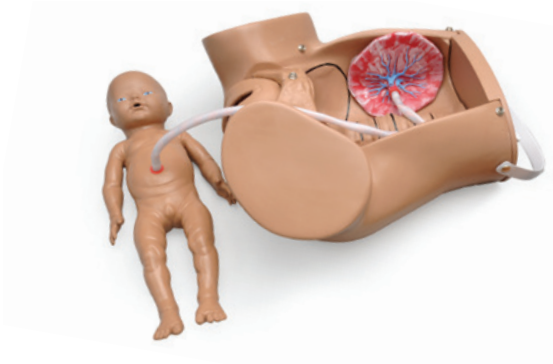
S500.100.PK



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.

Advanced OB SUSIE® S500.200 — Birthing Torso

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.

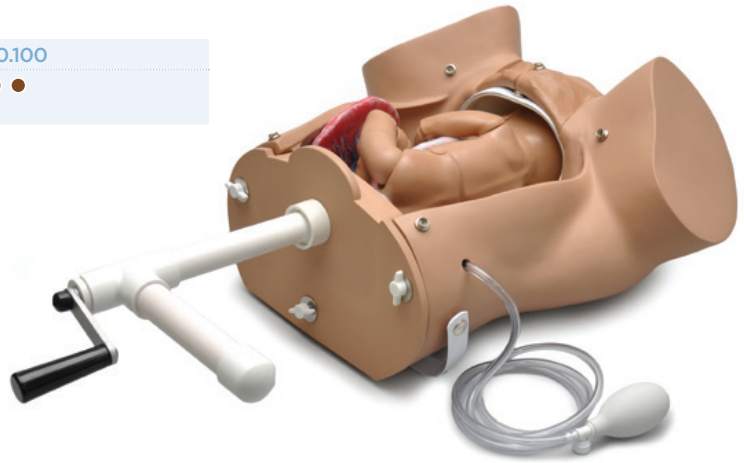
Heart rate, crying, & airway sounds
Select fetal heart rate, maternal HR, newborn crying, grunting, or stridor sounds.

Scan to browse Obstetric simulators

OB SUSIE® S500.100

S500.100.PK

Patent 6,503,087

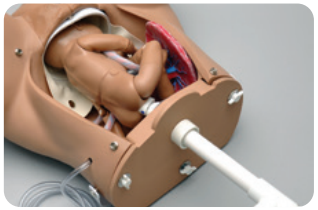


Features

- 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

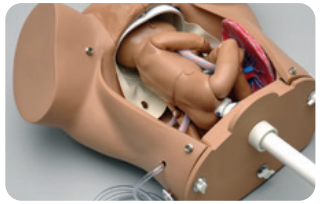
- One fetus for "version" exercises
- One padded stomach cover
- Accessories
- Instructions
- Carrying bag



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

Scan to browse Obstetric simulators

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

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

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

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

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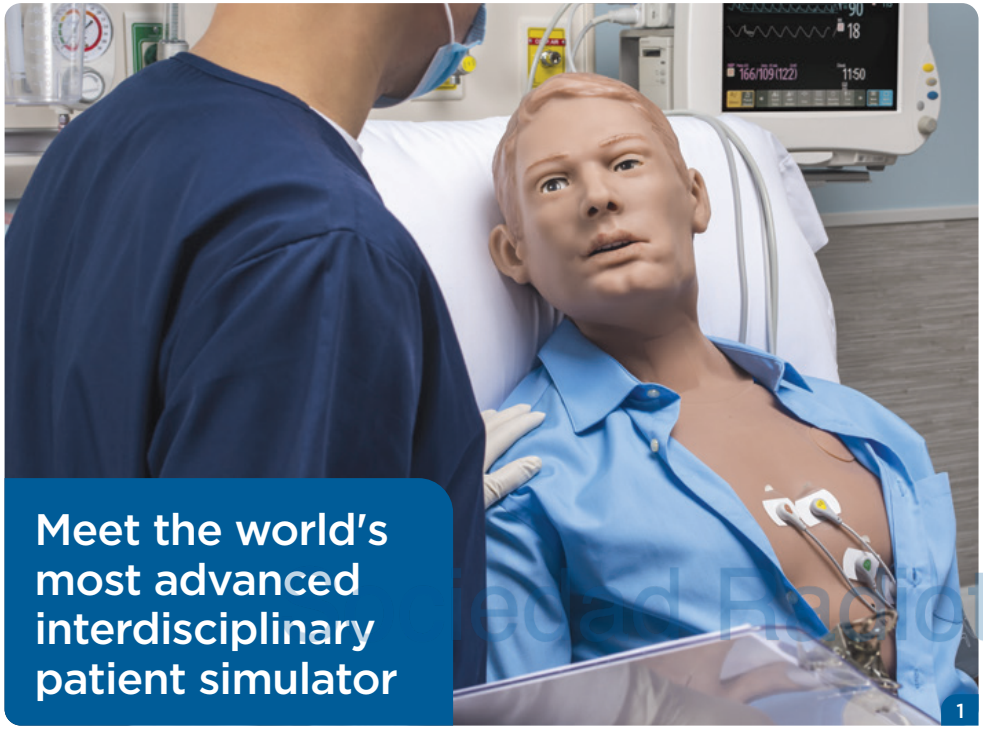
HAL® S5301

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

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.

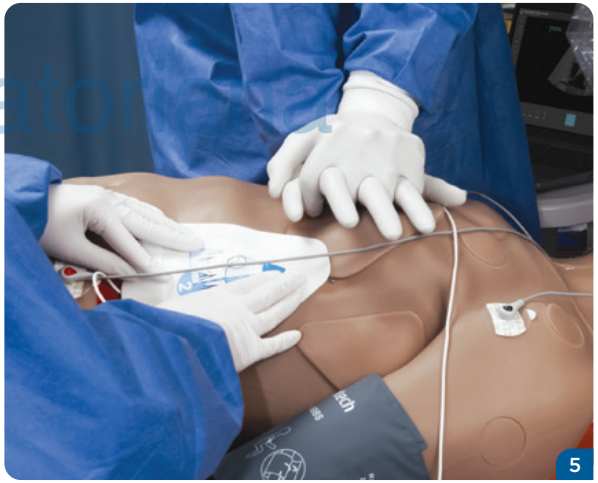
6. Trauma arm and leg
Optional trauma arm and trauma leg accessories feature bleeding wound and tourniquet placement detection.

HAL® S5301 — Advanced Interdisciplinary Patient Simulator

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.

HAL® S5301 — Advanced Interdisciplinary Patient Simulator

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.

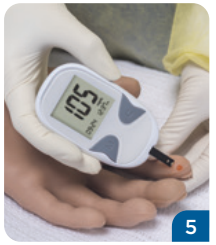
3. Intra-arterial blood pressure monitoring
Radial arterial access site permits catheterization, flashback, sampling, and IBP monitoring; interfaces with real adjuncts, sensors, and devices.

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.

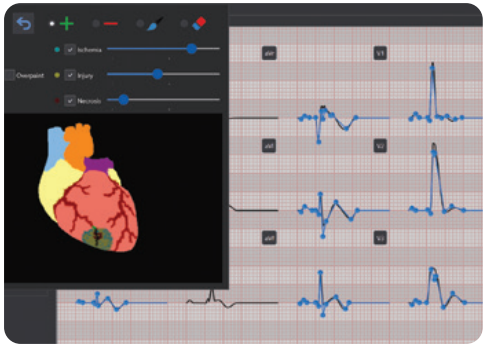
Feedback for debriefing

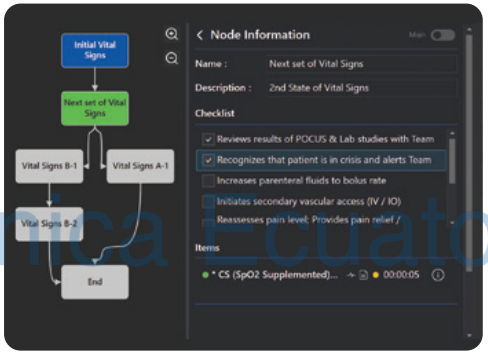
UNI 3 interfaces with sensors in HAL to provide you with more detailed real-time performance and event data to aid assessment and debriefing.

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

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

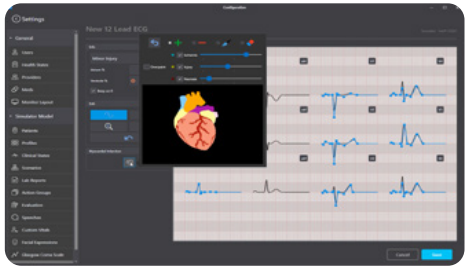
HAL® supports a broad range of real patient monitors and sensors. This unique capability allows participants to practice setting up and operating equipment just as they would in real situations.

- 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.

HAL® S3201 — Advanced Multipurpose Patient Simulator

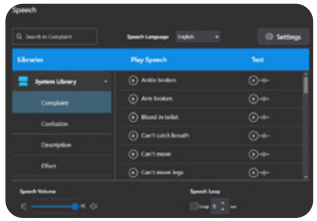
Train general and specialized practitioners across the continuum of patient care

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

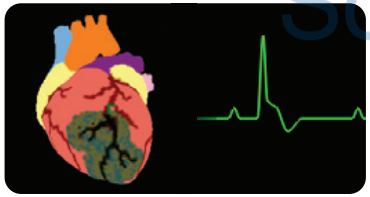
Evaluate providers directly from UNI 3.
Create interactive forms to assess participant performance and aid debriefing.

Time-stamped event log

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

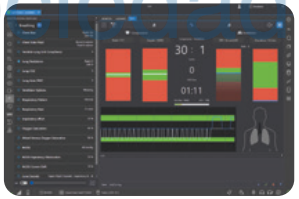
Complimentary webinar training

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.

HAL® S3201 — Advanced Multipurpose Patient Simulator

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.

HAL® S3000 — Wireless and Tetherless Prehospital and Nursing Patient Simulator

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

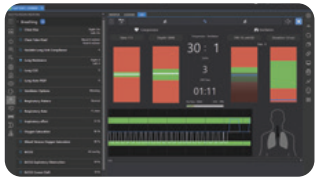
Defibrillate, cardiovert, and pace using real EMS equipment and see HAL's ECG on your real devices.

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.

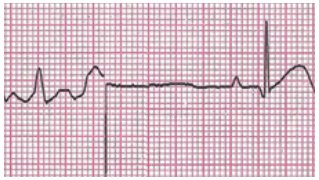
Wireless and tetherless

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.

HAL® S1000 — Advanced Life Support and Emergency Care Wireless Patient Simulator

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.

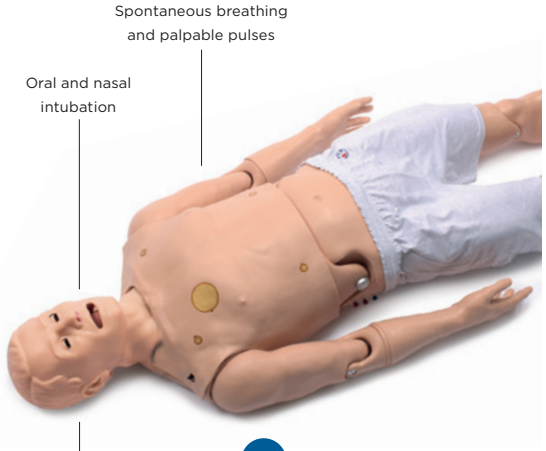
- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing

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

Code Blue® III Family — ALS and Emergency Care Simulators

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.

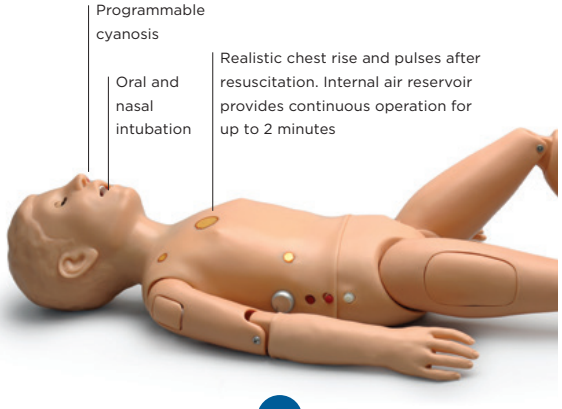
- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing

OMNI® 2 real-time CPR feedback

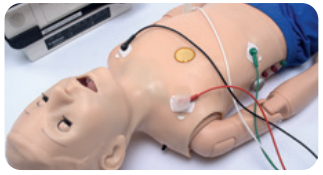
Monitor CPR quality metrics in real-time

- » 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

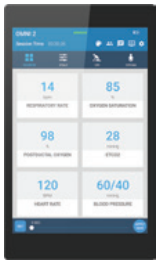
S300.105.060

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

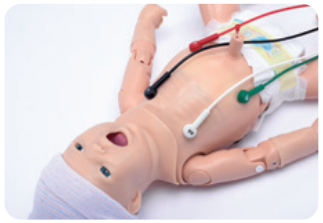
- Interactive checklists let you easily track provider actions during the exercise
- Export CPR performance reports for debriefing

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

Code Blue® III Family — ALS and Emergency Care Simulators

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

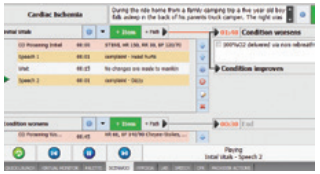
S300.110.060

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

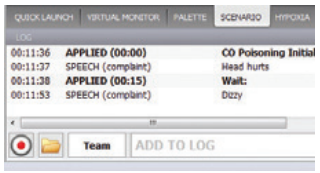
Scan to browse Emergency and ALS simulators

Code Blue® III UNI® Unified Simulator Control Software Upgrade

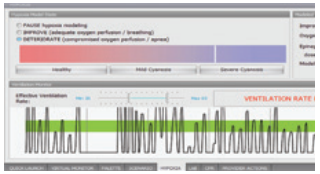
- Includes a library of preprogrammed scenarios
- Easy to use on-the-fly controls and scenario builder
- Real-time CPR quality and performance information
- Lab report generator
- Track care provider actions
- Generate event logs and performance reports for debriefing and archiving



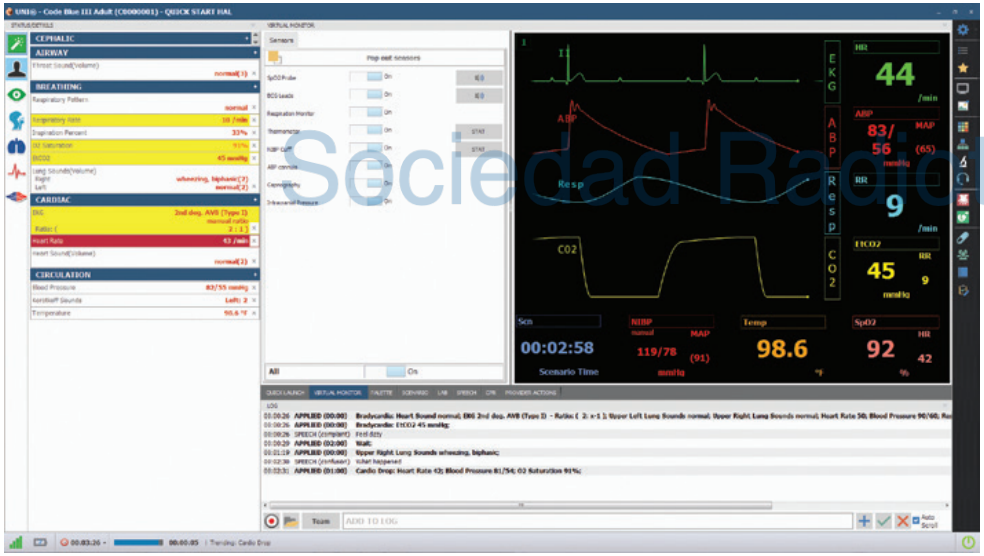
Link “Palette” items to build a linear or branching scenario



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

Code Blue® III Family — ALS and Emergency Care 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

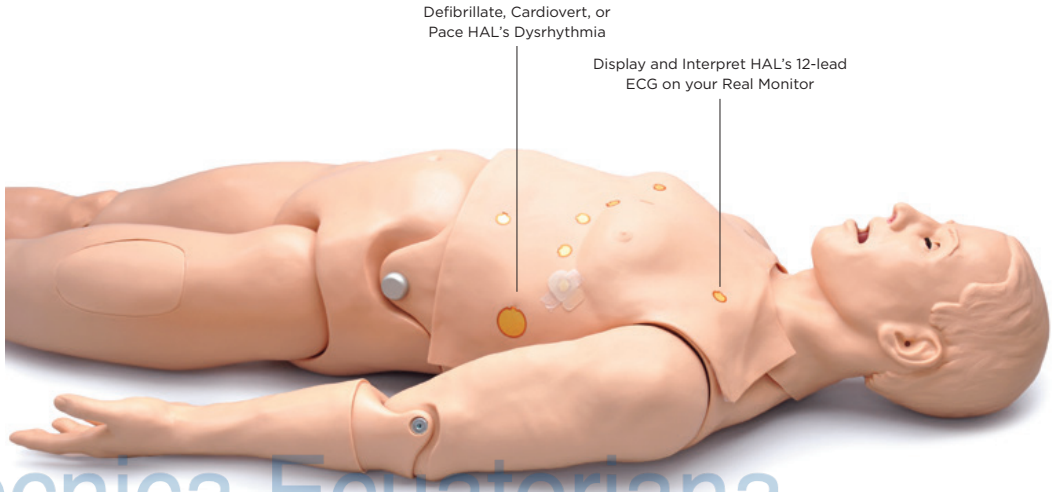
Skin tone options available at no extra charge • Standard o Optional Add-On/Accessory

Scan to browse Emergency and ALS simulators

HAL® S1020

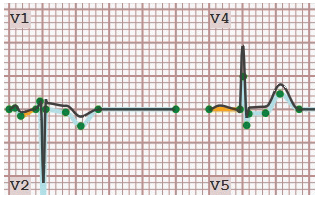
12-Lead ECG Skill Trainer

12-lead ECG simulator with integrated myocardial infarction model



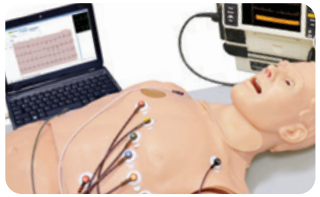
Includes UNI control laptop

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



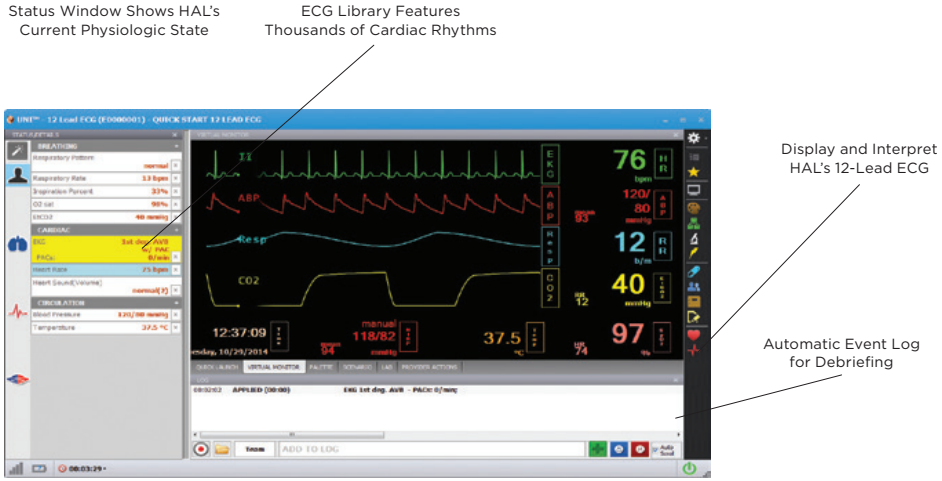
Specify additional 12-lead ECGs using our editing feature

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

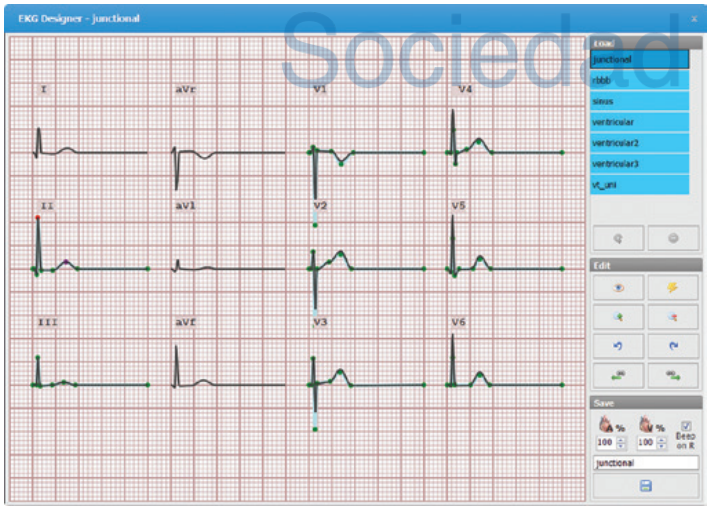


Use your real 12-lead ECG monitor

HAL® S1020 — 12-Lead ECG Skills Trainer



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

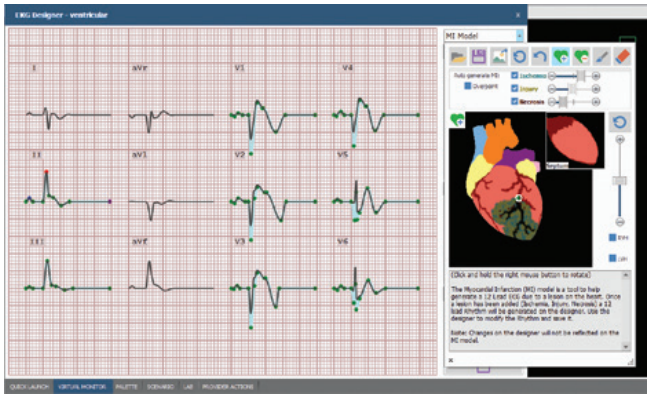
HAL® S1020

S1020

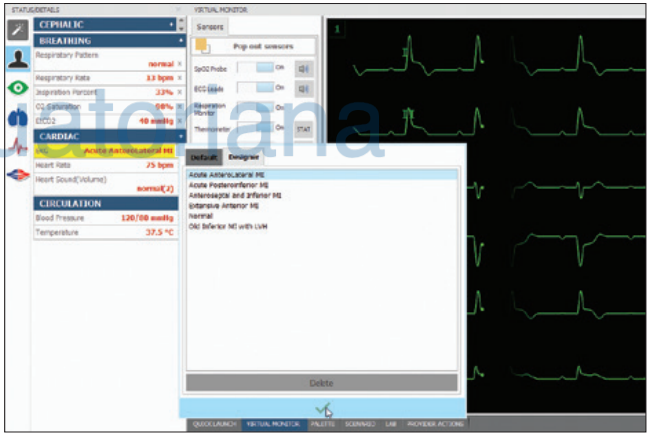
HAL S1020 patient simulator, UNI® Laptop PC, accessories, user guide, and One-Year Limited Warranty. Skin tones available at no extra charge.

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.

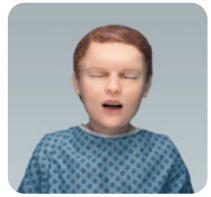
What's more, the powerful UNI® 3 software lets you create your new facial expressions and emotions to expand the scope of the learning experiences. The UNI 3 library includes the following presets to get you started:

- 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

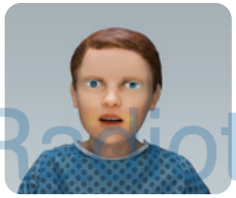
Horizontal head movement (Active robotics)

Truly comprehensive pediatric patient assessment exercises

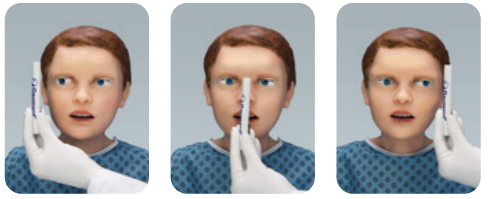
Interactive eyes and color-changing skin allow Pediatric HAL to illustrate signs of varying emotional states, trauma, and many other neurological diseases and conditions.

- 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

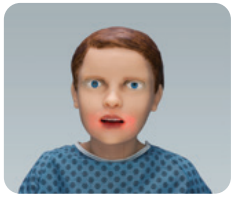


Jaundice



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

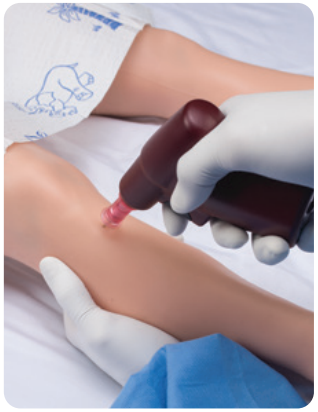
Tracheal intubation detection

Supraglottic airway device support

Anterior/posterior defibrillation

Realistic chest recoil

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



Intraosseous infusion

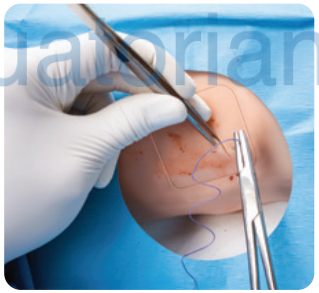
Left-midaxillary hemothorax site

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

Pediatric HAL® S2225 — Advanced Pediatric Patient Simulator

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

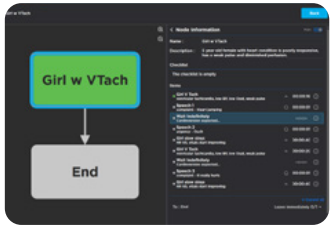
Intraosseous infusion and injection system with realistic tibia bones.

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

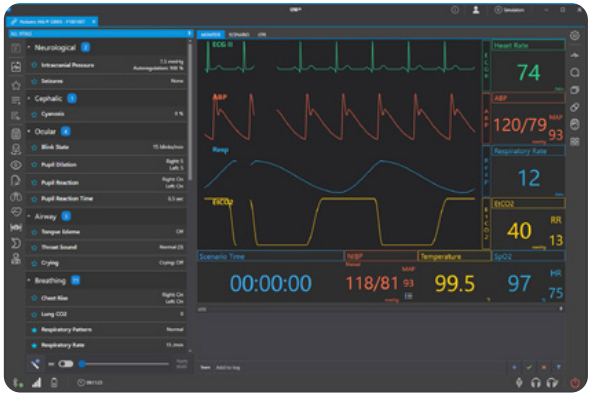
Intraosseous infusion and injection system with realistic tibia bones.

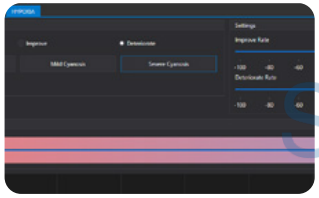
Cyanosis

Color and vital signs respond to hypoxic events and interventions.

Elevate your training with the all-new UNI® 3

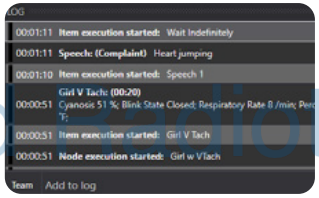
- Adjust vitals on-the-fly or automate changes using the included scenarios
- UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate your different Gaumard models
- Create your own custom scenarios tailored to your learning objectives
- Monitor CPR performance metrics in real-time, 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



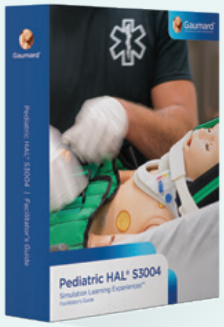


Hypoxic model responds to care provider actions

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®

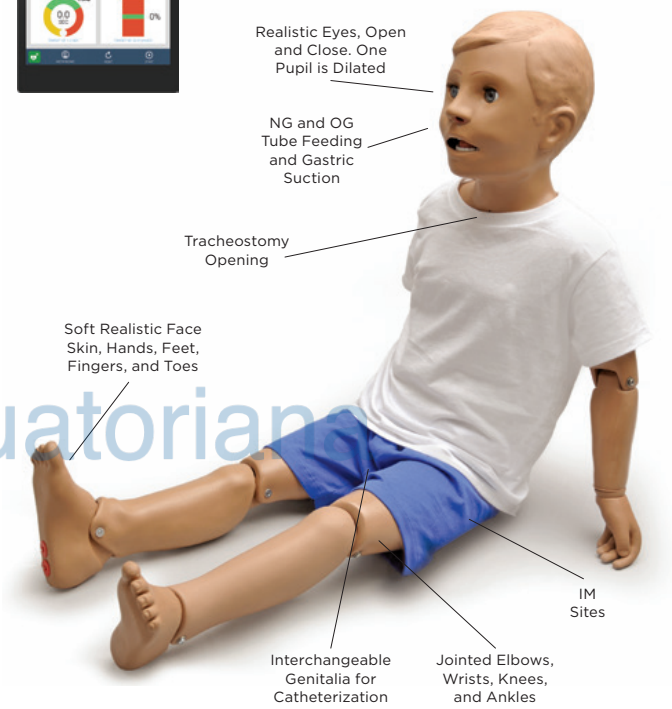
S155.PK

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

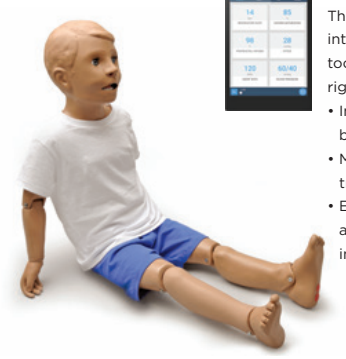
Intraosseous infusion and injection system with realistic tibia bones. Allows infusion of fluids, blood, and/or drugs directly into the bone marrow of the tibia.

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	•	•	•	•	o
IV training arm	•	•	•	•	o
Femoral vein	•	•	•	•	-
Manual palpable pulses	•	•	•	•	-
Carotid, femoral, brachial	•	•	•	•	-
Stomas for ileostomy, colostomy, and suprapubic exercises	•	•	-	-	o
Interchangeable genitalia	•	•	-	-	•
Male and female catheterization	•	•	-	-	•
BVM with realistic chest rise	•	•	•	•	-
CPR anatomical landmarks	•	•	•	•	-
Chest compressions and ventilations are measured and logged	•	o	•	o	-
Tracheostomy care	•	•	-	-	•
Lavage/gavage	•	•	•	•	o
G-tube placement	•	•	-	-	o
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 o Optional Add-On/Accessory

S157/S155/S150 — Five-Year-Old Pediatric Nursing and CPR Simulators



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

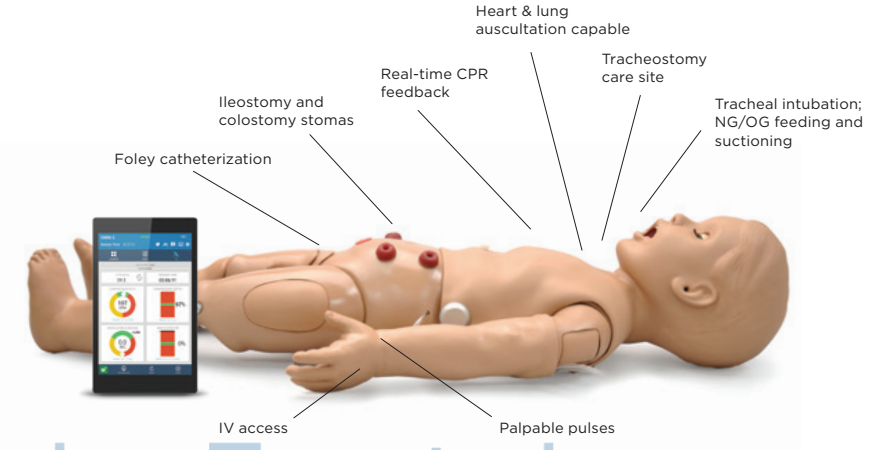
PEDIATRIC 1 YEAR

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

S117/S115/S110 — One-Year-Old Pediatric Nursing and CPR Simulators

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)

Newburn TORY® S2210 — Wireless and Tetherless Neonate Simulator

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.

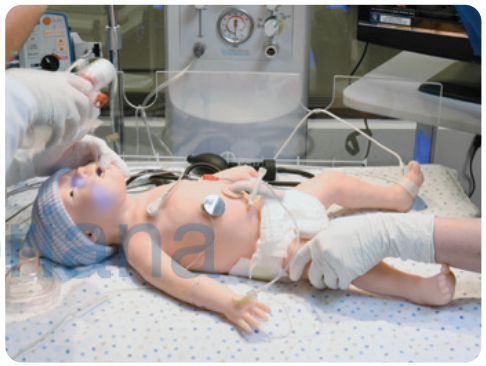
Care and monitoring using real devices

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

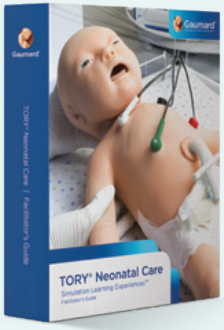
Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

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.

Newborn TORY® S2210 — Wireless and Tetherless Neonate Simulator

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)

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.

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

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

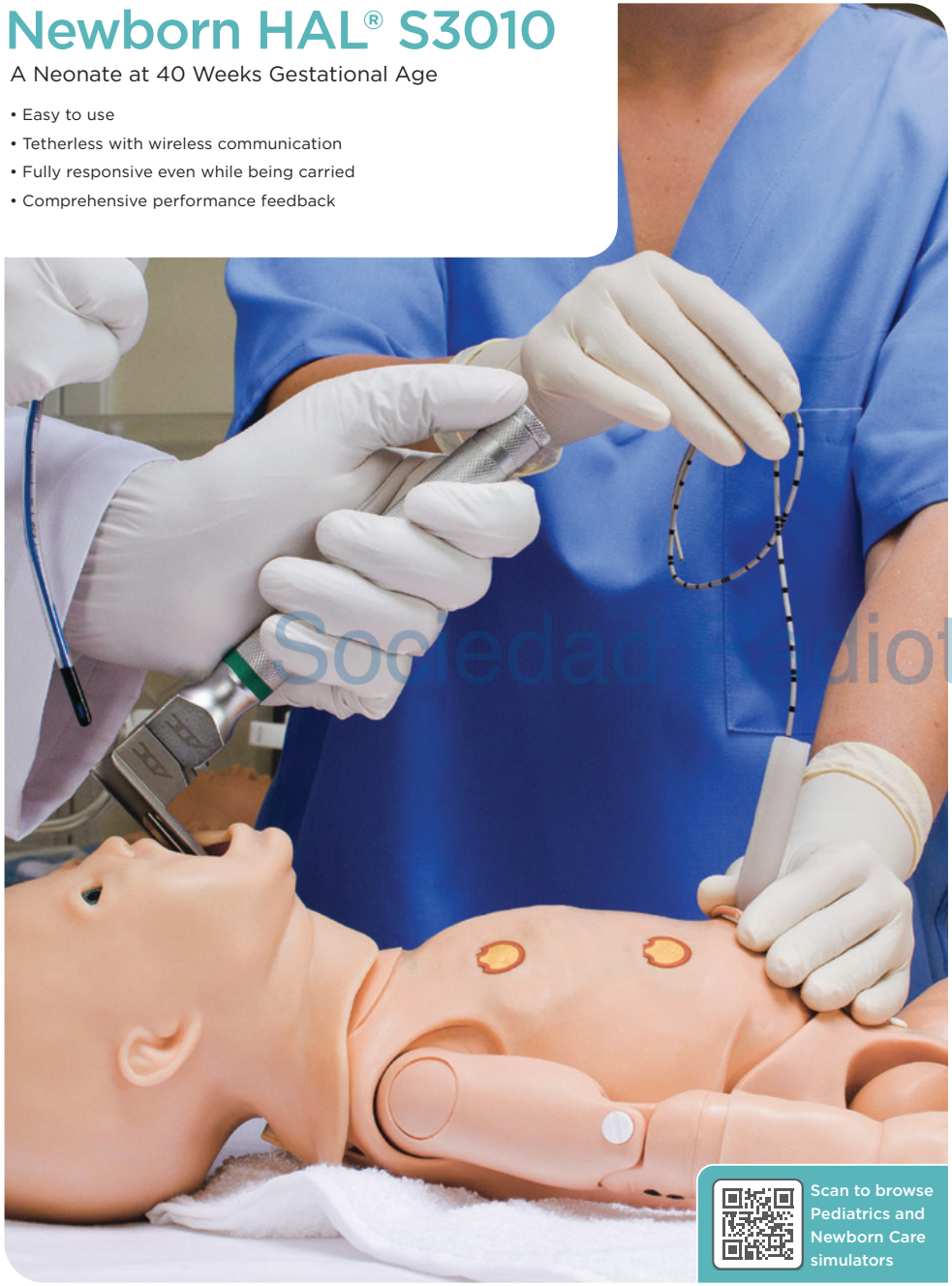
CIM.PK

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

Newborn HAL® S3010 — Neonate at 40 Weeks Gestational Age

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

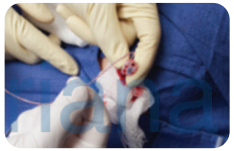
Advanced neonatal skills training

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

S107 / S105 / S100 / S320.100 / S320.101 / S108 Premie and Newborn Neonatal Nursing Patient Simulators

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

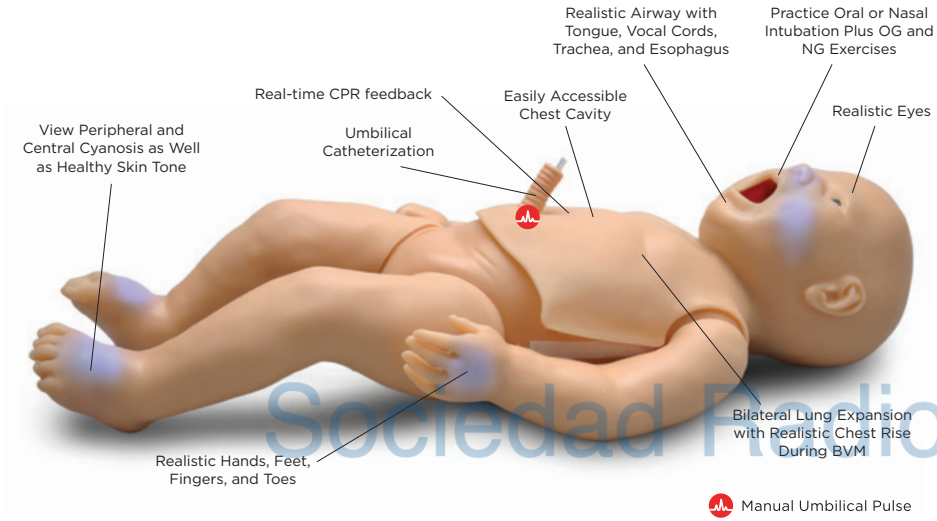
Umbilical Catheterization Site
S100.704

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.

PEDI® Blue Neonate — Blue Neonates

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

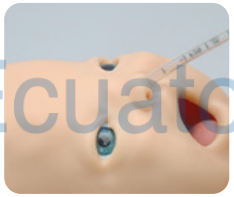
IO Leg Option

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

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

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.

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

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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

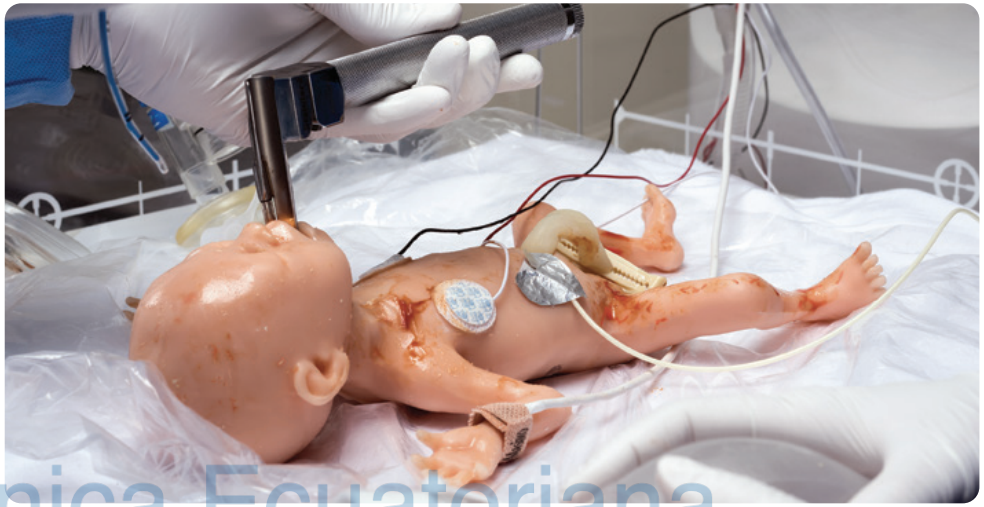
Premie HAL® S108.100

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

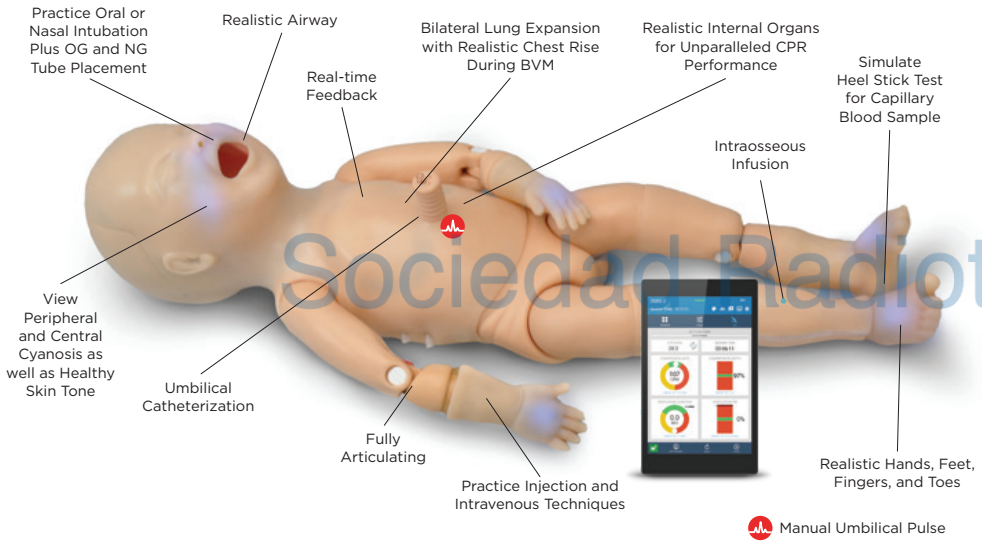
The new Gaumard® virtual patient monitor for OMNI® 2 looks and functions like a real monitor. It offers continuous, real-time patient data to help learn critical thinking and decision-making skills.

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

Trauma HAL® Series — Rugged, Resilient, and Tetherless

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

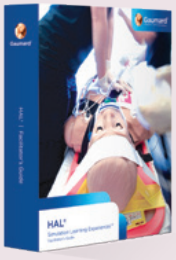
UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

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

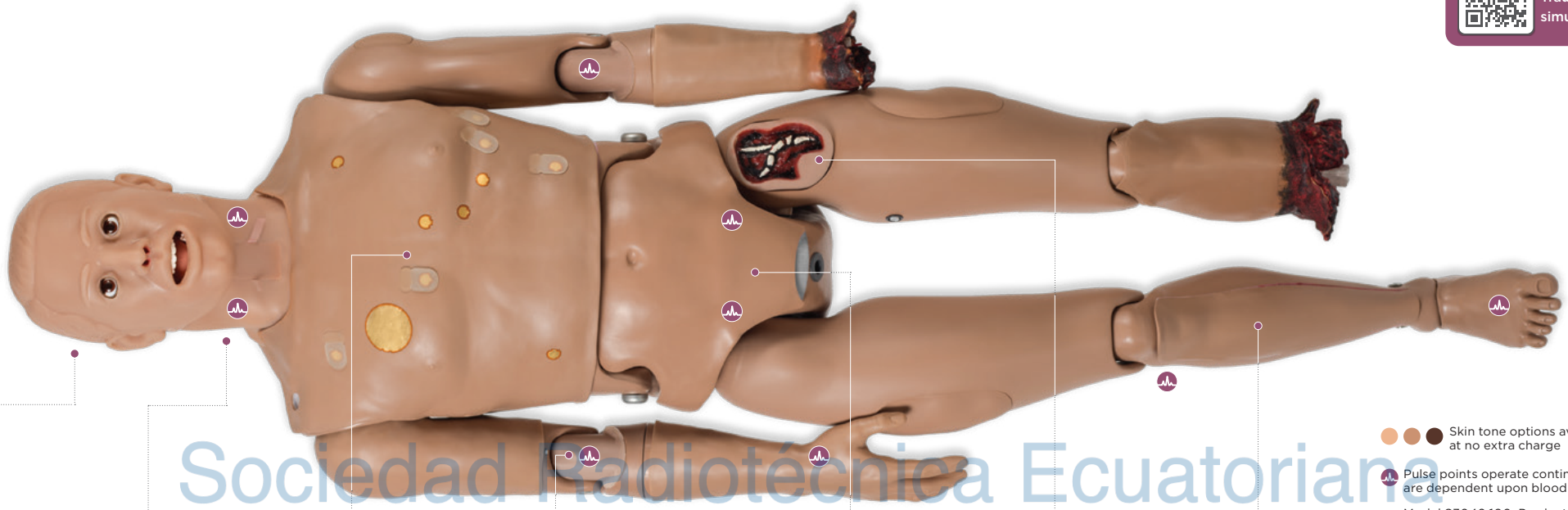
The Trauma HAL Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs, complete with a facilitator's guidebook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

Trauma HAL® Series — Rugged, Resilient, and Tetherless

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.

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

- **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

Trauma HAL® Series — Rugged, Resilient, and Tetherless

	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

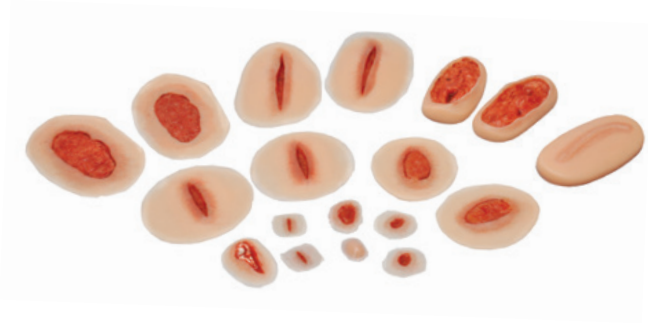
- Designed for Gaumard patient simulators
- Specially formulated silicone offers lifelike look and feel
- Tough, resilient, and reusable
- Ready for use and easy to apply; no makeup or paint required
- Light, medium, or dark skin tone kits available at no extra charge
- Carrying Case included

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

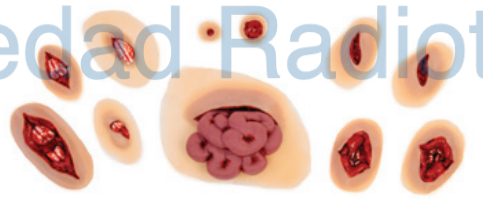
Burn on chest

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

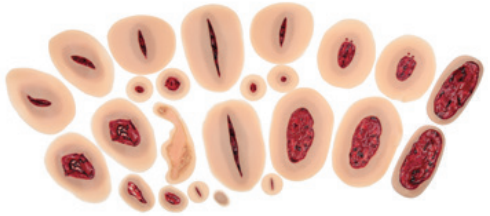
Open tibia fracture

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

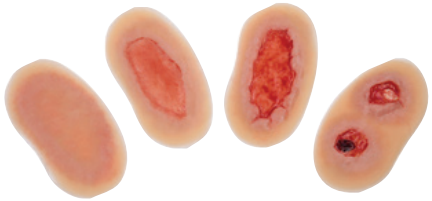
Deep wound in thigh

Decubitus Ulcer Wound Kit

WK145

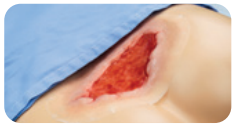
- 4 wound types

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

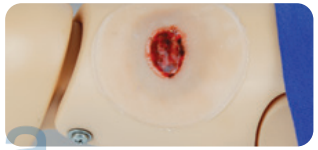
WK125

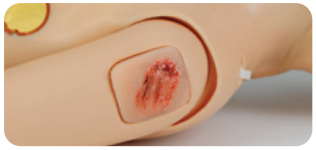
- 11 wound types
- 15 total wounds

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.

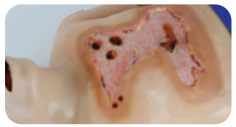

Facial burn 1st degree


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

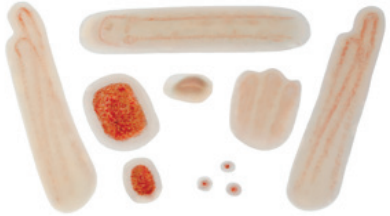

Femur compound fracture

Pediatric Physical Abuse Wound Kit

WK140

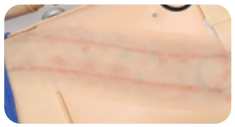
- 7 wound types
- 10 total wounds

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.

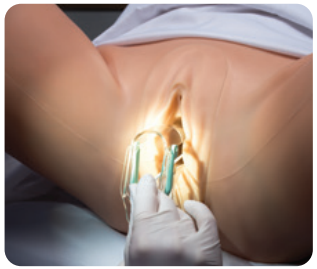
Gastrostomy, colostomy, ileostomy
Verify G-tube placement and patency. Administer feeds, meds, and stoma care

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

SUSIE® S2400 — Advanced Practice Nursing Patient Simulator

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.

SUSIE® S2000 — Advanced Female Patient Simulator

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 Experience™

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.

SUSIE® S901 — Clinical Nursing Patient Simulator with OMNI® 2

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

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® 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.

	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

SUSIE® Series — Features Comparison

	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

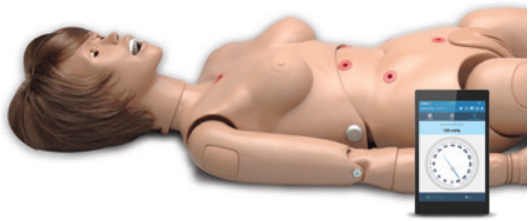
Meet Susie Simon®. The original nursing patient simulator trusted by nursing programs around the world

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	o	•	-	-
Gastrointestinal procedures and enema administration	•	•	-	-
Stylish wig for haircare exercises and surgical draping	•	•	-	•
Amputation stump	o	o	o	o
Set of two decubitus ulcers	o	o	o	o
Ulcerated foot	o	o	o	o
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	o	o	o	o
Advanced Intravenous Training Arm	o	o	o	o
Arterial and Venous Training Arm	o	o	o	o
Heart and Lung Sounds				
Site-specific heart and lung sounds with Virtual Stethoscope	o	o	o	o
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	o	o	o	o
User guide	•	•	•	•

Skin tone options available at no extra charge

• Standard o 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

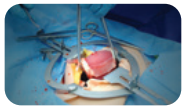
Skin tone options available at no extra charge

Surgical CHLOE™ S2101

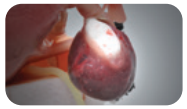
Full-Body Surgical Simulator

- 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

Scan to browse Adult Nursing Care simulators



Hysterectomy



Removal of endometrioma

Ruptured ectopic pregnancy

Removal of dermoid cyst

Incision and dissection

Address ACGME skills

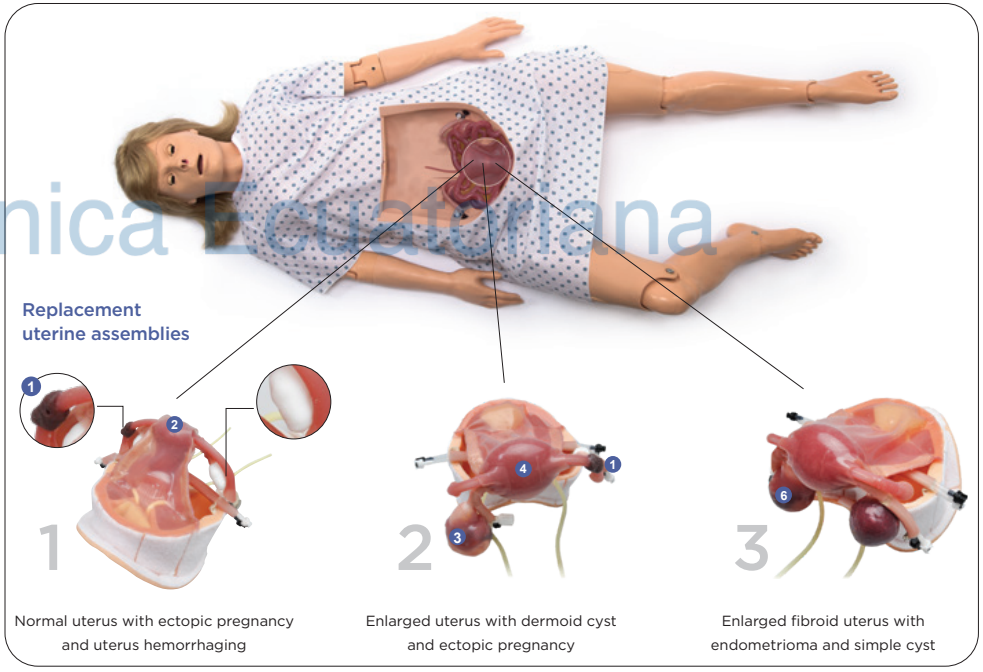
The simulator can address competencies in six areas: patient care, medical knowledge, practice-based knowledge and improvement, systems-based practice, communication, and professionalism.

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

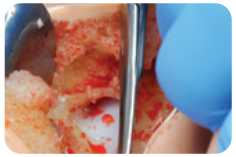
1. Ectopic pregnancy
2. Normal-size uterus with hemorrhaging
3. Dermoid cyst
4. Enlarged uterus
5. Endometrioma
6. Simple cyst
7. Enlarged uterus with embedded fibroids

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

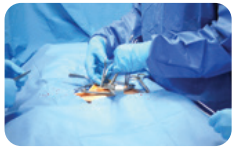
Abdominal inserts and uterine assemblies incorporate simulated blood for the realistic practice of hemostatic techniques.

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

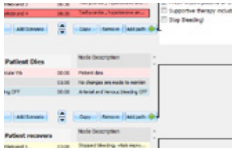
Monitor compression and ventilation performance in real time.

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

Surgical CHLOE™ S2101 — Full-Body Surgical Simulator

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

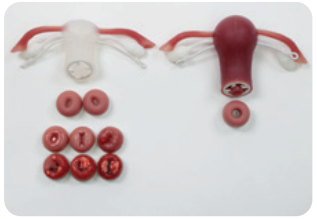
Clinical CHLOE™ Basic

S221.PK

Skin tones available at no extra charge

Light Medium Dark

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.

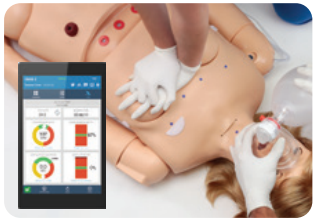
Catheterization
Permits male or female catheterization with soft silicone catheters.

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	o	o	o
Set of two decubitus ulcers	•	•	o
Ulcerated foot	•	o	o
Manual palpable pulses	•	•	-
Interchangeable male and female organs (Both Included)	•	•	•
Blood pressure arm with real-time feedback	•	o	o
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	•	•	o
Heart and Lung Sounds			
Site-specific heart and lung sounds with Virtual Stethoscope	•	o	o
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 o 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

Scan to browse Adult Nursing Care simulators

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

Scan to browse Adult Nursing Care simulators

Scan to browse Airway and Respiratory simulators

HAL® S1030

Airway and Mechanical Ventilation Management Skills Trainer

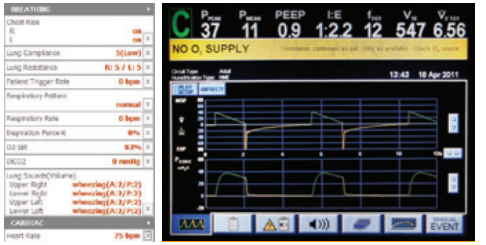
- Adult HAL full-size body
- Supports real mechanical ventilators and standard modes of ventilation
- Intubatable and programmable airway
- Programmable, dynamic lung compliance
- Independently control right and left side airway resistances

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.

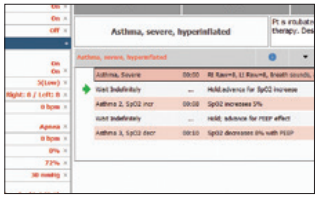


Moderate asthma
HAL lung compliance 5, left/right lung resistance 5

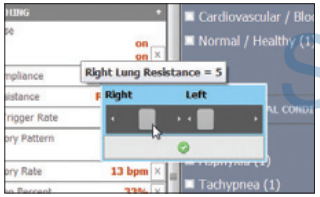
Normal compliance loop
HAL lung compliance 7

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.

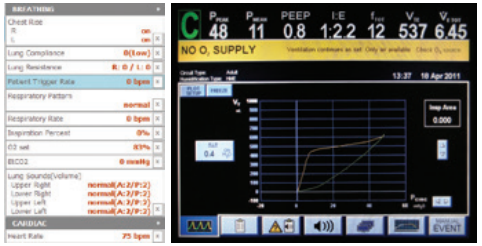


Change airway and lung function parameters on the fly and see real-time feedback on a mechanical ventilator.

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

HAL® S1030 — Airway and Mechanical Ventilation Management Skills Trainer

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

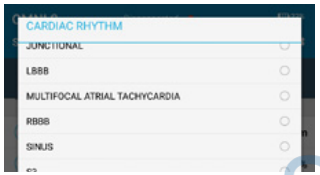
With OMNI® 2

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

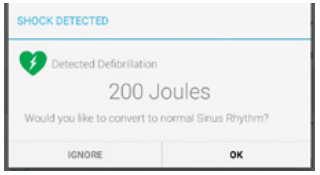
Perform nasal and oral intubation with standard, real adjuncts

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

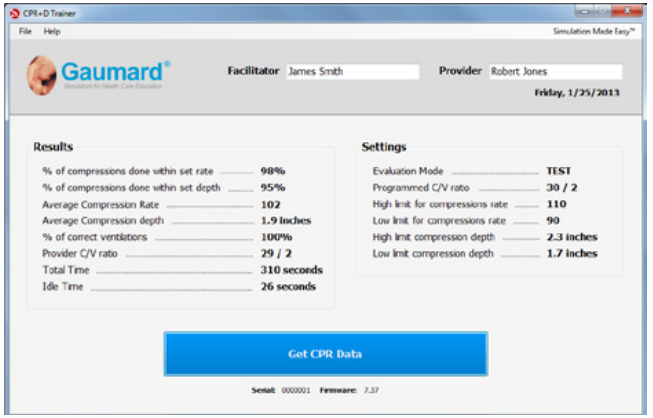
Defibrillate directly on patches or pad-free posts numerous times

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

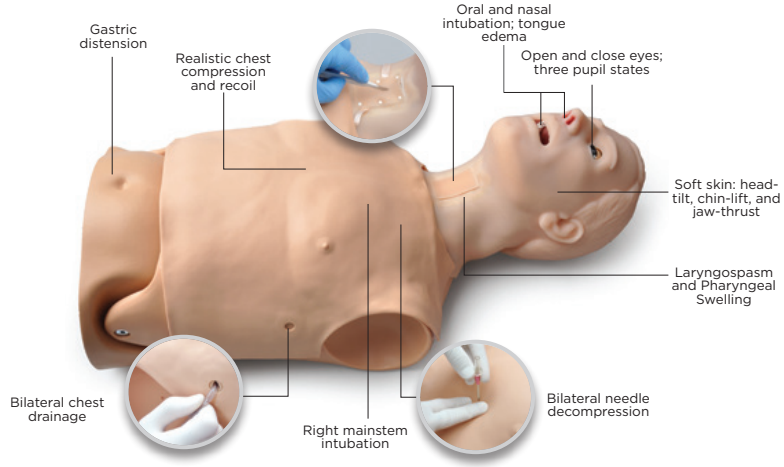
Place cricothyrotomy needle or tracheostomy tube

Realistic chest compression and recoil

Easy neck flexion and extension. Realistic head-tilt, chin-lift, jaw-thrust

Bilateral needle decompression at 2nd intercostal space

HAL® S315.400 — Advanced Multipurpose Airway Trainer



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

Respiratory and Airway — Pediatric Airway Trainers

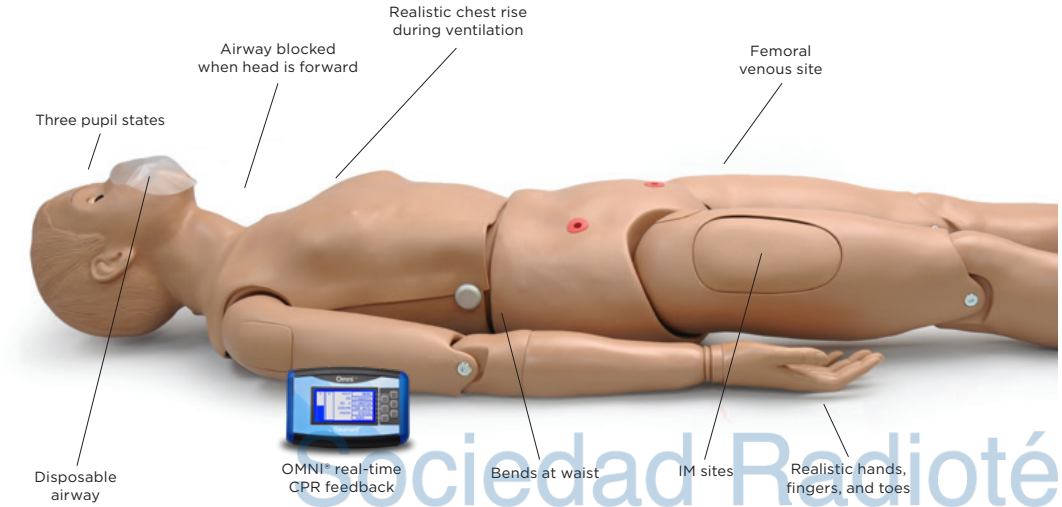
Features	S314.PK Five Year Airway	S312.PK One Year Airway	S320.PK Newborn PEDI® Airway
Realistic chest cavity containing realistic organs	•	•	•
Fully articulating head, neck, and jaw permits head-tilt/chin-lift, jaw-thrust, and neck extension into the sniffing position	•	•	•
Anatomically accurate mouth, 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 ○ Optional Add-On/Accessory

Skin tone options available at no extra charge

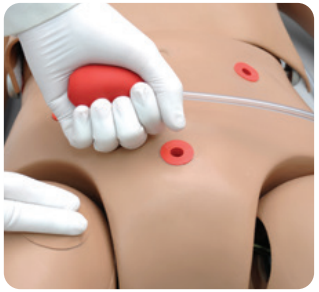
The Simon® adult CPR simulator

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

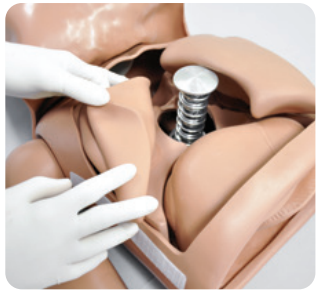
Package of 10

S308.842

Package of 100

Ten disposable airways to practice hygienic mouth-to-mouth ventilation

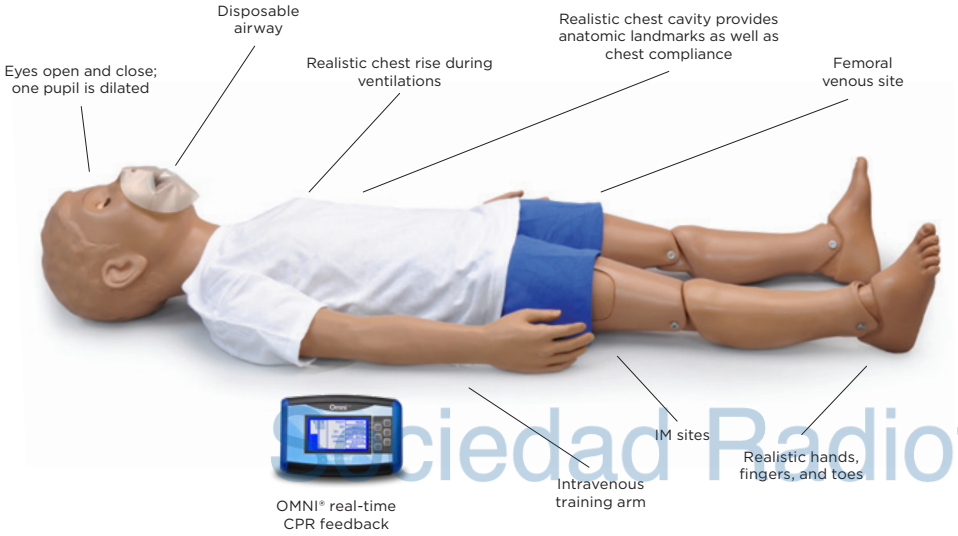
Realistic chest rise during ventilation



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

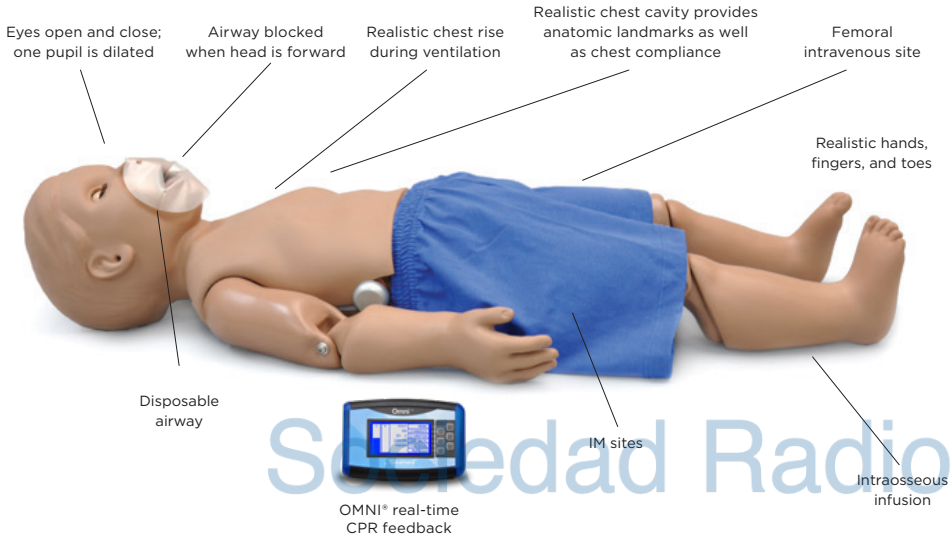

Ten disposable airways to practice hygienic mouth-to-mouth ventilation


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

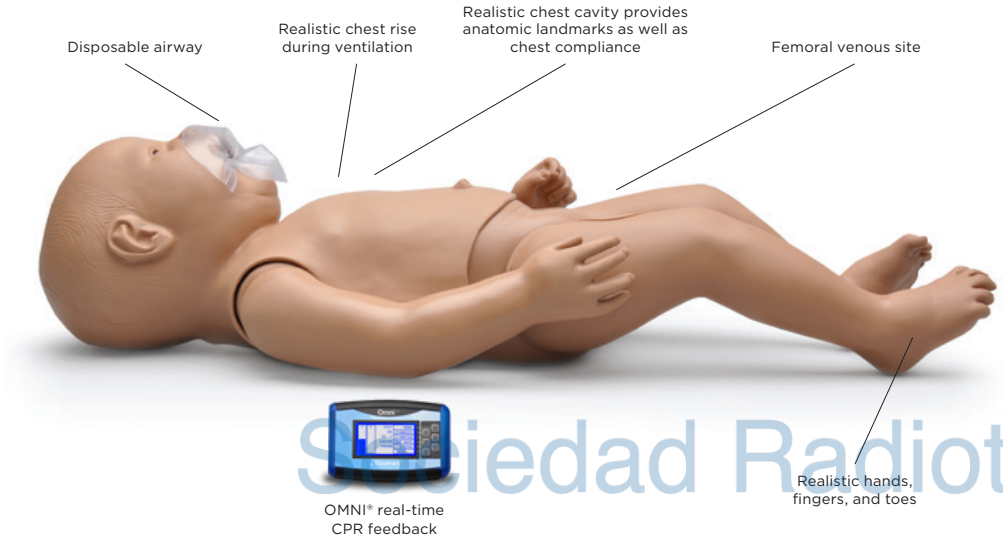
Realistic chest cavity provides anatomic landmarks as well as chest compliance

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

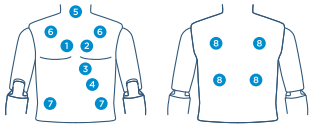
- Full-size adult torso with palpable anatomic landmarks
- Sensor network hidden beneath the skin
- Hear the appropriate heart or lung sounds as the stethoscope's bell is moved to sites on the front and back of the torso
- Includes our Virtual Stethoscope with multiple heart and lung sounds
- An external 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

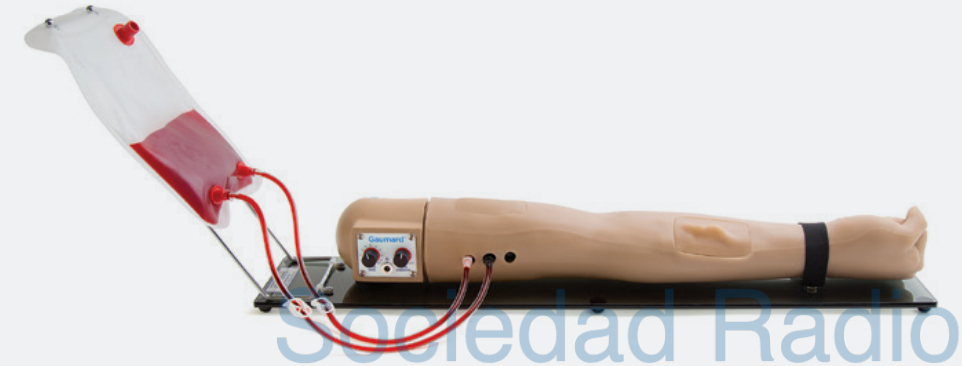
Green
1. Fixed Split S2
2. Physiological Split S2
3. Opening Snap
4. S3
5. Stridor Sounds
6. Wheezing Sounds
7. Pleural Friction
8. Coarse Crackles

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

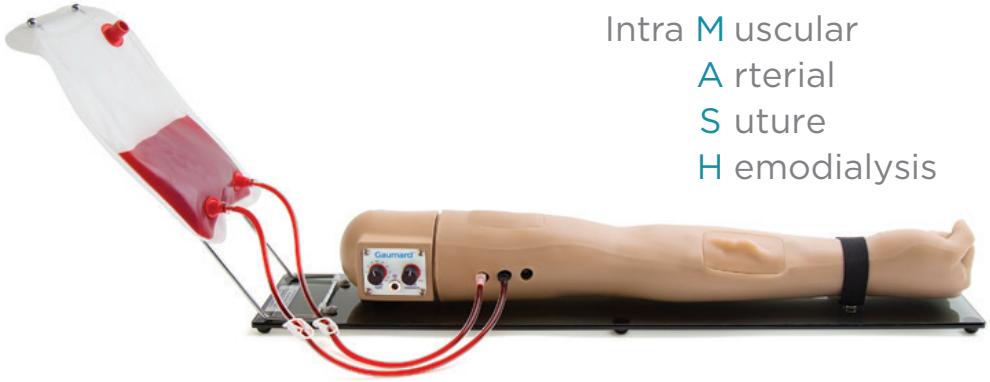
Advanced Patient Training Arm

- 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

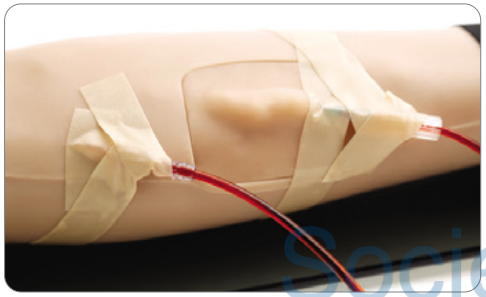
The S.M.A.S.H. Advanced Patient Training Arm by Gaumard offers unparalleled realism in a sleek design. The simulator's shoulder contains a micropump that delivers automatically generated arterial pulses at the radial and brachial sites, allowing for variable heart rate and pulse strength. Participants 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.

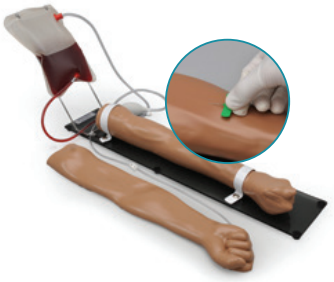
Multipurpose Intravenous Training Add-on

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

S401 Multipurpose Venous Training Arm

S401R.PK

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.

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

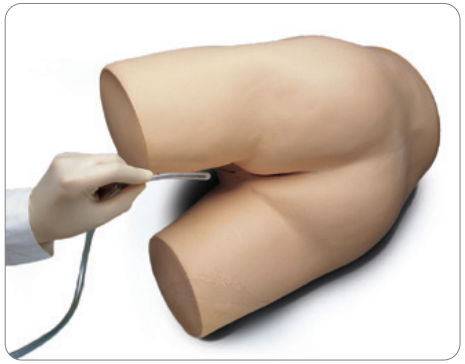
S415.100.PK

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

Nursing Care — Skills Trainers

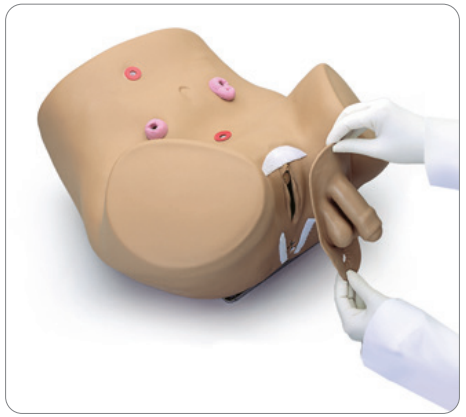
Advanced Patient Care Male and Female Catheterization Skills Trainer

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

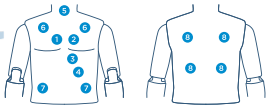
S312.200.PK 1 Year

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.

Injection and Infusion — Adult, Pediatric, and Newborn

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.

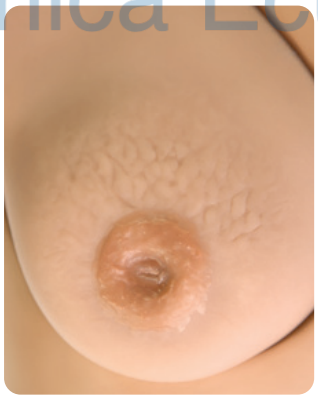
Scan to browse Women's Health Skills Trainers

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

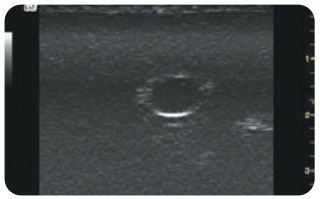
Includes carrying bag

Left breast contains three cysts and six masses in the breast and axilla

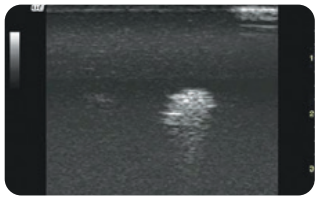
Right breast contains ten cysts of different sizes and depths

Ultrasound equipment not included

Skin tones available at no extra charge



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

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

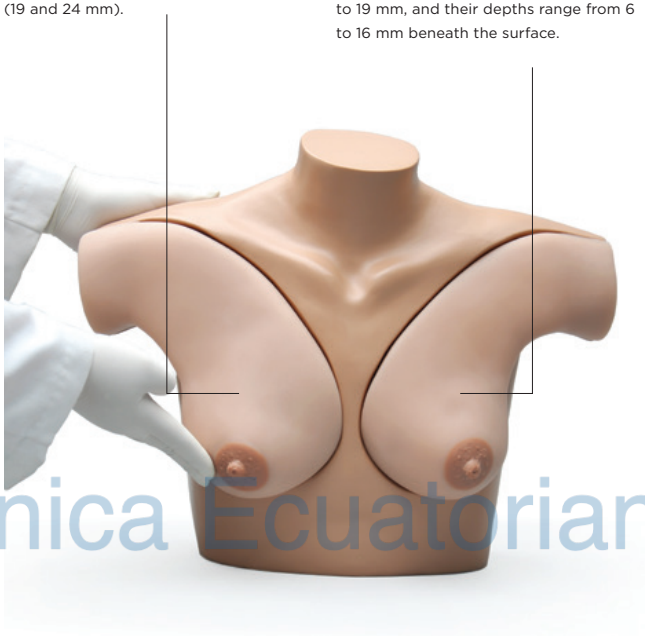
S230.52.853L

Right Replacement Breast

S230.52.853R

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.



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

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

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.

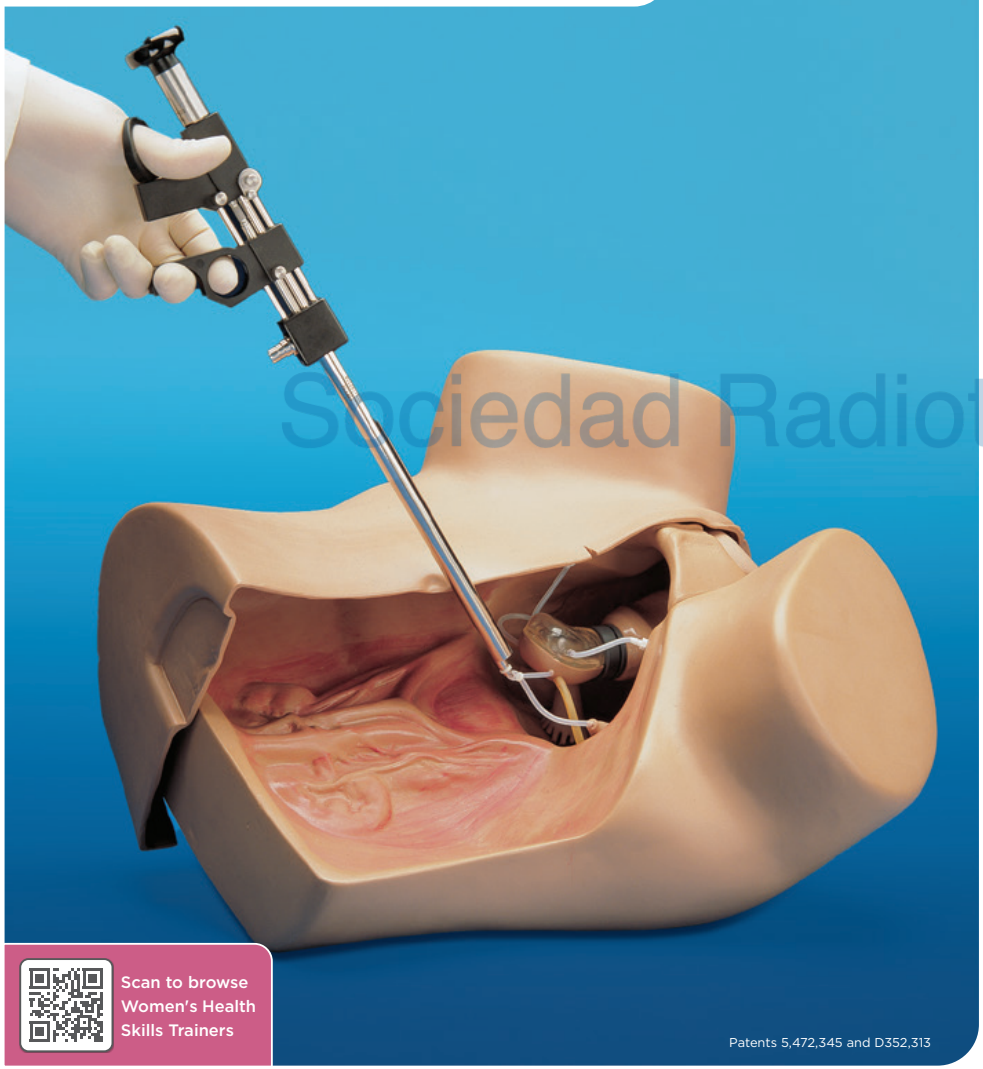
Package Contents

- Vulva with vesicovaginal, rectovaginal, and urethrovaginal fistulas
- Optional carrying case

ZOE® S504.100

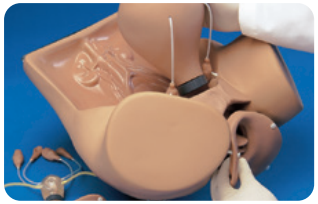
Gynecologic Skills Trainer

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.



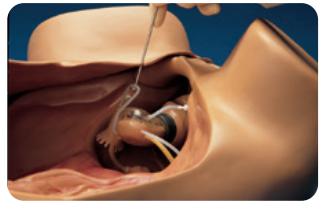
Scan to browse Women's Health Skills Trainers

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

Women's Health — Skills Trainers

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

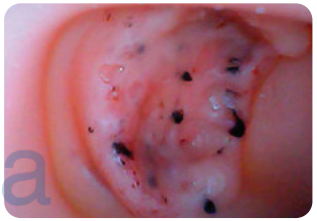
The internal push-button mechanism allows you to rotate through and position four different prostate inserts (enlarged benign mass, two discreet nodules, a large mass, and malignant invasive cancer) during digital rectal examination training.

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.

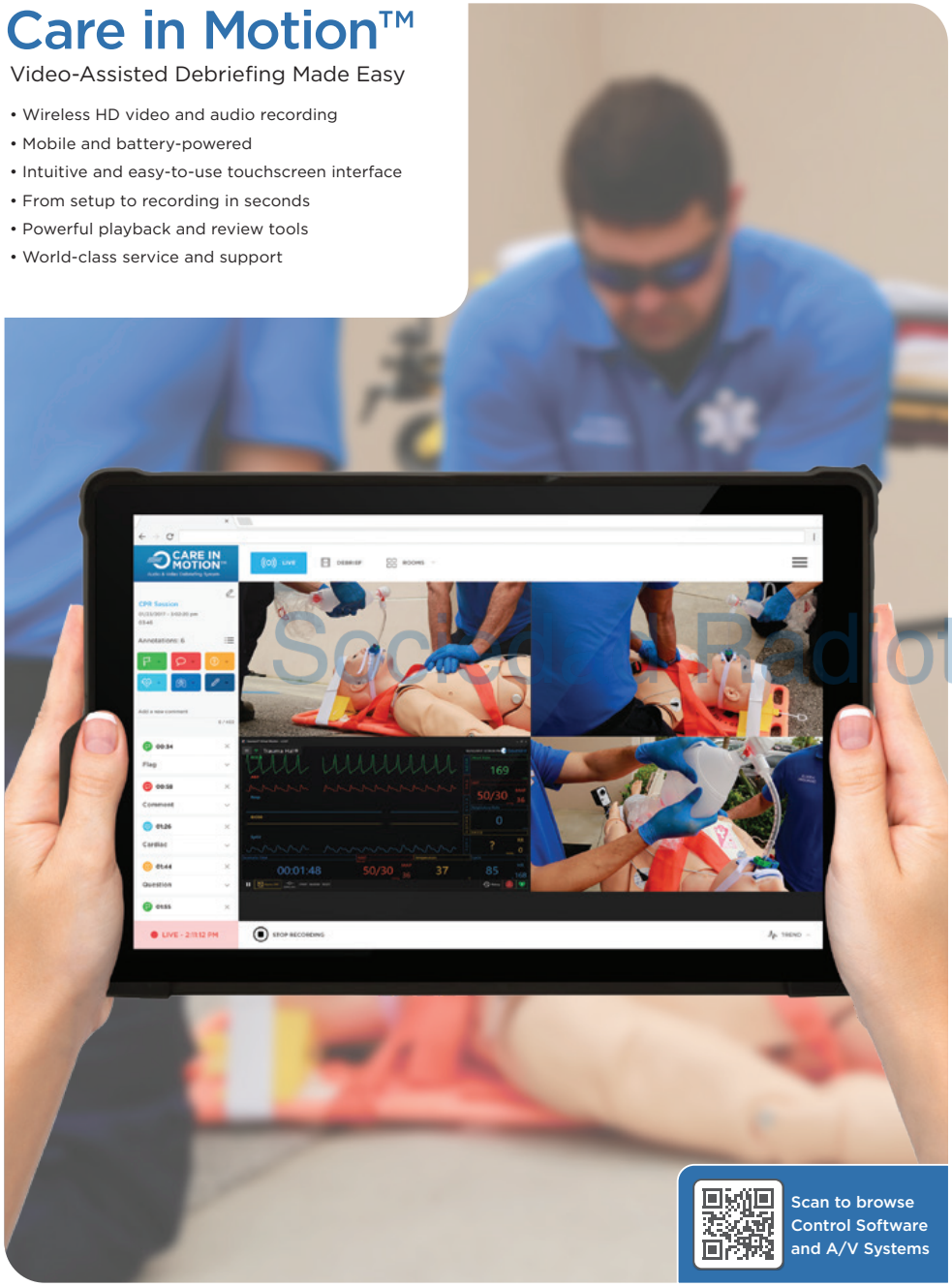
- Two removable scrotal skins
- Two testicles
- Two long vas deferens assemblies that can be replaced as needed for NSV training

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.

Care in Motion™ — Wireless Video-Assisted Debriefing Solutions

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

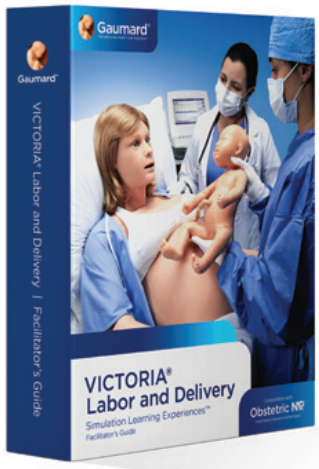
1. Not all third-party cameras are supported. Contact Gaumard for an up-to-date list of compatible camera models. Compatible camera models are subject to change. 2. Gaumard Vitals™ virtual patient monitor required; item is sold separately. 3. Contact Gaumard for an up-to-date list of compatible IP camera 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
- Extended service plans available

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

Simulation Learning Experiences™ Scenario Packages

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

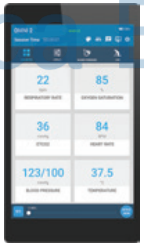
Simulation Made Easy®

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

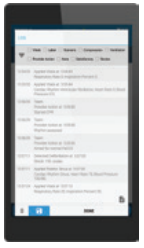


- Touch controls facilitate on-the-fly changes or trend over time
- Over 35 programmable vitals: HR, ECG, RR, BP, SpO_2, $EtCO_2$, and more

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.

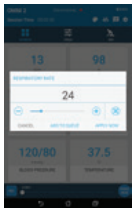
Virtual patient monitor support

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

OMNI® 2 — Simulation Made Easy®

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

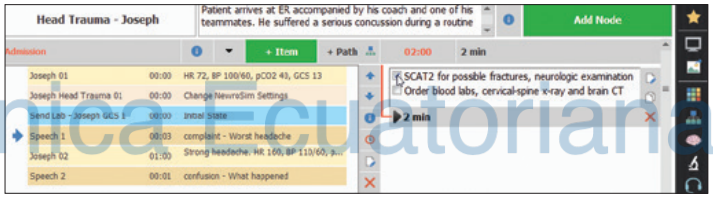
NewroSim includes all the scenario medical references, mock labs, and assets needed for each case, thus eliminating costly development time.

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

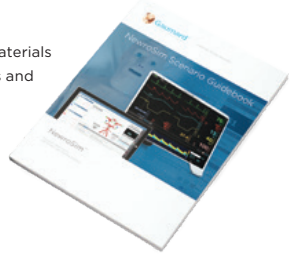


NewroSim scenarios feature timed objectives, vital sign changes, speech responses, and assets such as labs and CT scans. To run a scenario, simply checkmark the key events to progress the case.

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™ — Hemodynamic Model

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

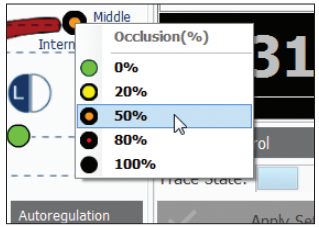
The NewroSim model simulates the hemodynamics of the intracranial cerebral vessels, even calculating interhemispheric compensation.

Programmable

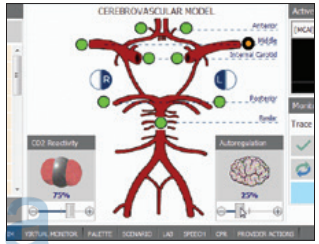
Using the manual controls, you can easily override the cardiovascular parameters and simulate on the fly.

Multimodal

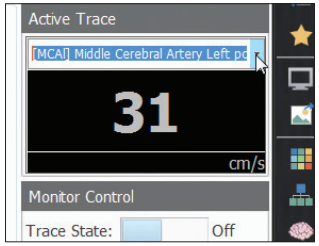
The NewroSim model can be used as a standalone tool to teach learners the relationship between the hemodynamics of the brain and how they appear on a TCD waveform.



- 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

*Gaumard Virtual Patient Monitor sold separately

Scan to browse Control Software and A/V Systems

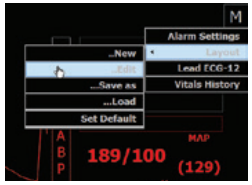
NewroSim™ adds simulated patient vital signs designed to provide participants with the critical physiological information needed to aid decision-making

- Transcranial Doppler (TCD) waveform and numeric values
- Intracranial Pressure (ICP) readings
- Respiratory and cardiac monitoring

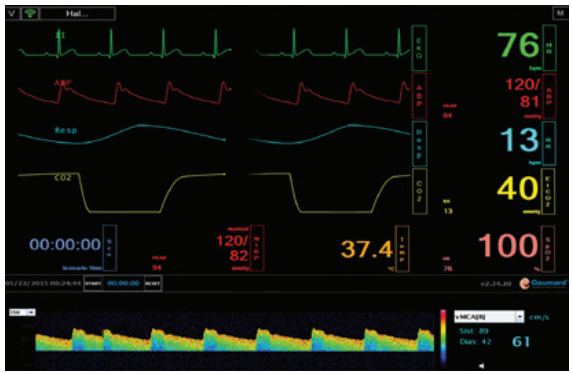
Integrate the NewroSim Monitor to train participants in the following skills:

- 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

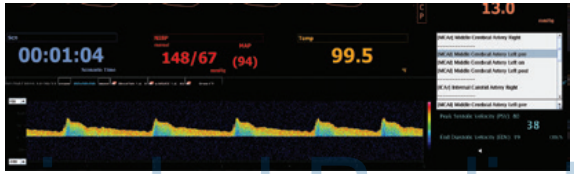
Customize the patient monitor to mimic your native monitor screen.



- 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.

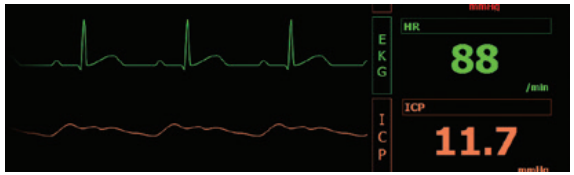


NewroSim Patient Vitals shown on optional Gaumard® Vitals Patient Monitor



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

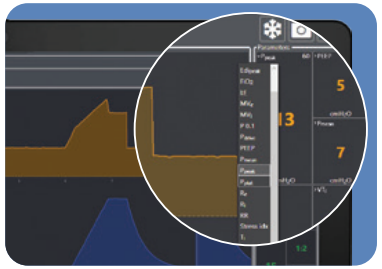
Practice data analysis, interpretation, and documentation. High-fidelity waveform, loop, and scalar data updates in real-time based on the patient's condition, just like a real ventilator.

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

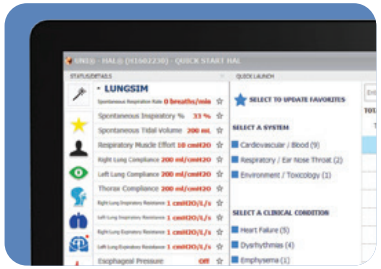
Export comprehensive session data reports for debriefing and assessments. Easily capture screenshots and record video clips to review or for teaching demonstrations.

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.

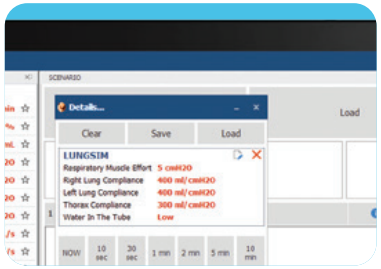


Event logging, real-time feedback, and data exporting

UNI logs LungSim data along with patient vitals and participant actions. Export session reports to support debriefing sessions and archiving.

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.



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.

LungSim™ — Mechanical ventilator simulation made simple

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.

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Simulators for Health Care Education