

Simulation Center



SCHOOL OF MEDICINE
UNIVERSITY OF SOUTH CAROLINA

Current Simulation Equipment (Fall, 2008)

List of Available Simulators / Task Trainers

I. Pediatrics – Comprehensive Patient Simulation Line

- A. SimBaby
- B. Deluxe Infant Crisis Trainer
- C. MegaCode Kid

II. Pediatrics – Skills & Partial Task Trainers

- A. Infant Deluxe Intubation Head
- B. Neonatal Intubation Trainer
- C. Infant IV Leg
- D. Baby Stap
- E. Baby Arti
- F. Baby Ivy

III. Adult - Comprehensive Patient Simulation Line

- A. SimMan
- B. Resusci-Anne
- C. Ultimate Hurt

IV. OB/GYN Comprehensive Patient Simulation Line

- A. Noelle S575
- B. Newborn Hal
- C. Noelle S565
- D. Full Term Neonate

V. OB/GYN - Skills & Partial Task Trainers

- A. Prompt Birthing Trainer
- B. Female Pelvic Trainer

VI. Adult - Skills & Partial Task Trainers

- A. Central Line Man
 - B. Central Venous Access
Ultrasound Trainer
 - C. IV Torso Trainer
 - D. Arterial/Venous Training Arm
 - E. Adult IV Training Arm
 - F. Thoracentesis Ultrasound
Trainer
 - G. Paracentesis Ultrasound Trainer
 - H. Chester Chest
 - I. NG Tube and Trach Care
Trainer
 - J. Female Catheterization
Simulator
 - K. Male Catheterization Simulator
 - L. Lumbar Puncture Simulator
 - M. Airman
 - N. Deluxe Difficult Airway Trainer
 - O. Trauma Man
 - P. Elbow Joint Injection Trainer
 - Q. Hand/Wrist Joint Injection
Trainer
 - R. Shoulder for Joint Injection
Trainer
 - S. Knee for Aspiration
 - T. 12 Lead Arrhythmia Simulator
- VII. Virtual Reality Simulation
- A. SurgicalSim Laparoscopic Basic
 - B. MicroSim In hospital
 - C. ACLS Simulator
 - D. Neonatal Simulator
 - E. PALS Simulator
 - F. Critical Care Simulator
 - G. Hemodynamics Simulator
 - H. Sedation Simulator
 - I. Bioterrorism Simulator
- VIII. Accessory Medical Equipment
- A. Glidescope
 - B. Active Servo Lung 5000
 - C. Braselow Complete Color Code
Cart System
 - D. Adult Code Crash Cart
 - E. Zoll Defibrillator
 - F. Radiant Warmer
 - G. Headwalls
 - F. Advanced Airway Cart

Pediatrics - Comprehensive Patient Simulation Line

SimBaby www.laerdal.com



SimBaby™ offers you the ability to provide pediatric clinical scenarios through a life-like, fully customizable simulator. Educational experiences can span from general assessments to complex patient management.

Product features:

- Anatomically correct pediatric simulator allows the learner to perform relevant pediatric skills and scenarios.
- Realistic infant breathing, circulation patterns and complications bring realism to the infant simulation experience.
- Airway management, cardiac monitoring and vascular access allow for complete patient management.
- Interactive manikin which gives you immediate feedback to interventions.
- Simulation scenarios can be pre-programmed to meet educational goals.

LifeForm Deluxe Infant Crisis Trainer www.simulaid.com



The Deluxe Infant Crisis Trainer manikin is a complete resuscitation system including a full body manikin of an infant. This manikin is designed for teaching individuals or groups life-saving techniques for infants.

Product features:

- IV therapy the IV arm and leg allow for realistic practice of pediatric venipuncture.
- Intraosseous infusion leg demonstrates and simulates the intraosseous infusion procedure.
- The cephalic, basilica, and great saphenous veins are accessible on the IV arm, as well as the dorsal venous arch on the hand.
- ON the IV leg, the greater and lesser saphenous veins are accessible, as well as the dorsal venous arch on the foot.
- Umbilical catheterization allows practice of proper techniques in umbilical catheterization, including cutting and clamping. Fluid may be aspirated through the umbilicus, making this training manikin incredibly lifelike.
- Manikin allows practice of 4-lead ECG monitoring.

MegaCode Kid www.laerdal.com



MegaCode Kid is a realistic manikin for training in a wide range of pediatric advanced life saving skills.

Product features:

- Educationally effective for training in pediatric advanced life saving skills.
- Delivers education efficiently, targeting key skills for pre-hospital care providers.
- Programmable scenarios provide standardized training while customizable scenarios and real time instructor controls allow adaptation to meet individual student needs.
- Realistic pediatric airway for insertion of standard airway devices.
- Intravenous drug administration via IV bolus or drip using the multivenous pediatric IV arm.
- Pre-programmed and instructor-controlled scenarios can aid standardized teaching.

Pediatrics - Skills & Partial Task Trainers

Infant Deluxe Intubation Head www.simulaid.com



The Infant Deluxe Intubation Head incorporates life-like skin with durability in a light weight, portable model. Vocal cords are highlighted for easy viewing, the tongue swells, and all anatomical landmarks are present.

Product features:

- This station trainer incorporates the new skin technology that has been so popular on our STAT Baby.
- The advantages of durability and life-like appearance in association with the convenience of a light-weight stand put this device at the head of the class for pediatric airway training.
- This new material eliminates tearing of the airway, saving the need for costly repairs caused by beginning student intubation attempts.
- Its translucent property allows for life-like illumination of the airway and neck as the skill is attempted.
- Vocal chords are highlighted for easy viewing, the tongue swells, and all the anatomical landmarks are present.

Neonatal Intubation Trainer www.laerdal.com



The Neonatal Intubation Trainer allows teaching of intubation skills on the newborn baby.

Product features:

- Intubation (oral and nasal)
- Bag-Valve-Mask ventilation
- Correct tube placement can be checked by practical inflation test

Infant IV Leg www.laerdal.com



The Infant IV Leg is designed for training extremity venipuncture procedures and intravenous fluid administration in the superficial veins of the foot.

Product features:

- Venous access in the medial and malleolus sites
- Ven Venipuncture possible in medial and lateral malleolus sites
- Heel stick simulation
- Fluid may be infused for realistic flashback

Baby Stap www.laerdal.com



Baby Stap is a reproduction of a neonatal infant positioned for the practice of lumbar puncture techniques.

Product features:

- Lateral decubitus position
- Upright position
- Realistic interchangeable spine with spinal cord may be palpated for location of correct puncture site
- Fluid may be infused

Baby Arti www.laerdal.com



Lifelike reproduction of an infant arm with bony structures allows students to master the technique of neonatal radial artery puncture.

Product features:

- Percutaneous puncture site in radial artery.
- Mechanical radial artery pulse generator provides realistic arterial pressure .
- Simulated blood may be infused for blood backflow in syringe.

Baby Ivy www.laerdal.com



Simulated infant head with internally molded scalp veins designed for practicing neonatal peripheral venous access.

Product features:

- Life-size neonate head with internally molded scalp veins.
- Peripheral IV line insertion and removal for fluid and medication administration after patient stabilization.
- Infusible veins allow realistic flash to confirm proper placement.
- Maintenance and securing of line.

Adult - Comprehensive Patient Simulation Line

SimMan www.laerdal.com



SimMan™ offers you the ability to provide simulation education to challenge and test your learners' critical thinking and clinical decision making skills during realistic scenarios with adult patients.

Product features:

- Anatomically correct adult simulator allows the learner to perform relevant skills and procedures.
- Realistic breathing, circulation, and bowel sounds are audible for increased fidelity.
- Airway management, cardiac monitoring and vascular access allow for complete patient encounters.
- Interactive manikin which gives you immediate feedback to interventions.
- Simulation scenarios can be pre-programmed to meet educational goals.

Resusci-Anne www.laerdal.com



This full-bodied simulator is the training companion for portable, field ready simulation exercises to teach and train vital emergency care techniques.

Product Features:

- Effective for learning core clinical, communication and teamwork skills through simulation.
- Targets the key skills specifically required for emergency situations.
- Anatomically correct simulator allows learner to practice basic airway management, baseline vital signs assessment and CPR.
- Logistically practical through true portability.
- Pre-programmed learning scenarios for rapid simulation training.

Ultimate Hurt www.laerdal.com



Ultimate Hurt is a trauma and extrication manikin with three interchangeable heads. He comes with a wide range of trauma wound modules to enhance scenarios.

Product features:

- Mr. Hurt Head facilitates facial and cranial trauma assessment including an open depressed skull fracture, deviated trach, bilateral mandible fractures, and fracture of the C6 vertebrae.
- Standard intubation head allows for airway management by manual maneuvers and various airway devices.
- Trauma intubation head has an impaled object in the cheek, avulsed ear, unequal pupils, broken teeth, and multiple lacerations.
- Interchangeable bullet wound chest module for assessment and care.
- Full-body manikin can be used for extrication and triage exercises.
- Realistic articulation for application of cervical collars, splints and traction, or application to spineboard.
- Complete trauma module set to add realism to training scenarios.

OB/GYN Comprehensive Patient Simulation Line

Noelle S575 www.gaumard.com



Noelle™ offers the ability to provide simulation education during encounters with obstetric patients. She can emulate multiple labor and delivery complications to provide realistic education. A fully customizable software interface aids in creating lifelike scenarios for learners.

Product features:

- Normal vaginal, instrumented delivery, and c-section deliveries.
- Shoulder dystocia.
- Intrapartum modeling or trending.
- Breech delivery.
- Episiotomy repair.
- Postpartum hemorrhage and fundal massage.
- Fully portable, tetherless birthing simulator.

Newborn Hal www.gaumard.com



Newborn HAL® allows learners' to challenge and test critical thinking and clinical decision making skills involving neonatal patients. This simulator provides neonatal resuscitation training through a wide array of interventions. Software programming allows for a customized learning experience.

Product features:

- Multiple airway, breathing, and circulation interventions.
- Pre-programmed scenarios or capability of making changes on-the-fly.
- Increased realism and learning through physiological trending.
- Portability allows for realistic training.
- Lifelike motion and sounds.

Noelle S565 www.gaumard.com



??

Product features:

- Normal Vaginal and Instrumented Delivery
- Shoulder dystocia
- Intrapartum Modelling or Trending
- Breech Delivery
- C-Section
- Episiotomy Repair
- Postpartum Hemorrhage and Fundal Massage

Full Term Neonate www.gaumard.com



The Full Term Neonate allows learners' to challenge and test critical thinking and clinical decision making skills involving neonatal patients.

Product features:

- Multiple airway, breathing, and circulation interventions.
- Increased realism and learning through physiological trending.
- Portability allows for realistic training.
- Lifelike motion and sounds.

OB / GYN - Skills & Partial Task Trainers

Prompt Birthing Trainer www.golimbs.com

3555 Harden Street Extension, 15 Medical Park, Lower Level, Columbia, SC 29203
Phone: 803-434-6991, Fax: 803-434-1167, E-Mail: simulationquestions@palmettohealth.org



The PROMPT Birthing Simulator - Force Monitoring includes the force monitoring baby which is fitted with an electronic strain gauge allowing for the measurement of force applied to the baby as it is delivered.

Product features:

- Normal delivery
- Breech delivery
- Delivery on all fours
- Shoulder dystocia management
- Forceps delivery: traction and rotational deliveries
- Vacuum delivery

Baby

- Fully articulated body
- Force monitoring system including computer software package for simultaneous force display, measurement and recording of data
- Weight 2.3 kg
- Palpable fontanelles and suture lines
- Palpable clavicles and scapulae
- Detachable placenta with cord

Mother

- Movable legs
- Multiple positions
 - Semi-recumbent
 - Lithotomy position
 - McRoberts' position
 - all fours position
- Realistic pelvis modeled from CT scan data
- Detachable abdominal and perineal skin to enable visualization of internal maneuvers and fetal positioning during training
- Durable, stretchy silicone skin and perineal musculature
- Detachable base with securing straps to allow fixing to table or delivery bed
- Patient actor can be integrated with birthing mother for training sessions

Female Pelvic Trainer www.golimbs.com



The Clinical Female Pelvic Trainer presents accurate anatomical and tactile representation of the female pelvis for 'hands on' examination and diagnosis of pathologies and abnormalities.

Product features:

- Recognition of anatomy and appropriate landmarks
- Digital vaginal examination procedure
- Bi-manual examination
- Cervical smear procedure (including use of speculum)
- Dry catheterisation (Foley catheter sizes 10, 12 & 14)
- Digital rectal examination procedure
- Family planning aid

Adult - Skills & Partial Task Trainers

Central Line Man www.simulab.com

3555 Harden Street Extension, 15 Medical Park, Lower Level, Columbia, SC 29203
Phone: 803-434-6991, Fax: 803-434-1167, E-Mail: simulationquestions@palmettohealth.org

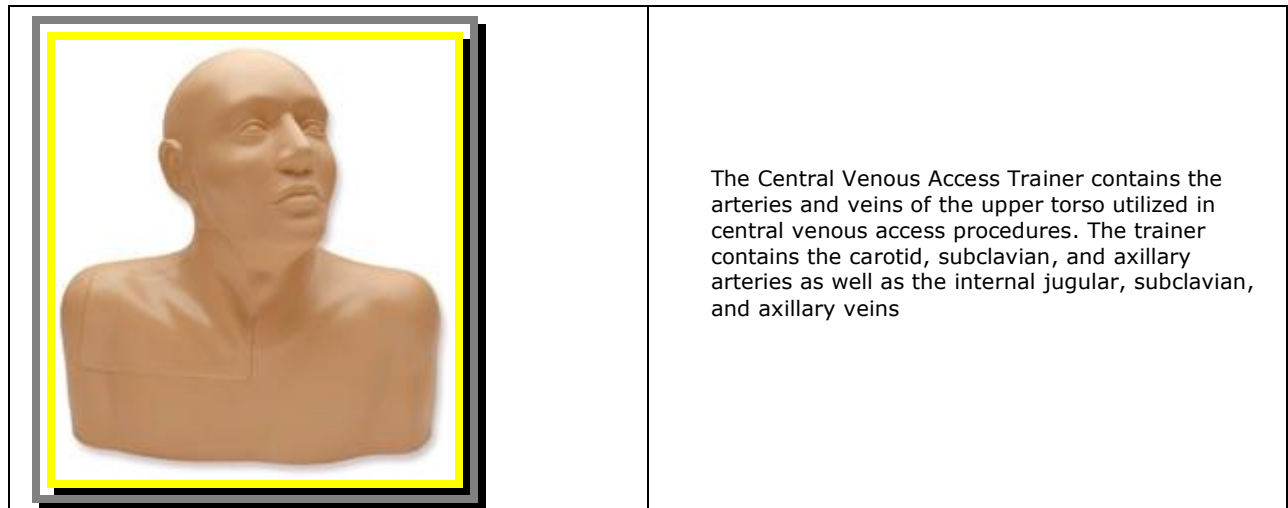


CentraLineMan™ offers learners the opportunity to practice a wide range of subclavian, supraclavicular and internal jugular approaches. The user of this simulator will encounter anatomically correct landmarks, experience natural resistance, and natural flashback of blood.

Product features:

- Realistic tissue.
- Self-sealing veins and skin.
- Arterial pulse.
- Adjustable venous pressure.

Central Venous Access Ultrasound Trainer www.bluephantom.com



The Central Venous Access Trainer contains the arteries and veins of the upper torso utilized in central venous access procedures. The trainer contains the carotid, subclavian, and axillary arteries as well as the internal jugular, subclavian, and axillary veins

Product features:

- Venous anatomy includes: the right internal jugular vein, subclavian vein, & axillary vein.
- Arterial anatomy includes the right carotid artery, subclavian artery, and axillary artery.
- Superb ultrasound imaging characteristics.

IV Torso Trainer www.laerdal.com

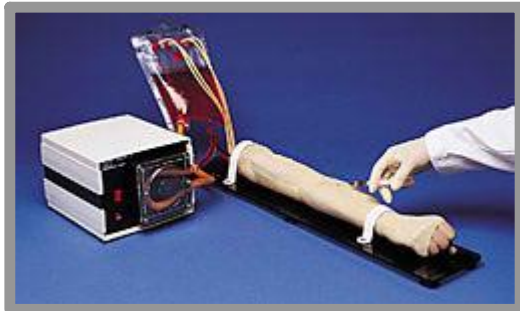


The Laerdal IV Torso allows practicing of intravenous access techniques for both advanced cardiac life support and trauma.

Product features:

- The Laerdal IV Torso enables the practice of IV access to the:
 - External jugular vein
 - Internal jugular vein via the anterior, central and posterior approach
 - Subclavian vein
 - Femoral vein
- A pulse bulb enables the instructor to create a palpable pulse in the manikin's arteries
- Long catheters can be placed into the training model
- Realistic tissue simulation

Arterial/Venous Training Arm www.simulaid.com



The Arterial/Venous Training Arm provides both venous and arterial vascular access. An arterial pulse is generated at the radial and brachial locations through a peristaltic pump, providing realistic arterial stick and AV anastomosis / hemodialysis exercises.

Product features:

- Arterial stick exercises.
- AV anastomosis/hemodialysis.
- Standard intravenous, infusion, and blood collection techniques.
- Intramuscular injection site in the deltoid area.
- Two subcutaneous injection sites.
- Simulation of arterial collection for monitoring blood gases.
- Administration of medication by intravenous bolus.
- Simulated radial and brachial arteries.
- Simulation of collapsed veins.
- Mini skin/tissue suture kit.
- Pulsatile arterial blood flow.

Adult IV Training Arm www.laerdal.com



Lifelike adult arm reproduction with replaceable skin and veins designed for peripheral intravenous therapy.

Product features:

- Venipuncture possible in the antecubital fossa or dorsum of the hand
- Peripheral IV line insertion and removal
- Palpable veins enable site selection and preparation
- Infusible veins allow peripheral therapy with IV bolus or push injection method
- Peripheral IV line maintenance including assessment and rotation of site an dressing, solution and tubing change

Thoracentesis Ultrasound Trainer www.bluephantom.com



Excellent training platform for teaching and learning ultrasound guided thoracentesis as well as placing large and small bore chest tubes without ultrasound guidance.

Product features:

- Use ultrasound to tap pleural fluid collections surrounding atelectatic lung.
- Model can be oriented in a variety of patient positions allowing clinicians to develop a full complement of techniques.
- Thoracic ultrasound imaging reveals atelectatic lung with surrounding pleural effusion.

Paracentesis Ultrasound Trainer www.bluephantom.com



Excellent for ultrasound guided paracentesis training. Blue Phantom's paracentesis training platform allows users to develop and practice the skills associated with ultrasound guided paracentesis. The superb realism helps users to identify appropriate anatomy and to guide needle and catheter placements. Our uncompromising quality allows users to utilize the model repeatedly without the high costs of replacing disposable parts. Use thousands of times. This training platform has an optional femoral nerve and vessel ultrasound tissue module for ultrasound guided regional anesthesia and vascular access training.

Product features:

- Ultrasound tissue module contains simulated bowel and colon, peritoneum, peritoneal fluid, and right inferior lobe of liver for extremely realistic training
- Target small, medium, or large fluid collections for a full range of skill development
- Allows for guided needle and catheter placement
- Excellent for ultrasound guided arterial catheterization and central venous access (with femoral nerve and vessel option)

Chester Chest www.laerdal.com

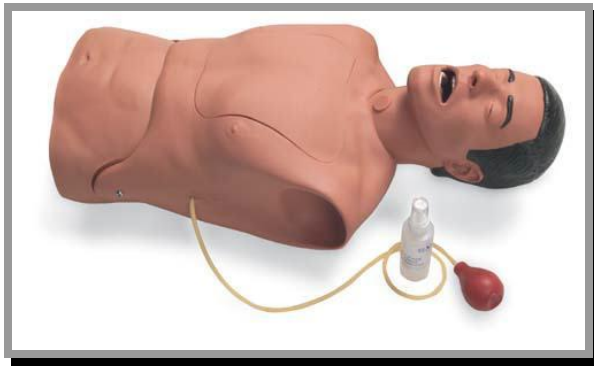


This lifelike model of the human torso is equipped with a detachable right arm designed for the insertion, care, and removal of common long-term vascular access devices.

Product features:

- Real, implanted IAVD.
- Prepositioned surgically implanted CVC and PICC line.
- External jugular and subclavian catheters can be added.
- Difficult access inserts.
- Blood withdrawal, heparinization, and fluid infusion.

NG Tube and Trach Care Trainer www.laerdal.com



Torso task trainer designed for instruction in the care of patients with respiratory conditions and the practice of gastrointestinal care procedures via nasal and oral access.

Product features:

- Head features anatomical landmarks, trachea, esophagus, simulated lungs, and stomach
- Lungs and stomach may be filled with fluid for realistic practice of many procedures:
 - Tracheostomy care
 - Tracheal suctioning
 - NG tube insertion and removal
 - NG tube irrigation, instillation, and monitoring
 - Feeding tube insertion and removal
 - Gastric lavage and gavage
 - Nasoenteric and esophageal tube insertion, care, and removal
 - Oropharyngeal and nasopharyngeal insertion and suctioning
 - Insertion, securing and care of endotracheal tubes

Female Catheterization Simulator www.simulaid.com



The Female Catheterization Simulator is constructed with a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter. The normal feeling of resistance and pressure will be experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder. When the catheter enters the bladder, artificial urine (water) will flow from the catheter as it would with a real patient.

Product features:

- The labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus.
- A Foley catheter can be used if extreme care is taken to inflate the cuff only when it is in the proper position.

Male Catheterization Simulator www.simulaid.com



Male Catheterization Simulator, catheterization can be practiced just as on a real patient. A lubricated catheter can be inserted in the urethral orifice, passed through the urethra, and into the bladder. When the bladder is successfully entered, artificial urine (water) will flow from the catheter

Product features:

- The simulator teaches proper positioning and movement of the penis to allow the catheter to pass easily with a minimum of discomfort to the patient.

Lumbar Puncture Simulator www.kyotokagaku.com



This Lumbar Puncture Simulator has been designed to enhance formal LP procedural skills training and assessment.

Product features:

- Closely simulates the lumbar anatomy including the anatomical landmarks.
- Provides life-like sensation of both skin and tissue resistance to the spinal needle.
- Allows collection of CSF fluid and measure CSF fluid pressure under clinically realistic conditions.

Airman www.laerdal.com



AirMan offers the capability of presenting a multitude of difficult airway situations. AirMan helps meet the training needs of difficult airway management for hospital and prehospital care providers.

Product features:

- Realistic life-size intubation head with flexible tongue, arytenoid cartilage, vallecula, vocal cords, trachea, bronchial tree, esophagus and simulated lungs for spontaneous breathing and realistic chest rise and fall
- Interactive manikin with remote controls
- Bronchial tree – anatomically accurate in size, color, texture and accurately features the anatomical landmarks necessary to facilitate realistic chest rise and fall
- Tracheal access through the neck
- Multiple ALS airway skills
- Bilateral carotid pulse

Deluxe Difficult Airway Trainer www.laerdal.com



Management of the obstructed airway

Product features:

- Manually inflatable tongue to simulate obstructed airway or tongue edema
- Anatomically correct internal anatomy facilitates airway management skills using manual maneuvers and mechanical devices
 - Oropharyngeal and nasopharyngeal airway insertion
 - Endotracheal and right mainstem intubation
 - Needle or surgical cricothyrotomy
 - Retrograde intubation
 - Percutaneous transtracheal jet ventilation
 - Bag-Valve-Mask ventilation
 - Tracheal suctioning

Trauma Man www.laerdal.com



The TraumaMan® System is an anatomical human body form designed for students to practice several of the surgical procedures taught in the surgical skills training. This model is approved for use in ATLS.

Product features:

- The TraumaMan System includes at least four areas for practicing surgical skills: abdomen, chest, neck, ankle base.
- Procedural skills that can be simulated include:
 - Pericardiocentesis
 - Cricothyrotomy
 - Diagnostic peritoneal lavage
 - Tube thoracostomy

Elbow Joint Injection www.golimbs.com



The Elbow Joint Infection Trainer is used for practicing soft tissue joint injection for the treatment of injuries and arthritis.

Product features:

- Patient posture and management
- Palpation techniques
- Identifying anatomical landmarks and painful areas
- Injections for:
 - Tennis Elbow (lateral epicondylitis)
 - Golfer's Elbow (medial epicondylitis)
- Training in fan or cone infiltration techniques

Hand/Wrist Joint Injection www.golimbs.com



The Hand/Wrist Joint Injection Trainer is an articulated model of the hand and wrist used for practicing soft tissue joint injection for the treatment of injuries and arthritis.

Product features:

- Patient posture and management
- Identifying anatomical landmarks
- Relevance of digital movement for presentation of injection sites
- Injection in 4 specific areas:
 - carpal tunnel
 - trigger finger - tendon sheath injection
 - de Quervain's sheath
 - first metacarpal joint
- Precise placement of needle to avoid median nerve

Shoulder for Joint Injection www.golimbs.com



The Shoulder for Joint Injection Trainer is used for practicing soft tissue joint injection for the treatment of injuries and arthritis.

Product features:

- Patient posture and management
- Palpation techniques
- Injection on 5 specific sites:
 - subacromial space
 - acromioclavicular joint
 - bicipital groove
 - glenoid fossa from the anterior aspect
 - glenoid fossa from the posterior aspect

Knee for Aspiration www.golimbs.com



The Knee for Aspiration Trainer is used for teaching and practicing the technique of synovial fluid aspiration.

Product features:

- Patient posture and management
- Palpation techniques
- Identifying anatomical landmarks
- Aspirating synovial fluid from the knee joint from both lateral and medial aspects
- Precise anatomy with bony landmarks
- Realistic patella
- Discrete muscle and skin layers provide realistic tissue and needle response
- Synovial sac with fluid feed incorporates a one-way valve for recharging with aspirant

12 Lead Arrhythmia Simulator www.simulaid.com



The 12 Lead Arrhythmia Simulator simulates electrical capture with your external pacer. Waveforms for pacing include: Sinus Brady (two), 1st degree A-V block, 2nd degree type I A-V block, 2nd degree type II A-V block, 2nd degree type II A-V block with PVCs, and 3rd degree A-V block.

Product features:

- Simulate cardio version with your manual, semi-automatic, or automatic defibrillator. Activate “convert” feature to select - before defib discharge - another rhythm to run immediately after defib discharge. Waveforms for defibrillator training include: V. Fib, V.Tach (high rate), V.Tach (low rate), Torsade, A. Fib, A. Flutter, PSVT, Sinus Tach, Sinus rhythm, Sinus rhythm with PVCs, Asystole, and NSR.
- Generate realistic 12-lead ECG rhythms. Connect your ECG cable to simulator’s 10 ECG snaps. Independent chest lead and limb lead ECG signals create realistic 12 lead ECGs for each rhythm. Generate ST segment and T wave abnormalities, including: Anterior MI, Inferior MI, Antero-Septal ST elevation, Anterior ST depression, Lateral ST elevation, and Inferior ST elevation. LEDs indicators: pacer pulse detection, defib discharge detection, and low battery.

Virtual Reality Simulation

SurgicalSim Laparoscopic Basic www.meti.com



SurgicalSIM® VR provides a expandable surgical platform available with advanced life-like surgical anatomy and suturing and knot-tying exercises. Its ability to record the learner's performance during each session offers immediate review and feedback for developing surgical skills.

Product features:

- Train basic skills in an abstract environment
- Train surgical tasks in surgical anatomy
- Based on patient gender, size and age
- Learn respect for tissue
- Port placement for reach

MicroSim Inhospital www.laerdal.com



MicroSim is an innovative self-directed learning system. With MicroSim, your learners will face patient scenarios with specific learning objectives designed to train their medical knowledge, problem solving and decision making skills.

Product features:

- All the Inhospital patient cases are set in a hospital environment. The learner can use most of the tools and drugs that are available in a hospital.
- You can customize MicroSim to fit exactly into your curriculum and benefit from using the state-of-the-art educational technology. Your learners will have a straight forward and attractive tool in which they meet your learning objectives with minimum time and effort.

ACLS Simulator www.anesoft.com



The ACLS Simulator incorporates three modules - Rhythm for ECG rhythm recognition, ACLS Simulator for real-time megacode simulation and Writer to help you write your own case scenarios. This package is based on the most recent American Heart Association algorithms, medications and dosages.

Product features:

- 16 Simulated Cases
- Pulseless Algorithm
 - Ventricular fibrillation
 - Ventricular tachycardia
 - Asystole
 - Pulseless electrical activity
- Bradycardia Algorithm
 - Sinus
 - Junctional
 - Idioventricular
 - AV blocks
- Tachycardia Algorithm
 - Ventricular tachycardias
 - Supraventricular tachycardia
 - Atrial fibrillation / atrial flutter

Neonatal Simulator www.anesoft.com



The Neonatal Simulator incorporates two modules - Neonatal Simulator 2 for real-time neonatal resuscitation simulation and Writer to help you write your own case scenarios. This easy to use package contains the most recent American Heart Association Neonatal Resuscitation algorithms, medications and dosages.

Product features:

- 12 Simulated Cases
- Normal delivery
- Fetal heart rate decelerations
- Severe fetal bradycardia
- Meconium-stained
- Meconium aspiration

PALS Simulator www.anesoft.com



The PALS Simulator incorporates three modules - Rhythm for ECG rhythm recognition, PALS Simulator for real-time megacode simulation, and Writer to help you write your own case scenarios. This easy to use package contains the most recent American Heart Association algorithms, medications and dosages.

Product features:

- 12 Simulated Cases
- Pulseless Algorithm
 - Ventricular fibrillation
 - Ventricular tachycardia
 - Asystole
 - Pulseless electrical activity
- Bradycardia Algorithm
 - Sinus
 - Junctional
 - Idioventricular
 - AV blocks
- Tachycardia Algorithm
 - Ventricular tachycardias
 - Supraventricular tachycardia
 - SVT with asthma
 - WPW

Critical Care Simulator www.anesoft.com



The Critical Care Simulator is an exciting real-time graphical simulator that reproduces patient care in an Intensive Care Unit or Emergency Room. Five different critically ill patients are presented and you must manage the airway, ventilation, fluids and medications to improve the simulated patient's condition. Optimize the patient's hemodynamic state with vasoactive infusions as guided by invasive monitoring.

Product features:

- Anaphylaxis
- Chest pain
- Diabetic ketoacidosis
- Head injury
- Trauma

Hemodynamics Simulator www.anesoft.com

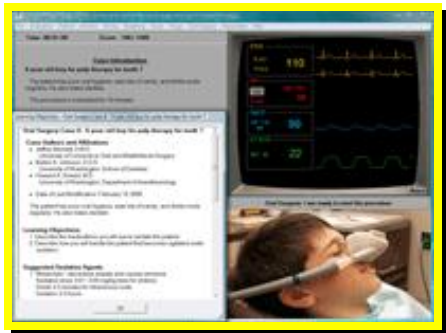


The Hemodynamics Simulator is a computer program that will help you review cardiovascular physiology, invasive monitoring and vasoactive infusions. Follow the 20 self-directed lessons to explore use of the pulmonary artery catheter and interpretation of the pressure waveforms in a variety of clinical scenarios.

Product features:

- Preload
- Afterload
- Contractility
- LV Diastolic Compliance
- Pressure-Volume Loop
- Frank-Starling Curve
- Myocardial ischemia
- Congestive heart failure
- Valvular heart disease
- Hypovolemic shock
- Anaphylaxis
- Pulmonary embolism

Sedation Simulator www.anesoft.com



The Sedation Simulator is the perfect program for radiologists, oral surgeons, endoscopists, surgeons and nurses to review the management of safe sedation. Administer a variety of sedative agents, monitor the simulated patient and manage a number of emergency scenarios. Thirty two different patients are presented and you must manage the airway, ventilation, fluids and medications. Many emergency situations will occur requiring rapid diagnosis and proper treatment to avoid disaster.

Product features:

- Agitation
- Anaphylaxis
- Aspiration
- Apnea
- Bradycardia
- Hypertension
- Hypotension
- Myocardial ischemia
- Tachycardia

Accessory Medical Equipment

Glidescope www.verathon.com



GlideScope Video Laryngoscope(GVL)

Product features:

- Provides a clear, real time view of the patient's airway for fast intubations in Military and Emergency settings
- GlideScope Video Laryngoscopes (GVL) provide a C/L Grade I or II view 99% of the time, even in difficult airways.

Active Servo Lung 5000 www.ingarmed.com



Adult /Neonatal Breathing Simulator

Product features:

- Breathe by breath control of your "patient".
- Nonlinear compliance and resistance effects.
- Remote control capabilities.
- Real-time data analysis.
- Programmable "in vitro" patient for respiratory device R&D.
- Precision flow waveform generator for CPAP or aerosol delivery device testing.
- Open environment test system for ultimate control of QA/QC.

Braselow Complete Color Code Cart System

www.armstrongmedical.com



Use in Conjunction with your Broselow/Hinkle Pediatric Emergency System (AE-4700).

Product features:

- Includes PBL-PC-9 Basic Cart, AE-4712 Broselow/Hinkle Procedural Modules, AE-4703 Broselow/Hinkle Equipment Pack, and one Broselow Pediatric Measuring Tape. TENTE Casters

Adult Code Crash Cart www.armstrongmedical.com



A-SMART Premier Key Locking 2-Tone Aluminum Carts come with your choice of colors for the drawer fronts, set in a neutral beige frame.

Product features:

- Overall dimensions: 45 1/2"H x 25"D x 32 3/4"W (includes bumper/handles/casters)
- Drawer size: 17 1/16"D x 22 1/4"W
- Drawer heights: 3"H (3), 6"H (2), 9"H

Zoll Defibrillator www.zoll.com



The Zoll M Series has everything you need for cardiac resuscitation: fast, easy to use defibrillation using synchronized cardioversion, external pacing, ECG with advanced monitoring, built-in AC or DC power, and an integrated information management system.

Product features:

- The M-series can be configured in a variety of ways: Monophasic waveform, Biphasic waveform, AED mode, 3-Lead ECG, 12-Lead Interpretive ECG, Non-invasive Pacing, SPO2 saturation (pulse oximetry), NiBP, EtCO2, Multifunction Cables or Integrated Hard Paddles.

Radiant Warmer www.draeger.com



The Resuscitaire® radiant warmer is designed for use in the nursery, and in labor and delivery.

Product features:

- 3-mode Controller – The microprocessor-controlled unit allows for three settings, pre-warm (with no alarms), manual or a servo controlled baby mode—allowing caregivers to vary the setting depending on the circumstances.
- Motorized Height Adjustment – Allows for easy adjustment to a variety of heights to accommodate the caregiver and the family.
- Built-in Efficiency Features – Instrument trays, shelves, IV poles and a large pass-thru drawer allow for convenient arrangement of the tools you need to care.