









Dartmouth Health Simulation-Based Education & Research




Patient Safety Training Center





Equipment Reference Guide





Manikins
High Technology
Mid Technology
No Technology

Simulator Name	Image	Description	Application
Laerdal—SimMan Essential		<p>Full body wireless high-technology adult simulator with wireless capability designed for multidisciplinary healthcare trainings.</p>	<p>This manikin is versatile for use in airway management, catheterization, defibrillation and IV access. Essentials have been upgraded with reactive pupils and operates with the most current version of LLEAP.</p>
Laerdal—SimMan 3G		<p>Full body wireless adult simulator with all of the features of 3G Essential, plus additional fluidics and convulsions features.</p>	<p>Allows easier INSITU simulations due to its wireless capabilities. 3G can also be used with a ventilator. Good for airway management, defibrillation, vascular access and catheterization. This manikin has been updated to operate with the most current version of LLEAP.</p>
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Simulator Name	Image	Description	Application
Laerdal—SimLady		<p>.Full body wireless female adult simulator with wireless capability designed for multidisciplinary healthcare trainings. (previously our SimMom birthing manikin that has been re-purposed with a standard pelvis)</p>	<p>This female manikin is versatile for use in airway management, catheterization, defibrillation and IV access. Easy to moulage for various trauma scenarios.</p>
Laerdal—MegaCode Kelly		<p>A full-body manikin designed for the practice of advanced, difficult and obstructed airway scenarios and IV therapy.</p>	<p>This flexible manikin platform, complete with scenario-based simulation curriculum provides a wide range of accessory modules to accommodate training, including CPR, ACLS, NBC, trauma, bleeding control and first aid.</p>
Laerdal—SimMan ALS		<p>Full body manikin that provides a mobile, solution that trains pre-hospital and in-hospital emergency care skills.</p>	<p>This manikin covers skills training from basic assessment to advanced life-support skills. From pre-hospital, on-scene assessment and management to definitive care in a hospital. ALS can also be used to accommodate training, including CPR, ACLS, NBC, trauma, bleeding control and first aid.</p>
Gaumard—Victoria advanced Birthing—OB/GYN Manikin		<p>High-technology full body OB/GYN nursing/birthing simulator. Wireless manikin with independent connection to newborn manikin giving 5 minutes of post birthing simulation for newborn nursing care.</p>	<p>Used for prenatal and postnatal care training. Good for airway management, defibrillation, vascular access and catheterization and birthing simulations. Multiple “tummy” sections and perineum for various OB/GYN exams. Including IUD placement and S.A.N.E training scenarios.</p>



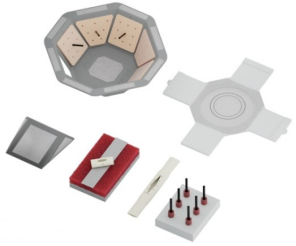

Simulator Name	Image	Description	Application
Laerdal—Wound Care Nursing Skills Manikin		This is a no technology nursing skills manikin that various hospital wounds can be added to for realism in wound assessment and patient care scenarios.	This manikin can be loaned to departments that wish to conduct their own nursing skills training outside of the PSTC.
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Echo Mask/Oneail FX Studio (fits, SimMan 3G)		Apply over SimMan 3G to add realistic age and trauma to your manikin.	Add realism to scenarios without restricting manikin functions. Trauma mask allows use of fake blood to enhance scenario.
MedicFx – Geriatric Manikin Faces (for SimMan 3G or SimMan Essential)		These faces apply directly over the existing manikin’s face to add realism to training.	Manikins are still able to be intubated or have a BVM used on them. Does not affect other manikin functions. There are 4 masks available, geriatric male, geriatric female, and middle aged female.



Simulator Name	Image	Description	Application
Laerdal—SimJunior		<p>Full body high-technology pediatric manikin; comes with interchangeable trauma modules. Fully wireless manikin that can be used with a SimPad, Laptop or from a Control Room computer.</p>	<p>A wide range of pediatric emergency scenarios including airway management, IV and defibrillation training.</p>
LifeCast—Child		<p>Child based on a 6-8 year old weighing 28Kg approx. Ethnicity – Caucasian/Hispanic Hand punched hair</p>	<p>Step wise airway management with mouth, open nostrils, upper airway and lungs enabling bag/valve/mask, oropharyngeal airway, nasopharyngeal airway supraglottic airway and ET tube intubation CPR compatible, needle decompression insertion.</p>
Guamard—Super Tory		<p>Neonatal manikin designed for care specialist training in real environments. Active movement, true ventilator support, real patient monitoring.</p>	<p>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.</p>
Laerdal—SimBaby Classic		<p>Full body, high-technology infant care simulator. This is a tethered manikin that needs to be utilized in the PSTC.</p>	<p>Useful for infant care scenarios, IV training, airway management and emergency care.</p>

Simulator Name	Image	Description	Application
<p>Laerdal—SimNewB Classic</p> <p>*Can Be Loaned to NRP minus the SimPad and Link Box</p>		<p>Full body neonatal emergency care simulator. Can be run with a SimPad, Laptop or from a control Room computer.</p>	<p>Useful for airway management, umbilical training and neonatal emergency care training.</p>
<p>LifeCast—Infant</p>		<p>Based on 36+ week baby Weight 2.2g approx. Ethnicity – Caucasian/Hispanic Hand punched hair</p>	<p>Step wise airway management with mouth, upper airway and lungs enabling bag/valve/mask, oropharyngeal airway, supraglottic airway and ET tube intubation. CPR compatible, Umbilical cord – cannulatable with flashback, IV placement (no fluids)</p>
<p>Laerdal—Premature Anne</p>		<p>Realistically proportioned 25-week preterm manikin/task trainer</p>	<p>Designed to facilitate the training of healthcare professionals in the initiation of proper care and resuscitation of preterm infants.</p>
<p>Nasco Life/Form—Micro Premie</p>		<p>Manikin represents a 25-week neonate.</p>	<p>Manikin allows for airway and ventilation, GI, umbilicus, IV access, chest tube & pressure ulcer training.</p>

Task Trainers





Fixed





Simulator Name	Image	Description	Application
ORSIM—Bronchoscopy Simulator		Small, portable, multi-scenario bronchoscopy trainer.	Portable unit with a full sized bronchoscope, and a variety of different scenarios to suit training needs.
Limbs & Things – FLS Trainers		A task trainer specifically used for teaching the Fundamentals of Laparoscopic Surgery.	Aids in the development of fine motor skills and hand to eye coordination needed for successful laparoscopic surgery.
Inovus—Laparobowl FLS Insert		The LaparoBowl provides everything required to train towards EMIGS competency (Essentials in Minimally Invasive Gynecologic Surgery).	Provides residents, fellows, and practicing physicians an opportunity to learn the essentials of minimally invasive gynecologic surgery using structured, standardized, and validated methods; and to test the basic knowledge and manual skills, to elevate gynecologic surgical training and improving the quality of patient care.
Olympus—Endo Tower Trainer		Endoscopic medical simulator for the training of gastrointestinal upper and lower endoscopic procedures.	Provides multiple training opportunities with true to life patient cases offering realistic scenarios of clinical situations, ranging from simple diagnostic procedures to advanced ERCP procedures and Endoscopic Ultrasound (EUS) procedures.





Simulator Name	Image	Description	Application
<p>Simbionix /Surgical Science– GI-BRONCH Mentor</p>		<p>Endoscopic medical simulator for the training of gastrointestinal upper and lower endoscopic procedures.</p>	<p>Provides multiple training opportunities with true to life patient cases offering realistic scenarios of clinical situations, ranging from simple diagnostic procedures to advanced ERCP procedures and Endoscopic Ultrasound (EUS) procedures.</p>
<p>HeartWorks – Transesophageal Echocardiography (TEE) Simulator</p>		<p>This simulator allows for real-time simulated TTE imaging of the virtual heart. The life-size manikin torso has soft skin with accurate, palpable anatomical landmarks to aid positioning of the hand-held ultrasound probe.</p>	<p>There is the ability to simultaneously identify the position of the probe on the virtual chest as well as to see the orientation of the ultrasound plane. The anatomy display includes a representation of the chest wall, ribs, sternum and spine as well as great vessels, lungs, pericardium, diaphragm and liver are displayed.</p>





Skills Trainers


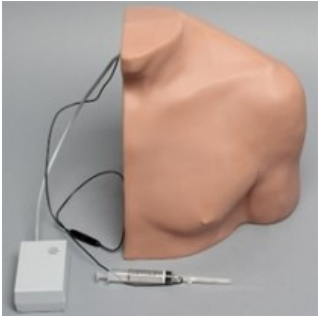


Portable





Simulator Name	Image	Description	Application
<p>SimuLab—TraumaChild</p> <p>**Can Be Loaned</p>		<p>A high fidelity, soft tissue simulator designed to teach advanced trauma surgical skills for Pediatric Advanced Life Support (PALS). This simulated five year old breathes, bleeds and comes with tissues that are easily replaced.</p>	<p>Used for cricothyroidotomy, chest tube insertion, pericardiocentesis, needle decompression, percutaneous tracheostomy, diagnostic peritoneal lavage, IV cutdown, incision and suture training.</p>
<p>SimuLab—CentraLine Man</p> <p>*Ultrasoundable</p> <p>**Can Be Loaned</p>		<p>Central venous catheterization training and ultrasound training.</p>	<p>Used for practice of full central venous catheterization using ultrasound guided or landmark insertion approaches at the subclavian, supraclavicular, and internal jugular access sites.</p>
<p>Laerdal—IV Torso</p> <p>**Can Be Loaned</p>		<p>Allows practicing of intravenous access techniques for both advanced cardiac life support and trauma.</p>	<p>Laerdal IV Torso enables the practice of IV access to the:</p> <ul style="list-style-type: none"> - External jugular vein - Internal jugular vein via the anterior, central and posterior approach - Subclavian vein - Femoral vein
<p>12 Lead Task Trainer</p> <p>** Can Be Loaned</p>		<p>Adult male upper torso with anatomically accurate landmarks designed to realistically simulate airway management scenarios and train students in the proper utilization of 12 lead ECG devices, including the proper connection of patient cable, acquisition and interpretation of 12 lead ECG.</p>	<p>Connection sites for four limb leads and VI through V6, Compatible with most 3-, 4- and 12-lead defibrillators/monitors, Pacing with option to respond or fail to capture, and Scenarios of up to five (5) ECG choices may be programmed with the ability to step to the next rhythm based on user input time frame or single-button activation.</p>




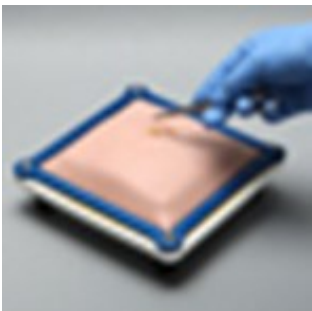
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<p>Laerdal—IV Training Arm</p> <p>**Can Be Loaned</p>		<p>Arm reproduction with multi-vein system designed for peripheral intravenous therapy.</p>	<p>Adult male, female and pediatric IV arm used for IV insertion training.</p>
<p>SimuLab—ArteriaLine ABG Trainer</p> <p>**Can Be Loaned</p>		<p>With this true to life hand and arm model, users can safely practice arterial cannulation, ABG and arterial puncture.</p>	<p>ArteriaLine and ABG Trainer allows educators to train ultrasound guided radial artery catheterization and perform complete continuous blood pressure measurement and blood gas sampling in critically ill patients.</p>
<p>Laerdal - Intubation Trainers – (Adult/Pediatric/Neonate)</p> <p>**Can Be Loaned</p>		<p>Infant, pediatric and adult head and torso body forms with airway.</p>	<p>Used primarily for practicing proper insertion and removal of intubation tubes for maximum effectiveness.</p>
<p>Laerdal—Cricoid Stick Trainer</p> <p>**Can Be Loaned</p>		<p>Anatomically accurate landmarks for site training Interchangeable tracheas facilitate realistic simulation of needle and surgical cricothyrotomy procedures. Replaceable neck skin with self-repairing memory allows repeated practice</p>	<p>Needle and surgical cricothyrotomy skills can be practiced on this model, with interchangeable rigid and soft tracheas, that also articulates to a range of adult manikins</p>





Simulator Name	Image	Description	Application
Gaumard – 1 Year Old Airway Management Trainer **Can Be Loaned		Pediatric full body trainer for practicing airway management skills.	Used for BVM training, nasal and oral intubation training, and LMA/Combi-Tube training.
Gaumard – 5 Year Old Airway Management Trainer **Life Support Classroom		Pediatric full body trainer for practicing airway management skills.	Used for BVM training, nasal and oral intubation training, and LMA/Combi-Tube training on a 5 year old pediatric patient. This manikin is housed with the Life Support Program.
Gaumard- Multipurpose Airway Management Trainer **Can Be Loaned		<ul style="list-style-type: none"> - Realistic airway with tongue, vocal cords, trachea, & the ability to simulate laryngospasms. - Nasal & oral Intubations, airway supports intubation using standard adjuncts: ETT, LMA, King LT® - Surgical airway Insert supports cricothyrotomy & tracheostomy. 	Designed to help you teach basic and advanced airway management as well as cardiopulmonary resuscitation. Helps learners learn to recognize laryngospasm and practice performing emergency tracheostomies and cricothyrotomies.
Gaumard – Multipurpose Airway and CPR Trainer **Can Be Loaned		<ul style="list-style-type: none"> -Realistic airway with tongue, vocal cords, trachea, & the ability to simulate laryngospasms. - Nasal & oral Intubations, airway supports intubation using standard adjuncts: ETT, LMA, King LT® - Surgical airway Insert supports cricothyrotomy & tracheostomy. 	Portable airway management and CPR skills trainer. Teach basic and advanced airway management as well as cardiopulmonary resuscitation. Learn to recognize laryngospasm and practice performing emergency tracheostomies and cricothyrotomies.





Simulator Name	Image	Description	Application
Tru-Corp—AirSim Bronchi Trainer **Can Be Loaned		Internal anatomically correct detail down to the fourth generation bronchi, combined with the AirSim Airway and Nasal Passage. Both internal & external features. The carina, the bronchus & bronchioles can be identified by using a fiber optic laryngoscope.	The AirSim Bronchi will provide a solution to your training needs in: <ul style="list-style-type: none"> • Direct and video laryngoscopy • Endo and naso tracheal tube insertion • Fibre optic examination • Supraglottic device insertion • Diagnostic bronchoscopy
MedicFX—Big Clint Obese Cric Trainer **Can Be Loaned		Lifelike obese adult with fatty neck for practicing Cric skills.	Used primarily for practicing identifying landmarks and proper insertion and removal of a cric tube.
Limbs & Things - Knee Aspiration and Injection Trainer **Can Be Loaned		Adult male knee attached to a base unit for stability during training.	This specialized model is used for training in the technique of synovial fluid aspiration and identifying anatomical landmarks as well as blind injection techniques.
Limbs & Things -Hand/Wrist Injection Trainer **Can Be Loaned		Adult articulated hand and wrist injection trainer.	Used for practicing soft tissue joint injection in the hand and/or wrist area for the treatment of injuries and arthritis.





Simulator Name	Image	Description	Application
Limbs & Things -Male/Female Catheterization Trainer **Can Be Loaned		The catheterization trainers allow the trainee to learn urinary catheterization techniques. The feel of the catheter passing along the urethra into the bladder corresponds closely to real life.	Correct handling of male and female anatomy, aseptic catheterization technique, catheter placement: accepts catheters from 14-16, French (male) and 12-16 French (female), and fluid management and withdrawal of catheter.
Sawbones - Shoulder Injection **Can Be Loaned		Trainer gives audio feedback when an internal structure is touched with a needle. Basic structures include subacromial bursa, AC (acromioclavicular) joint, glenohumeral joint space, and bicipital groove.	For practicing soft tissue joint injection in the shoulder area used for the treatment of injuries and arthritis.
Simulaids—Humerus Intraosseous (I.O.) Trainer **Can Be Loaned		Humerus Intraosseous (IO) Trainer includes the correct hallmarks which are needed to provide accurate and safe access for fluid administration.	Trains 3 orientations, features the correct hallmarks and easy access bone replacement.
3B Scientific – SONOtrain Ultrasound Vein Model *Ultrasoundable **Can Be Loaned		The SONOtrain trainer is an excellent teaching tool for basic training and for improving dexterity and hand-eye coordination skills using an ultrasound probe	Ultrasound block with three blood vessels with diameters of 4, 8 and 15 mm with adjustable fluid flow. Punctures and injections possible, and self-closing injection channels. The material simulates the feel of real soft tissue for carrying out palpations and injections and shows realistic texture and echogenicity on ultrasound images.




Simulator Name	Image	Description	Application
<p>Kyoto-Kagaku—Endoscopy Trainer</p> <p>**Can Be Loaned</p>		<p>Specifically designed to meet the new training requirements of the American Board of Surgery Flexible Endoscopy Curriculum, which applies to all applicants training from 2017-2018 academic year onwards.</p>	<p>Scope manipulation: Performing basic endoscopic navigation, using scope torque and dial control to align 10 sequential shapes within the lumen</p> <p>Tool targeting: Learning the skills of hand-eye co-ordination required for biopsy, connecting to 10 metal.</p>
<p>Kyoto-Kagaku—Colonoscopy Trainer</p> <p>**Can Be Loaned</p>		<p>Designed for practicing colonoscope handling and techniques.</p>	<p>Presents a wide range of challenges to learners performing a colonoscopy, from simple and uncomplicated cases to difficult and sensitive variations and provides the necessary training required to avoid patient pain and discomfort during an examination.</p>
<p>LECAT's – Ventriloscope</p> <p>**Can Be Loaned</p>		<p>Designed to benefit learners of various levels and programs, from basic fundamentals to specialty practices.</p>	<ul style="list-style-type: none"> * High-Quality adult & pediatric sound libraries of live patient recordings * Currently used in various teaching programs, including medical, nursing, respiratory, physician assistant, military, EMT, chiropractic, high school, and more * Increases retention by using multiple senses * Hear and assess actual patient/manikin sounds
<p>MedVision – MedVision Auscultation Task Trainer (MATT)</p> <p>**Can Be Loaned</p>		<p>Lifesize anatomically correct torso auscultation trainer on a pivoting stand for classroom or single learner training. Trainer utilizes a tablet for control and a SmartScope attached to a stethoscope for the learner. Speakers can be used in a classroom environment.</p>	<ul style="list-style-type: none"> 5 cardiac auscultation points 5 anterior lung auscultation points 6 posterior lung auscultation points 4 abdomen auscultation points <p>User friendly software interface, over 30 heart, lung, and bowel sound.</p>





Simulator Name	Image	Description	Application
<p>1 Yr. old Pedi Heart and Lung Sound Trainer</p> <p>**Can Be Loaned (needs the 1 Year old airway manikin)</p>		<p>The 1 yr old Heart and Lung Sound Trainer is an add-on to the 1 Yr old Airway Management Trainer which uses RFID tags and a SmartScope to teach various heart and lung sounds.</p>	<p>Used to teach learners various pediatric heart and lung sounds using appropriate anatomy landmarks. When connected to the external speakers, the trainer can be used in a classroom environment.</p>
<p>Health Edco – Abdominal Palpation Model</p> <p>**Can Be Loaned</p>		<p>The model includes a fetus with movable arms and legs, firm buttocks, and a head with palpable anterior and posterior fontanel. The fetal body flexes to allow demonstration of all presentations and positions. The fetus and included vinyl pelvis rest within the abdominal portion of the model. The abdomen, a padded cloth attached by Velcro to the base, makes it easy to visualize and change fetal positions.</p>	<p>The ability to perform Leopold's Maneuvers and provide immediate visualization of the fetus after demonstration of the palpation skills is an advantage in teaching health professionals and students. Allows for visualization of the concepts of breech and vertex presentations as well as anterior and posterior positions.</p>
<p>Health Edco—Fetal Monitoring Labor Progress</p> <p>**Can Be Loaned</p>		<p>This model set includes a fetal head, lower uterine segment, fetal buttocks for breech presentation, four interchangeable cervical dilatation models, and durable case.</p>	<p>This fetal and labor model set is an excellent tool for teaching nursing, medical, or midwifery students.</p>
<p>SawBones—Suture Trainer</p> <p>**Can Be Loaned</p>		<p>Portable desktop skills trainer with adjustable skin tension.</p>	<p>For suture training and knot tying skills.</p>





Simulator Name	Image	Description	Application
Gaumard—Prostate Exam and Men’s Health Exam Trainer (ZACK) **Can Be Loaned		Rectal examination model comprises a realistic representation of the buttocks, anus and rectum.	Used for the practice of diagnostic skills associated with rectal and testicular examination.
VATA Inc – Bonnie Bone Marrow Biopsy Skills Trainer **Can Be Loaned		Anatomically correct trainer provides a realistic feel when puncturing the skin surface while entering the iliac crest bone and during the extraction of simulated bone marrow samples.	Designed with clinician input to replicate, teach, and reinforce the skills needed to perform a posterior iliac crest bone marrow biopsy procedure.
TeleFlex—EZ-IO Trainer **Can Be Loaned		Provides peripheral venous access with central venous catheter performance.	Uses the intraosseous space of the humerus, tibia, and distal femur as a large, non-collapsible vein.
Nasco Life/form® - Intradermal Injection Trainer **Can Be Loaned		Forearm body form used for practicing giving intradermal injections.	Used for training in microinjections between the layers of the skin.





Simulator Name	Image	Description	Application
<p>AutoPulse–Zoll R Series Defibrillator Training Torso</p> <p>**Can Be Loaned</p>		<p>Life size, lifelike reproduction of a human torso.</p>	<p>Used for AED and defibrillator training.</p>
<p>Ethicon - Knot Tying Boards</p> <p>**Can Be Loaned</p>		<p>Small, portable, light weight knot tying trainer.</p>	<p>Practice suture manipulation and knot tying skills.</p>
<p>Sawbones® - Centesis Trainer</p> <p>**Can Be Loaned</p>		<p>Life size reproduction of a human torso used for thoracentesis/paracentesis training.</p>	<p>The thoracentesis/paracentesis trainer allows for the diagnosis of pleural effusion and therapeutic removal of pleural air or liquid.</p>
<p>VATA Inc—Chester Chest</p> <p>**Can Be Loaned</p>		<p>Lifelike model of human torso with detachable right arm designed for the insertion, care and removal of common long-term vascular access routes.</p>	<p>Chester Chest is a teaching tool that enables learners to develop competence with three of the long-term vascular access routes. Chester Chest is provided with a surgically placed central catheter & peripherally placed central catheter.</p>

Simulator Name	Image	Description	Application
<p>Blue Phantom—Nerve Block Central Line Trainer</p> <p>*Ultrasoundable **Can Be Loaned</p>		<p>Realistic anatomy of the upper thorax and neck. This ultrasound simulator contains vascular anatomy including the internal jugular vein, brachiocephalic vein, subclavian vein, axillary vein, carotid artery, subclavian artery and axillary artery.</p>	<p>Used to complete central line placements of the internal jugular and subclavian vein - including needles, guidewires, dilation and threading of catheters.</p>
<p>Blue Phantom - Intra Jugular (IJ) Central Line Trainer</p> <p>*Ultrasoundable **Can Be Loaned</p>		<p>Compact and lightweight internal jugular ultrasound phantom training model.</p>	<p>Internal jugular ultrasound phantom model provides ultrasound imaging and allows you to perform complete central line placements of the internal jugular vein – including needles, guidewires, dilation, and threading of catheters.</p>
<p>Laerdal—NG/OG/Trach Trainer</p> <p>**Can Be Loaned</p>		<p>Head features anatomical landmarks, trachea, esophagus, simulated lungs and stomach. Lungs and stomach may be filled with fluid for realistic practice of many procedures.</p>	<p>Used for Tracheostomy care, NG tube insertion, removal, irrigation, 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.</p>
<p>Blue Phantom – Ultrasound General Pathology Pelvic Exam Trainer</p> <p>*Ultrasoundable **Can Be Loaned</p>		<p>Simulated human tissue providing a realistic training model. Anatomically accurate external anatomy.</p>	<p>Offers users a training platform for teaching and learning how to perform endovaginal ultrasound procedures using their own ultrasound system.</p>





Simulator Name	Image	Description	Application
EpiMed—Genesis Lumbar Puncture Trainer *Ultrasoundable **Can Be Loaned		The Genesis Epidural-Spinal Injection Simulator is the ideal training simulator for common neuraxial blocks.	Ability to demonstrate routine neuraxial procedures such as epidural loss of resistance, Lumbar puncture, Epidural and spinal catheter placement, & combined spinal epidural technique.
Kyoto Kagaku—Lumbar Puncture Trainer *Ultrasoundable **Can Be Loaned		Closely simulates the lumbar anatomy including the anatomical landmarks. Provides life-like sensation of both skin and tissue resistance to the spinal needle.	Allows students to both collect CSF -fluid and measure CSF -fluid pressure under clinically realistic conditions, and a separate anatomical model of the lumbar spine to facilitate anatomical understanding. Includes a transparent puncture block for direct observation of both the anatomy and the spinal needle path.
SimuLab – Lumbar Puncture Baby *Ultrasoundable **Can Be Loaned		Anatomically correct two week old infant with flexible body form.	Use of the lateral decubitus and sitting positions for pediatric lumbar puncture, palpate external landmarks, and proper technique for lumbar puncture (spinal tap) procedure on an infant.
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Simulator Name	Image	Description	Application
Medical Plastics Laboratory Inc. - Baby Umbi **Can Be Loaned		Female newborn infant reproduction designed for the practice of umbilical catheterization.	Designed with retractable umbilical cord for the practice of umbilical catheterization. Two arteries and vein molded into umbilical cord facilitate Low UAC, High UAC, and Umbilical Vein Catheter Securing and dressing procedures may also be practiced.
3BScientific - Gynecologic Exam Trainer **Can Be Loaned		A lifelike female pelvis for developing diagnostic skills in gynecologic procedures, anatomical instruction, abdominal palpation, and speculum instruction.	Allows the comprehensive, stress free introduction of gynecological examinations, or more advanced tactile comparisons of pelvic pathologic conditions in a classroom setting easing the way into clinical experience.
Laerdal - Femoral Access Trainer **Can Be Loaned		A lifelike manikin pelvis, which realistically simulates that of a patient.	Specifically designed for training professionals in the practice of accessing the femoral artery and vein.
Gaumard—Breast Exam Trainer **Can Be Loaned		The Breast Exam Trainer is a task trainer with left and right breasts attached to an upper torso. The left breast provides pathologies for breast self-exam training, the right breast provides pathologies for clinical breast exam training.	Left breast contains four masses in the breast tissue and two masses in the axilla region. Right breast contains enlarged lymph node, fibroadenoma, fibrocystic mass and fluid-filled cyst

Simulator Name	Image	Description	Application
<p>Limbs & Things—PROMPT Birthing Simulator</p> <p>**Can Be Loaned</p>		<p>Adult female torso and fetus reproductions used for birthing training.</p>	<p>Enables instructors to effectively teach the complexities associated with birthing. Participants can experience childbirth and practice the skills required for successful deliveries.</p>
<p>Gaumard - Super OB Susie Birthing Trainer</p> <p>**Can Be Loaned</p>		<p>The Super OB Susie® childbirth training torso is designed to aid educators teach labor and delivery management skills to learners of all levels.</p>	<p>The anatomically accurate pelvis and full-term neonate allows learners to develop clinical skills transferable to scenario-based exercises. The simulator's modular design allows its functionality to expand with growing training needs.</p>
<p>Blue Phantom—Lumbar Puncture/Spinal Epidural Trainer</p> <p>*Ultrasoundable</p> <p>**Can Be Loaned</p>		<p>Practice and teach a wide variety of ultrasound procedures including lumbar puncture, lumbar epidural diagnostic and therapeutic procedures.</p>	<p>The trainer can be positioned upright or lateral decubitus position. External landmarks at the iliac crests can be palpated in the model to orient the user to the proper access points.</p>
<p>SimuLab—TraumaMan</p> <p>**Can Be Loaned</p>		<p>An anatomically correct human body form that allows students to practice various advanced surgical procedures. It includes a simulated human torso with a ventilator and four anatomically correct surgical zones.</p>	<p>Used for cricothyrotomy, chest tube insertion, pericardiocentesis, needle decompression, percutaneous tracheostomy, diagnostic peritoneal lavage, IV cutdown, incision and suture training.</p>


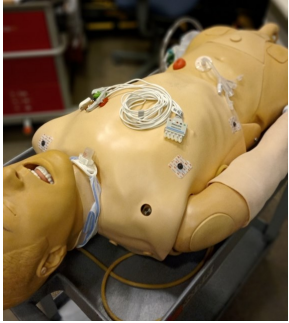


Simulator Name	Image	Description	Application
<p>G-Phantom - Thyroid Biopsy Ultrasound Trainer</p> <p>*Ultrasoundable</p> <p>**Can Be Loaned</p>		<p>Used for core biopsy and fine-needle aspiration training. The phantom is 6.5" x 1.5" x 5" and feels like human tissue. Emulates biopsy and puncture feel.</p>	<p>The thyroid biopsy phantom contains the main gland and all the surrounding structures: right and left lobes, trachea, vascular system and several lesions with different echogenicity levels.</p>
<p>SimuLab - Foreign Body Ultrasound Trainer</p> <p>*Ultrasoundable</p> <p>**Can Be Loaned</p>		<p>This Trainer is used to practice identifying common objects embedded in simulated tissue. The trainer's foreign body objects include a nail, wood splinter, needle, glass shard, bullet, two BBs, and metal fragments.</p>	<p>The Foreign Body Ultrasound Trainer is used to practice the identification of common objects embedded in our realistic simulated tissue.</p>
<p>Anatomy Warehouse - Ultrasound Arthrocentesis Injection Model</p> <p>*Ultrasoundable</p> <p>**Can Be Loaned</p>		<p>ultrasound-guided knee arthrocentesis training with true-to-life skin feel and touch, accurate anatomical structure as well as real clinical ultrasound images. Realistic resistance to needle tips and correct landmarks provide excellent hands-on experience.</p>	<ul style="list-style-type: none"> ● Palpating anatomic landmarks significant to the procedure ● Recognition of landmarks by ultrasound and image interpretation ● Needle aspiration & injection techniques <p>Floating patella examination</p>
<p>The Chamberlain Group—Trauma Thoracotomy Trainer</p>		<p>Trauma Thoracotomy Trainer simulates a patient with an indication for a resuscitative thoracotomy. It features a realistic beating heart with a bleeding right ventricular wound and adjustable heart rate. Suturable wound site is designed for multiple use.</p>	<p>Can be used for: Open chest tube insertion (bilateral), Percutaneous chest tube insertion (bilateral), Left anteriolateral thoracotomy (ED thoracotomy), Pericardiotomy followed by open cardiac massage, Cardiac laceration repair of right ventricle with active bleed & realistic cardiac movement, Cross-clamping of pulmonary hilum, Team training in crisis resource management trauma or thoracic surgery scenarios.</p>





Life Support Equipment



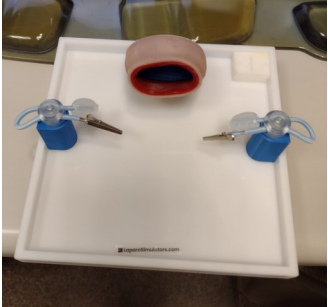
Simulator Name	Image	Description	Application
<p>Ambu-Man—Advanced BLS Manikin</p> <p>**Can Be Loaned</p>		<p>A highly developed instruction and training manikin for the simulation of realistic and correct anatomical and physiological conditions during cardiopulmonary resuscitation by means of rescue breathing and chest compression.</p>	
<p>Laerdal – Resuci-Anne Adult Q CPR Manikin</p> <p>**Can Be Loaned</p>		<p>Manikin is designed to provide high quality adult CPR training. Realistic adult human torso.</p>	<p>Provides life-like and educationally effective CPR training with feedback.</p>
<p>Prestan – Adult CPR Manikin With Feedback</p> <p>**Can Be Loaned</p>		<p>Manikin is designed to provide high quality adult CPR training.</p>	<p>Provides life-like and educationally effective CPR training with feedback.</p>
<p>Laerdal - Pediatric CPR Manikin</p> <p>**Can Be Loaned</p>		<p>Lifelike child CPR trainer.</p>	<p>Educationally effective by offering all of the essential features necessary for learning child CPR. Realistic anatomical landmarks provide the essential features necessary to teach quality appropriate CPR techniques.</p>

Simulator Name	Image	Description	Application
<p>Prestan—Infant CPR Manikin w/ Feedback</p> <p>**Can Be Loaned</p>		<p>Offers all the essential features necessary for learning infant CPR.</p>	<p>Provides effective infant CPR training with feedback to the learner.</p>
<p>Act Fast—Abdominal Thrust Trainer</p> <p>**Can Be Loaned</p>		<p>When Abdominal Thrust Maneuver is performed correctly, a foam plug is ejected from the trainer.</p>	<p>Teaches the Abdominal Thrust Maneuver. Provides feedback when maneuver is performed correctly.</p>
<p>Simulaids - Bariatric CPR Manikin</p> <p>**Can Be Loaned</p>		<p>This manikin helps to prepare students to respond to a more typical cardiac arrest event with a victim who is elderly and overweight.</p>	<p>Large body type with extra “fat” layer, realistic head tilt and chin lift for opening the airway, and palpable and visual anatomical landmarks, including the sternum, rib cage, and substernal notch. The airway can be manipulated to simulate airway obstruction or choking situations.</p>
<p>RQI Partners - Voice-Assisted (VAM) Manikins</p> <p>**Can Be Loaned</p>		<p>Adult and infant CPR manikin connected to a computer, this module allows the student to practice ventilation and CPR.</p>	<p>Demonstrate efficient single-rescuer bag-mask ventilation, and efficient single-rescuer CPR on an adult or infant manikin.</p>

Fabricated Training Devices

Simulator Name	Image	Description	Application
DHART Aircraft Simulation Environment		Constructed aircraft training space to replicate the environment flight crews care for patients in during air transport.	This environment has the same dimension as the inside of the EC-135 DHART aircraft which provides them with a realistic space to provide patient care during transport operations. Departments wishing to collaborate with DHART should contact the DHART educator and a SBER educator to design a training session.
SimMan Modified Nursing Skills Trainer **Can Be Loaned		Modified SimMan Classic to provide Insitu nursing skills training.	This trainer provides a mobile platform to train airway management, CPR, chest tube care, trach scare/suctioning, ostomy care, supra pubic catheterization, Urinary catheterization for male and female patients.
Penile corpus cavernosa aspiration Trainer **Can Be Loaned		Task trainer was developed for corpus cavernosa aspiration and phenylephrine injection	This task trainer was felt to be realistic and useful for resident education. Secondly, use of the model in a simulation session can improve resident comfort in an important and infrequent procedure.
3D Printed Cric Trainer **Can Be Loaned		Low cost per use trainer with anatomical representation of airway and realistic landmarks.	Can be used along side more advanced training devices, the Cric trainer can help keep Cricothyrotomy procedures proficient, while keeping training session costs low. The trainer can also be used for reviewing the basic practices of Cricothyrotomy.

Simulator Name	Image	Description	Application
3D Fabricated—CICO Rescue		Cannot Intubate, Cannot Oxygenate Rescue trainer is a low cost per learner 3D fabricated trainer	With “CICO,” hypoxic brain damage and death will result unless there is rapid resolution. The ability to swiftly establish an emergency Front of Neck Airway as a CICO rescue is an essential skill
IV Block Ultrasoundable		Dual Vein IV Access Trainer	Inexpensive reusable trainer used to identify the target vein for access. IV block has primed veins to give the learners “flash” to indicate they are in the vein.
Pressure Dressing Trainer		Silicone insert in a SimMan thigh with a hidden bleed point and simulated blood.	An excellent way to provide realistic low-cost and repetitive training in wound packing and the use of advanced hemostatic gauzes.
3D Printed IO Trainer		3D printed container with simulated bone, covered with silicone tissue. These come in two sizes, Pediatric (Blue) and Adult (Yellow)	Practice IO needle insertion training techniques. Determine appropriate landmark and placement of needle. This is a cost-effective training pad and designed for repeated use.

Simulator Name	Image	Description	Application
US IV Phantom *Ultrasoundable		Branched vessel ultra-sound guided IV training phantom.	Presents the challenge of varying sized veins for the learner. Fluid filled medical gel to present a sharp US image.
US Shoulder Injection Trainer *Ultrasoundable **Can Be Loaned		Ultrasound Guided Shoulder Injection Trainer allows learners to acquire the key skills of using Ultrasound guidance to locate, inject into the most commonly treated shoulder sites.	Patient positioning Performing US guided injections Identification of anatomical landmarks while using ultrasound Using ultrasound technology to perform injections in different planes & approaches
3D Printed Vaginal Cuff Suture Trainer		3D printed based and in house fabricated vaginal cuff .	For OB/GYN residents to practice vaginal cuff suture skills.
Blank Space			