# Patient Simulation Center - Equipment Listing (Aug.24, 2006)

<table>
<thead>
<tr>
<th>Manikin-Based Patient Simulators and Manikins</th>
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<tbody>
<tr>
<td><strong>Laerdal SimMan</strong> (4 units)</td>
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<tr>
<td>Full-bodied medium- to high-fidelity manikin-based adult patient simulator</td>
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<tr>
<td><strong>Laerdal SimBaby</strong> (2 units)</td>
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<tr>
<td>Full-bodied medium- to high-fidelity manikin-based infant (6-month old) patient simulator</td>
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<tr>
<td><strong>Gaumard NOLLE Obstetrics Simulator</strong></td>
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<tr>
<td>Full-bodied medium-fidelity obstetrics manikin-based simulator with maternal and fetal monitoring capabilities.</td>
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<tr>
<td><strong>Laerdal ALS Manikin</strong></td>
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<tr>
<td>Full-bodied medium-fidelity manikin-based patient simulator. Self-contained, portable simulator</td>
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<tr>
<td><strong>Laerdal Ultimate Hurt Trauma Manikin</strong></td>
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<tr>
<td>Full-bodied low-fidelity trauma manikin</td>
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<tr>
<td><strong>Harvey Cardiopulmonary Assessment Simulator</strong></td>
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<tr>
<td>High-fidelity torso manikin-based simulator for cardiopulmonary assessment skills</td>
</tr>
<tr>
<td><a href="http://www.crme.med.miami.edu/harvey_changes.html">http://www.crme.med.miami.edu/harvey_changes.html</a></td>
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<tr>
<td><strong>Laerdal MegaCode Kid</strong></td>
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<tr>
<td>Full-bodied low- to medium fidelity manikin-based pediatric simulator</td>
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<tr>
<td><strong>Gaumard PediBlue Newborn Simulator</strong></td>
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<tr>
<td>Full-bodied infant (&lt; 28 days old) low-fidelity manikin</td>
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</table>
**LifeForm Basic Geri Nursing Skills Manikin**
Full-bodied low-fidelity manikin that simulates geriatric patient

**Simulab Trauma Man Simulator**
High-fidelity torso manikin for practice of surgical skills associated with ATLS
[http://www.simulab.com/TraumaSurgery.htm](http://www.simulab.com/TraumaSurgery.htm)

**Nasco Infant Crisis Manikin**
Low fidelity infant manikin for resuscitation procedures

**MPL Pediatric Manikins with Rhythm Generators** (2 units)
Low-fidelity pediatric manikin for resuscitation procedures
Product no longer manufactured

**Laerdal ALS Baby**
Low fidelity infant manikin for resuscitation procedures

**LifeForm Special Needs Infant Manikin**
Infant manikin for trach care and Colostomy Management

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**Manikin-Based Simulator Accessories**

**Laerdal Trauma Module Set**
Adult trauma accessories for use with SimMan, ALS Simulator, or Ultimate Hurt simulators

**Laerdal SimMan Trauma Module Set**
Adult trauma accessories for use with SimMan, ALS Simulator, or Ultimate Hurt simulators

**Laerdal Advanced Trauma Module Set**
Adult trauma accessories for use with SimMan, ALS Simulator, or Ultimate Hurt simulators

**Laerdal Bleeding Trauma Module Set**
Four replacement limb attachments that allow for active bleeding in SimMan, ALS Simulator, or Ultimate Hurt Simulators

**Laerdal BTLS Victim Injury Set**
Adult trauma accessories for use with SimMan, ALS Simulator, or Ultimate Hurt Simulators
Laerdal Pediatric Trauma Modules
Pediatric trauma accessories for use with Laerdal Mega Code Kid Simulator

Laerdal Simulated Small Pox Module Set
Set of three small pox reactions for use with Laerdal SimMan, ALS Simulator and Ultimate Hurt simulators

Laerdal Simulated NBC Module
For simulation of nuclear, biological, or chemical reaction for use with SimMan or ALS manikin

Laerdal Nursing Wound Module Set
Adult wound accessories for use with SimMan, ALS Simulator, or Ultimate Hurt Simulators

Vascular Access Part-Task Simulators and Manikins

SimuLab CentralLineMan
Upper torso and neck for central line placement simulation
http://www.simulab.com/CentraLineMan.htm

Laerdal Arterial Stick Arm
Adult right arm for arterial stick (not arterial line) simulation

Laerdal Baby Arti
Infant/neonatal forearm for arterial stick simulation

Laerdal Multivenous IV Arm
Male right arm for IV insertion simulation

Laerdal Baby Ivy
Infant head for scalp vein vascular access simulation

LifeForm Intraosseous Infusion Simulator
Lower half of infant body for instrossesous needle insertion
Link to product information

Laerdal (MPL) Pediatric Multi-venous IV Training Arm
Pediatric right arm for IV insertion simulation
http://www.laerdal.com/document.asp?docid=3457311
Laerdal Baby Umbi
Infant manikin for umbilical venous access simulation

VATA Nita Newborn Infant Access Simulator
Newborn infant for IV access simulation of scalp, left arm and left leg
Link for product information

VATA Peter PICC Line Simulator
Simulator for access and care for peripheral into central lines
Link for product information

Laerdal IV Torso
Adult torso for use in central venous access simulation

Laerdal Femoral Access Trainer
For use in venous and arterial femoral line access

VATA Vascular Access Chester Chest simulator
Long-term vascular access route simulator

Simulaids Geriatric IV Arm
Geriatric and obese arm for IV placement simulation
http://www.enasco.com/healthcare/ProductDetail.do?sku=SB40134U

<table>
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<tr>
<th>Procedure Part-Task Simulators and Manikins</th>
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Laerdal NG Tube and Trach Care Simulator
Adult torso for NG tube insertion and trach care

Laerdal Cricoid Stick Simulator
Head and neck for cricoid stick simulation

TruCorp AirSim Multi Airway Simulator
Airway management trainer
Link to product information

LifeForm Advanced IV Injection Hand (2 units)
Hand manikin for use in gaining IV access
Link to product information

Laerdal Baby Stap
Procedure simulator for infant lumbar puncture
Gaumard Lumbar Puncture Trainer
Adult torso for simulation of lumbar puncture procedure

LifeForm Intradermal Injection Simulator
Forearm model for intradermal injection practice
Link to product information

LifeForm Bandaging Simulator
Female torso for practice of bandage and dressing application
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF00929U

LifeForm Suture Practice Arm
Life size arm reproduction for suture practice
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF01028U

LifeForm Prostate Exam Simulator
Includes four interchangeable prostates
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF00901U

LifeForm Colonscopic Examination Simulator
Simulated colon for use with endoscopic equipment
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF01084U

MPL Advanced Airway Management Trainer with Defib Capabilities (3 Units)
Adult torso with head allows placement of ETT and defibrillation
Product no longer manufactured

Laerdal Airway Management Trainer (6 units)
Adult head with simulated lungs for practice of basic and advanced airway procedures

Laerdal Defib Torso (6 units)
Adult torso for use with defibrillation
Product no longer manufactured

Laerdal Infant Airway Management Trainer (3 units)
Infant head for simulation of basic and advanced airway procedures

LifeForm Peritoneal Dialysis Trainer
Lower torso manikin for Continuous Ambulatory Peritoneal Dialysis
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF01027U

Simulaids Pneumothorax Trainer
Torso for practice of needle reduction of tension pneumothorax
http://www.simulaids.com/1800.htm
Gaumard Advanced Childbirth Simulator
Portable lower torso childbirth simulator

LifeForm Female Catheterization Trainer
Female catheterization simulator
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF00856U

LifeForm Male Catheterization Trainer
Male catheterization simulator
http://www.enasco.com/healthcare/ProductDetail.do?sku=LF00855U

<table>
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<tr>
<th>Joint Injection and Aspiration Trainers</th>
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</table>
| **Limbs and Things Elbow for Joint Injection Simulator**  
For practicing soft tissue joint injection used for the treatment of injuries and arthritis. This model of the upper and lower right arm is positioned accordingly for the treatment of both Golfer's and Tennis elbow. There are two different injection sites incorporated into this model.  
| **Limbs and Things Hand and Wrist for Joint Injection Simulator**  
An articulated model of the hand and wrist used for practicing soft tissue joint injection for the treatment of injuries and arthritis. There are four different injection sites, as well as the medial nerve, incorporated into this model.  
| **Limbs and Things Shoulder for Joint Injection Simulator**  
For practicing soft tissue joint injection used for the treatment of injuries and arthritis. There are five different injection sites incorporated into this model  
| **Limbs and Things Knee for Aspiration Simulator**  
This specialized model is used for teaching and practicing the technique of synovial fluid aspiration.  

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<tr>
<th>Assessment Part-Task Simulators and Manikins</th>
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| **Gaumard ZOE Gynecologic Simulator**  
Lower torso for gynecologic examination simulation (with all accessories)  
Link to product information |
| **Gaumard Advanced Patient Care Breast Palpation Simulator**  
Torso manikin with six different interchangeable breasts with abnormalities  
Link to product information |
Armstrong 12 Lead ECG Placement Trainer
Torso simulator for use with Armstrong AA-750 Rhythm Generator
Link to product information

Laerdal Baby Hippy Trainer
Lower infant torso and legs to diagnose hip dysfunction

Adam, Rouilly Ear Diagnostic Trainer
Adult human head with assessable ear
Link to product information

Adam, Rouilly Eye Retinopathy Trainer
Adult human head with assessable eyes
Link to product information

Laerdal Mr. Hurt  Head Trauma Simulator
Adult head for assessment of head trauma

Laerdal VitalSim Sounds Trainer
Portable auscultation trainer system that allows up to four students at a time to listen to heart or lung sounds

Lifeform Testicular Exam Simulator
This simulator features soft, thin outer skin with delicate underlying structures and four embedded, simulated tumors.

Surgical Simulators and accessories

Simulab Lap Trainer with Simuvision
Freestanding box trainer that projects operative vie w on laptop computer
http://www.simulab.com/SimuVision.htm

Limbs and Things Minimal Access Therapy Technique (MATT) Trainer
Simulated abdomen for training in laparoscopic procedures – To be used with Dyonics laparoscopic tower located in simulation center
http://www.limbsandthings.com/uk/products.php?id=50150

Professional Abdominal Opening & Closure Trainer (AOCT)
Trainer unit for surgical abdominal entry
**Laparoscopic Accessory Listing** – most items can be used interchangeably between Simulab and Limbs & Things trainer units

<table>
<thead>
<tr>
<th>Accessory</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tissue Suture Pad</td>
<td><a href="http://www.simulab.com/LaparoscopicSurgery.htm">http://www.simulab.com/LaparoscopicSurgery.htm</a></td>
</tr>
</tbody>
</table>

**Surgical and Procedural Simulation and Accessories**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>URL</th>
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Lipoma Pad

Sebaceous Cyst Pad

Ventral Hernias
http://limbsandthings.com/uk/products.php?sectid=GeneralSurgery&id=004x0

Virtual Simulators

Immersion Medical AccuTouch Endoscopy System
This system includes three types of endoscopic procedures: flexible bronchoscopy, upper and lower gastrointestinal flexible endoscopy.
http://www.immersion.com/medical/products/endoscopy/

Anatomic Models

Thin Man anatomic Chart Set

Denoyer-Geppart Larynx and Bronchial Tree
Link to Product Information

Denoyer-Geppart Spine model
Link to Product Information

Heart Model
http://www.armstrongmedical.com/ami/item.cfm?sction=5&sbsection=29&itemid=1294

Brain Model

Skull
http://www.enasco.com/healthcare/ProductDetail.do?sku=SB33945U

Other Simulation Equipment

Laerdal HeartSim 200 Cardiac Rhythm Generator (3 units)

Laerdal HeartSim 2000 Cardiac Rhythm Generator (3 units)
No longer manufactured

Armstrong Medical AA-750 Cardiac Rhythm Generator
12-lead ECG generator
Link to product information
Therapeutic Equipment

**Zoll M Series Biphasic Defibrillator** (2 units)

**Zoll PD 1200 Monophasic Defibrillator** (3 units)

**Zoll PD 1400 Monophasic Defibrillator** (1 unit)

**Zoll AED Plus Trainer** (3 units)

**Laerdal Compact Suction Unit** (3 units)

**Complete LLC (Laparoscopic) Tray**

**Trauma Tray** (2 units)

**Baxter InfusOR Syringe Pump**

**Medfusion 2010i syringe pump**

**Abbott A+ Single Channel IV Pump** (5 units)

**MilCare Crash Carts – Fully stocked** (4 units)

**Olympus Endoscopic Cart**
- CV-100 Control
- CV-200 Control
- CV-U20 Light Source
- BF Type 1T200 Bronchoscope
- CF Type 100L Colonscope

**Dyonics Laparoscopic Cart**
- Vision 3252 Camera unit
- Dyonics 300XL Xenon Light Source

**Assorted Trauma Equipment**
- Long back boards/straps/CIDs
- Cervical collars
- Pediatric immobilization device
- Hare-style traction splint
- Sager traction splint
- Helmets (for removal demonstration)

**Stryker Rugged Ambulance Cot**
Simulation Rooms

Each simulation room features a digital audio-video recording system capable of playback in either the simulation room, the conference room, or the main classroom. A/V system also has the capability to display room activity live in the conference room and the main classroom.

All rooms plumbed with oxygen, medical air, and suction.

Each room features a 37” flat panel plasma monitor for video playback. Monitor can also be used as a secondary patient monitor. Primary patient monitors are wall-mounted (except for OR).

The Laerdal SimMan and SimBaby simulators can be used in any of the simulation rooms

Med/Surg Room –
Two bed standard medical/surgical room with over bed tables and bedside tables. Beds are standard patient beds. Standard CAMC Crash Cart also assigned to room.

Emergency Department –
Two bed emergency department with ED style beds/stretchers. Room is wired to run two simulators at once. Standard CAMC Crash Cart also assigned to room.

ICU Room –
Single bed Intensive Care Unit setting that features a critical care bed. Room also has a ventilator that can be attached to the simulator. Standard CAMC Crash Cart also assigned to room.

Operating Room –
Room features an fully functioning operating room table (manual), instrument tables, Ohmeda Excel 210 anesthesia machine with Ohio 7000 ventilator, and a stocked Blue Bell anesthesia cart.

Pediatric and Obstetrics Room –
Room features three dedicated work spaces: Exam table with stirrups for OB simulator, neonatal care center for infant simulators, and an ED style stretcher for either adult, pediatric, or infant simulators. Standard CAMC Crash Cart also assigned to room.

Other Simulation Center Rooms

Classroom 1 –
- Seats 24 learners
- Podium with computer, DVD capabilities, and Internet access
- Remote presenter for control of PowerPoint slide show
• Ceiling mounted LCD projector.
• Ceiling mounted speaker
• Combination DVD/Video player
• Overhead projector
• Projection screen
• Whiteboard
• Flip chart stand
• Router control panel to select A/V input from any of the 5 simulation rooms

**Classroom 2** –
• Seats 6 learners
• Table space for part-task simulators
• Wall mounted LCD TV with built in DVD player

**Skills Laboratory** –
• Skills practice space
• Primary home for Harvey Cardiopulmonary Assessment simulator

**Conference Room** –
• Seats 8 learners
• 37" flat panel plasma monitor
• Router control panel to select A/V input from any of the 5 simulation rooms
• Separate A/V inputs for laptop computer hookup to plasma panel
• Cable television hookup that includes access to CAMC CCTV system
• VCR/DVD combo unit