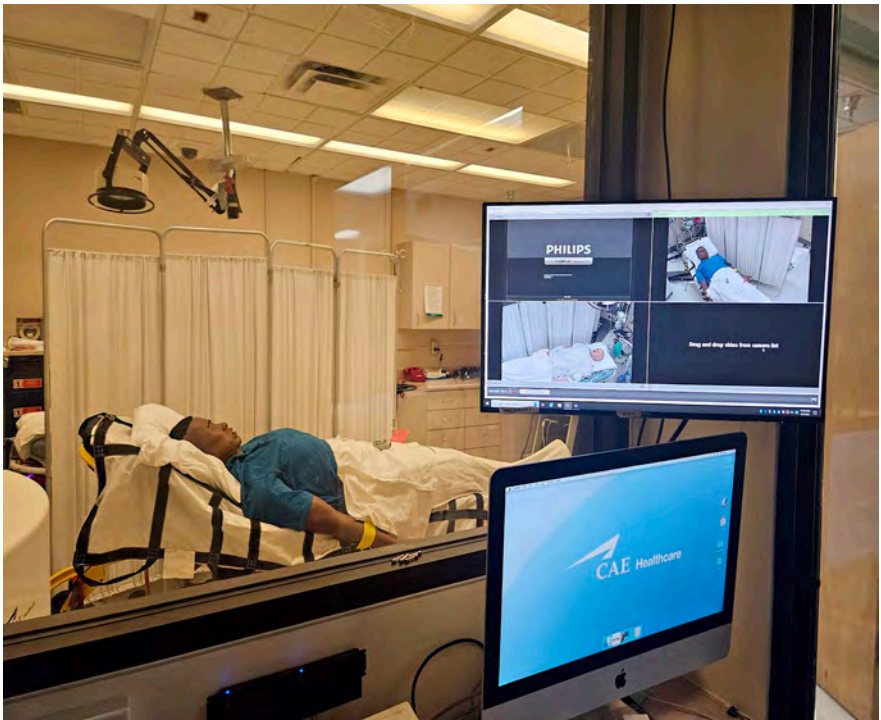




## SCHOOL OF MEDICINE

**BATCAVE Healthcare Simulation Program**  
(Basic and Advanced Training Computer Assisted Virtual Experience)



### BATCAVE Simulation Equipment

The BATCAVE Healthcare Simulation Program provides medical simulations classes using a variety of state-of-the-art simulators, which include Adult Human Patient Simulators, Child Simulators, Infant Simulators, Ultrasound Simulators, and Trauma Simulators.

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# Adult High-Fidelity Simulators



HPS<sup>®</sup> Human Patient Simulator—Stan D. Ardman  
**“Stan”**

**Key Features**

- OR Setting with Anesthesia
- PT Assessment and Treatment Skills
- Advanced Realistic Airway Skills
- Advanced Cardiac Skills
- Height: 5.9 ft; Weight: 75 lbs

For more information, go to the manufacturer’s website:

<https://caehealthcare.com/patient-simulation/hps>



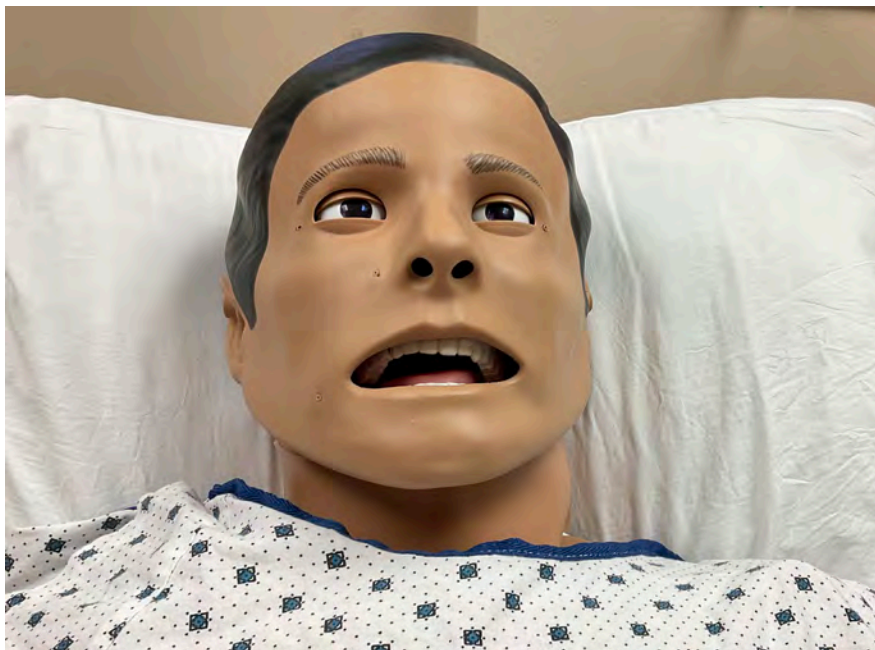
## Leonardo<sup>®</sup> Patient Simulator “Leo”

### Key Features

- Advanced Realistic Airway Skills
- Visual and Tactile Realism
- Lifelike Skin
- Natural Full Articulation
- Palpable Muscles and Bones
- Advanced Proprietary Technologies that Enhance the Fidelity of Bodily Functions
- Quality CPR Feedback
- Height: 5'9 ft.; Weight: 150 lbs

For more information, go to the manufacturer's website:

<https://medvisionsim.com/leonardo>



## SimMan<sup>®</sup> 3G Advanced Patient Simulator **“Sim G”**

### Key Features

- Hospital Room Setting
- PT Assessment and Treatment Skills
- Advanced Realistic Airway Skills
- Advanced Cardiac Skills
- Quality CPR Feedback
- Convulsions
- Height: 5' 9"; Weight: 84.87 lbs

For more information, go to the manufacturer's website:

<http://www.laerdal.com/us/products/simulation-training/emergency-care-trauma/simman-3g/>

# Pediatric High-Fidelity Simulators





## Mia<sup>®</sup> Infant Patient Simulator **“Mia”**

### **Key Features for Mia**

- Accurate Upper Airway
- Wireless and Tetherless
- High-Fidelity Heart, Lung, Bowel Sounds
- Tonic and Clonic Seizures
- Programmable Blinking and Fontanel
- CPR Assessments
- Realistic Sounds
- Pre-Installed Themes, Scenarios and Programs
- Newborn or an Infant
- Height: 21.5”; Weight: 9 lbs

For more information, go to the manufacturer’s website:

<https://medvisionsim.com/mia>



## Pediatric Hal<sup>®</sup> SS225 *“Pediatric Hal”*

### Key Features

- Interactive Eyes and Active Facial Expressions
- Dynamic Lung Compliance with True Ventilator Support
- Real Patient Monitor Support: SpO<sub>2</sub>, EKG, NIBP, Live Pacing, and Defibrillation
- Emergency Intervention: Surgical Airway, Needle Decompression, Chest Tube Insertion
- Wireless and Tetherless
- Height: 44”; Weight: 34.6 lbs

For more information, go to the manufacturer’s website:

<https://www.gaumard.com/s2225/>



Premie HAL<sup>®</sup> S3009  
***“Little”***

**Key Features**

- Advanced Airway and Ventilation
- Advanced Cardiac Rhythms, Rates, and Intensities
- Pulse Sites Including Fontanelle and Umbilicus
- Length: 15.72”; Weight: 2.9 lbs

For more information, go to the manufacturer’s website:

<https://gm-medical.com/wp-content/uploads/2018/03/PremieHAL-S3009-Brochure.pdf>



## SimBaby™ “*SimBaby*”

### Key Features

- Hospital Room Setting
- Airway Skills
- Pulmonary Skills
- Cardiovascular Skills
- Seizures; Convulsions
- Simulated Patient Monitor
- Length: 28”; Weight: 10.8 lbs

For more information, go to the manufacturer’s website:

<http://www.laerdal.com/us/products/simulation-training/obstetrics-pediatrics/simbaby/>



## SimNewB<sup>®</sup> Neonate “**SimNewB**”

### Key Features

- Hospital Room Setting
- Airway Skills
- Pulmonary Skills
- Cardiovascular Skills
- Length: 21”; Weight: 7 lbs

For more information, go to the manufacturer’s website:

<http://www.laerdal.com/us/products/simulation-training/obstetrics-pediatrics/simnewb/>

# Adult Mid-Fidelity Simulators



## Basic Lucy® with Baby “*Lucy*”

### Key Features

- Basic and Simple Deliveries
- Height: 5' 6"; Weight: 35 lbs
- Lendable to Units at UNMH

For more information, go to the manufacturer's website:

[https://www.3bscientific.com/us/basic-lucy-emotionally-engaging-birthing-simulation-1021721-lifeform-lf00042,p\\_1453\\_30131.html](https://www.3bscientific.com/us/basic-lucy-emotionally-engaging-birthing-simulation-1021721-lifeform-lf00042,p_1453_30131.html)



## MegaCode Kelly™ Advanced **“Kelly”**

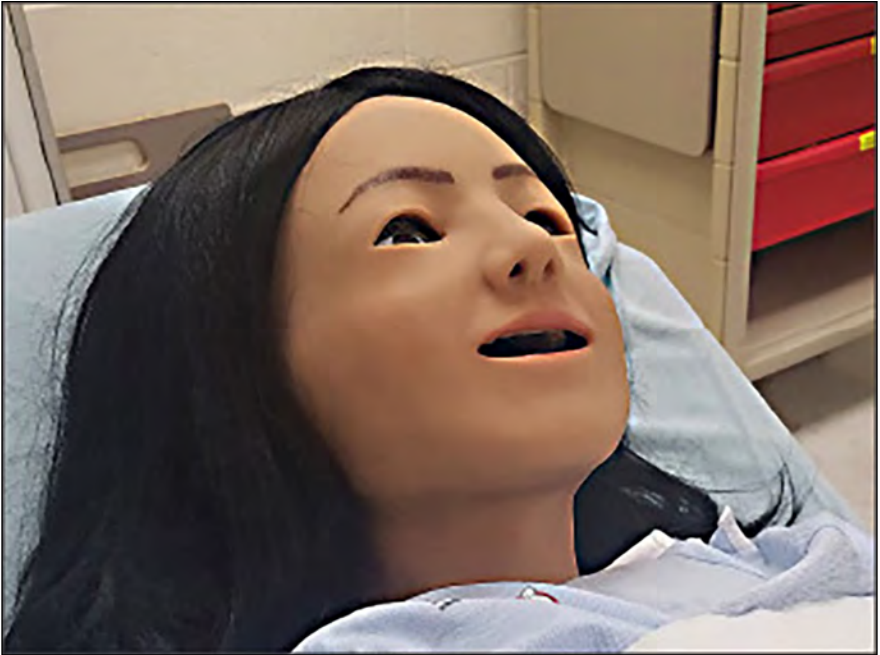
### Key Features

- ACLS Mock Code Scenarios
- Airway/Breathing Adjuncts
- Defibrillator Safe
- Height: 5' 7"; Weight: 70 lbs

For more information, go to the manufacturer's website:

<http://www.laerdal.com/us/MegaCodeKelly>





Nursing Anne Simulator  
***“Nursing Anne”***

**Key Features**

- Core Nursing Competencies
- Palpation Anatomical Landmarks
- Realistic Articulation
- Height: 5.5 ft; Weight: 70 lbs

For more information, go to the manufacturer’s website:

<https://www.laerdal.com/us/products/simulation-training/nursing/nursing-anne-simulator/>

# Pediatric Mid-Fidelity Simulators



MegaCode Kid  
***“Junior”***

**Key Features**

- PALS Mock Code Scenarios
- Airway/Breathing Adjuncts
- Defibrillator Safe
- Height: 3' 8"; Weight: 20 lbs

For more information, go to the manufacturer's website:

<https://laerdal.com/us/products/simulation--training/emergency-care-trauma/megacode-kid/>

# Ultrasound Simulator and Equipment



## da Vinci™ Surgical System “*da Vinci*”

### Key Features

- Magnified Vision System that Gives Surgeons a 3D HD View Inside the Patient’s Body
- Ergonomically Designed Console where the Surgeon sits while Operating
- Wristed instruments that Bend and Rotate far Greater than the Human Hand

For more information, go to the manufacturer’s website:  
<https://www.intuitive.com/en-us/patients/da-vinci-robotic-surgery>



## GI-BRONCH Mentor™ System **“Bronch”**

### Key Features

- Covers the Full Extent of Gastrointestinal Procedures
- Testing for Upper and Lower Endoscopic Procedures

For more information, go to the manufacturer’s website:

[https://surgicalscience.com/simulators/gi-bronch-mentor/?gad\\_&gclid=EAlaQobChMIhYqI2tDjhgMVOjbUAR1IlwGoEAAAYASAAEgLxWPD\\_BwE](https://surgicalscience.com/simulators/gi-bronch-mentor/?gad_&gclid=EAlaQobChMIhYqI2tDjhgMVOjbUAR1IlwGoEAAAYASAAEgLxWPD_BwE)



## Vimedix™ Cardiac Echo Simulator **“Bob”**

### Key Features

- Transesophageal Echo (TEE)
- Transthoracic Echo (TTE)
- Real-Time Ultrasound Imaging
- Normal and Pathology Cases

For more information, go to the manufacturer’s website:

<https://caehealthcare.com/ultrasound-simulation/vimedix>

# Trainers and Models



## Trainers and Models – Airway



### AMBU® Airway Management Trainer

*For teaching intubation techniques with all known tubes and supraglottic airway devices.*



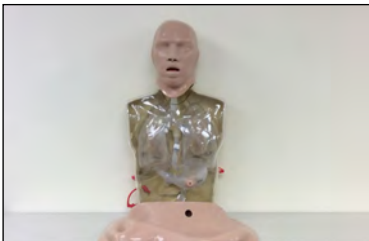
### Laerdal Adult Airway Management Trainer with Board

*For practicing intubation, ventilation, and suction techniques.*



### Laerdal Infant Airway Trainer Head

*For practicing the specialized skills required for infant airway management.*



### Nasco CorMan® Adult Nasogastric/Nasojejunal Feeding Trainer

*For training in nasogastric and nasojejunal feed tube and gastrostomy device placement in adults.*

## Trainers and Models – Airway



### Nasco Gastric Intubation Teaching Model "Thin Man"

*For demonstrating the common hospital procedure of inserting a feeding tube.*



### Nasco Life Form Child Airway Management Trainer

*For practicing the specialized skills required for child airway management.*



### Prestan® Adult Airway Management Trainer

*For cardio pulmonary resuscitation (CPR), abdominal thrusts, and ventilations.*



### Prestan® Infant Airway Management Manikin

*For cardio pulmonary resuscitation (CPR), back blows, and ventilations.*

## Trainers and Models - Assessment



### Cardionics SAM, The Student Auscultation Manikin

*Anatomically correct auscultation sites, heart, lung, bowel, and bruit sounds library. May be used for classroom and self-study.*



### Cardionics CardioSim™ VII Teaching Simulator

*Real heart sound library, wave format animation.*

# Trainers and Models – Injection



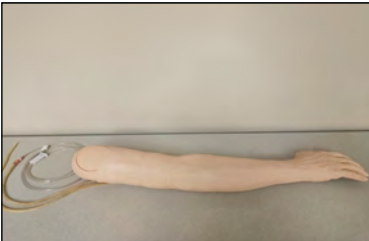
Limbs & Things Elbow Joint Injection Model

*For practicing elbow joint injections.*



Limbs & Things Hand & Wrist Model

*For practicing soft tissue joint injections.*



Limbs & Things IV Phlebotomy Arm

*For practicing intravenous (IV) injections and phlebotomy skills.*



Limbs & Things Knee Injection Model

*For practicing knee joint injections.*

## Trainers and Models – Injection



### Limbs & Things Shoulder Injection Model

*For practicing shoulder joint injections.*



### Nasco IV Arm Portable (Dark Skin Tone)

*For practicing IV therapy and intramuscular injections.*



### Nasco IV Arm Portable (Light Skin Tone)

*For practicing intravenous (IV) injections and phlebotomy skills.*

## Trainers and Models – Ultrasound-Guided



CAE Blue Phantom™  
Female Pelvic Training  
Model

*For Obstetrics and Gynecology  
ultrasound imaging and procedures.*



CAE Blue Phantom™  
Paracentesis Ultrasound  
Training Model

*For ultrasound-guided paracentesis  
procedures.*



CAE Blue Phantom™  
Thoracentesis Ultrasound  
Training Model

*For ultrasound-guided  
thoracentesis procedures.*



CAE Blue Phantom™  
Ultrasound CentralLineMan®  
Model

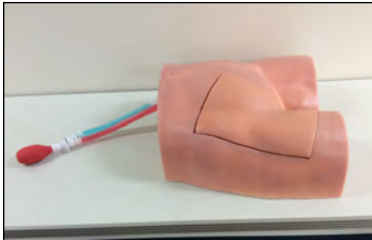
*For central line placement.*

## Trainers and Models – Ultrasound-Guided



### CAE Branched 2 Vessel and Branched 4 Vessel

*For practicing ultrasound guided venous access and arterial access procedures.*



### CAE FemoraLineMan System

*For femoral line placement.*



### CAE Gen II PICC, IV & Arterial Line Vascular Access Ultrasound Trainer

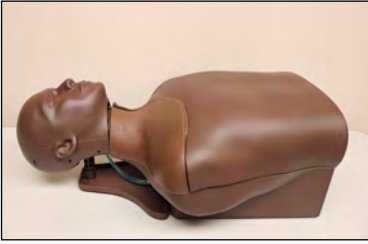
*For practicing peripherally inserted central catheter.*



### Simulab CentralLineMan

*For central access training both landmark based and US guided.*

# Trainers and Models – Ultrasound-Guided



## Simulab CentralLineMan Pro

*For central access training both landmark based and US guided.*



## Simulab Lumbar Puncture (Adult Model)

*For the practice of placing adult LP needles.*



## Simulab Lumbar Puncture (Infant Model)

*For ultrasound or blind technique lumbar puncture training.*



## Simulab PICCLineMan

*For vein isolation and selection.*



## Trainers and Models - Ultrasound-Guided



### Sonosim Ultrasound Trainer

*For providing unlimited ultrasound scanning practice.*

## Trainers and Models – Ultrasound Machines



SonoSite M-Turbo  
Ultrasound 05GGH2

*For use with Ultrasound-guided  
trainers and models.*



SonoSite M-Turbo  
Ultrasound WK2DT2

*For use with Ultrasound-guided  
trainers and models.*

## Trainers and Models – Ultrasound Machines



SonoSite M-Turbo  
Ultrasound WK358T

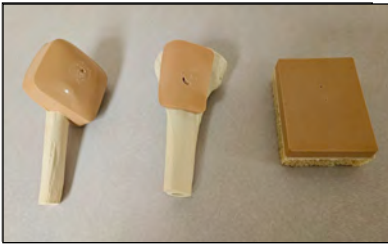
*For use with Ultrasound-guided  
trainers and models.*



SonoSite Micro Maxx  
Ultrasound

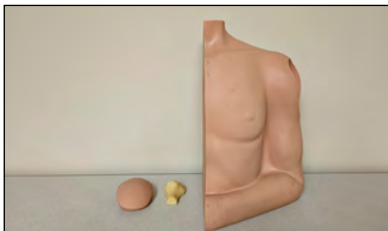
*For use with Ultrasound-guided  
trainers and models.*

## Trainers and Models – Miscellaneous



### Arrow® EZIO® Bones - Adult

*For use with the Arrow® EZIO® System.*



### Arrow® EZIO® Shoulder

*For correctly identifying the proximal humerus insertion site, arm position, and needle angle.*



### Arrow® EZIO® System

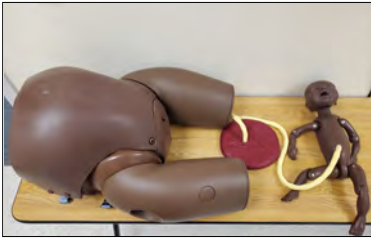
*For intraosseous access anytime vascular access is difficult to obtain in emergent, urgent or medically necessary cases for up to 24 hours.*



### Life/form Infant Intraosseous Infusion (IO) Legs Model

*For the practice of IO insertion in pediatric tibias.*

## Trainers and Models – Miscellaneous



### Limbs & Things Birthing Simulator (Dark Skin Tone)

*For use in multiple training scenarios with an anatomically correct model of a mother & baby.*



### Limbs & Things Birthing Simulator (Light Skin Tone)

*For multiple training scenarios with an anatomically correct model of a mother & baby.*



### Limbs & Things Catheterization Trainer Interchangeable Male and Female

*For catheterization training.*



### Limbs & Things Clinical Female Pelvic Trainer with 6 Inserts (Dark Skin Tone)

*For hands-on examination as well as diagnosis of female conditions and minor pathologies.*

## Trainers and Models – Miscellaneous



### Limbs & Things Clinical Female Pelvic Trainer with 6 Inserts (Light Skin Tone)

*For hands-on examination and diagnosis and training skills.*



### Medronic FLS Trainer

*For laparoscopic surgery skills.*



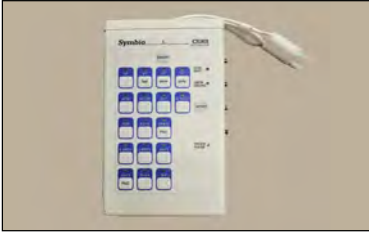
### Simulab TraumaMan

*For cricothyroidotomy, percutaneous tracheostomy, needle decompression, pericardiocentesis, chest tube insertion, diagnostic peritoneal lavage, and surgical procedures.*



### Stryker LUCAS® 3, 3.0 Trainer

*For chest compressions to improve blood flow in victims of cardiac arrest.*



## Symbio Rhythm Generator

*For providing relevant heart rhythms for ECG interpretation, and safe, interactive operation of defibrillators and external pacers.*