Simulation Resources Catalog

SCHOOL OF MEDICINE
Case Western Reserve
UNIVERSITY

MT. SINAI SKILLS AND
SIMULATION CENTER

Human Patient Simulators	Name	Description	Qty.
	"iStan" Simulator	iStan features: • Realistic skin that is ruggedized for use in every kind of learning environment, whether it's in the classroom or a disaster drill in the field. • Reactive eyes fully providing both consensual and independent, automatic pupillary response to light and trauma. • Rugged airway built to withstand all the rigors associated with practicing proper airway management. • Quiet operation, low–noise system lets you hear patient sounds in your simulation environment while the patient is breathing. CAE Healthcare	1
	"METIman" Simulator	METIman Features: • Reactive eyes with automatic consensual pupillary response to light. • Airway Management, break away teeth, breathing • Trachea, bilateral carotid pulse • Bilateral chest movement • Chest compressions ,ECG, pacing, defibrillation • Bilateral brachial, radial , femoral pulse & Bilateral IV port, vascular access Clinical signs and interventions include nasal and endotracheal intubation, laryngospasm, tracheostomy, cricothyrotomy, chest compressions, defibrillation, pacing, chest tube with fluid output and needle thoracentesis bilaterally. CAE Healthcare	1

| | Lucina Maternal/Fetal Simulator | Lucina Features:
• Wireless Hybrid solution for both obstetrical patient management training and non-gravid, female patient care education
• Realistic palpable uterine contractions
• Reliable birthing mechanism supporting automatic descent, crowning and rotation of the fetus.
• Integrated maternal-fetal physiological modeling
• Maternal aesthetics built from real patient measurements
• Realistic and consistent birth canal
• Accurate fetal descent and rotation
• Multiple birthing positions: lithotomy, sitting and all fours
• Rectal suppository administration and epidural port with infusion and aspiration
• C-section team training support
• Postpartum hemorrhaging, including Class III hemorrhage
• Contracted and boggy uterus

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| | Sim Junior | SimJunior represents a 6-year-old boy that simulates a wide range of conditions from a healthy, talking child to an unresponsive, critical patient with no vital signs.

SimJunior allows learners to focus on a broad range of pediatric skills in order to gain exposure and practical experience of life-threatening pediatric problems.

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	"Ryan" BabySIM Simulator	The BabySIM makes it possible to prepare learners for interaction with infants in a safe, realistic learning environment. Intricate details such as realistic touch and feel clinched fists and a loving layer of baby fat help create an appropriate representation of a three- to six-month old infant. BabySIM can be used to learn critical care interventions such as infant CPR, airway management, drug administration and defibrillation, to name a few—can be practiced on the simulator, better preparing healthcare professionals for critical events involving infants. CAE Healthcare	1
	Vimedix	VIMEDIX is a stunning 3D augmented reality display with high resolution, color display that provides an extraordinary view of what's behind the scenes in ultrasound scanning. Vivid, lifelike anatomy is a reference image that works in unison with a traditional 2D ultrasound image, giving learners a clear cut view of probe positioning in relation to anatomy. VIMEDIX supports the following on one platform: transthoracic echocardiography (TTE), transesophogeal echocardiography (TEE) and abdominal/pelvic scanning, including Focused Assessment with Sonography for Trauma (FAST). Trainees can practice ultrasound techniques independently while the software provides real time assessments and feedback. The extensive pathology library makes VIMEDIX the most comprehensive training tool for ultrasound imaging in multiple specialties. CAE Healthcare	1