SimMan 3G

Airway Features:
- Controllable open/close airway
- Jaw Thrust w/ articulated jaw
- Bag-mask ventilation
- Orotracheal Intubation
- Nasotracheal Intubation
- Cricothyrotomy
- Variable lung compliance – 4 settings
- Unilateral & Bilateral chest movement
- Unilateral, Bilateral & lobar breath sounds
- Chest tube insertion –Bilateral
- Variable airway resistance – 4 settings
- Right main stem intubation
- Stomach distention

Airway Complications:
- Detection of proper head position
- Can’t Intubate/Can ventilate
- Can’t Intubate/Can’t Ventilate
- Tongue Edema
- Pharyngeal swelling
- Laryngospasm
- Decreased cervical range of motion
- Trismus

Breathing Features:
- Simulated spontaneous breathing
- Normal and abnormal breath sounds – 5 anterior auscultation sites, 6- posterior auscultation sites
- Cyanosis
**Cardiac Features:**
- Extensive ECG library
- Heart Sounds – four anterior locations
- ECG Rhythm monitoring (4wire)
- 12 lead ECG display
- Defibrillation and cardioversion
- Pacing

**Circulation Features:**
- Carotid, femoral, brachial, radial, dorsalis pedis, popliteal and posterior tibialis pulses synchronized with ECG
- Pulse strength variable with BP

**Vascular Access:**
- IV Access
- Intraosseous access

**CPR:**
- CPR compressions generate palpable pulses, blood pressure wave form, and ECG artifacts
- Real time feedback on quality of CPR

**Eyes:**
- Open, closed and partially closed, blinking
- Pupillary accommodations: synchrony/asyncrony, normal and sluggish speed of response

**Other Features:**
- Seizures
- Foley Catheterization
- Secretions: Eyes, ears, nose, mouth, Blood, Mucous, CSF Etc.
- Diaphoresis
- Bowel Sounds – four quadrants
- Patient Voice: prerecorded sounds

**Patient Monitor:**
- Includes: ECG (2 traces), SpO2, CO2, ABP, CVP, PAP, PCWP, NIBP, TOF, Cardiac output, Temperature (core & peripheral), additional and programmable parameters
- 12 lead ECG Display
- Custom Image Display
SimJunior

SimJunior Features:

- Realistic airway for simulation of difficult airway management, oral, and nasal intubation.
- Observable breathing, bag-mask ventilation
- Cardiac features, including defibrillation and cardioversion.
- Eyes with interchangeable pupils (normal, dilated and constricted)
- Convulsions to simulate seizures
- Chest compressions
- Vascular access, IV and IO

Breathing Features:

- Bilateral chest rise and fall with spontaneous breathing.
- Unilateral chest rise and fall with right mainstem intubation during ventilations
- Unilateral and bilateral lung sounds
- Normal and abnormal breath sounds
- Variable respiration rate

Cardiac Features:

- Extensive ECG library
- Heart sounds – anterior location
- ECG rhythm monitoring (4-connector, 3-lead ECG)
- 12-lead ECG display
- Pacing
- Defibrillation and cardioversion using live defibrillators

Circulatory Features:

- Carotid, brachial and radial pulse
- Pulse strength variable with BP

CPR Features:

- Compressions generate palpable pulses, blood pressure wave and ECG Artifacts
- Detection of depth and rate of compressions
SimBaby

Normal and Difficult Airway:

- Airway opening acquired by head tilt, chin lift, and jaw thrust
- Bag-Valve-Mask ventilation
- Orotracheal and Nasotracheal intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance
- Tongue edema
- Laryngospasm
- Pharyngeal swelling
- Right mainstem intubation
- Gastric distention

Pulmonary System:

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- Oxygen saturation
- See-saw respiration
- Retractions
- Unilateral needle thoracentesis mid clavicular
- Unilateral chest tube insertion

Cardiovascular System:

- Extensive ECG library
- CPR compressions generate palpable pulses, blood pressure waveform, and generate artifacts on ECG
- Heart sounds: Normal, systolic murmur, holosystolic murmur, diastolic murmur, continuous murmur and gallop
- Blood pressure: Unilateral radial and brachial pulse and bilateral femoral pulses
- Pulse strength variable with BP
- Display of cardiac rhythms via 3-lead ECG monitoring
- 12-lead dynamic ECG display
- Live defibrillation, pacing and cardioversion
**Vascular Access:**

- Venous access antecubital fossae, dorsum of the hand and long saphenous vein
- Intraosseous (IO) insertion – bilateral

**Other Features:**

- Interchangeable eyes with normal, constricted and blown (dilated) pupils
- Fontanel can presents as normal, sunken, or bulging
- Torso motion
- Vocal sounds: crying, content, coughing, hiccup
MegaCode Kelly

**Airway Management Skills:**
- Endotracheal intubation
- Oropharyngeal airway insertion
- Nasopharyngeal airway insertion
- Bag Valve Mask
- Surgical cricothyrotomy
- Needle cricothyrotomy
- Suctioning techniques
- Stomach auscultation to verify proper airway positioning

**Drug Administration:**
- Subcutaneous and intramuscular injections

**Tension Pneumothorax Decompression:**
- Bilateral mid-clavicular sites
- Mid-axillary site (Right)

**Chest Tube Insertion:**
- Mid-axillary site (Left)

**Cardiac Related Skills:**
- Defibrillation Capabilities

**Circulatory Skills:**
- Bilateral carotid pulse

**Sounds and Speech:**
- 13 different heart sounds
- 8 different lung sounds
- 5 bowel sounds
- 9 preprogrammed vocal sounds
MegaCode Kid

**Airway Features:**
- Intubation
- Ventilation with bag-valve-mask
- Oral/Nasal airway insertion
- Right mainstem intubation
- Sellick maneuver
- Stomach auscultation to verify proper positioning
- Auscultation of lung sounds
- Needle chest decompression

**Circulation:**
- Instructor controlled ECG rhythm
- ECG Monitoring
- Adjustable heart rate
- Defibrillation (manual/automatic)
- Auto conversion of ECG w/ defibrillation
- Defibrillation sensors
- Auscultation of heart sounds
- Pacing
- Manual carotid pulses (Pulse bulb)

**Drug Administration:**
- IM Injections
- IV/IO Insertion

**Gastrointestinal:**
- Auscultation of bowel sounds – normal/abnormal
MamaNatalie Birthing Simulator

MamaNatalie birthing simulator that comes with NeoNatalie helps you create realistic training scenarios easily. It has been designed to facilitate an engaging role play that will make the learning sessions memorable and efficient.

ALS Baby

The realistic skill trainer for practicing training in infant emergencies.
Nita Newborn

Comprehensive vascular access training in a newborn manikin

Canadian Red Cross AED Trainer

The Canadian Red Cross AED Trainer is an affordable AED training equipment solution for Canadian Red Cross first aid, water safety and lifeguard trainers. Meets the latest First Aid & CPR International Guidelines (2010).
CRiSis Manikin Torso With Advanced Airway Management

This compact, easy-to-transport manikin is designed for teaching individuals or groups lifesaving techniques. It offers multiple ACLS training capabilities in one manikin, combining skills stations to make training more realistic. This manikin is ideal for ACLS, nursing, paramedic, and EMT training at every level. Allows for practice of CPR, defibrillation, airway management with laryngospasms and tongue edema, ECG monitoring, and more.

Obstetrical Manikin - Light

An anatomically correct pelvic model with full term newborn and placenta to give your trainees realistic practice in multiple techniques, and to learn the procedure for emergency childbirth. Disposable umbilical cords with clamps, easily replaced extra vulva, powder to make simulated blood, a modular pregnant belly overlay with permanently installed fetus for training practice of Leopold’s maneuver to determine the fetus’ lie by palpating its skull and kneecaps, and a clear abdominal overlay to see positioning are all included.
Economically priced and designed for instruction of CPR, these pediatric manikins feature lightweight, rugged, foam filled bodies, personal use channel mouth/nosepieces for each student, and disposable airways with nonrebreathing valves. Landmarks include nipples, xiphoid process, and substernal notch.