SIMBABY

The advanced baby simulator for training in infant emergencies.

FEATURES:

Normal & Difficult Airway:
- Airway opening acquired by head tilt, chin lift and jaw trust
- Oropharyngeal and nasopharyngeal airways
- Bag-Valve-Mask ventilation
- Orotracheal and Nasotracheal intubation
- Sellick Maneuver
- LMA insertion
- Endotracheal tube insertion
- Fiberoptic intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance
- Tongue edema
- Laryngospasm
- Pharyngeal swelling
- Decreased lung compliance
- Right main stem intubation
- Gastric distention

Pulmonary System:
- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- CO2 exhalation
- Normal and abnormal breath sounds – bilateral
- Lung Sounds: Normal, course crackles, fine crackles, stridor, wheezes and rhonchi
- Oxygen saturation
- See-saw respiration
- Retractions
- Pneumothorax
- Unilateral chest movement
- Unilateral breath sounds
- Unilateral needle thoracentesis mid-clavicular
- Unilateral chest tube insertion

**Cardiovascular System:**
- Extensive ECG library with rate from 20-360
- 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 (BP) measured manually by auscultation of Korotkoff sounds
- Pulses: Unilateral radial and brachial pulse and bilateral femoral pulses synchronized with ECG
- 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
- IV bolus and infusion
- Simulated blood flashback upon venous cannulation

**Other features:**
- Interchangeable eyes with normal, constricted and blown (dilated) pupils
- Fontanel can present as normal, sunken, or bulging
- Torso motion
- Vocal Sounds: Crying, content, coughing, and hiccup