SimBaby™ Specs

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 mainstem intubation
- Gastric distention

Pulmonary System

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- CO_2 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

Simulated Patient Monitor

- Highly configurable patient monitor
- Simulate several parameters including: ECG, SpO2, CO2, ABP, CVP, PAP, NIBP, TOF, and others
- Multimedia capability: Radiology files, Media files, Lab results
- Touch screen operation
- Multi-level alarm

Software Features

- Easy to operate software
- Manual control over all parameters
- Scenarios, including Trends and Handlers, can be pre-programmed by user or downloaded on SimStore
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video