Infant emergencies made real!

SimBaby™

The Laerdal SimBaby offers you the ability to provide simulation education to challenge and test your learners’ critical thinking and clinical decision-making skills during realistic scenarios.

The SimBaby simulator has realistic anatomy and clinical functionality, and includes software with video-debriefing capability and PDA remote control functionality.
Airway Features
- Airway opening acquired by head tilt, chin lift and jaw thrust
- Suctioning, practicing the motions of suctioning
- Oropharyngeal and nasopharyngeal airways
- Bag-Valve-Mask ventilation
- Oro- and nasotracheal intubation
- Sellick Maneuver
- LMA insertion
- Fiberoptic intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance

Airway Complications
- Tongue edema
- Laryngospasm
- Pharyngeal swelling
- Right mainstem intubation
- Gastric distention

Breathing Features
- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- CO₂ exhalation
- Normal and abnormal breath sounds – bilateral
- Oxygen saturation

Breathing Complications
- See-saw respiration
- Retractions
- Pneumothorax
- Unilateral chest movement
- Unilateral breath sounds
- Unilateral needle thoracentesis mid-clavicular
- Unilateral chest tube insertion

Cardiac
- Extensive ECG library with rate from 20-360
- CPR compressions generate palpable pulses, blood pressure waveform, and generates artifacts on ECG

Circulation Features
- Blood pressure (BP) measured manually by auscultation of Korotkoff sounds
- Radial, brachial and femoral pulses synchronized with ECG
- Pulse strength variable with BP
- Heart sounds
- Reading of cardiac rhythms via 4-connector 3-lead ECG monitoring
- 12-lead dynamic ECG display
- Defibrillation and cardioversion

Vascular Access
- Venous access antecubital fossae, dorsum of the hand and long saphenous vein
- Intraosseous insertion – bilateral
- IV bolus and infusion
- Simulated blood flashback upon venous cannulation

Sounds
Vocal: Crying, coughing, hiccup and other
Lung: Normal, crackles, stridor, wheezes and other
Heart: Normal, diastolic murmur, systolic murmur and other

Software Features
- Easy to operate software based on well proven SimMan® software concept
- Manual control over all parameters
- Scenario, including Trend and Handlers, preprogrammed by user

Debriefing Viewer
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

- Stand alone debrief viewer for off-site review

Simulated Patient Monitor
- Highly configurable
- Simulate several parameters including ECG (2 traces), SpO₂, CO₂, ABP, CVP, PAP, PCWP, NIBP, TOF, Cardiac output and other
- Viewable X-rays and snapshot of 12-lead ECG
- Touch screen operation
- Multi-level alarm

Remote Control
- PDA as remote communicates through software via Bluetooth
- Easy-to-use software similar to PC user interface

Other Features
- Interchangeable eyes with normal, constricted and blown (dilated) pupils
- Distendable fontanel
- Torso motion

Optional Accessories

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Laptop Specification
Recommended Processor:
- Pentium M, min 1.8 GHz or Pentium 4, 2.6 GHz

HDD: 60 GB min.

RAM: 512 MB min.

System:
- Win XP Pro

Screen:
- VGA output, min. 1280 x 1024

Mouse:
- Mouse with 2 buttons and 1 clickable wheel

Other:
- CD-RW, RS--232 (serial port), 2-4 USB ports
- Microphone input, Headphone output
- Internal Bluetooth
- Built-in Ethernet LAN
- Built-in Wireless Network 802.11 b/g

For more information, please visit www.laerdal.com