SimBaby

Improving critical care for pediatric patients

SimBaby is a tetherless simulator designed to help healthcare providers effectively recognize and respond to critically ill pediatric patients. The SimBaby simulator represents a 9-month-old pediatric patient and provides a highly realistic manikin that meets specific learning objectives focusing on initial assessment and treatment.
Normal & Difficult Airway
• Airway opening acquired by head tilt, chin lift and jaw thrust
• Oropharyngeal and nasopharyngeal airways
• Bag-Valve-Mask ventilation
• Orotracheal and nasotracheal intubation
• Cricoid pressure / Laryngeal manipulation
• LMA insertion
• Endotracheal tube insertion
• Variable lung compliance
• Variable airway resistance
• Tongue edema
• Laryngospasm
• Pharyngeal swelling
• Right mainstem intubation
• Gastric distention

Cardiovascular System
• Extensive ECG library with rate from 20-360
• QCPR
• 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) simulated on patient monitor
• Pulses: Bilateral femoral and brachial
• Pulse strength variable with BP
• Display of cardiac rhythms via 4-lead ECG monitoring
• 12-lead dynamic ECG display
• Live defibrillation, pacing, and cardioversion using Shocklink and training pads
• Anterior and posterior defibrillation pad placement

Vascular Access
• Venous access antecubital fossae, dorsum of the hand and long saphenous vein
• Bilateral IO/IV insertion legs
• IV bolus and infusion

Other Features
• Seizures: Head and arms
• Reactive eyes - Normal, constricted and blown (dilated) pupils
• Capillary refill - Left hand and sternum
• Fontanelle - normal and bulging
• Moving arms: limp, tone, spontaneous motion
• Vocal Sounds: Crying, content, coughing, and hiccups
• Liver palpation
• Cyanosis

Simulated Patient Monitor
• Highly configurable patient monitor
• Simulate several parameters including: ECG, SpO2, CO2, ABP, PAP, NIBP, TOF, and others
• Multimedia capability: Radiology files, Media files, Lab results
• Touchscreen operation

Software Features
• Easy to operate software (LLEAP)
• Manual control over all parameters
• Web-camera recording
• Review event log together with synchronized recording of patient monitor and in-room video

Ordering Information
246-00050 / 00150 / 00250  SimBaby (Light / Medium / Dark)

Includes
• SimBaby
• Clothing set
• AC Charger with regional power cables
• Consumable replacements for IV, IO, and needle decompression
• Airway lubricant
• Silicon tape
• Drainage bags for IV and IO
• LAN cable and connector
• 60ml syringe
• User guide and Important Product Information
• 4 generic scenarios

For more information, visit www.laerdal.com