Improving critical care for pediatric patients

Introducing the New SimBaby™

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 allows learners to practice early assessment, diagnosis and treatment to help improve pediatric patient outcomes.
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
• 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
• Normal and abnormal breath sounds
  - bilateral, anterior and posterior
• Lung Sounds: Normal, fine crackles, stridor, wheezes and ronchi

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, dia-stolic 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 3-lead ECG monitoring
• 12-lead dynamic ECG display
• Defibrillation and cardioversion using live shock with training pads - ShockLink

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
• Reactive/blinking eyes: Normal, constricted and blown (dilated) pupils
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• Capillary refill - Left hand and sternum
• Fontanelle can present as normal, or bulging
• Arm motion
• Vocal Sounds: Crying, content, coughing, and hiccup
• Liver palpation

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

ORDERING INFORMATION
246-00050 SimBaby (light) - Manikin Only
246-00150 SimBaby (medium) - Manikin Only
246-00250 SimBaby (dark) - Manikin Only

OPERATION AND PATIENT MONITORING OPTIONS
204-30101 SimPad PLUS only (handheld remote)
204-50150 LLEAP for SimPad PLUS Software License
400-10201 Laptop Instructor – Patient Monitor
400-09201 Tablet – PC Instructor – Patient Monitor
400-09501 Rugged Tablet Instructor – Patient Monitor
400-29301 All in One Panel PC Instructor – Patient Monitor
400-01050 LLEAP Software License

EDUCATIONAL SERVICES:
246-EDGS100 Getting Started with SimBaby Simulator
210-EDSP400 Teaching with SimPad
210-EDLL400 Teaching with LLEAP

TECHNICAL SERVICES:
204-30001PP SimPad PLUS Protection Plan
246-83050 SimBaby Simulator Install
246-00050PMC Preventive Maintenance, Customer Site
246-00050PMR Preventive Maintenance, Return to Bench

For additional Service options please contact your local Laerdal Representative
For more information about SimBaby, visit www.laerdal.com/SimBaby

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