Improving critical care for pediatric patients

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 patient that allows learners to practice early assessment, diagnosis and treatment to help improve pediatric patient outcomes.

SimBaby™

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 rhonchi
- Oxygen saturation
- See-saw respiration
- Retractions
- Pneumothorax
- Unilateral breath sounds
- Unilateral needle thoracentesis midclavicular
- 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) simulated on patient montior
- 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

Patient Monitor
- Touchscreen simulated patient monitor provides concise clinical feedback for physiological parameters
- Simulated parameters for SimPad and SimPad PLUS operation: ECG, etCO2, HR, SpO2, BP, RR, and Temperature
- LLEAP operation provides additional simulated parameters including CO2, CVP, ICP, anesthetic agent, TOF, cardiac output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video

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

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

ORDERING INFORMATION

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

Includes: SimBaby Manikin, IO Lower Left Leg (2), IO Lower Right Leg (2), Kind Removal Tape, 60ml Syringe, Airway Lubricant, Power Supply, Power Cords (4), IPI, Self Sealing Cap (5), Chest Drain Skin (5), Drain Bag IV/IO (2), IO Leg Sealing Tape, Chest Drain Ribs, IV Port Seal (20), and Laerdal Global Warranty
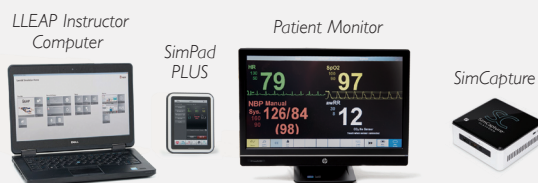
ACCESSORIES

420-11955	ASL5000 Lung Solution
185-20050	ShockLink
246-88050-L	SimBaby Trachestomy Upgrade - Light
246-88050-M	SimBaby Trachestomy Upgrade - Medium
246-88050-D	SimBaby Trachestomy Upgrade - Dark
405-00150	VitalsBridge 100
405-00250	VitalsBridge 200
405-00350	VitalsBridge 300

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

Operation

SimBaby can be operated by a SimPad/SimPad® PLUS remote or a LLEAP instructor computer and can utilize a simulated patient monitor. Incorporate SimCapture for a complete debriefing solution.

LLEAP Instructor Computer *SimPad PLUS* *Patient Monitor* *SimCapture*

Optimize Your Investment

Our team of educators and service technicians have years of industry related experience that can help you successfully implement and sustain your simulation program. We're here to help you get the most out of your simulation training with support when and where you need it. From comprehensive long-term packages to a full range of individual solutions you may choose from:

- ValuePlus Technical Services Packages
- Educational Pathway Education Services Packages
- On-site technical services
- eLearning courses
- Virtual courses
- On-site educational courses
- Blended learning workshops
- Help Desk phone and email support
- Self-guided how-to video library

For more information visit Laerdal.com/SimBaby

Laerdal®
helping save lives