Exceptional training

Improving neonatal outcomes

Introducing the new SimNewB®

SimNewB is a newborn tetherless simulator developed in collaboration with the American Academy of Pediatrics to meet the specific learning objectives of the Neonatal Resuscitation Program (NRP®).

Focusing on the first 10 minutes of life, SimNewB provides realistic training for resuscitation and stabilization techniques, allowing learners to master the necessary skills of airway management and team communication to effectively manage critical events.
Airway
• Anatomically accurate, realistic airway
• Oral and nasal ET tube insertion
• Sellick maneuver
• Positive-pressure ventilation
• Right mainstem intubation
• Suctioning
• Variable lung resistance
• Gastric tube insertion

Breathing/Respirations
• Spontaneous breathing, with variable rate
• Bilateral and unilateral chest rise and fall with mechanical ventilation
• Normal and abnormal breath sounds
• Simulated oxygen saturation
• Breathing complications
• Pneumothorax
• Unilateral chest movement with mechanical ventilation
• Unilateral breath sounds
• Unilateral needle thoracentesis, mid-axillary

Cardiovascular System
• Extensive ECG Library with rates from 10 - 300 bpm
• Simulated ECG monitoring via 3-lead monitor
• Heart Sounds
• Palpable umbilical pulse
• Bilateral brachial pulse
• Central cyanosis

Debriefing
• Web-camera recording (SessionViewer PC)
• Debrief event log

Vascular Access
• Patent, cuttable umbilicus with venous and arterial access for bolus or infusion
• Simulated blood flashback upon cannulation

Other Features
• Rotating (selectable) pupils - normal, blown and constricted
• Moving limbs: limp, tone, spontaneous motion and seizure
• SimStore Scenarios to include 7th Edition NRP curricula

Circulation
• Spontaneous breathing, with variable rate
• Bilateral and unilateral chest rise and fall with mechanical ventilation
• Normal and abnormal breath sounds
• Simulated oxygen saturation
• Breathing complications
• Pneumothorax
• Unilateral chest movement with mechanical ventilation
• Unilateral breath sounds
• Unilateral needle thoracentesis, mid-axillary

ORDERING INFORMATION
296-00050  SimNewB (Light)*
296-00250  SimNewB (Dark)*

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
*Simulator only

ACCESSORIES
400-96050  Web camera
212-29650  Headset + Mic with USB
400-20050  Keyboard + Mouse USB

EDUCATION SERVICES
296-EDGS100  Getting Started with SimNewB Simulator
210-EDSP400  Teaching with SimPad
210-EDLL400  Teaching with LLEAP

TECHNICAL SERVICES
204-30001PP  SimPad PLUS Protection Plan
296-83050  SimNewB Simulator Install
296-00050PMC Preventive Maintenance, Customer Site
296-00050PMR  Preventive Maintenance, Return to Bench

Operation
SimNewB Simulator can be operated by a SimPad/SimPad PLUS remote or a LLEAP instructor computer and can utilize a simulated patient monitor.

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, customer images and custom video

Services
Laerdal offers comprehensive Educational Services to support your curriculum, and Technical Services to meet your product servicing needs. Whether you are setting up a one-room simulation site or a multi-bed simulation center; Laerdal can help.

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

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