Improving neonatal outcomes

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
- Lung recruitment maneuver
- Oral and nasal ET tube insertion
- LMA Insertion
- Sellick maneuver
- Positive-pressure ventilation
- Right mainstem intubation
- Suctioning
- Variable lung resistance
- Gastric tube insertion

Cardiovascular System
- Extensive ECG Library with rates from 10 - 300 bpm
- Simulated ECG monitoring via 3-lead monitor
- CPR start/stop detection

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

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

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
- 4 complimentary scenarios available on Laerdal.com

Circulation
- Palpable umbilical pulse
- Bilateral brachial pulse
- Central cyanosis

Sounds
- Vocal: Grunt breathing, crying, hiccups and others
- Lung: Normal, stridor, pneumonia and others
- Heart: Normal, diastolic murmur, systolic murmur and others
- Anterior lung sounds

Operation
SimNewB 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.

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/SimNewB