Luna

Explore a range of neonatal healthcare training needs with Luna. Simulating a baby from birth to 28 days after delivery, this advanced neonatal simulator helps learners practice caring for newborns when they are the most vulnerable and prone to extreme health crises.

Wireless and tetherless, this advanced neonatal simulator supports:

- Newborn assessment
- Neonatal resuscitation
- Tracheostomy care
- Airway and respiratory management
- Cardiovascular management
- Spontaneous breathing

The total solution for medical providers learning neonatal care, Luna also satisfies requirements for infant nursing skills, Pediatric Advanced Life Support, the S.T.A.B.L.E. Program and the Neonatal Resuscitation Program®.

INNOVATIVE STRATEGIES FOR NEONATAL CARE

Luna includes five simulated clinical experiences (SCEs) that correlate to newborn assessment and resuscitation standards:

- Infant Cardiopulmonary Failure
- Neonatal Abstinence Syndrome
- Neonatal Resuscitation
- Pneumothorax
- Poor Perfusion

PRACTICE PROTECTING NEW LIFE

Lightweight with interchangeable genders, Luna offers realistic features to keep learners in the moment.

Joint Articulation
Experience lifelike infant movements with Luna's articulated neck, shoulders, elbows, hips and knees.

Tristate Eyes
Practice diagnosing and treating medical conditions by leveraging normal, pinpoint and blown-pupil options.

Realistic Airway
Use Luna's tracheostomy port to practice trach ventilation, care and maintenance.

Learn more at **elevatehealth.net**

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LUNA

Technical Specifications

MANIKIN
Dimensions: 21" H (53.34 cm)
Weight: 8 lbs. (4.18 kg)

ELECTRICAL
AC Input: 115-230VAC, 50/60Hzz
2 internal batteries: 3.8V 3.88Ah lithium-ion, rechargeable
Manikin battery life: Approximately 4 hours
Available in two skin tones: ■ Medium ■ Dark

Standard Equipment
Software-compatible tablet
Maestro software suite—instructor-driven
One Maestro Standalone license
One StethoSym wireless
Five SCEs ■ Infant cardiopulmonary failure   ■ Pneumothorax ■ Neonatal abstinence syndrome   ■ Poor perfusion ■ Neonatal resuscitation
SymDefib external defibrillation box ■ Defibrillate using real devices and energy ■ Cardioversion and pace using real devices and energy
Electronic user guide
One year of Value warranty

Optional Equipment
Patient monitor computer
Additional StethoSym units
Physiological Modeling for Maestro
Additional Maestro Standalone licenses

Key Features & Benefits

Airway
Anatomically accurate oral cavity and realistic airway
Nasotracheal/orotracheal intubation (ET tube)
Head tilt, chin lift, jaw thrust
Esophageal intubation
Laryngeal mask airways (LMA) and other supraglottic airway devices
Oral and nasopharyngeal airway insertion
Bag-valve-mask ventilation support with detection
Tracheostomy
Laryngospasms
Right mainstem intubation detection and software event log

Articulation
Articulating neck, shoulders, elbows, hips and knees
Forearm pronation and supination

Cardiac (assess and manage cardiac status)
Effective chest compressions generate palpable femoral pulses and ECG activity
Supports ECG monitoring using real devices
Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines
CPR real-time quality feedback and reporting
Chest compression depth sensor
Library of cardiac rhythms

Circulation
Palpable pulses ■ Brachial   ■ Umbilical ■ Femoral
Pulse palpation event detection and logging
Blood pressure-dependent pulses
Variable pulse strength
Circumoral cyanosis

Gastric and Urinary	
Interchangeable female and male genitalia	Abdominal distention esophageal intubation
Urinary catheterization with urine output	Feeding tube placement (no fluids)

Neurologic
Variable tristate eyes
Manually manipulated fontanel (depressed, normal and bulging)
Crying/grunting
Active arm movement

Respiratory
Unilateral chest rise with right mainstem intubation
Automatic detection and logging of manual ventilation
Visible chest rise during bag-valve-mask ventilation
User-defined breathing patterns: regular, apneustic and ataxic
Spontaneous, continuous breathing
Variable respiratory rates and inspiratory/expiratory ratios
Programmable unilateral chest rise and fall
Unilateral lung sounds synchronized with respiratory rate
Substernal retractions
Ventilation volume measurement
Chest tube placement
Mid-clavicular needle decompression

Sounds
Auscultation of normal and abnormal heart, lung and bowel sounds (StethoSym)

Vascular Access
IV monitoring: bolus, infusion and sampling
IV sites: upper arm, scalp and foot
Peripheral arterial catheter placement
Subclavian catheter placement
Umbilical catheterization: infusion and sampling
IO tibial access

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Reduce medical errors. Improve performance. Enhance patient care.