CAE Luna

Infant Simulator

Explore a range of neonatal healthcare training needs with CAE 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 comes with two patient configurations (Live and Advanced) that support:

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

The total solution for medical providers learning neonatal care, CAE 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

CAE 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, CAE Luna offers realistic features to keep learners in the moment.

Joint Articulation
Experience lifelike infant movements with CAE 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 CAE Luna's tracheostomy port to practice trach ventilation, care and maintenance.

Learn More About CAE Luna

Call us at +1.941.377.5562 or email SRQAccountmanagers@cae.com

caehealthcare.com

CAE Luna

Technical Specifications

Manikin

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

Electrical

AC Input: AC 115-230VAC, 50/60Hz
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
- CAE Maestro software suite—instructor-driven
- One CAE Maestro Standalone license
- One CAE StethoSym wireless
- Five SCEs
  - -Infant cardiopulmonary failure
  - -Neonatal abstinence syndrome
  - -Neonatal resuscitation
  - -Pneumothorax
  - -Poor perfusion
- Electronic user guide
- One year of CAE Value warranty

Optional Equipment

- Patient monitor computer
- CAE SymDefib external defibrillation box
  - -Defibrillate using real devices and energy
  - -Cardioversion and pace using real devices and energy
- Additional CAE StethoSym units
- Physiological Modeling for CAE Maestro*
- Additional CAE 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

- 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
  - -Femoral*
  - -Umbilical*
- 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 (CAE StethoSym)

Vascular Access

- Bilateral anterolateral thigh intramuscular and subcutaneous injection sites
- 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

* Feature is included with CAE Luna Advanced configuration only.
** Insertion only (no detection) with CAE Luna Live configuration.

Reduce medical errors. Improve performance. Enhance patient care.