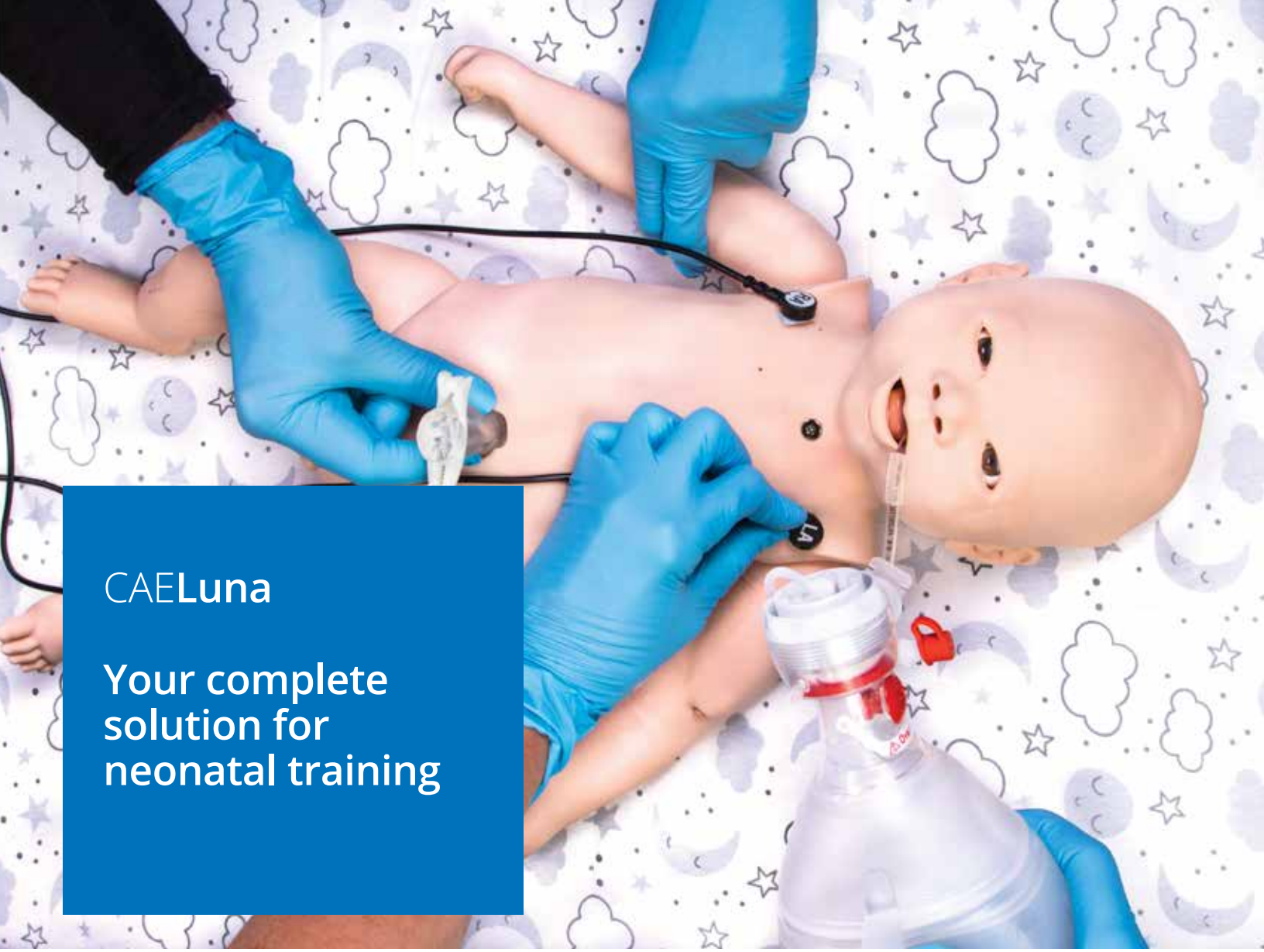

CAE**Luna**

Your complete solution for neonatal training

The perfect infant simulator for progressive skills development

CAE Luna is CAE Healthcare's first completely wireless and tetherless infant simulator. Available in three scalable patient configurations (Base, Live, Advanced), with full female to male gender conversion, CAE Luna can provide neonatal training programs with everything needed to achieve critical learning objectives.

From newborn assessment and infant CPR to advanced life support and neonatal resuscitation, CAE Luna has a comprehensive range of features. Equipped with ports for peripheral IV, peripheral arterial catheter and subclavian catheter placement, CAE Luna facilitates priming of all fluid ports from just one site.

CAE Luna supports training in laryngospasm management, tracheostomy care and management, advanced mechanical ventilation, and additionally meets requirements for Infant Nursing Skills, S.T.A.B.L.E. Program, the Neonatal Resuscitation Program (NRP) and Pediatric Advanced Life Support (PALS).

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Technical Specifications

Standard Equipment (All Configurations)
- CAE Luna wireless and tetherless infant manikin: Medium and Dark skin tones available
- Single year CAE Express level support and maintenance

Standard Equipment (Live and Advanced Configurations)
- Software compatible tablet
- New software platform CAE Maestro instructor driven
- One CAE Maestro standalone license
- One wireless StethoSym
- Includes five Simulated Clinical Experiences (SCEs)
  - Infant Code
  - Neonatal Abstinence Syndrome
  - Neonatal Resuscitation
  - Pneumothorax
  - Poor Perfusion
- Electronic user guide

Optional Equipment (Live/Advanced models)
- Patient monitor computer
- SymDefib external defibrillation box
- Additional StethoSym units
- Maestro physiology
- Additional standalone Maestro licenses

Optional Equipment (Advanced model)
- External advanced lung

Manikin
- 21" H (53.34 cm)
- Approximate Weight = 8 lbs. (3.63 kg)

Electrical
- AC Input: AC 115-230VAC, 50/60Hz
- Internal Batteries: 3.8V 3.88 Ah Lithium ion, rechargeable
- Runtime: Approximately 4 hours

591-0419

Key Features

Articulation
- Realistic joint articulation
- Articulating neck, shoulders, elbows, hips and knees
- Forearm pronation and supination

Airway
- Anatomically accurate oral cavity and realistic airway
- Nasotracheal/orotracheal intubation (ET tube)
- Head tilt, chin lift, jaw thrust
- Supports esophageal intubation
- LMA insertion
- Oral and nasal pharyngeal airway insertion
- Bag-valve-mask ventilation support
- Tracheostomy
- Laryngospasms (Advanced model)
- Intubation depth detection and software event log (Live/Advanced models)
- Dynamic lung compliance*
- Dynamic airway resistance and lung compliance*
- Variable lung resistance*

Cardiac
- Effective chest compressions generate palpable femoral pulses and ECG activity (Live/Advanced models)
- Supports ECG monitoring using real devices (Live/Advanced models)
- CPR Real-time quality feedback and reporting (Live/Advanced models)
- Chest compression depth sensor (Live/Advanced models)
- External SimDefib box (Live/Advanced models)
  - Defibrillate using real devices and energy
  - Cardiovert, and pace using real devices and energy
- Library of cardiac rhythms (Live/Advanced models)

Circulation
- Palpable pulses (Live/Advanced models)
  - Brachial (Live model)
  - Brachial, femoral and umbilical (Advanced model)
- Pulse palpation event detection and logging
- Blood pressure dependent pulses
- Variable pulse strength
- Circumoral cyanosis (Advanced model)

Gastric and Urinary
- Interchangeable female and male genitalia
- Abdominal distention when incorrectly intubated
- Urinary catheterization with urine output
- Feeding tube placement (no fluids)

Neurologic
- Variable Tristate Eyes
- Manually-manipulated fontanel (depressed, normal, and bulging)
- Crying/Grunting (Live/Advanced models)
- Active arm movement (Advanced model)

Respiratory
- Unilateral chest rise with right mainstem intubation
- Automatic detection and logging of right mainstem (Live/Advanced models)
- Visible chest rise during bag-valve-mask ventilation
- Spontaneous, continuous breathing (Advanced model)
- Variable respiratory rates and inspiratory/expiratory ratios (Advanced model)
- Programmable unilateral chest rise and fall (Advanced model)
- Unilateral lung sounds synchronized with respiratory rate (Advanced model)
- Substernal retractions (Advanced model)
- Mechanical ventilation support (Advanced model)
  - A/C, SIMV, CPAP, PCV, PSV, NIPPV
  - Supports PEEP (up to 20 cmH2O)
  - Dynamic airway and lung controls*
  - Variable lung compliance*
  - Bilateral bronchial resistance*
- Ventilation measurement (Live/Advanced models)
- Chest tube placement (Live/Advanced models)
- Mid-clavicular needle decompression (Live/Advanced models)
- Programmable respiratory efforts for weaning/liberation*
- CO_2 exhalation*

Sounds
- Auscultation of normal and abnormal heart, lung and bowel sounds (Live/Advanced with StethoSym)

Vascular Access
- Bilateral anterolateral thigh intramuscular and subcutaneous injection sites
- IV cannulation: bolus, infusion, and sampling
- IV Sites: Upper Arm, Scalp and Foot
- Peripheral arterial catheter placement
- Subclavian catheter placement
- Umbilical catheterization: continuous infusion and sampling
- IO tibial access

**Advanced model with External Lung and CAE Physiology*

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