

CAE

CAE Apollo

Prehospital and Nursing Patient Simulator

Introduce learners to the full spectrum of healthcare scenarios with CAE Apollo. Available in two configurations—prehospital and nursing—CAE Apollo accelerates learning, decreases time to proficiency and increases debriefing efficacy through automated and relevant patient responses.



Built with powerful features to enhance medical training, this fully wireless and tetherless adult manikin uses CAE modeled physiology to automatically trigger patient behaviors and actions, including:

- Blinking
- Reactive pupils
- Tongue swelling
- Bleeding and fluid drainage
- Bilateral pulses
- Uni- and bilateral chest expansion
- Lung and heart sounds
- Abdominal distension

A self-contained unit with its own wireless router, CAE Apollo serves as the hub for integrated scenarios and can easily connect to CAE Maestro and CAE SimEquip without accessing the local network.

Equipped with high-fidelity features, CAE Apollo provides learners with an immersive and authentic experience to prepare for the moments that matter.

Adaptable patient care

CAE Apollo has been field-tested by thousands of customers around the world and is recognized for its realism, relevance, versatility and reliability.



Apollo Prehospital

Real Equipment

Use actual airway equipment, cardiac monitors and electrical therapy for a true-to-life experience.



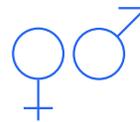
Lifesaving Lessons

Realistic skin, facial movements and airway conditions prepare learners to assess and address respiratory complications.



Blood Bank

Bleeding from upper and lower extremities enhances trauma training and care.



Apollo Nursing

Interchangeable Genitalia

Expand urinary catheterization training across genders to prepare for diverse patient care.



IV Access

Varying veins, valves and access points create realistic conditions to learn and practice proper IV sizing and placement.



Trach Training

Practice tracheostomy care, including suctioning the tube and removing secretions to ensure the patient airway remains open.

Learn More About CAE Apollo

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

caehealthcare.com

Technical Specifications

Manikin

74" H x 26" W x 11" D (188 cm x 66 cm x 28 cm)
100 lbs. (45.4 kg)

Electrical

AC Input: AC 90-240VAC, 50/60Hz
2 internal batteries: 18.5V, 233Wh lithium-ion, rechargeable

Available in two skin tones: Medium Dark

Available in two models: Prehospital and Nursing

Standard Equipment

Software-compatible tablet
CAE Maestro physiologically driven operating software
Four Simulated Clinical Experiences (SCEs)
- Anaphylaxis
- Heart failure with pulmonary edema
- Severe asthma
- Subdural hematoma
One Maestro Standalone license
One Physiology Option license for Maestro Standalone
Ultrasound Scan Records: normal and pathologic cases including cardiac, abdominal, FAST and pleural surface scans
Simulated patient monitor software
Electronic user guide
CAE Assurance Premier Warranty Plan with customer and technical support, Training for Life™ and option to renew

Optional Equipment

Patient monitor computer
Additional battery pack
FX simulated wound kit
FX simulated limb injuries
Hands-free cable kit
Wall air kit
Manikin tool kit

Optional Software

Learning modules (More than 15 modules available)

Features & Benefits

Airway (Assess and manage airway)

Bag-valve-mask ventilation
Head tilt/chin lift
Jaw thrust
Tongue swelling
Bronchial occluder
Surgical cricothyrotomy
Needle cricothyrotomy
Laryngeal mask airways (LMA) and other supraglottic airway devices

Articulation

Articulating neck, shoulders, elbows, arms, knees and hips
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Circulation (Assess and manage perfusion status)

Defibrillation and cardioversion using live defibrillators
Pacing (use of hands-free pads)
12-lead dynamic ECG display
ECG monitoring posts and interface with real ECG monitor
Bilateral blood pressure measurement by auscultation and palpation
Bilateral carotid, brachial, radial, femoral, popliteal, and dorsalis pedis pulses

CPR

Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines
Adequate chest compressions result in simulated circulation, cardiac output, central and peripheral blood pressures, carbon dioxide return
Hand-placement detection

Gastric and Urinary (Assess and manage gastrointestinal and genitourinary status; deliver and manage medications and fluids; perform catheter insertions)

Nasogastric tube placement
Bowel sounds, all 4 quadrants

Neurological (Perform neurological assessments to identify abnormalities/deficiencies)

Blinking and reactive pupils with multiple settings
Seizures

Respiratory (Assess and manage breathing).

Bilateral and unilateral chest rise and fall
Spontaneous breathing
Bronchial occlusion
Integrated SpO2 finger probe with simulated patient monitor
Breath sounds over entire lungs
Bilateral chest tube insertion, sensed, with fluid output

Sounds

Pre-recorded sounds and speech, custom vocalization recorded by the user via wireless microphone
Heart, bowel and breath sounds (anterior and posterior) independently controlled
Audible breathing sounds (wheezing and gasping)

Trauma

Bleeding and fluid drainage linked to physiology
Two simultaneous bleeding/moulage sites with 1.5 L blood tank capacity
Limbs can be removed at the knees and elbows to support amputations
Automatic responses to 68 intravenous and inhaled medications
Responses are dose-dependent and follow appropriate time course

Urinary

Urinary catheterization
Interchangeable male and female genitalia

Vascular Access (Manage intravenous and intraosseous access for medication delivery)

Bilateral IV placement sites in antecubital fossa and dorsum of hand
IM injection site, right deltoid
Humeral IO site, left

Prehospital Configuration Additional Features

Airway

Upper airway designed from CT scan data of a real human patient
Intubation: orotracheal, nasotracheal, retrograde, fiber optic
Right mainstem intubation detection
Gastric distention with esophageal intubation
Laryngospasm
Airway occluder
Posterior oropharynx occlusion

Breathing

Carbon dioxide exhalation
Bilateral needle decompression

Secretions

Eyes, nose and mouth

Nursing Configuration Additional Features

Airway

Airway reservoir supports suctioning of fluids via tracheostomy tube
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Gastrointestinal

Gastric reservoir supports simulated gastric lavage, gavage and gastric suction

IV

Subclavian venous catheter
