

Save both money and time using CAE Ares, our cost-effective emergency-care manikin. This mid-fidelity patient simulator comes packed with features, including muscle injection sites, a realistic breathing system, an airway capable of intubation and two-way communication between the manikin (operator) and learner.



Designed to respond to various levels of emergency care, CAE Ares provides a top-tier simulated clinical experience to help students and practicing professionals prepare to manage traumas, including:

- Cardiopulmonary Arrest
- Closed Head Injury and Pneumothorax
- Heroin Overdose
- Inferior-Posterior Myocardial Infarction
- Sepsis with Hypotension
- Stroke

## Healthcare through a new lens

Enhance learning with augmented reality featuring Microsoft HoloLens 2. CAE AresAR complements the CAE Ares manikin or works as a standalone tool to provide:

- An engaging mixed-reality learning experience
- Large-scale anatomical views
- Interactive learning to minimize time to mastery



## Emergency-care education on a budget

Budget-friendly and efficient, CAE Ares is designed to help learners practice real-life interventions in a risk-free environment.



### Interchangeable Genders

Two patients in one. Broaden real-life clinical experiences by changing the hair and genitalia of CAE Ares to easily convert this simulator from male to female and back again.



### CAE SymEyes

Explore numerous health concerns by changing the condition and appearance of CAE Ares' eyelids, sclera and pupils.



### CAE Maestro

Learner performance data monitoring, including CPR performance metrics. Witness software that detects hand placement, rate and depth of compressions, recoil, ventilations, and ventilation-to-compression ratio.

## Technical Specifications

### Manikin

**Dimensions:** 64" H x 20.5" W x 10" D (162.56 cm x 52.07 cm x 25.4 cm)

**Approximate Weight:** 50 lbs. (22.7 kg), varies depending on options

### Electrical

**AC Input:** AC 115-230VAC, 50/60Hz

**Internal battery:** 15V 3.20Ah lithium-ion, rechargeable

**Manikin battery life:** Approximately 4 hours

**Available in two skin tones:**  Medium  Dark

### Standard Equipment

Male and female gender configuration

One Wireless CAE StethoSym

One instructor tablet

One CAE Maestro Standalone license (manual mode)

Includes 6 CAE simulated clinical experiences (SCEs)

- Cardiopulmonary arrest
- Closed head injury and pneumothorax
- Heroin overdose
- Inferior-posterior myocardial infarction
- Sepsis with hypotension
- Stroke

One year of CAE Express warranty plan

### Optional Equipment

Patient monitor computer

CAE AresAR software license

Microsoft HoloLens 2

Physiological modeling for CAE Maestro\*

CAE SymDefib external defibrillation box

Complete wound accessory

Post-mastectomy accessory

Breast exam accessory

Articulating arms

Ultrasound training IV arm or ultrasound insert for venous cannulation and infusion

Additional CAE StethoSym units

STOPS Blood Pumping System

STOPS Hyper-Realistic Moulage Kit

CAE SimEquip Anesthesia

CAE SimEquip Ventilator

CAE SimEquip Defibrillator

CAE SimEquip Transport Ventilator

### Optional Software

Five additional CAE EMS learning modules (10 SCEs per module)

ACLS learning module (11 SCEs)

## Key Features & Benefits

### Airway (assess and manage airway)

Bag-valve-mask ventilation with chest rise and fall

Orotracheal and nasotracheal intubation

Placement of various airway adjuncts

Retrograde and fiber optic intubation

Transtracheal jet ventilation

Surgical/needle cricothyrotomy

Tracheostomy

Right mainstem intubation detection

Gastric distention with esophageal intubation

Laryngospasm (manual)

### Articulation

Realistic articulation of hips, knees, ankles and shoulders

Cervical motion for practice of patient stabilization

### Cardiac (assess and manage cardiac status)

4-lead ECG monitoring with real equipment

12-lead dynamic ECG display

Defibrillation, cardioversion and pacing using live equipment via external CAE SymDefib box

### Circulation (assess and manage perfusion status)

Unilateral blood pressure measurement by auscultation and palpation

Bilateral carotid and femoral pulses

Unilateral radial and brachial pulses

User-controllable variable pulse strength

### CPR

Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines

CPR compressions generate palpable pulse, blood pressure, waveform and ECG artifacts

Realistic chest compression depth and resistance

Software metrics detect hand placement, rate and depth of compressions, recoil, ventilations and ventilation-to-compression ratio

### IM Medication Administration

Four intramuscular injection sites

### Neurologic (perform neurological assessments to identify abnormalities/deficiencies)

CAE SymEyes\*\*

### Respiratory (assess and manage breathing)

Spontaneous breathing

Bilateral and unilateral chest rise and fall

Lung auscultation sites on anterior chest

Upper airway sounds

Bilateral needle decompression with software recognition and resolution

### Software

Intuitive simulation authoring and control

Customizable checklists

Detailed debriefing logs

### Sounds

Auscultation of normal and abnormal heart, lung and bowel sounds with the CAE StethoSym device

Prerecorded speech and vocal sounds

Bidirectional audio communication between manikin (operator) and learner

### Urinary

Urinary catheterization without fluids

Interchangeable male and female genitalia

### Vascular Access (manage intravenous and intraosseous access for medication delivery)

Unilateral IV cannulation at antecubital and dorsum of hand

Blood draw with vacuum-sealed blood-collection system

Unilateral humeral Intraosseous access

\* Feature is included with CAE Ares Complete configuration and is optional for Base and Advanced.

\*\* Feature is only available for CAE Ares Complete and Advanced configurations.