



## CAE Athena

Aesthetically authentic.  
Exceptionally functional.

### Advanced female patient simulator for emergency care

From a clinical standpoint, there are critical differences in treating male patients and female patients. In the world of simulation, it has been difficult to deliver quality, high-fidelity training in female patient assessment and management due to the absence of an aesthetically authentic, realistic and technologically-advanced female patient simulator. That is, until CAE Athena.

Athena is CAE Healthcare's answer to the need for a female simulator with the look, feel and correct anatomy of the female body. Fully wireless and tetherless for mobile simulation and transport scenarios, Athena possesses an exceptional range of functionality. From advanced airway management and ventilation training to AHA-compliant CPR analysis and comprehensive cardiovascular education, Athena is the ideal female simulator you've been waiting for.

Find out how CAE Athena can redefine your expectations at [caehealthcare.com](http://caehealthcare.com).

Your worldwide  
training partner  
of choice



# Technical Specifications

## Standard Equipment

- Athena wireless and tetherless manikin: available in medium and dark skin tones
- Instructor's workstation with 3 device options
- Müse physiologically driven operating software
  - » 5 Simulated Clinical Experiences (SCEs) in Müse:
    - Chronic heart failure exacerbation
    - Acute respiratory distress syndrome
    - Sepsis with hypotension
    - Brain attack with thrombolytic therapy
    - Motor vehicle collision with hypovolemic shock
- Ultrasound Scan Records: normal and pathologic cases including cardiac, abdominal, FAST and pleural surface scans
- Vivo instructor driven operating software
  - » 5 Simulated Clinical Experiences (SCEs) in Vivo:
    - Heart failure
    - Hypovolemic shock
    - Brain attack (CVA)
    - Diabetic ketoacidosis
    - Ventricular fibrillation/cardiac arrest
- 4 Müse SCE development licenses
- CAE Assurance value plan with customer and technical support, Training for Life™ and option to renew
- Electronic user guide

## Optional Equipment

- Touchpro wireless emulated patient monitor
- Additional battery and charger
- Hands-free cable kit

## Optional Software

- Pharmacology Editor Learning Modules now available: RESP I, EMS I, and Adult Nursing

## Manikin

- 69" H x 22" W x 15" D (175cm x 56cm x 38cm) 105 pounds (48kg)

## Electrical

- Input: 100-240V, 50/60Hz, 2.3A
- Internal batteries: 14.4V 90-watt-hour lithium-ion, rechargeable  
Run time: 4 hours

# Key Features

## Airway and Breathing

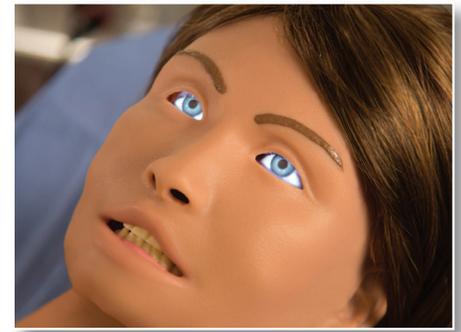
- Spontaneous breathing
- Neck articulation for sniffing position
- Articulated mandible for jaw thrust maneuver
- Unilateral and bilateral chest excursions synchronized with the ventilation (spontaneous and mechanical)
- Anatomically realistic and durable upper airway designed to allow for laryngoscopy and oral intubation (LMAs, endotracheal tubes, oropharyngeal airways)
- Perfect seal with the airway adjuncts
- Bag-valve-mask ventilation
- Symmetric and asymmetric lung ventilation
- Mechanical ventilation and different ventilation modes (CMV, SIMV)
- Ventilation efficacy reflected in the alveolar and arterial gas concentrations

## Circulation

- Bilateral pulses (carotid, brachial, radial, dorsalis pedis) synchronous with the cardiac cycle. Pulse strength can be controlled
- Bilateral blood pressure measurement by both auscultation and palpation
- Pacing and defibrillation
- 12-lead dynamic ECG display
- ECG monitoring posts and interface with real ECG monitor
- Bilateral IV access points

## CPR

- Correct hand placement detection
- CPR analysis (compression depth and rate, chest recoil, compression fraction, ventilation volume and rate)
- Compliant with 2015 AHA guidelines



## Neurological

- SymEyes display patient symptoms and conditions, including jaundice, hemorrhage, keyhole pupil, cataracts and bloodshot or droopy eyes
- Reactive pupils with multiple settings
- Blinking, panning and reactive eyes with multiple settings
- Seizures associated with rapid blinking and movement of the arms

## Urinary

- Urinary catheterization
- Urine output

## Sounds

- 2-way voice communication
- Pre-recorded sounds and speech, custom vocalization recorded by the user, microphone
- Heart, bowel, and breath sounds (anterior and posterior) independently controlled (type and volume)
- Audible breathing sounds (wheezing and gasping)

## Articulation

- Range of motion in the wrists, shoulders, knees and ankles