

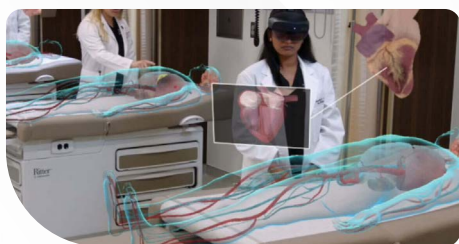
## EMERGENCY-CARE PATIENT SIMULATOR

# Ares

Save both money and time using 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, 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. AresAR complements the 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, 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 Ares to easily convert this simulator from male to female and back again.

### SymEyes

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

### 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 90-240VAC, 50/60Hz

**2 internal batteries:** 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 StethoSym

One instructor tablet

One Maestro Standalone license (manual mode)

Includes 6 simulated clinical experiences (SCEs)

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

One year of Express warranty plan

#### Optional Equipment

Patient monitor computer      SymDefib external defibrillation box

AresAR software license      Complete wound accessory

Microsoft HoloLens 2      Post-mastectomy accessory

Physiological modeling for Maestro\*      Breast exam accessory

Articulating arms

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

Additional StethoSym units      SimEquip Anesthesia

STOPS Blood Pumping System      SimEquip Ventilator

STOPS Hyper-Realistic Moulage Kit      SimEquip Defibrillator

STOPS Hyper-Realistic Moulage Kit      SimEquip Transport Ventilator

#### Optional Software

Five additional 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

#### Cardiovascular (assess and manage perfusion status)

4-lead ECG monitoring with real equipment

12-lead dynamic ECG display

Defibrillation, cardioversion and pacing using live equipment via external 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)

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 StethoSym device

Prerecorded speech and vocal sounds

Bidirectional audio communication between manikin (operator) and learner

#### Urinary

Urinary catheterization with 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 Ares Complete configuration and is optional for Base and Advanced.

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