

CAE Aria Small simulator. Big results.



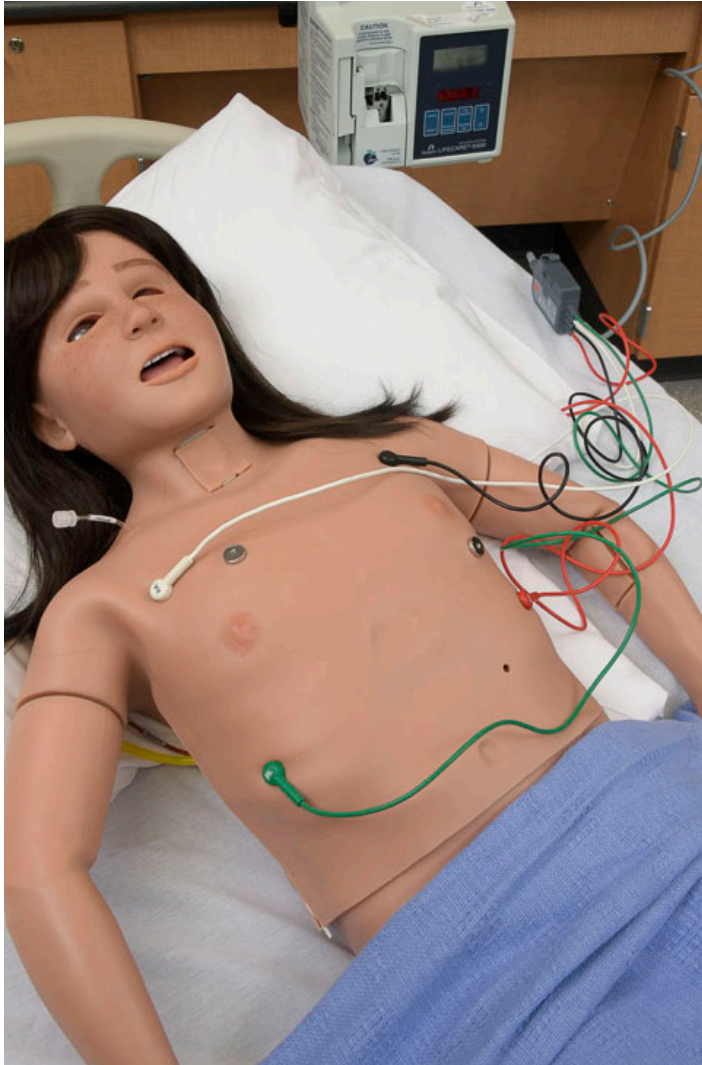
Reduce medical errors.
Improve performance.
Enhance patient care.

CAE Aria, our new, high-fidelity pediatric medical manikin, adds realism to educational scenarios to better prepare students and practicing professionals for the moments that count. Training with CAE Aria reduces medical errors, improves performance and enhances pediatric patient care.

Simulating a 7-year-old child, CAE Aria offers interchangeable gender, 60 vocal expressions and sounds, an advanced airway, neurological features and an active bleeding system, all of which enable students and clinicians to:

- Assess verbal cues, like confusion, anxiety, stress and pain
- Learn airway management skills
- Conduct neurological evaluations
- And train for pediatric emergencies as if they were really happening

With 10 included simulated clinical experiences, CAE Aria supports training for some of the most common and emotionally charged pediatric emergencies, from an accidental overdose to a gunshot wound. Students and practicing professionals can make assessments, apply clinical decision-making and provide medical interventions in a risk-free environment, so they're ready for the real thing.



Included Simulated Clinical Experiences

- Accidental electrocution
- Accidental overdose
- Burn injury
- Closed head injury
- Diabetic ketoacidosis with hypoxemia
- Envenomation
- Gunshot wound
- Obstructed airway
- Submersion injury
- Trauma with pneumothorax

Lifelike care in any situation.

Wireless and tetherless, CAE Aria can be put into realistic and relevant training situations, like a home or ambulance. That means learners can stay in the moment, wherever that may be.



Academic programs

Reduce the need for pediatric clinical sites by leveraging CAE Aria's lifelike responses in a risk-free environment



General/children's hospitals

Maintain life-saving pediatric certifications by using CAE Aria to refresh the skills and reflexes of nurses, doctors and healthcare professionals



Emergency medical services

Learn proper assessment, transport, handoffs and pediatric response

IT'S TIME FOR AN INTRODUCTION.

Call us now at **+1.941.377.5562** to meet CAE Aria.

Technical Specifications

Manikin

Height: 48 in (121.92 cm)
Weight: 50 lbs. (22.68 kg)

Electrical

AC Input: 115/230V 50/60Hz
2 internal batteries: 14.4V, 6.90Ah lithium-ion, rechargeable
Total battery life: approximately 5 hours

Available in two skin tones: Medium Dark

Live Advanced

Standard Equipment

	Live	Advanced
Software-compatible tablet	•	•
CAE Maestro instructor-driven software platform (Manual mode)	•	•
1 CAE Maestro standalone license (Manual mode)	•	•
1 Wireless StethoSym	•	•
One year of CAE Express support and maintenance	•	•
Emulated patient monitor software	•	•
User guide	•	•
SymDefib external defibrillator box		•

Optional Equipment

	Live	Advanced
External bleeding module	•	•
Patient monitor computer	•	•
Additional StethoSym units	•	•
CAE Maestro physiology	•	•
Additional standalone Maestro licenses	•	•
CAE LearningSpace	•	•
SymDefib external defibrillator box		•

Features & Benefits

Live Advanced

Articulation

	Live	Advanced
Stiff neck	•	•
Realistic joint articulation in neck, shoulders, elbows, hips and knees	•	•
Forearm pronation and supination	•	•

Airway (Assess and manage airway)

	Live	Advanced
Anatomically accurate oral cavity and realistic airway	•	•
Nasotracheal/orotracheal intubation (ET tube)	•	•
Retrograde and fiberoptic intubation	•	•
Transtacheal jet ventilation	•	•
Head tilt, chin lift, jaw thrust	•	•
Supports esophageal intubation	•	•
LMA, iGel and King insertion	•	•
Oral and nasal pharyngeal airway insertion	•	•
Bag-valve-mask ventilation support	•	•
Surgical/needle cricothyrotomy	•	•
Tracheostomy	•	•
Swollen tongue, pharyngeal swelling and laryngospasms		•
Intubation depth detection and software event log	•	•
Bronchial occlusion	•	•
Variable lung compliance and resistance		•

Cardiac (Assess and manage cardiac status)

	Live	Advanced
Chest compressions compliant with AHA CPR requirements	•	•
Effective chest compressions generate palpable femoral pulses and electrocardiogram (ECG) activity	•	•
Supports ECG monitoring using real devices	•	•
CPR real-time quality feedback and reporting	•	•
Chest compression depth sensor	•	•
Library of cardiac rhythms	•	•
Software-based 12-lead ECG	•	•
Non-invasive blood pressure (BP) with Korotkoff sounds	•	•

Circulation (Assess and manage perfusion status)

	Live	Advanced
Bilateral palpable pulses with event detection and logging	•	•
- Carotid, brachial, radial, femoral	•	•
- Popliteal		•
- Dorsalis pedis		•
Pulse palpation event detection and logging	•	•
Blood pressure dependent pulses	•	•
Variable pulse strength	•	•
Circumoral cyanosis		•
Peripheral capillary refill		•
Fingerstick blood glucose	•	•

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

	Live	Advanced
Interchangeable female and male genitalia	•	•
Abdominal distention with esophageal intubation	•	•
Urinary catheterization with urine output	•	•
Orogastric/Nasogastric tube (no fluids)	•	•
Gastrostomy tube (with fluids)	•	•
Suppository administration	•	•

Neurologic (Perform neurological assessments to identify abnormalities/deficiencies)

	Live	Advanced
SymEyes	•	•
Pain response via sternal rub		•
Seizures		•

Respiratory (Assess and manage breathing)

	Live	Advanced
Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines	•	•
Spontaneous breathing	•	•
Visible chest rise during bag-valve-mask ventilation	•	•
Automatic detection and logging of right main stem	•	•
Unilateral chest rise and lung sounds with right main stem	•	•
Variable inspiratory/expiratory ratios	•	•
Substernal retractions		•
Mechanical ventilation support		•
- Supports asynchronous volume and pressure-controlled ventilation		•
- Supports PEEP (up to 20 cm H2O)		•
Ventilation measurement	•	•
Simulated pulse oximeter	•	•
Chest tube placement	•	•
Chest tube fluids with external bleeding module	•	•
Unilateral mid-clavicular needle decompression	•	•
Automatic detection, resolution and logging of mid-clavicular needle decompression	•	•

Sounds

	Live	Advanced
Auscultation of normal and abnormal heart, lung and bowel sounds	•	•
60+ scripted male/female vocal expressions and sounds	•	•
Wireless voice capability	•	•

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

	Live	Advanced
Unilateral anterolateral thigh intramuscular and subcutaneous injection sites	•	•
Humeral IO (no fluids) and Tibial IO (with fluids)	•	•
Antecubital venipuncture site with flashback	•	•
Pre-ported jugular catheter and dorsum of left hand	•	•