

PREHOSPITAL AND NURSING PATIENT SIMULATOR

Apollo

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

Built with powerful features to enhance medical training, Apollo uses proprietary 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, heart and abdominal sounds
- Abdominal distension with esophageal intubation

Apollo is a self-contained manikin and has an internal wireless router that connects to the Maestro operating software and SimEquip without requiring access to the local network.

With high-fidelity features, this patient simulator provides learners with an immersive and authentic experience to prepare for the moments that matter.



Apollo Prehospital

Real Equipment

Realistic airway equipment, cardiac monitors and electrical therapy provide true-to-life experience.

Lifesaving Lessons

Realistic skin 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

Real Fluids

Perform gastric and airway suctioning using real fluids.

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.

Apollo

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:  Caucasian  Black/African American

Available in two models: Prehospital and Nursing

Apollo Simulator Package

Apollo Prehospital Simulator

Unique additions include difficult airway and needle decompression

Instructor operating device Maestro standalone license

Physiology license First Year Manufacturer's Warranty

4 Simulated Clinical Experiences (SCEs)

Apollo Moulage Starter Kit (stop the bleed arm, set of 5 foreign body sticky wounds, 2 fine skin rash sticky wounds, pitting edema sticky pads, 2 ecchymosis sticky wounds, set of 4 6x3 burn sticky wounds, peripheral IV catheterization arm, clear)

Apollo Nursing Simulator

Unique additions include simple airway, NG/tracheal suctioning and central line functionality

Instructor operating device Maestro standalone license

Physiology license First Year Manufacturer's Warranty

4 Simulated Clinical Experiences (SCEs)

Apollo Moulage Starter Kit (6-piece sticky wound kit, 2 fine skin rash sticky wounds, pitting edema sticky pads, set of 4 6x3 burn sticky wounds, injectable abdomen with protection plate and belt, peripheral IV catheterization arm, clear)

Optional Accessories

All-in-one computer for patient monitor Tablet Computer for Patient Monitor

Extra battery Hands-free kit

Learning Modules (15+ available) Soft-sided manikin case

SimEquip defibrillator/ventilator/anesthesia

Optional Training

Apollo includes Installation and Product Familiarization

Cohort course by an Elevate technician

Customers may elect to upgrade to the following training solutions by a Clinical educator:

- 2 Day SimPro On-Location
- 3 Day SimPro Premier at Elevate HQ

Key Features & Benefits

Airway (assess and manage airway)

Bag-valve-mask ventilation with chest rise/fall and software recognition

Laryngeal mask airways (LMA) and other supraglottic airway devices including King and I-Gel airway devices

Head tilt/chin lift Bronchial occluder

Jaw thrust Surgical cricothyrotomy

Tongue swelling Needle cricothyrotomy

Articulation

Articulating neck, shoulders, elbows, arms, knees and hips

Cardiovascular (assess and manage perfusion status)

Defibrillation and cardioversion using live defibrillators

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

Pacing (use of hands-free pads) 12-lead dynamic ECG display

Cardiac library of over 50 rhythms

CPR

Compliant with 2020 AHA BLS guidelines and 2021 ERC guidelines measuring depth, rate and chest compression ratio

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 four quadrants

Neurological (perform neurological assessments to identify abnormalities/deficiencies)

Blinking and reactive pupils with multiple settings

Convulsions

Respiratory (assess and manage breathing)

Bilateral and unilateral chest rise and fall

Integrated SpO2 finger probe with simulated patient monitor

Bilateral chest tube insertion, sensed, with fluid output

Spontaneous breathing Bronchial occlusion

Sounds

Prerecorded sounds and speech, custom vocalization 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 medications, including oxygen, when using modeled physiology

Responses are dose-dependent and follow appropriate time course

Urinary

Urinary catheterization with fluids

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 Humeral IO site

Prehospital Configuration Additional Features

Airway

Upper airway designed from CT scan data of a real human patient

Intubation: orotracheal, nasotracheal, retrograde, fiber optic

Gastric distention with esophageal intubation

Right mainstem intubation detection Airway occluder

Laryngospasm Posterior oropharynx occlusion

Breathing

Carbon dioxide exhalation with CO2 cartridge

Bilateral needle decompression

Secretions

Eyes, nose and mouth

Nursing Configuration Additional Features

Airway

Airway reservoir supports suctioning of fluids via tracheostomy tube

Gastrointestinal

Gastric reservoir supports simulated gastric lavage, gavage and gastric suction

IV

Subclavian venous catheter