METIman®
The right man for the job

Prehospital • Nursing
METIman
Wireless, Affordable Patient Simulator for Nursing and Prehospital Training

METIman is the best value in high-fidelity patient simulation training today — affordable, wireless and durable for training in the field. With integrated CAE Healthcare physiology, METIman delivers an objective learning experience while allowing instructors to focus on teaching. The METIman nursing and prehospital models offer scenarios and features that are specific to each discipline.

- Reactive pupils and blinking
- Airway management (Prehospital)
- CO₂ exhalation (Prehospital)
- Breakaway teeth (Prehospital)
- Voice
- Bilateral IM injection sites
- Central venous catheter (Nursing)
- Bronchial occlusion
- Heart, breath, bowel sounds
- Bilateral chest movement
- Needle decompression (Prehospital)
- Independent chest excursion
- Intercostal palpable ribs
- Chest compressions
- ECG
- Defibrillation
- Pacing
- Gastric lavage/gavage (Nursing)
- Trachea with realistic anatomical landmarks
- Tracheal suctioning (Nursing)
- Bilateral chest tube with fluid output
- Trachea with realistic anatomical landmarks
- Tracheal suctioning (Nursing)
- Bilateral vascular access for IV cannulation including multiple locations with flashback
- Wireless and tetherless with blood on board
- Two bleeding sites
- Interchangeable genitalia
- NEW! Updated Airway! Interacts with more airway management devices for effective training and better patient outcomes.
Built for nursing and prehospital training
METIman is offered in both Nursing and Prehospital models with tailored clinical features for each. Operate him on-the-fly or choose CAE Healthcare’s fully documented, evidence-based curriculum.

A new, rugged tablet for greater mobility
At only 3.6 lbs, METIman’s new tablet workstation is rugged and robust for harsh work environments – resistant to dust, moisture and breakage, with integrated WiFi to keep you connected.

Realistic physiological response
METIman simulates true physiology automatically without trends, handlers or palettes. The modeled CAE Healthcare physiology delivers a more objective learning experience while allowing instructors to focus on teaching.

Ideal for simulation on the go
METIman is tough and long-lasting in the field, with a four-hour battery life and both CO$_2$ and blood on board. He is a preferred simulator for indoor-outdoor or interdisciplinary scenarios requiring triage, treatment and transport.

Reset to any point in a simulation
Learners will make mistakes. With METIman’s bookmark capability, an instructor can return to any point in a scenario and restart with a full replication of the patient’s physiology at that point. Use the bookmark feature for debriefing as well.

Quick start or custom scenario building
METIman’s user-friendly Müse interface takes you to any patient, scenario or condition in two clicks. Use his preprogrammed scenarios or get creative with Müse’s intuitive scenario builder.

Support every step of the way
CAE Healthcare’s responsive customer service and peer-to-peer support for educators is unmatched in the industry. We offer expert consultation at all stages – from initial set-up to the development of custom scenarios.
Müse® makes simulation easy

Operating METIman is quick, easy and intuitive with Müse. With three levels of control of CAE Healthcare's modeled physiology, Müse allows instructors to run scenarios, modify patient parameters or operate the simulator on-the-fly. Enjoy the freedom and versatility to use Müse away from the simulation lab with four additional licenses for any Mac or PC.

Simulated Clinical Experiences (SCEs) bundle ready-to-go patient, scenarios, educational content and setup preferences to automatically load together when you run an SCE.

SCE timeline provides the ability to place bookmarks throughout an SCE and to return to the patient’s bookmarked physiology at any point.

Patient status display can be customized to show vital signs, cardiac output, respiratory status and more, including SpO₂, ECG and capnogram.

Recent Event Logs on the Run Screen keep you updated, while complete event and physiological data is logged in the SCE history.

Scenarios automatically load as part of the SCE. Scenario states and progression can be controlled directly from the Run Screen.

Parameter controls allow you to operate on-the-fly by adjusting model parameters and using overrides.

Patient reset button allows you to quickly save and return to the patient’s original baseline physiology without having to restart the SCE.
12-lead ECG waveform capability for adult patient simulators!


Quick Links allow an instructor to change a patient’s physiology in an instant. Run the same scenario with a stable or unstable patient to challenge learners’ critical thinking skills.

Layer conditions, administer medications and record interventions directly from the customizable Quick Link menus.

Extensive drug library is integrated with physiology.

Navigate controls by clicking the patient diagram.

Password protected multi-user system allows institutions to set privileges of users and operators.

Medication Monitor shows current concentration of any administered medication in the patient. Administered drugs can be “reset,” immediately removing all effects of the medication from the patient for learning purposes.

**TouchPro Simulated Patient Monitoring Software**

Müse comes with the TouchPro Patient Monitoring software that looks and acts like a real-world patient monitor including touch-screen capability and capnography.

- Operates wirelessly or via wired Ethernet
- Can be run on a touch-screen computer or tablet
- Waveforms and numeric vitals can be changed with drag and drop simplicity
- Can display up to six waveform traces and four numeric vitals
- Web browser-based for PC or Mac

**Waveform Selection**

- 12-Lead ECG — Adult Simulators
- Arterial Blood Pressure
- Central Venous Pressure
- Pulse Oximetry Graph
- Capnogram
- Pulmonary Artery Pressure

**Numeric Selection**

- Heart Rate
- Pulse
- Arterial Blood Pressure
- MAP
- NIBP
- Pulmonary Artery Pressure
- PCWP
- Central Venous Pressure
- Continuous Cardiac Output
- Thermodilution Cardiac Output
- Respiratory Rate
- \( \text{SpO}_2 \)
- \( \text{PAO}_2 \)
- \( \text{PaO}_2 \)
- \( \text{PaCO}_2 \)
- \( \text{EtCO}_2 \)
- \( \text{PV}_O_2 \)
- \( \text{PV}_C_0_2 \)
- ICP
- Body Temperature
- Blood Temperature
- Axillary Temperature
- Rectal Temperature
METIman Clinical Features and Options

**MANNEQUIN**
- Convulsions/Seizure/Fasciculation
- Bronchial occlusion
- IM injection site in right and left deltoid region
- IV cannulation bilaterally (multiple locations with flashback)
- Works with various wound modules and moulage kits
- Extensive drug formulary with modeled physiology

**AIRWAY**
- NEW! Updated Airway – interacts with more airway management devices for effective training and better patient outcomes.
- Head tilt/chin lift
- Jaw thrust with articulated jaw
- Tongue swelling
- Bag-valve-mask ventilation
- Transtracheal jet ventilation
- Combitube and other airway placement
- Tracheostomy tube placement and maintenance
- Surgical cricothyrotomy
- Needle cricothyrotomy

**ARTICULATION**
- Lower and upper extremity articulation
- Ability to detach arms at elbows bilaterally
- Ability to detach legs at knees bilaterally
- Full range of motion of neck

**ASSESSMENT**
- Blinking eyes: slow, normal, fast and winking, open, closed or partially open
- Reactive pupils
- BP auscultation bilaterally
- BP by palpation bilaterally
- Bilateral and unilateral chest rise and fall

Oxygen saturation and waveform
- Vital signs automatically respond to blood loss and therapy

**BILATERAL PULSES**
- Carotid, brachial, radial, femoral, popliteal, posterior tibial, dorsalis pedis

**CARDIAC**
- Defibrillation and cardioversion (biphasic or monophasic, use of hands-free pads)
- Pacing (use of hands-free pads)
- 12-lead ECG
- Chest compressions generate palpable pulses and blood pressure waveforms
- Compliant with 2010 AHA Guidelines

**GENITOURINARY**
- Male external genitalia
- Female external genitalia
- Urinary output
- Foley catheterization

**METIMAN NURSING**
**SPECIAL FEATURES**
- Nasogastric tube placement, gastric gavage and lavage
- Airway secretions and suctioning
- Central venous catheter (subclavian) unilateral

**METIMAN PREHOSPITAL**
**SPECIAL FEATURES**
- Intubation, including endotracheal, nasotracheal, retrograde, fiber optic and right mainstem
- Posterior pharyngeal swelling
- Laryngospasm
- Airway complications such as:
  - Can’t intubate/can ventilate
  - Can’t intubate/can’t ventilate
- Breakaway incisors
- CO₂ exhalation for colorimetric end-tidal detection
- Gastric distention
- Needle decompression (mid-clavicular, 2nd intercostal space bilaterally)
- Secretions from eyes, nose and mouth

**SYSTEM**
- Two patients
- Four pre-configured SCEs
  - Anaphylaxis
  - Heart Failure with Pulmonary Edema
  - Severe Young Asthmatic
  - Subdural Hematoma
- User-created SCE editing
- Ability to set fixed vital signs (HR, BP, RR, SpO₂ and others)
- Battery powered for four hours
- External battery charging
Easily integrate METIman simulation into any curriculum

CAE Healthcare’s learning applications allow you to seamlessly integrate simulation into any curriculum. Each learning application contains evidence-based Simulated Clinical Experiences (SCEs) that include patient histories, learning objectives, facilitator debriefing points, an equipment and supply list and references.

Our most popular learning applications for METIman:
- Advanced Cardiac Life Support (ACLS)
- EMS Modules I-IV
- PNCI Version Five
- Foundations of Nursing Practice
- Adult Nursing
- Disaster Medical Readiness
- Tactical Medical Care

STANDARD EQUIPMENT
- METIman mannequin
- Instructor’s laptop workstation or ruggedized tablet PC
- Müse software
- Four SCE development licenses
- Choice of TouchPro patient monitor computer or hands-free cable kit
- One year support and maintenance

OPTIONAL EQUIPMENT
- Deluxe soft-sided carrying case
- Computer bag
- Additional TouchPro patient monitor computer
- Additional battery pack and charger
- Learning Applications
- Intraosseous access (tibia for METIman Prehospital only)
- METI FX wound kit
- Pharmacology Editor
- Disposable CO₂ canisters (set of 4)
- Wall air kit
- Hands-free cable kit
- Ruggedized tablet PC
CAE Healthcare offers simulation-based patient, imaging, surgical and learning solutions to improve patient safety and outcomes. Our leading-edge products and learning modules provide risk-free practice and professional development to physicians, nurses, EMS responders, military medics, students and allied health professionals around the world.

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