METIman

THE RIGHT MAN FOR THE JOB™

METI Learning

METIman features

CLINICAL FEATURES

- Bag valve mask ventilation
- Blinking eyes: slow, normal, fast and winking, open, closed or partially open
- Reactive pupils
- BP auscultation bilaterally
- BP by palpation bilaterally
- Bronchial occlusion
- Chest excursion
- Convulsions/Seizure/Fasciculation
- IM injection site in right and left deltoid region
- IV cannulation bilaterally (multiple locations with flashback)
- Simulated spontaneous breathing
- Vital signs automatically respond to blood loss and therapy
- Works with various wound modules and moulage kits
- Extensive drug formulary
- Bilateral and unilateral chest rise and fall
- Oxygen saturation and waveform

METIman NURSING

- Central venous catheter (subclavian) unilateral
- Positive pressure ventilation
- Reservoir for GI contents (aspiration and infusion)

METIman PREHOSPITAL

- Bleeding features include arterial and venous
- CO_2 exhalation for colorimetric end-tidal detection
- Secretions - eyes, nose and mouth
- Ventilation

AIRWAY

- Head tilt/chin lift
- Jaw thrust with articulated jaw
- Tongue swelling

METIman PREHOSPITAL

- Endotracheal intubation
- Retrograde intubation
- Fiberoptic intubation
- Transtracheal jet ventilation
- Orotracheal intubation
- Right main stem intubation
- Combitube, LMA and other airway placement
- Variable airway resistance
- Stomach distention
- Airway complications such as:
  - Can't intubate/can ventilate
  - Can't intubate/can't ventilate
- Nasotracheal intubation
- Tracheostomy tube placement
- Surgical cricothyrotomy
- Needle cricothyrotomy
- Posterior pharynx swelling
- Laryngospasm
- Teeth including breakaway incisors

METIman NURSING

- Nasogastric tube placement, gavage and lavage
- Tracheostomy tube placement
- Airway secretions and suctioning via tracheostomy tube

BILATERAL PULSES

- Carotid
- Brachial
- Radial
- Dorsalis pedal
- Femoral
- Popliteal
- Posterior tibial

CARDIAC

- Defibrillation and cardioversion (biphasic or monophasic, use of hands-free pads)
- Compliant with 2010 Guidelines
- Pacing (use of hands-free pads)
- 5 lead ECG
- Chest compressions
- CPR compressions generate palpable pulses, blood pressure wave form and ECG artifacts

GENITOURINARY

- Male external genitalia
- Female external genitalia
- Urinary output

TRAUMA

- Chest tube bilaterally with fluid output
- Blood on board

METIman PREHOSPITAL

- Needle decompression (mid-clavicular, 2nd intercostalspace bilaterally)

SOUNDS

- Bowel sounds (normal and abnormal) in all four quadrants
- Heart sounds (normal and abnormal)
- Breath sounds anterior (normal and abnormal)
- Breath sounds posterior (normal and abnormal)
- Ability to play different breath sounds at different locations
- Stridor
- Male and female vocalization and speech (canned)
- Vocalization and speech (wireless microphone)

MONITORING

- Pulse oximetry by finger probe
- TouchPro Patient Monitor software

ARTICULATION

- Full ROM of upper extremities with articulation
- Ability to detach arm at elbow bilaterally
- Full ROM of lower extremities with articulation
- Ability to detach legs at knees bilaterally
- Full ROM of neck

SYSTEM

- Simulation controls include:
  - Fast forward
  - Pause
  - Rewind
  - Save/Restore
- Set of four pre-configured SCEs
- User created SCE editing
- Ability to set fixed vital signs (HR, BP, RR, $Sp0_2$ and others)
- Battery powered for four hours
- External battery charging

STANDARD EQUIPMENT

- Adult mannequin
- Instructor's laptop
- Müse user interface
- METI physiologic modeling engine

OPTIONAL EQUIPMENT

- Deluxe soft-sided carrying case
- Shoulder bag
- TouchPro touch screen display
- Additional battery pack and charger
- METI Learning Modules
- Intraosseous access (tibia and sternum) (METIman Prehospital only)

METIman

Learning has never been this easy

Automatic, consensual pupillary response to light, or pupil size and reaction may be controlled independently to simulate neurologic trauma. Automatic and manually adjustable blink speed.

METIman PREHOSPITAL:
Blood and clear fluid secretions from eyes (bilaterally), nose and mouth.

Ability to set fixed or model-driven vital signs, including heart rate, blood pressure, respiratory rate and SpO_2 among others.

Interchangeable male and female genitalia, which allows for insertion of urinary catheters with urinary output.

METIman PREHOSPITAL:
Clinical signs and interventions include: nasal and endotracheal intubation, laryngospasm, tracheostomy, cricothyrotomy, chest compressions, defibrillation, pacing, chest tube with fluid output, needle thoracentesis bilaterally.

METIman NURSING:
Clinical signs and interventions include: tracheostomy and ability to suction simulated airway, secretions from airway, nasogastric insertion and ability to aspirate and infuse fluids, central venous catheter, chest compressions, defibrillation, pacing, chest tube with fluid output.

Bilateral vascular access for IV cannulation including multiple locations with flashback.

Realistic trauma and wounds with bleeding and ability to detach limbs bilaterally for traumatic amputation simulation.

and affordable.

Innovative. Inside and Out.

METIman is a new kind of simulator that gives you all the power of a METI at a price that allows you to have more of what you want – cutting edge simulation technology. With its advanced capabilities and affordability, METIman puts the latest in simulation engineering directly in your hands. METIman is the first mannequin-based simulator on the market that's fully instrumented and fully autonomous. 100% built-in, wireless system, extended battery power and reactive eyes are just a few of the simulator's unique and extensive features.

Built for Nursing and Prehospital.

METIman was designed with the help of real-world nurses and medics so it's focused on everything you need to teach the fundamentals of nursing and prehospital practice. Whether you are training across town or across the hall, METIman is built tough to withstand a wide variety of real-life, indoor and outdoor learning environments. And, METIman is designed to make running your simulator as easy as a click of a button. Whether setting fixed or model-driven vital signs for everything from heart rate and blood pressure to respiratory rate and S_PO_2 levels, METIman puts it all at your fingertips.

100% wireless with on-board fluid, electrical and pneumatic systems for bleeding, pulses and other realistic clinical signs.

A New User Interface - Müse®.

METIman comes standard with METI's extraordinary, user interface, Müse. From running your simulator to accessing and managing patients and scenarios, Müse offers drag-and-drop simplicity and touch-screen capability making control as simple as a tap of the finger. Müse runs on web-based technology so it connects wirelessly to your network whether PC or Mac-based. Müse comes with the TouchPro software that emulates a real-world patient monitor including touch-screen capability and capnography.*

METIman comes standard with everything you need including: mannequin, laptop computer, web-based user interface, Müse, TouchPro Software, standard healthy adult patient profile, Simulated Clinical Experiences™ (SCEs) and METI Drug Library.

TouchPro™

* Touch-screen hardware is available as an option.

Bring your simulation to life.

METI's Foundations of Nursing Practice and Emergency Medical Services Learning Modules provide you with turnkey educational solutions for teaching basic nursing and prehospital skills with your METIman. Each Module comes with carefully defined SCEs that allow you to easily integrate specific learning content into your teaching curriculum.

Foundations of Nursing Practice

This Learning Module is designed for beginning students in all types of professional nursing programs. The following 10 SCEs provide fundamental nursing concepts, skills and techniques of nursing practice and the foundation for more advanced areas of study:

- Basic Assessment of the Adult Patient with Asthma
- Basic Assessment of the Cardiac Patient
- Basic Assessment of the Teenage Athlete with Fluid and Electrolyte Imbalance
- Basic Assessment of the Hip Replacement Patient
- Chest Tube Insertion and General Ongoing Care
- Postoperative Care of the Patient with Complications: Deep Vein Thrombosis
- Postoperative Care of the Patient with Complications: Ileus
- Preoperative Care of the Patient Scheduled for a Cholecystectomy
- Skill Validation
- Suctioning and Trachea Care with Hypoxia

**See a full list of Learning Modules for METIman at METI.com.*

Emergency Medical Services

This Learning Series will consist of seven modules with 10 SCEs each that provide graded learning and performance objectives spanning across all EMS provider levels described in national standards and cover an array of trauma, cardiac and respiratory SCEs.

EMS I Module

- Adult Asthma
- Altered Mental Status/Cardiac Arrest
- Cerbrovascular Accident Brain Attack
- Introduction to Sounds of the Body
- Periods of Apnea
- Pulmonary Embolism
- Pneumonia
- Respiratory Medications
- Spinal Cord Injury
- Thermal Injury

EMS II Module

- Heroin Overdose
- Tension Pneumothorax
- Agents for Rapid Sequence Intubation
- Epidural Hematoma
- Megacode Challenge
- Kidney Stones
- Increasing Intracranial Pressure
- Fluid and Electrolyte Imbalance
- Asystole
- Pelvis and Leg Injury

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For more information regarding METIman and other METI products, contact your regional sales manager, the METI distributor in your country or visit meti.com.

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