

## Multiple airway skills/features

- Controllable open/closed airway; automatically or manually controlled
- Head tilt/Chin lift
- Jaw thrust w/articulated jaw
- Suctioning (Oral and Nasopharyngeal)
- Bag-mask ventilation
- Orotracheal intubation
- Nasotracheal intubation
- Combitube, LMA, and other airway placement
- Endotracheal tube intubation
- Retrograde intubation
- Fiberoptic intubation
- Transtracheal jet ventilation
- Needle cricothyrotomy
- Surgical cricothyrotomy
- Variable airway resistance on/off
- Right main stem intubation
- Stomach distention
- Decreased range of cervical motion

## Eyes

Blinking - slow normal fast and winks

Drinking - slow, normal, fast and vomit

- Open, closed and partially open
- Pupillary accommodation: - Synchrony/asynchrony - Normal and sluggish speed of response

## Vascular access

- IV arm (right arm) Establish IV
- Intraosseous access (tibia and sternum)

## Breathing features

- Simulated spontaneous breathing
- Bilateral and unilateral chest rise and fall
- CO<sub>2</sub> exhalation
- Normal and abnormal breath sounds
  - 5 anterior auscultation sites
  - 6 posterior auscultation sites

## Pharmacology

- Manual drug recognition
- Extensive formulary

## Circulation features

- BP measured manually by auscultation of Korotkoff sounds
- Carotid, femoral, radial, dorsalis pedis, posterior tibialis pulses and brachialis (only left side) synchronized with ECG

Pulse strength variable with BP

- Pulse Palpation is detected and logged

## Cardiac features

- Extensive ECG library
- Heart sounds – four anterior locations
- ECG rhythm monitoring (4 wire)
- 12 lead ECG display
- Defibrillation and cardioversion
- Pacing

## System features

- Wireless tablet PC controls simulator remotely
- Control multiple manikins from one interface
- Control simulations from anywhere on your network
- Multiple interfaces can control/observe a single simulation
- Instructor Mode
  - Precise control “on the fly”
  - Design and program custom scenarios
  - Create custom events
  - Run pre-packaged scenarios
  - Runs all SimMan and SimMan 3G scenarios and Patient Cases
- Auto Mode
  - Physiological and pharmacological models run pre-packaged simulations
  - Unique, simple slider control difficulty and pace

- Simulation controls: Profile Editor
  - Fast forward, Pause, Rewind, Save/Restore
- Future prediction and patient outcome display
- Integrated video debriefing
- Data logging
- Instructor comments
- Works with existing SimMan 3G Scenarios

## Other features

- Foley catheterization
- Bowel Sounds – four quadrants
- Patient Voice
  - Pre-recorded sounds
  - Custom sounds
  - Instructor can simulate patient's voice wirelessly
- Instructor Communication
  - Multiple instructors communicate using integrated voice over IP

## Patient Monitor (Optional)

- Wireless
- Highly configurable
- X-Ray Display

12 Lead ECG Display

- Custom Image Display
- Custom Video Display
- Oxygen saturation and waveform