

## **Highlights**

- Simulation Made Easy™
- 10 preprogrammed scenarios
- Modify scenarios or create your own
- Intubatable and programmable airway
- Program respiratory rate / sounds / chest rise
- Program heart rate / sounds
- Ventilation / compression / feedback
- Defibrillate / cardiovert / pace
- Blood pressure on left arm
- Bilateral IV arms
- IO leg
- ECG
- Includes 15 inch laptop PC

## **Easy to use Software**

- 10 preprogrammed scenarios
- Includes 15 inch widescreen laptop PC
- Instructor control
- Use our preprogrammed scenarios, modify them, or create your own quickly and easily
- Access the “Details” page and jump between physiologic states in response to the interventions of caregivers
- Change conditions such as heart rate and blood pressure immediately or specify smooth transitions
- Link “Palette” items to build a linear or branching scenario
- Pause the scenario or jump to the next critical decision point

## **Airway**

- Oral or nasal intubation
- Program tongue edema or laryngospasm
- Use an ET tube or LMA
- Sensors detect depth of intubation
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds synchronized with breathing

## **Breathing**

- Control rate and depth of respiration and observe chest rise
- Ventilation is measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left and right lung sounds

- Chest rise and lung sounds are synchronized with selectable breathing patterns
- Accommodates assisted ventilation, including BVM.
- Unilateral chest rise simulates tension Pneumothorax
- Multiple lung and breath sounds with volume control

## **Circulation**

- Multiple heart sounds, rates and intensities
- Chest compressions are measured and logged
- Blood pressure can be taken on left arm using a modified cuff, palpation, or auscultation.  
Korotkoff sounds audible between systolic and diastolic pressures
- Bilateral carotid and femoral pulses, plus left radial pulse operate continuously
- Pulse strengths vary with HAL's blood pressure and pulses are synchronized with the ECG
- Oxygen saturation placement detection using real monitors

## **Defibrillation and Cardioversion**

- HAL® has conductive skin regions so you can apply real electrodes and AED pads
- Defibrillate cardiovert and pace using real EMS equipment and see HAL's ECG on your AED
- Program HAL's response to defibrillation
- Stack shocks as needed
- HAL® even distinguishes between defibrillation and synchronized cardioversion
- HAL® can be paced anteriorly at the defibrillation sites

## **ECG**

- View dynamic ECG, in your real ECG monitor  
Log
- Track the actions of up to six care providers using our response menu or write a narrative
- Links with optional audio-visual system that integrates the event log with feeds from camera and  
the simulated patient monitor for comprehensive debriefing