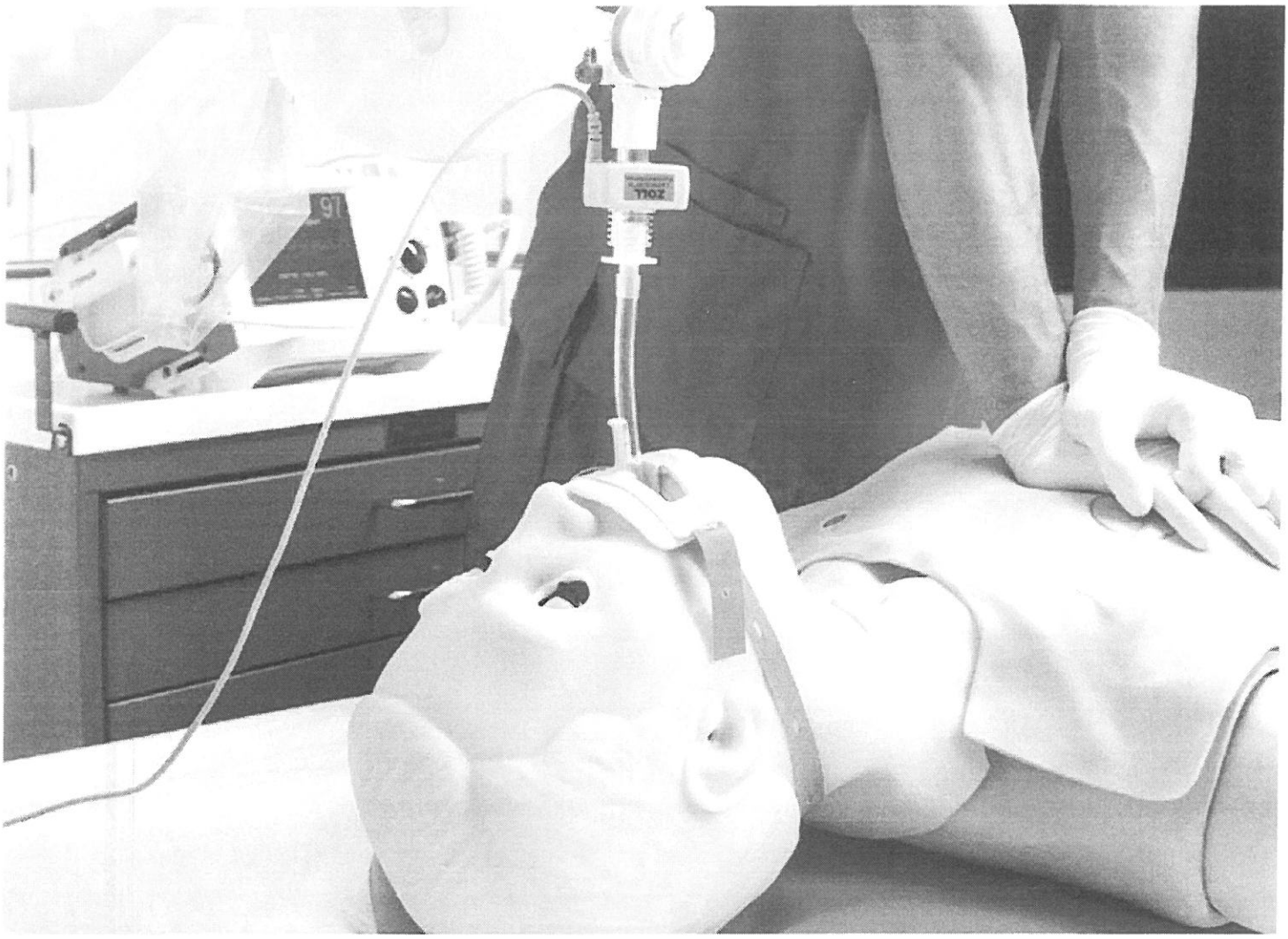
Gaumard®

Leadership Through Innovation™



HAL® S3000

Wireless and Tetherless Prehospital and Nursing Patient Simulator

- Programmable airway, breathing, and circulation
- eCPR™ - CPR effectiveness monitoring
- Advanced surgical airway
- Real ECG monitoring and defibrillation
- Wireless and tetherless mobility for care in motion training
- Airworthiness Certified

HAL® S3000 | A Proven Tetherless Patient Simulator

HAL is an effective simulation tool for training prehospital and nursing care students and professionals. Use HAL to train individual and team skills at the point-of-injury, during transport, and in the hospital, in both real and simulated environments. HAL is completely self-contained and wireless, making it easy to transport and to set-up.

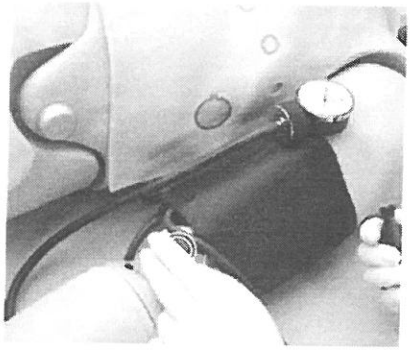
Neurologic
- Active Eyes; programmable blink rate, pupil size, and pupil reaction
- Severe or mild seizures
- Preprogrammed speech responses

Airway
- Oral or nasal intubation: ETT, LMA, King LT
- Programmable difficult airway: Laryngospasm, pharyngeal swelling, tongue edema
- Sensors detect depth of intubation
- Surgical airway: tracheostomy or needle cricothyrotomy
- Unilateral chest rise with right mainstem intubation
- Multiple upper airway sounds

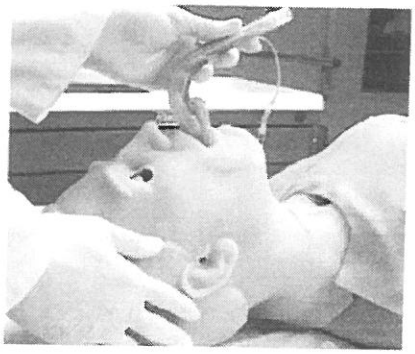
Breathing
- Control rate and depth of respiration and observe spontaneous breathing
- Ventilation is measured and logged
- Gastric distension with excess BVM ventilation
- Select independent left, right, upper, and lower lung sounds
- Accommodates assisted ventilation including BVM and mechanical support
- Tension pneumothorax and bilateral needle decompression sites
- Bilateral chest tube sites at 5th intercostal space
- Optional Real EtCO2

Cardiac/Circulation
- Normal and abnormal heart sounds, rates, and intensities
- ECG monitoring using real devices
- eCPR sensors; Chest compressions are measured and logged
- Bilateral IV sites
- Measurable blood pressure with audible Korotkoff sounds
- Visible cyanosis
- Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses

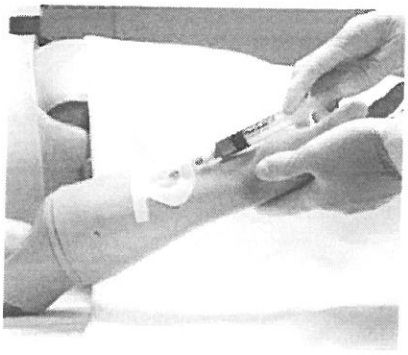
Other
- Bowel sounds 4 quadrants
- Male/Female catheterization



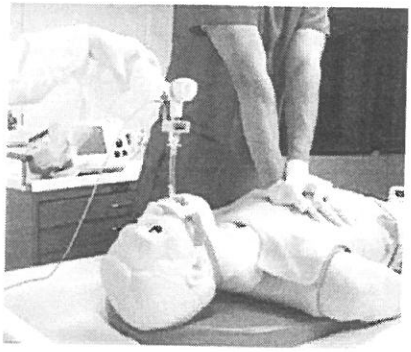
Blood pressure can be taken using a BP cuff, palpation, or auscultation methods



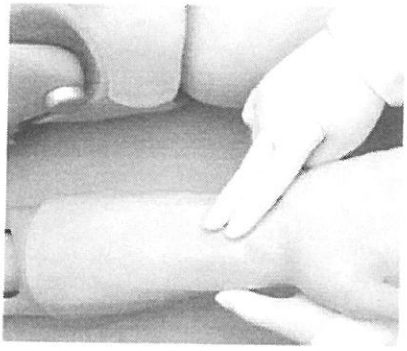
Train oral or nasal intubation: ETT, LMA, King LT. or via tracheostomy or needle cricothyrotomy



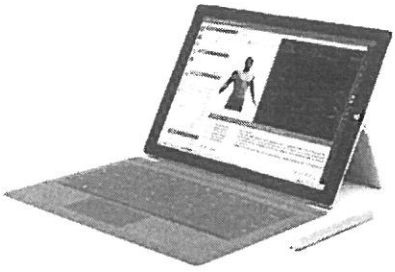
Bilateral IV training arms; train bolus and/or IV infusion



eCPR™ Train using real-time CPR quality metrics and smart coaching. Real EtCO2 capability



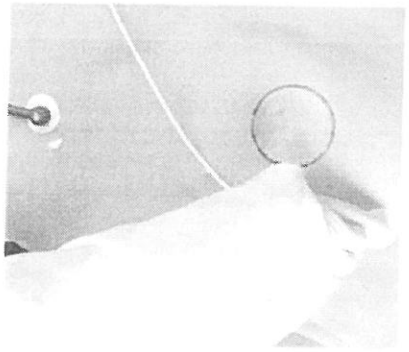
Bilateral carotid, radial, brachial, femoral, popliteal, and pedal pulses. Pulse strengths vary with BP and pulses are synchronized with the ECG



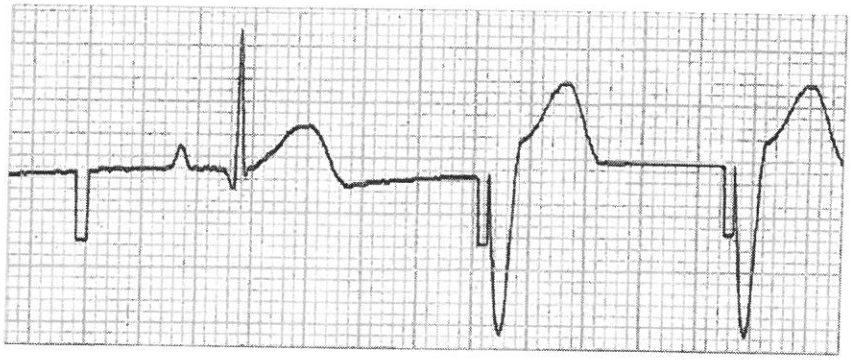
Includes wireless tablet PC and UNI® simulator control software. Control him at distances up to 300 meters

HAL® S3000 | A Proven Tetherless Patient Simulator

HAL's physiological features allow leaners to monitor and manage an infinite number of simulated conditions using real tools and medical devices. HAL's conductive skin regions support ECG monitoring in real-time, pacing, cardioversion, and defibrillation using your native equipment.

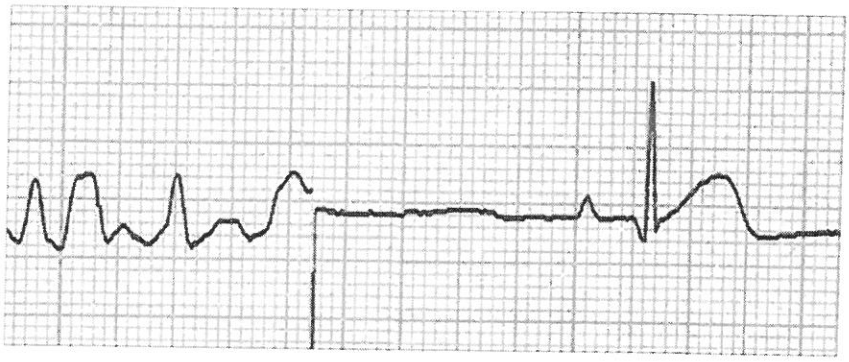


Attach real electrodes and monitor HAL's lifelike rhythm in real-time; easily change rhythms with one click

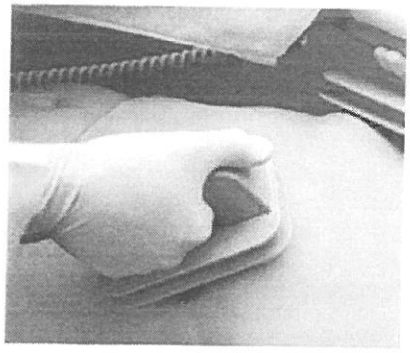


Here pacing therapy converts HAL's profound bradycardia into paced ventricular rhythm. HAL can be paced anteriorly at the defibrillation sites

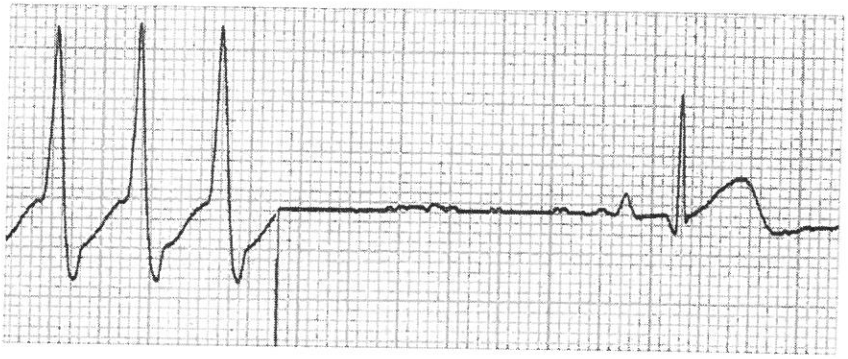
Monitor, capture, pace, and cardiovert using a real defibrillator, electrodes, and real energy



Program HAL's response to defibrillation. Stack shocks as needed. Here an AED is shown converting HAL's ventricular fibrillation into normal sinus rhythm



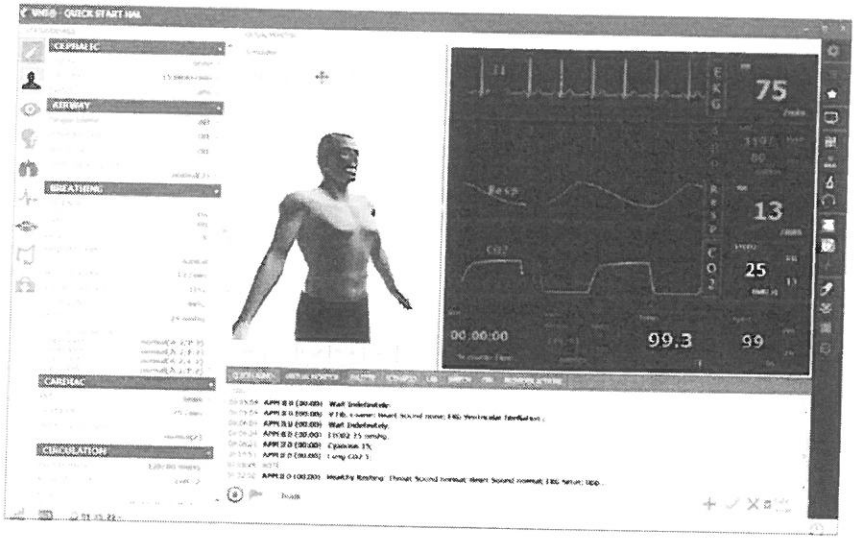
Use monophasic or biphasic defibrillators just like a real patient



HAL even distinguishes between defibrillation and synchronized cardioversion. Here a shock resolves pulseless ventricular tachycardia.

UNI® Unified Simulator Control Software

The UNI® interface design is shared across our growing line of 15+ computer controlled patient simulators, so you can easily operate any Gaumard products without retraining, thus saving your program valuable time and money.



Preconfigured and ready
UNI comes preloaded and preconfigured on the rugged 12" wireless tablet PC included.

3D Patient Visualization Monitor
This real-time 3D view of the patient ensures you never lose track of provider/patient interaction during the simulation.

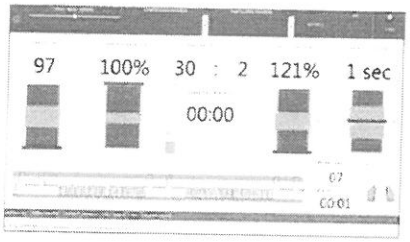
Powerful Easy-to-use Controls
Control HAL using preprogrammed scenarios, on-the-fly controls, or optional physiologic model

Scenario library included
Quickly and easily create your own scenarios and share them.

Time stamped event recording and reporting
The automated event tracking and interaction recorder ensures important events are always captured so you can focus on the action.

Control View Replay – The built-in recorder captures UNI's screen as data so you can review the simulation from the operator's chair.

eCPR™ Monitoring
Monitor and assess CPR performance in real-time, simulate perfusion dependent on effectiveness, and export performance reports for debriefing.



No annual operating license or software update fee
Keep your program's operating costs down year after year.

Request a Quote
Sales inquiries / Customer Service
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Toll Free USA - 800.882.6655
Call 8:00 a.m. - 7:30 p.m.
ET Monday - Friday
Worldwide 305.971.3790
Fax 305.667.6085 305.252.0755
www.Gaumard.com

Order Information

HAL S3000
- Tetherless Adult Patient Simulator
- Wireless tablet PC; UNI license
- Preprogrammed scenarios
- Battery charger, BP cuff, surgical trachea kit, pneumo. decompression sites, user guides

Patented: other patents pending
S3000

Options and Accessories

Wireless Streaming Audio
Bidirectional digital voice and data communication
S3000.300

Real CO2 Exhalation
- Real and measurable EtCO2 with 10 programmable levels of CO2 output.
- Internal CO2 system allows tetherless operation.

S3000.078

Advanced 12-Lead ECG
- Capture 12 lead using real ECG monitor. Interactive 12 lead ECG Designer
- 3D Myocardial Infarction Designer.

S3000.120

Automatic Physiologic Control
- Automatic physiological responses to care provided, medications, blood loss and more.
- 50+ preprogrammed drug library

S3000.600

20" Touchscreen Patient Monitor
S3000.001.R2

12" Portable Virtual Patient Monitor
S3000.002

Traumatic Leg, arm Amputation
S3000.004, S3000.005

Casualty, Emergency, Trauma, Burn wound kits
WK120, WK100, WK110, WK105

Intraosseous Leg
8 tibia, 75ml reservoir, Skin cover
S3000.028

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