



**Gaumard®**  
Simulators for Health Care Education



# Pediatric HAL® S3004

## One-Year-Old Pediatric Simulator

- Simulation Made Easy®
- Tetherless with wireless communication
- Fully responsive even while being carried
- Modeling and trending
- Comprehensive performance feedback
- Includes Pediatric HAL Simulation Learning Experiences™ scenario package

## Meet Pediatric HAL®, toddler-sized high-fidelity simulator.

Pediatric HAL is a high-fidelity toddler patient simulator specifically designed to meet the needs of pediatric care training programs. Pediatric HAL can help your team train to improve teamwork and patient care through scenario-based training.



### Wireless and tetherless

Transitions between physiologic states in response to commands from a wireless tablet PC.



### Active eyes

HAL has blinking eyes with photosensitive pupils. Dilation, reactivity, and blink rate can be controlled automatically or by the instructor.



### Defibrillate, cardiovert, and pace

HAL's electrically conductive skin sites allow the use of real equipment to monitor ECG, pace, cardiovert, and defibrillation with live energy.



### Airway and breathing

Improved airway allows better visualization of vocal cords and easy intubation.



### Intraosseous access

Intraosseous infusion and injection system with realistic tibia bones.

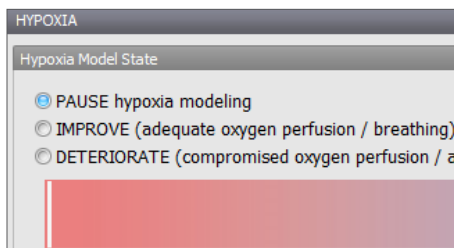
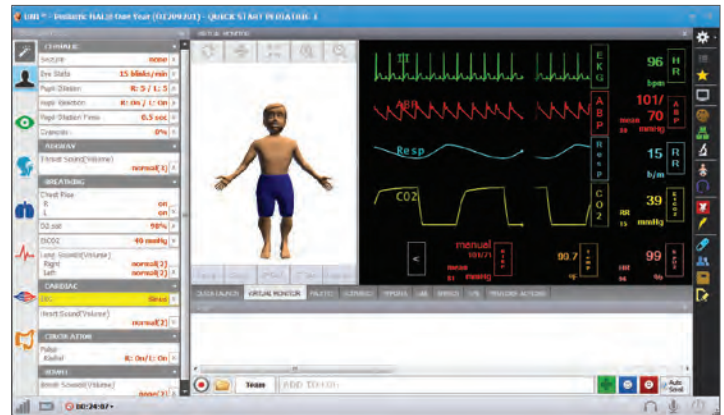


### Cyanosis

Color and vital signs respond to hypoxic events and interventions.

## UNI® Simulator Control Software

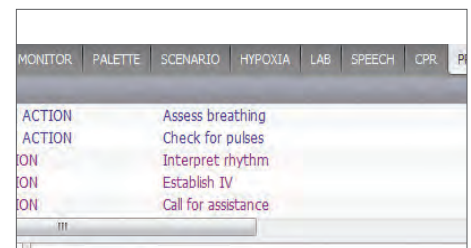
- Use our scenarios, modify them, or quickly build your own
- Change physiologic states “on the fly” using wireless control
- Changes in condition and care are time-stamped and logged
- Link “Palette” items to build a linear or branching scenario
- Sensors track interventions as well as changes to the condition of Pediatric HAL
- Lab tab allows creation of laboratory tests and results
- The Status panel on the left edge of the GUI window shows vital signs and other details
- Get real-time feedback on the quality of compressions and ventilations



Hypoxic model responds to care provider actions



Scenarios link physiologic states



Track the actions of up to six care providers



## Includes the new Pediatric HAL® Simulation Learning Experiences™ scenario package.

The new Pediatric HAL Simulation Learning Experiences (SLEs) package provides you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant's learning through outcome-focused simulated clinical patient encounters. The package includes 10 SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience.

1. Appendicitis
2. Acute Lymphocytic Leukemia
3. Organophosphate Poisoning
4. Post-Op Cardiac Transplant
5. Respiratory Syncytial Virus (RSV)
6. Seizure Management
7. Sepsis
8. Status Asthmaticus
9. Trauma
10. Trauma Related to Child Abuse

## Features

### General

- Physical size of a 1-year-old child
- Supports common patient positions including Fowler's, supine, and sitting
- Joint range of motion
- Tetherless and wireless; fully responsive during transport<sup>1</sup>
- Internal rechargeable battery provides up to 3 hours of tetherless operation<sup>2</sup>
- Available in light, medium, or dark skin tone at no extra charge
- Programmable blinking rate
- Active pupillary light reflex
- Seizures with selectable intensities

### Airway

- Wireless streaming voice option
- 50+ prerecorded speech responses
- Anatomically accurate oral cavity and airway
- Airway sounds
- Programmable crying included with streaming voice option
- Oral and nasal endotracheal intubation
- Supports NG/OG tube placement (dry exercises only)
- Tongue edema
- Tracheostomy care site; tracheal suctioning (dry exercises only)
- Tracheal intubation depth detection and logging

### Breathing

- Visible chest rise with positive pressure ventilation
- Ventilations are measured and logged in real-time
- Spontaneous breathing with selectable respiratory patterns
- Programmable respiratory rate and inspiratory: expiratory ratio
- Programmable unilateral chest rise and fall
- Real CO<sub>2</sub> exhalation option
- Selectable normal and abnormal lung sounds
- Bilateral anterior lung sounds
- Unilateral chest rise with right mainstem intubation

### Circulation

- eCPR™ Real-time CPR performance monitoring and training
- Chest compressions generate palpable pulses
- Programmable normal and abnormal heart sounds synchronized with ECG
- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring with real devices
- Defibrillation, cardioversion, and pacing using real devices and live energy
- Central cyanosis with variable intensities
- Detects placement of real pulse oximetry devices
- Palpable bilateral pulses (automatic): carotid, brachial, radial, and femoral pulses
- BP measurement by auscultation using a sphygmomanometer
- Realistic Korotkoff sounds
- Bilateral IV access: bolus, infusion, and sampling
- Intraosseous access proximal tibia

### Other

- Selectable normal and abnormal bowel sounds
- Urinary catheterization with fluid return
- Interchangeable female and male genitalia

## Pediatric HAL® S3004

### S3004.PK

S3004 Pediatric HAL, tablet PC with UNI® software, SLE scenario package, RF communications module, Bluetooth communications module, battery charger, accessories, carrying case, user manual. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge.

## Gaumard Vitals™ Bedside Virtual Monitor

### 30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

## Gaumard Vitals™ Portable Virtual Monitor

### 30081003A

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

## Wireless streaming audio<sup>3</sup>

### S3004.300

Add pre-recorded crying or be the voice of Pediatric HAL and increase realism during simulated patient-provider interactions.

## CO<sub>2</sub> exhalation regulator

### S3004.178

Real and measurable EtCO<sub>2</sub> with 10 programmable levels of CO<sub>2</sub> output.

## Care in Motion™ Mobile Video Debriefing System

### CIM.PK

Care in Motion Tablet PC, 3 Battery-powered HD wireless cameras, 3 adjustable camera grips, transport case. One-Year Limited Warranty. Extended service plans available.

## Request a quote

[www.gaumard.com/quote](http://www.gaumard.com/quote)

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Toll-Free USA & Canada

1.800.882.6655

Worldwide 305.971.3790

1. Maximum wireless range will vary depending on environmental factors and conditions. 2. Battery life estimates dependent on active features and settings; results may vary. 3. Available at the initial time of purchase only. Price without options, discounts, or special offers. Taxes and other fees not included. Extended service plans, product installation, and training services are available. Product design and price subject to change without notice. All trademarks and/or copyright materials are the property of their respective owners. © 2021 Gaumard Scientific. Patented; other patents pending. All Rights Reserved. MADE IN USA. 11190064C