HAL® S3005

Five Year Old Pediatric Simulator

- Simulation Made Easy™
- Proven HAL® technology
- Tetherless with wireless communications
- Fully responsive, even during transport
- Wireless streaming audio
- Automatic or instructor control

AIRWAY

- Oral and nasal intubation
- 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
- Realistic geometry, larger epiglottis and better visualization of vocal cords as well as easy intubation
- Improved chest recoil during CPR
- Lung compliance refined to deliver chest rise when ventilating at 20cm H_2O

BREATHING

- Control rate and depth of respiration and observe chest rise
- Ventilations measured and logged
- Gastric distention 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 and mechanical support
- Unilateral chest rise and multiple breath sounds

CIRCULATION AND COLOR CHANGE

- Multiple heart sounds, rates and intensities
- Chest compressions are measured and logged
- Blood pressure can be taken using a cuff, palpation, or auscultation
- Korotkoff sounds audible between systolic and diastolic pressures
- Color and vital signs respond to hypoxic events and interventions
- Bilateral carotid, brachial and radial pulses operate continuously
- Pulse strengths vary with blood pressure and pulses are synchronized with ECG

EASY TO USE

- Instructor Control
- Software control that is powerful and yet intuitive
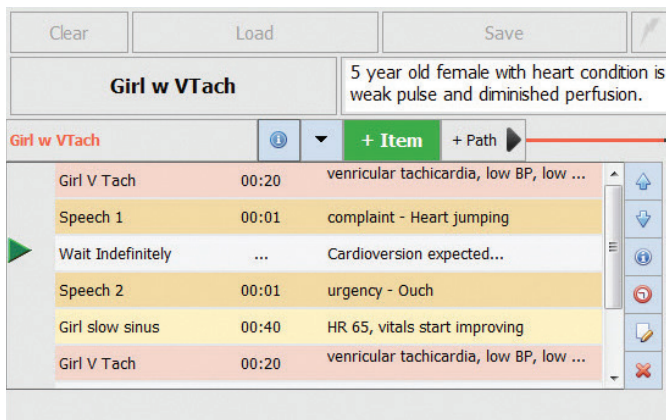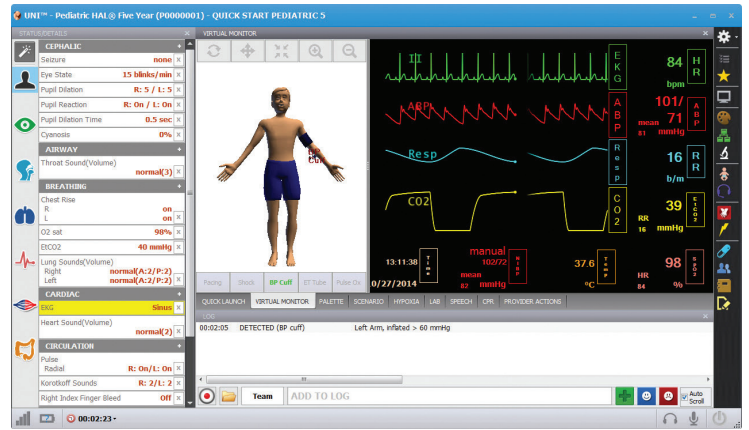- Use our scenarios, modify them or quickly create your own

ACTIVE EYES

- Instructor Control
- Open and close
- Select blink rate
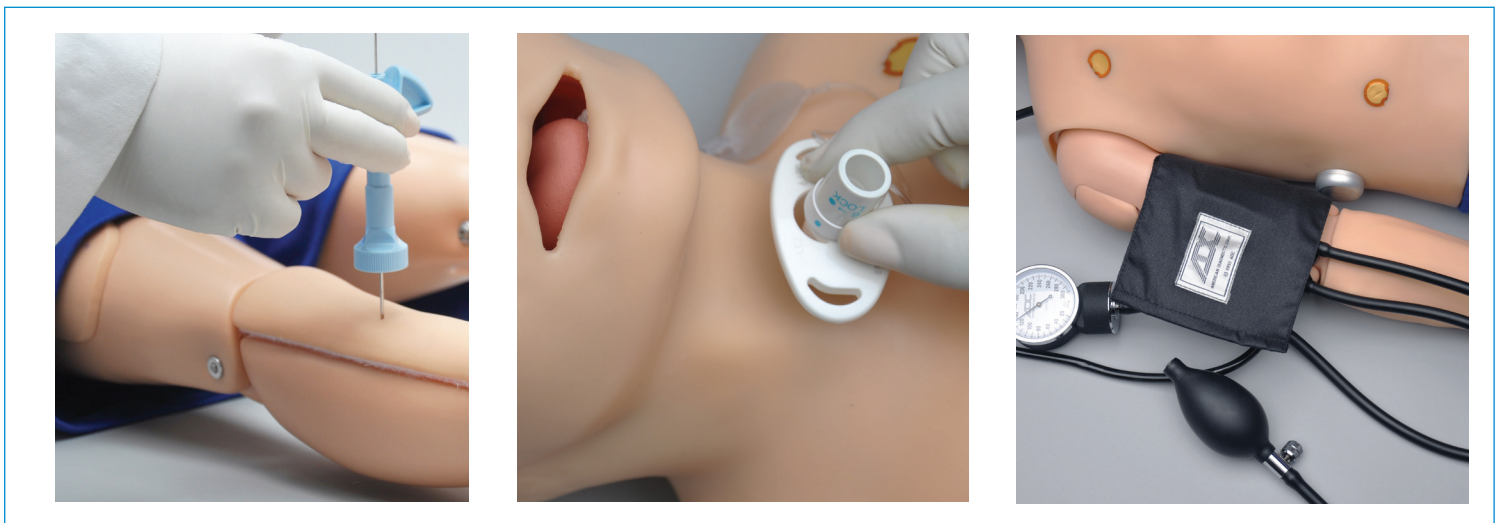- Select pupillary responses to light

HAL® S3005 | *Five Year Old Pediatric Simulator*

- Use our preprogrammed scenarios designed by medical professionals. Modify them or quickly create your own
- Use our library of preprogrammed physiologic states, modify them or specify pediatric HAL's condition using this Details page
- Save each condition as a physiologic state on the palette page
- Control Pediatric HAL using a wireless PC to quickly generate multiple life threatening situations and track the actions of care providers

- Select Pediatric HAL's physiologic states from the palette page and combine them to build a scenario
- Select the time Pediatric HAL is in each state
- Build in delays between states or specify smooth transitions
- When activated Pediatric HAL will progress from one state to the next
- Use stylus control to branch to a different state should the team treat Pediatric HAL incorrectly without stopping the scenario
- Invoke Pediatric HAL's extensive library of voice responses at any time and combine them to facilitate a dialogue
- Actions are logged and time stamped for evaluation and debriefing

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ACTIVE EYES

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- Select blink rate
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FILE SHARING

- Provide students with images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses

LOG

- Track the actions of up to six care providers using our menu of responses or write a narrative
- Links with Pro+ recording and debriefing system integrating the log with cameras and patient monitors

DEFIBRILLATE, CARDIOVERT AND PACE

- Apply real electrodes and AED pads
- Use real EMS equipment
- See electrical interventions on real AED or native ECG monitor
- View ECGs with physiologic variations generated in real-time
- Synchronized with pulses
- Conductive skin regions
- Apply real electrodes

MOTION

- Fully responsive even when carried
- Body convulses on command
- Eyes open / close and feature slow or rapid blinking

HYPOXIC MODELING

- Color and vital signs respond to hypoxic events and interventions

SOUNDS

- Extensive speech library
- Heart sounds include a normal heart as well as splits and murmurs
- Respiratory sounds include normal lungs as well as stridor, bronchial, wheezing, pleural friction and crackles
- Bowel sounds

VENOUS ACCESS

- IV training arms
- IM sites on shoulders and thighs
- Intraosseous access at tibia

CONTROL

- Wireless tablet PC with stylus control
- Communication modules are FCC and CE compliant
- Both physiologic modeling and trending
- Comprehensive performance feedback
- Pre-programmed scenarios
- Build your favorite scenarios

SIMULATOR

- Physical size is 5 years of age
- Self-contained respiratory and circulatory functions
- Active eyes
- NG and otic exercises
- Tracheotomy opening
- Interchangeable genitalia
- Two way wireless communication
- Internal rechargeable power

ACCESSORIES

- 100-240 VAC charger
- Blood pressure cuff
- Instructions
- CDROM tutorial
- Carrying case

OTHER

- One-Year Limited Warranty
- Extended warranty plans available

HAL® S3005

S3005

Patented; other patents pending

Skin tones available at no extra charge

- Light
- Medium
- Dark

OPTIONS

20" TOUCHSCREEN PATIENT MONITOR

S3005.001.R2

12" PORTABLE VIRTUAL PATIENT MONITOR

S3005.002

WIRELESS STREAMING AUDIO

S3005.300

AUTOMATIC MODE

S3005.600

- Responds to caregiver, instructor and pharmacologic intervention
- Pause and resume anytime
- Add meds using drug template

REAL CO$_2$ EXHALATION

S3005.078

- Real and measurable EtCO$_2$
- 10 programmable levels of CO$_2$ output
- Portable design allows continuous monitoring during transport.

REQUEST A QUOTE

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Call Monday - Friday
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