SimJunior® is an interactive pediatric simulator, designed by Laerdal with the American Academy of Pediatrics to meet the education and training needs of healthcare providers.

Used with the SimPad® System or LLEAP software, SimJunior provides learners with immediate feedback and detailed objective evaluation of performance.

www.laerdal.com
## AIRWAY FEATURES
The SimJunior airway is anatomically modeled as far as the trachea.
- Realistic airway with landmarks
- Oral and nasal intubation
- LMA or ET insertion
- Tongue edema
- NG tube (insertion only)
- Cricoid cartilage
- Head tilt & jaw thrust (no sensor)
- Left and right lungs can be either closed or open to allow ventilations

## VASCULAR ACCESS
- IV access (right arm and hand)
- Intraosseous access (right tibia)

## BREATHING FEATURES
- Spontaneous breathing with observable chest rise
- Variable respiratory rates
- Multiple upper airway sounds synchronized with breathing
- Detect and quantity volume of mechanical ventilations (including no ventilations)
- Bag Valve Mask capable
- Oxygen saturation and waveform
- Breathing complications
- Lungs can be closed or open to allow ventilations

## CARDIAC FEATURES
- Defibrillation and cardioversion
- Pacing
- Extensive ECG library
- Multiple heart sounds synchronized with ECG
- ECG rhythm monitoring (3 leads)
- 12 lead ECG display (Optional Patient Monitor)

## CIRCULATION FEATURES
- Blood pressure measured manually by auscultation of Korotkoff sounds
- Bilateral carotid and unilateral brachial and radial (left side) pulses synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation detected and logged
- CPR compressions generate palpable pulses, blood pressure waveform, and ECG artifacts
- Detection and logging of a series of compressions in the data log
- Compliant with 2010 Guidelines

## ADDITIONAL FEATURES
- Interchangeable pupils - normal, dilated, and constricted
- Sounds: Heart, lung, bowel, and patient voice (pre-recorded sounds and wireless microphone)

## SIMPAD® SYSTEM FUNCTION
- Handheld, intuitive touchscreen remote for easy "pick up and play" experience
- Mobile - teach anywhere
- Operate on-the-fly or utilize scenarios and Themes for consistent simulation training
- Time stamped activities, vital signs, and instructor comments are captured in the event log
- The SimPad log files can be viewed on the device or on a PC using Session Viewer for post-simulation reflection and debriefing
- Upload self-authored scenarios and Themes, or download pre-programmed scenarios directly from SimStore

## PATIENT MONITOR (OPTIONAL)
- Touchscreen simulated patient monitor provides concise clinical feedback for physiological parameters.
- The monitor's color screen is configurable and provides multiple simulated parameters, each presenting multi-level alarms.
- Simulated parameters include HR, ECG, SpO2, BP, RR, Temperature, and etCO2.
- In addition to the parameters above, LLEAP Patient Monitor provides:
  - Advanced patient parameters: ABP, ICR, TOF, and many more
  - Multi-media: labs, x-ray display, 12 lead ECG, custom image display, custom video display

## LLEAP FUNCTION
- Instructor computer with LLEAP software (sold separately)
- Control multiple manikins from one interface
- Use Manual Mode to run "on-the-fly" for total control over all parameters
- Utilize Automatic Mode with pre-programmed scenarios for a simple and standardized way to run a simulation (pre-programmed scenarios, self-authored content)
- Simulation controls: fast forward, pause, rewind, save/restore
- Profile editor
- Future prediction and patient outcome display
- Integrated video debriefing
- Time stamped activities, vital signs, and instructor comments are captured in the event log

## PATIENT MONITOR
- Available in 3 skin tones: Light, Tan, Brown

### ORDERING INFORMATION
- **232-05050** SimJunior Simulator Includes: Manikin, Blood Pressure Cuff, Set of Consumables, Carry Case, Directions for Use
- **200-30001** SimPad System Includes: SimPad Link Box, 2 AC Power Supplies, Rechargeable Lithium-ion Battery, Wrist Strap, Manikin Strap, Sleeve, USB cable, Ethernet cable, Headset/Micphone and Directions for Use
- **400-01050** LLEAP Software License
- **200-39301** All InOne Panel PC Instructor - Patient Monitor
- **232-05350** Hard-sided Transportation Case for Manikin
- **375-70150** IV Skin/Vein Set
- **231-00101** Replacement IO Leg
- **231-00201** Replacement IO Leg

### Services
Laerdal offers comprehensive Educational Services to support your curriculum, and Technical Services to meet your product servicing needs. Whether you are setting up a one-room simulation site or a multi-bed simulation center, Laerdal can help.