Improving pediatric outcomes

SimJunior®

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 lift & jaw thrust (no sensor)
  - Left and right lungs can be either closed or open to allow ventilations

BREATHING FEATURES
- Spontaneous breathing with observable chest rise
  - Variable respiratory rates
  - Multiple upper airway sounds synchronized with breathing
  - Detect and quantify 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)

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

CIRCULATION FEATURES
- Blood pressure measured manually by auscultation of Korotkoff sounds
  - Bileaflet aortic and unilateral brachial and radial (left side) pulsus 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)

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

ORDERING INFORMATION
232-05050 SimJunior Simulator Includes: Manikin, Blood Pressure Cush Set of Consumables, Carry Case, Directions for Use
200-30001 SimPad System Includes: SimPad, Link Box, 2 Power Supplies, Rechargeable Lithium-ion Battery, Wrist Strap, Manikin Strap, Sleeve, USB cable, Ethernet cable, Headset/Headphone, and Directions for Use
400-01050 LLEAP Software License

Instructor Computer and Patient Monitor Options
400-10201 Laptop Instructor - Patient Monitor
400-09201 Tablet - PC Instructor - Patient Monitor
400-09301 Rugged Tablet Instructor - Patient Monitor
400-29301 All InOne Panel PC Instructor - Patient Monitor
400-97001 Network Switch

Optional Accessories
232-05350 Hard-sided Transportation Case for Manikin
375-70150 IV Skin/IV Set
231-00101 Replacement IO Leg
277-00001 Pediatric Trauma Modules

Operation
SimJunior® is operated by the SimPad® System or LLEAP instructor computer and can utilize a simulated patient monitor.

SimCenter
Visit www.laerdal.com/simcenter to learn how to optimize your simulation training using SimCenter™ and SimJunior

SimStore™
Access to validated, standardized content from industry experts

SimManager™
A suite of online tools that allows you to fully optimize your entire simulation center operation

SimView™
A debriefing solution giving you the ability to study simulation events more closely

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.

Visit Laerdal.com/us/SimJunior for ordering information and a complete list of product accessories

©2015 Laerdal Medical. All rights reserved. Printed in USA. # H-T4348