Improving paediatric outcomes

SimJunior

SimJunior is a realistic, full-body, interactive simulator designed to train for life-threatening paediatric emergencies. Used with the SimPad System or a PC, SimJunior provides students with immediate feedback and detailed objective evaluations of performance.

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN®
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

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 (PC version)
• 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)
• Intraosseous access (right tibia)

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)
• Available in light, tan, and brown skin tones

ORDERING INFORMATION

232-05050  SimJunior Simulator
Includes: Manikin, Blood Pressure Cuff, Set of Consumables, Carry Case, Directions for Use

200-300xx* SimPad System
Includes: SimPad, Link Box, 2 AC Power Supplies, Rechargeable Lithium-ion Battery, Wrist Strap, Manikin Strap, Manikin Adapter cable, Sleeve, USB cable, Ethernet cable, and Directions for Use

225-091xx* Patient Simulator Peripheral Kit Standard
Includes: Laptop PC, USB webcam, USB hub, and audio cable

225-090xx* Patient Simulator Peripheral Kit Complete
Includes: Laptop PC, USB webcam, USB hub, audio cable, and ELO patient monitor

232-11950 SimJunior Advanced Software and License Key

Accessories
210-05250  Hard-sided Transportation Case for Peripherals
232-05350  Hard-sided Transportation Case for Manikin
375-70150  IV Skin/vein Set
231-00101  Replacement I0 Leg
277-00001  Paediatric Trauma Modules
200-092XX  12” Portable SimPad Patient Monitor
200-093XX  17” Portable SimPad Patient Monitor

xx denotes language versions - Additional configuration options are available

Operation
SimJunior can be operated by the SimPad System or PC.

SimCenter
SimCenter offers easy access to validated content from worldwide simulation experts developed for SimJunior.
Visit www.mysimcenter.com for more information

Services
Laerdal Services offers comprehensive Educational Services to support your curriculum, and Technical Services to meet your simulator servicing needs. Contact your Laerdal representative for details.