



Laerdal

helping save lives



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™



For more information, visit us at
laerdal.com and learn how SimPad
is making simulation easier.



www.laerdal.com

SimJunior



FEATURES

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

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.

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 IO 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



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