The simulator for advanced life support

ALS Simulator

The Advanced Life Support Patient Simulator is a realistic interactive manikin for training a wide range of advanced lifesaving skills in medical emergencies. Operated by the SimPad® System or LLEAP software, the simulator responds to clinical interventions, instructor control, or pre-programmed scenarios for effective practice of diagnosis and treatment of a patient.

www.laerdal.com
ALS Simulator

MANIKIN AND AIRWAY FEATURES

- Interchangeable pupal normal, blanched and constricted
- Endotracheal intubation
- Nasotracheal intubation
- Digital intubation
- Oropharyngeal and Nasopharyngeal airway insertion
- Stomach auscultation to verify positioning
- Bag-Value-Mask ventilation
- Retrograde and Lightwand intubation
- Laryngeal Mask Airway insertion
- Combitube insertion
- Tracheal jet ventilation
- Surgical and needle cricothyrotomy
- Suctioning techniques
- Obstructed airway
- Tension pneumothorax decompression and chest tube insertion
- Tongue edema
- Head tilt / Chin lift
- Modified jaw thrust
- Spontaneous chest rise and fall

CIRCULATORY SKILLS AND IV/IO DRUG ADMINISTRATION

- Articulating IV Arm with replaceable skin and infusible vein system allows peripheral intravenous therapy and site care
- Subcutaneous and intramuscular injection sites
- Life-like leg designed for practicing intraosseous needle placement, medication and fluid administration and infusion

CARDIAC RELATED - SIMPAD/LLEAP

- Multiple cardiac rhythm variations
- Manual chest compressions

3- or 4- lead ECG, with optional patient monitor:
- With programmable threshold for capture

BLOOD PRESSURE / PULSES - SIMPAD/LLEAP

- Articulating blood pressure arm for auscultated and palpated blood pressure simulation
- Korotkoff sounds
- Systolic and diastolic pressure may be individually set
- Auscultatory gap
- Bilateral carotid pulses and brachial and radial pulses in the BP arm
- Pulses synchronised with programmable ECG
- Pulse strengths dependent on BP

SOUNDS - SIMPAD/LLEAP

- Heart sounds synchronised with programmable ECG
- Lung sounds synchronised with breathing rate
- Individual lung or bilateral sound selection
- Normal and abnormal bowel sounds
- Pre-recorded and live feed voice sounds
- PC scenario editor for creating and editing user defined and preprogrammed scenarios
- Student logs can be stored and downloaded for post training review and debriefing

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)

ORDERING INFORMATION

205-05050  ALS Simulator
Includes: Manikin, Interchangeable Pupil Set, 6 Neck Skin Collars, l Roll Cricothyroid Tape, Set of Replacement Pneumothorax Bladders, 6 Chest Drain Modules, Air Pump, Set of Defibrillation Posts, Manikin Lubricant, Jacket, Pants, and 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, and Directions for Use

400-01050  LLEAP Software License

Instructor Computer and Patient Monitor Options

400-10201  Laptop Instructor - Patient Monitor
400-09201  Tablet Instructor - Patient Monitor
400-09501  Rugged Tablet Instructor - Patient Monitor
400-29301  All In One Panel PC Instructor - Patient Monitor

Optional Accessories

381500  Trauma Modules
375-81001  Arterial Stick Arm
381450  Nursing Wound Modules
210-00550  Forced Air Bleeding Control Systems
200-03650  Male / Female Genitalia Upgrade Kit
381655  Hard Carry Cases

Operation

ALS Simulator 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 ALS Simulator

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/ALS for ordering information and a complete list of product accessories

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