SimMan® ALS

SimMan® ALS provides a mobile, durable solution that will meet the training needs of pre-hospital and in-hospital emergency care providers. Operated by SimPad® PLUS or a LLEAP PC, the simulator responds to clinical interventions, instructor control, or pre-programmed scenarios for effective practice of diagnosis and treatment of a patient. Used in clinically realistic environments, SimMan ALS can improve clinical skills, communication and teamwork through simulation.

www.laerdal.com
SimMan® ALS Simulator

MULTIPLE AIRWAY SKILLS/FEATURES
• Controllable open/closed airway; automatically or manually controlled
• Head tilt/Chin lift
• Jaw thrust w/articulated jaw
• Suctioning (Oral & Nasopharyngeal)
• Bag-mask ventilation
• Orotracheal intubation
• Endotracheal tube intubation
• Combitube, LMA, I-gel and other airway placement

BREATHING FEATURES
• Simulated spontaneous breathing
• Bilateral and unilateral chest rise and fall
• Normal and abnormal breath sounds
• Oxygen saturation and waveform

BREATHING COMPLICATIONS
• Cyanosis
• Needle thoracentesis – bi-lateral
• Unilateral & bilateral chest movement
• Chest tube insertion – bilateral

CARDIAC FEATURES
• Extensive ECG library
• Heart sounds
• ECG rhythm monitoring (4 wire)
• 12 lead ECG display
• Defibrillation and cardioversion using live shock with training pads – ShockLink™ (purchased separately)
• Pacing

CIRCULATION FEATURES
• BP measured manually by auscultation of Korotkoff sounds
• Carotid, femoral, radial pulses
• BP measured manually by auscultation
• Pulse palpation is detected & logged

VASCULAR ACCESS
• Pre-ported IV access (right arm)
• Intraosseous access (tibia)
• Needle thoracentesis – bi-lateral
• Chest tube insertion – bilateral
• Unilateral & bilateral chest movement

BREATHING COMPLICATIONS
• Airway complications include tongue fallback and tongue edema

CIRCULATION FEATURES
• Carotid, femoral, radial pulses
• Pulse palpation is detected & logged

VASCULAR ACCESS
• Pre-ported IV access (right arm)
• Intraosseous access (tibia)

CPR
• QCPR feedback and scoring compliant with 2010-2015 Guidelines
• CPR compressions generate palpable pulses, blood pressure wave form, and ECG artifacts
• Realistic compression depth and resistance
• Automatic detection of depth, release and frequency of compressions as well as hand placement

EYES
• Manually set to: Open, closed and partially Open
• Set of interchangeable pupils

OTHER FEATURES
• Prepared for diagnostic ultrasound
• Instructor can simulate patient’s voice - Pre-recorded and custom sounds
• Patient Voice
• Set of interchangeable pupils

PATIENT MONITOR
• Touchscreen simulated patient monitor provides concise clinical feedback for physiological parameters
• Simulated parameters for SimPad PLUS operation: ECG, etCO2, HR, SpO2, BP, RR, and Temperature
• LLEAP operation provides additional simulated parameters including CO2, CVP, ICP, anesthetic agent, TOF, cardiac output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video

CERTIFICATIONS
• UL, CE, FCC, CSA, HMR

SYSTEM FEATURES
• Wireless PC or SimPad PLUS controls simulator remotely
• Control simulations from anywhere on your network
• Manual Mode
• Precise control “on the fly”
• Automatic Mode
• Run pre-packaged scenarios
• Unique, simple controls increase/ decrease difficulty & pace
• Integrated video debriefing
• Data logging
• Instructor comments

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

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

Visit Laerdal.com/us/SimMan ALS for a complete list of parts, accessories, and consumables

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