Improving patient outcomes with team training of acute intervention procedures

SimMan Vascular

SimMan Vascular is built on the trusted SimMan 3G platform with built-in Mentice VIST® endovascular technology to extend the immersive training course potential to the Endovascular Specialists, Cath Lab team, and Pre-Hospital care providers.

laerdal.com
**SimMan® Vascular**

**VASCULAR ACCESS**
- IV access (right arm)
- Intravenous access (tibia)
- Automatic Drug Recognition System

**MULTIPLE AIRWAY SKILLS/FEATURES**
- Controllable open/closed airway, automatically or manually controlled
- Ultimate lift/Chin lift
- Jaw thrust w/articulated jaw
- Suctioning (oral & nasopharyngeal)
- Bag-mask ventilation
- Nasal cannulation
- Orotracheal/Tracheal intubation
- Combitube, LMA, and other airway placement

**BREATHING FEATURES**
- Endotracheal intubation
- Retrograde intubation
- Fiberoptic intubation
- Transtracheal jet ventilation
- Needle/Surgical cricothyrotomy
- Variable lung compliance – 4 settings
- Variable airway resistance – 4 settings
- Right main stem intubation
- Stomach distention

**AIRWAY COMPLICATIONS**
- Detection of proper head position
- Can’t intubate/Can ventilate
- Can’t intubate/Can’t ventilate
- Tongue edema
- Pharyngeal swelling
- Laryngospasm
- Decreased cervical range of motion
- Trismus

**BREATHING COMPLICATIONS**
- Cyanosis
- Needle thoracentesis – bilateral
- Unilateral & bilateral chest movement
- Unilateral, bilateral & lobar breath sounds
- Chest tube insertion – bilateral

**CARDIAC FEATURES**
- Extensive ECG library
- Heart sounds – four anterior locations
- ECG rhythm monitoring (4 lead)
- 12 lead ECG display
- Defibrillation and cardioversion
- Pacing

**CIRCULATION FEATURES**
- BP measured manually by auscultation of Korotkoff sounds
- Carotid, brachial, radial, dorsalis pedis, popliteal and posterior tibials pulses synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation is detected & logged

**ENDOVASCULAR PROCEDURES**
- Access points:
  - Left femoral artery/vein
  - Right femoral artery
- AHI
- Stroke
- Interventional surgery
- REBOA: Aortic Balloon Occlusion
- Ballooning
- Sterting
- Embolization
- Aspiration
- Radiation safety

**PHARMACOLOGY**
- Automatic Drug Recognition System identifies drug & dose
- Extensive drug formulary
- Automatic or programmable physiological responses

**SYSTEM FEATURES**
- Wireless instructor computer with LLEAP software
- Control simulation from anywhere on your network
- Use Manual Mode to run “on-the-fly” for total control over all parameters
- Utilize Automatic Mode with pre-programmed scenario for a simple and standardized simulation
  - Patient cases utilizing physiological and pharmacological models
  - 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

**PATIENT MONITOR**
- Touch-screen simulated patient monitor provides concise clinical feedback for physiological parameters
- The monitor’s color screen is configurable and provides multiple simulated parameters, each presenting multiple alarms
- Simulated parameters include ECG (2 tracings), SpO2, CO2, ABP, CVR, PAP, PCWP, NIBP, TOF, Cardiac output, temperature (core and peripheral), and additional and programmable parameters e.g. ICP
- X-Ray Display
- 12 Lead ECG
- Custom image display
- Custom video display
- Oxygen saturation and waveform

**ORDERING INFORMATION**

222-02050  **SimMan Vascular**
Includes: SimMan 3G Simulator with Endovascular Functionality, Laptop, Keyboard, Mouse with USB, Screen, Clinical Device Kit, HD web camera, Headset/Microphone with USB, SpO2 probe with USB, LLEAP Software License, Mentice Software License.

222-88050  **SimMan Vascular 3 year Tech Service**
Includes: On-site Installation Service, 3 year annual Preventive Maintenance On-site, 2 year Extended Warranty. This is a required service for SimMan Vascular.

Visit Laerdal.com/SimManVascular for a complete list of specifications, parts, accessories and services

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