

⊖ Airway

Airway opening acquired by head tilt, chin lift and jaw thrust

Oropharyngeal and nasopharyngeal airways

Bag-Valve-Mask ventilation

Orotracheal and nasotracheal intubation

Sellick Maneuver

LMA insertion

Endotracheal tube insertion

Fiberoptic intubation

Gastric tube insertion

Variable lung compliance

Variable airway resistance

Tongue edema

Laryngospasm

Pharyngeal swelling

Decreased lung compliance

Right mainstem intubation

Gastric distention

⊖ Simulated Patient Monitor

Highly configurable patient monitor

Simulate several parameters including: ECG, SpO2, CO2, ABP, CVP, PAP, NIBP, TOF, and others

Multimedia capability: Radiology files, Media files, Lab results

Touch screen operation

Multi-level alarm

⊖ Pulmonary System

Spontaneous breathing with variable rate, depth and regularity

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Bilateral and unilateral chest rise and fall

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Normal and abnormal breath sounds – bilateral

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Anterior and Posterior Lung Sounds: Normal, coarse crackles, fine crackles, stridor, wheezes and rhonchi

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Oxygen saturation

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See-saw respiration

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Retractions

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Pneumothorax

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Unilateral chest movement

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Unilateral breath sounds

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Unilateral needle thoracentesis mid-clavicular

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Unilateral chest tube insertion

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## ⊖ Cardiovascular System

Extensive ECG library with rate from 20-360

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CPR compressions generate palpable pulses, blood pressure waveform, and generate artifacts on ECG

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Heart Sounds: Normal, systolic murmur, holosystolic murmur, diastolic murmur, continuous murmur and gallop

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Blood pressure (BP) simulated on patient monitor

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Pulses: Unilateral brachial pulse and bilateral femoral pulses synchronized with ECG

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Pulse strength variable with BP

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Display of cardiac rhythms via 4-lead ECG monitoring

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12-lead dynamic ECG display

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Live defibrillation, pacing, and cardioversion

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## ⊖ Vascular Access

Venous access antecubital fossae, dorsum of the hand and long saphenous vein

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Bilateral IO/IV insertion legs

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/ bolus and infusion

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⊖ Software Features

Easy to operate software

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Manual control over all parameters

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Scenarios, including Trends and Handlers, can be pre-programmed by user or downloaded on SimStore

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Web-camera recording

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Review event log together with synchronized recording of patient monitor and in-room video

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⊖ Other Features

Reactive eyes with pupillary response, normal, dilated, constricted

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Fontanel can present as normal, or bulging

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Torso motion

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Vocal sounds: Crying, content, coughing, and hiccup

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