SIMULATED MEDICAL EQUIPMENT

SimEquip

Save money while elevating critical patient care with SimEquip. These simulated medical devices mirror real medical equipment and provide learners with hands-on experience to prepare for situations, such as resuscitation, ventilation and anesthesia.

SimEquip helps expand the complexity of simulated clinical experiences (SCEs) in prehospital and in-hospital settings.

With this simulated medical equipment, learners can:

- Configure and operate medical machines
- Monitor a patient
- Interpret data and troubleshoot issues
- Deliver effective healthcare to a patient on medical equipment

EXPAND THE POSSIBILITIES

Available in two configurations, SimEquip can be used with or without a patient simulator.

- Pair SimEquip with Maestro Standalone to teach learners without using a patient simulator.
- Use SimEquip as add-on equipment with patient simulators, such as Apollo, Ares and Juno.

TOOLS TO IMPROVE PATIENT OUTCOMES

Providing safe, quality care is a top priority. That's why SimEquip portfolio offers options for various scenarios.

SimEquip Anesthesia

Learn to operate an anesthesia machine and manage ventilation of a patient under anesthesia.

SimEquip Ventilator

Manage ventilation of a patient with normal and abnormal lung mechanics and other respiratory conditions.

SimEquip Defibrillator

Deliver electrical therapy, monitor patients and interpret data.

Learn more at **elevatehealth.net**

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SimEquip Ventilator

Technical Specifications

Standard Equipment (to be used with adult Maestro patient simulators as an add-on)
Ventilator cart
Medical attachments (breathing circuit with mask and tracheal tube, SpO2 probe, CO2 sample line, O2 hose)
Learner tablet
All-in-one monitor
SimEquip Ventilator software and license
Electronic user guide
Optional Equipment
Instructor Standalone kit: router, instructor tablet, Maestro with physiology software and license (required for standalone configuration)
Additional Controls
Leak, breathing-circuit disconnection
Key Features
Full range of typically monitored values
Full range of operator-adjustable parameters for each mode of ventilation common to conventional hospital ventilators
Adjustable screen layout, alarms and other settings
Provides experiential learning skills required to manage and monitor ventilation of a patient, and troubleshoot ventilator issues
17 alarms, 3 loops (pressure volume, pressure flow, volume flow), 39 numerics, 4 views, 6 waveforms (pressure, flow, volume, Edi, SpO2, CO2)
Maneuvers: Inspiratory hold, expiratory hold
Ventilation Modes
Volume-controlled ventilation (VCV): VT, PEEP, Flow Trigger, RR, Tpause, Ti rise, I:E, FiO2
Pressure-controlled ventilation (PCV): Pi, PEEP, Flow Trigger, RR, Ti rise, I:E, FiO2
Continuous positive airway pressure + pressure support (CPAP+PS): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO2, Tapnea, Pi backup, RR backup, I:E backup
Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO2, Apnea, VT backup, RR backup, I:E backup
Neurally adjusted ventilatory assist (NAVA): PEEP, Edi Trigger, Flow Trigger, NAVA Level, FiO2, Tapnea, Pi backup, RR backup, I:E backup
Synchronized intermittent-mandatory ventilation volume control (SIMV VC): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E, End Inspiration %, FiO2

SimEquip Transport Ventilator

Technical Specifications

Standard Equipment (to be used with adult Maestro patient simulators as an add-on)
Transport ventilator carry bag
Medical attachments (breathing circuit with mask and tracheal tube, SpO2 probe, CO2 sample line, O2 hose)
Student tablet
SimEquip Transport Ventilator software and license
Electronic user guide
Optional Equipment
Instructor Standalone kit: router, instructor tablet, Maestro with physiology software and license (required for standalone configuration)
Key Features
Full range of typically monitored values
Simulates ventilation of a simulated patient being tranported
Adjustable screen layout, alarms and other settings
Provides experiential learning skills required to configure a transport ventilator, manage and monitor ventilation of a simulated patient being transported, and troubleshoot ventilator issues
17 alarms, 3 loops, 23 numerics, 3 views, 5 waveforms
Ventilation Modes
Full range of operator-adjustable parameters for each mode of ventilation:
Volume-controlled ventilation (VCV): VT, PEEP, Flow Trigger, RR, Tpause, Ti rise, I:E, FiO2
Pressure-controlled ventilation (PCV): Pi, PEEP, ΔPsupp, Flow Trigger, RR, Ti rise, I:E, FiO2
Continuous positive airway pressure (CPAP+PSV): PEEP, ΔPsupp, Flow Trigger, Ti rise, End Inspiration %, FiO2, Tapnea, Pi backup, RR backup, I:E backup
Volume support ventilation (VSV): PEEP, Flow Trigger, VT, Ti rise, End Inspiration %, FiO2, Tapnea, VT backup, RR backup, I:E backup
Synchronized intermittent-mandatory ventilation (SIMV): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E, End Inspiration %, FiO2

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Reduce medical errors. Improve performance. Enhance patient care.

SimEquip Anesthesia

Technical Specifications

Standard Equipment (to be used with adult Maestro patient simulators as an add-on)
Anesthesia cart
Medical attachments (breathing circuit with mask and tracheal tube, SpO2 probe, CO2 sample line, O2 hose, N2O hose, medical air hose, 3-lead ECG cables, IBP catheter, NIBP cuff, temperature probe)
2 monitors
SimEquip Anesthesia software and license
Electronic user guide
Optional Equipment
Instructor Standalone kit: router, instructor tablet, Maestro with physiology software and license (required for standalone configuration)
Simulated Anesthetic Agents
Isoflurane Sevoflurane Desflurane
Additional Controls
O2 flush valve
ACGO valve
View soda lime canister control
Leak, breathing-circuit disconnection
Key Features
Simulates delivery of multiple anesthetic agents, with realistic responses
Simulates interaction of all anesthesia machine controls, including: APL valve, manual ventilation switch, rebreather bag (inspiration), anesthetic agent vaporizers (Isoflurane, Sevoflurane, Desflurane), gas flow dials (O2, N2O, AIR)
Adjustable screen layout, alarms and other settings
36 alarms, 4 gauges, 3 loops, 51 numerics, 3 views, 5 waveforms
Full range of operator-adjustable parameters for each ventilation mode
Ventilation Modes
Volume-controlled ventilation (VCV): PEEP, Flow Trigger, VT, RR, Tpause, Ti rise, I:E
Pressure-controlled ventilation (PCV): PEEP, Pi, Flow Trigger, RR, Ti rise, I:E
Continuous positive airway pressure + Pressure support (CPAP+PS): PEEP, ΔPsupp, Flow Trigger, Ti rise, Tapnea, Pi backup, RR backup, I:E backup
Synchronized intermittent-mandatory ventilation volume control (SIMV VC): PEEP, ΔPsupp, Flow Trigger, VT, RR, Tpause, Ti rise, I:E

SimEquip Transport Defibrillator

Technical Specifications

Standard Equipment (to be used with adult Maestro patient simulators as an add-on)
Defibrillator carry bag
Therapy pads
3-lead ECG cables
Learner tablet
Software (monitor defibrillator and AED) and license
Electronic user guide
Optional Equipment
Instructor Standalone kit: router, instructor tablet, Maestro with physiology software and license (required for standalone configuration)
Medical attachments (12-lead ECG cables, temperature probe, CO2 sample line, SpO2 probe, NIBP cuff, IBP catheter)
Key Features
Full range of typically monitored values common to defibrillators and AEDs (HR, SpO2, RR, ABP, and more)
Simulates electrical therapy (defibrillation, cardioversion, pacing), with realistic responses
Adjustable alarms and other settings
Provides experiential learning skills required to deliver electrical therapy, configure a defibrillator or manage defibrillation of a patient (e.g., responding to alarms, adjusting layout based on patient mode and/or operator preference)
Pads, ECG I, II, III, aVR, aVL, aVf, V1, V2, V3, V4, V5, V6, CO2, ABP, SpO2

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