



Laerdal
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SimBaby with Tracheostomy


Available in Light, Medium,
and Dark Skin Tones

Helping improve tracheostomy management
and critical care for pediatric patients

SimBaby with Tracheostomy is a tetherless simulator which helps healthcare providers train to build competence and confidence in handling tracheostomy emergencies and care. Representing a 9-month-old pediatric patient with an in-situ tracheostomy airway, SimBaby is highly realistic and meets specific learning objectives on initial assessment and treatment.

SimBaby with Tracheostomy

Normal & Difficult Airway

- Airway opening acquired by head tilt, chin lift and jaw thrust
- Oropharyngeal and nasopharyngeal airways, tracheal tube.
- Intubation - oral, nasal and tracheal
- Bag-Valve-Mask ventilation
- Connect to mechanical ventilator
- Cricoid pressure / Laryngeal manipulation
- LMA insertion
- Endotracheal tube insertion
- Fiberoptic intubation
- Gastric tube insertion
- Variable lung compliance
- Variable airway resistance
- Tongue edema
- Laryngospasm
- Right mainstem intubation
- Gastric distention

Tracheostomy

- Controllable stoma size: open, partially open and closed
- Simulate false passage and mucus plug

Pulmonary System

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- Bilateral or Unilateral breath sounds: Normal, fine crackles, stridor; wheezes and rhonchi
- Oxygen saturation
- See-saw respiration
- Retractions
- Pneumothorax

- Unilateral needle thoracocentesis midclavicular
- Unilateral chest tube insertion

Cardiovascular System

- Extensive ECG library with rate from 20-360
- Q CPR
- CPR compressions generate palpable pulses, blood pressure waveform, and generate artifacts on ECG
- Heart Sounds: Normal, systolic murmur, holosystolic murmur, diastolic murmur, continuous murmur and gallop
- Blood pressure (BP) simulated on patient monitor
- Pulses: Bilateral femoral and brachial
- Pulse strength variable with BP
- Display of cardiac rhythms via 4-lead ECG monitoring
- 12-lead dynamic ECG display
- Live defibrillation, pacing, and cardioversion using Shocklink and training pads
- Anterior and posterior defibrillation pad placement

Vascular Access

- Venous access antecubital fossae, dorsum of the hand and long saphenous vein
- Bilateral IO/IV insertion legs
- IV bolus and infusion

Other Features

- Reactive eyes - Normal, constricted and blown (dilated) pupils
- Capillary refill - Left hand and sternum
- Fontanelle normal and bulging
- Seizure - head and arms
- Vocal Sounds - Crying, content, coughing, and hiccup
- Liver palpation
- Cyanosis
- Moving arms - limp, tone, spontaneous movement

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
- Touchscreen operation

Software Features

- Easy to operate software (LLEAP or SimPad)
- Manual control over all parameters
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

Ordering Information:

247-00050 / 00150 / 00250 SimBaby with Tracheostomy
(Light / Medium / Dark)

Includes

- SimBaby
- Clothing set
- AC Charger with regional power cables
- Consumable replacements for IV, IO, and needle decompression
- Tracheostomy plugs
- Airway lubricant
- Silicon tape
- Drainage bags for IV and IO
- LAN cable and connector
- 60 ml syringe
- User guide
- 4 generic SimBaby scenarios

Operation and Patient Monitoring Options

204-301xx - SimPad Plus LLEAP
400-102xx - Laptop Instructor PC-Patient Monitor
400-092xx - Tablet Instructor PC-Patient Monitor
400-095xx - Rugged Instructor PC-Patient Monitor
400-293xx - All in One Panel PC Instructor PC-Patient Monitor

Software Licenses

204-50150 LLEAP for SimPad PLUS Software License
400-01050 LLEAP PC Software License

Accessories

246-10250 - Cable ethernet flat
246-10300 - LAN connector
410-00150 - AC/DC Power 12V-75V
185-20050 - ShockLink Only
245-11250 - SPO2 probe, SimBaby
212-17055 - USB SPO2 Probe interface



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