



**Laerdal**<sup>®</sup>  
helping save lives



## SimBaby<sup>®</sup> with Tracheostomy

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<sup>®</sup> 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 thoracostomy 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 3-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

- Eyes - open, closed, and 50%
- 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 - healthy movement, tone, limp, seizure

## Simulated Patient Monitor

- Highly configurable patient monitor
- Simulate several parameters including: ECG, SpO<sub>2</sub>, CO<sub>2</sub>, 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
- Scenarios, including Trends and Handlers, can be pre-programmed by user or downloaded
- Web-camera recording
- Review event log together with synchronized recording of patient monitor and in-room video

## Ordering Information:

- 247-00050 SimBaby Tracheostomy Light
- 247-00150 SimBaby Tracheostomy Medium
- 247-00250 SimBaby Tracheostomy Dark

Includes: SimBaby Manikin, Tracheostomy Plugs, IO Lower Left Leg (2), IO Lower Right Leg (2), Kind Removal Tape, 60ml Syringe, Airway Lubricant, Power Supply, Power Cords (4), IPI, Self Sealing Cap (5), Chest Drain Skin (5), Drain Bag IV/IO (2), IO Leg Sealing Tape, Chest Drain Ribs, IV Port Seal (20), and Laerdal Global Warranty

## ACCESSORIES

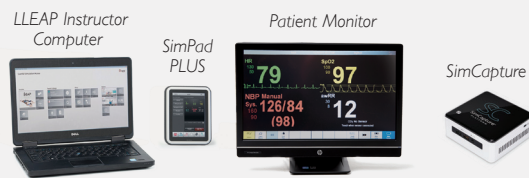
- 420-11955 ASL5000 Lung Solution
- 185-20050 ShockLink
- 405-00150 VitalsBridge 100
- 405-00250 VitalsBridge 200
- 405-00350 VitalsBridge 300

## OPERATION AND PATIENT MONITORING OPTIONS

- 204-30101 SimPad PLUS only (handheld remote)
- 204-50150 LLEAP for SimPad PLUS Software License
- 400-10201 Laptop Instructor – Patient Monitor
- 400-09201 Tablet – PC Instructor – Patient Monitor
- 400-09501 Rugged Tablet Instructor – Patient Monitor
- 400-29301 All in One Panel PC Instructor – Patient Monitor
- 400-01050 LLEAP Software License

## Operation

SimBaby with Tracheostomy can be operated by a SimPad/SimPad<sup>®</sup> PLUS remote or a LLEAP instructor computer and can utilize a simulated patient monitor. Incorporate SimCapture for a complete debriefing solution.



## Optimize Your Investment

Our team of educators and service technicians have years of industry related experience that can help you successfully implement and sustain your simulation program. We're here to help you get the most out of your simulation training with support when and where you need it. From comprehensive long-term packages to a full range of individual solutions you may choose from:

- ValuePlus Technical Services Packages
- Educational Pathway Education Services Packages
- On-site technical services
- eLearning courses
- On-site educational courses
- Blended learning workshops
- Help Desk phone and email support
- Self-guided how-to video library
- Virtual courses

For more information visit [Laerdal.com/SimBabyTrach](http://Laerdal.com/SimBabyTrach)