Xtra

NENASim Xtra is a neonatal simulator focused on resuscitation quality improvement (RQI) and respiratory emergencies management, providing detailed real-time feedback on the CPR quality, also recorded for posterior debriefing.

Some of the manikin's features include realistic airway for the practicing of airway management with multiple devices; authentic respiratory system; anatomical landmarks for heart massage and faithful compression resistance; and a leg for the training of intraosseous access.

General

- **Lenght**: 59 cm
- **Weight**: 4.2 kg
- **Sex**: Male
- **Skin tone:** Dark, Medium or Light
- Wireless and tetherless
- Battery life of approximately 6 hours
- Internal electrical power

Airway

- Realistic anatomy: tongue, epiglottis, vocal cords, trachea, and esophagus
- Airway maneuvers: head tilt, chin lift, and jaw thrust
- Placement of multiple oxygen delivery systems
- Oro- and nasotracheal intubation
- Insertion of oro- and nasopharyngeal airways
- Insertion of supraglottic devices
- Oro- and nasopharyngeal suction

Breathing

- Realistic chest movement when ventilated
- Bag-valve-mask ventilation
- Pneumothorax
- Thoracic needle decompression

Cardiovascular

- Adjustable heart rate and BP
- Extensive ECG library

CPR

- Anatomical landmarks for heart massage
- Realistic compression resistance
- Feedback on CPR quality:
  - Frequency and depth
  - Chest recoil
  - Pause lengths
  - Ventilation counter

Other

- Flexible neck, limbs, and back
- Intraosseous insertion

Software

- Wireless operation
- Multi-parameter patient monitor
- 15 pre-programmed scenarios
- Detailed debriefing

- Built-in AV recording possible
- Scenario editor
- ECG

Package components

- NENASim neonatal simulator
- Suitcase
- Charger with power cable
- Software
- Umbilical cord add on
- IO leg add on

CPR training

NENASim software records and gives real-time feedback on CPR quality: compression rate and depth, chest recoil, pause lengths, and ventilations.

Realistic look and feel

From its lifelike eyes to the realistic silicone skin, NENASim looks, feels and weighs like a real baby.

Airway management

A faithful anatomy allows the training of orotracheal and nasotracheal intubation, insertion of supraglottic devices, fiberoptic intubation, and much more.

Scenarios

Practice with the 15 pre-programmed scenarios or create your own completely customizable scenarios.

Why to use NENA

Learn to administer chest compressions and other resuscitation techniques on small and delicate neonatal patients.

Other procedures

NENASim extra accessories are available to provide additional skills training: IO leg and umbilical cord strap.