Pediatric Patient Simulator - Infant

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Product code: SM03414

NENASim is the world's most realistic baby simulator. NENASim was carefully designed to complement the individual and the multidisciplinary team training, using realistic baby patient simulation. NENASim offers an ideal training solution for a wide range of healthcare professionals, including but not limited to neonatal care, emergency medical interventions, CPR team dynamics, etc. NENASim infant is available in various degrees of fidelity (NENASim Xtreme, Xpert, Xtra, Xcel, Xact).

Being wireless and tetherless, the baby can be used within and outside medica departments, even on the move. The durable skin is soft to the touch, easy to clean, and completely envelopes the simulator. The inner parts are designed for realism: the human skeleton is recognizable. Landmark features like the ribs, sternum, fontanelles, collar bones, arm and leg bones, can be found and used for medical procedures. The fontanelles can be set to different states. All joint types have accurate movement degrees. The NENASim has realistic eyes, head, and limb movement. It is capable of a variety of breathing patterns, with different rates, depth and complications. Sounds include the different breathing patterns, pulse, bowels, and vocal sounds like coughing, laughing, and crying. It is possible to add your own sounds.Through the use of the stethoscope simulator many different sounds within the body can be traced, like heart, breathing, and bowel sounds. These too can be added.

NENASim Xtreme

Highest fidelity neonatal simulator. Faithful reproduction of a baby's anatomy and physiology, NENASim Xtreme is an effective tool for all kinds of neonatal care specialist training as advanced life support, intensive care, and several medical procedures. Some of the manikin's unique features include life-like movements of the eyelids, head, and limbs; pupillary and Babinski reflexes; realistic sounds such as laughing, crying, and coughing; and a realistic silicone skin that colorizes to simulate conditions like cyanosis, jaundice, and paleness.

NENASim Xpert

High-fidelity neonatal simulator. Faithful reproduction of a baby's anatomy and physiology, NENASim Xpert is an effective tool for all kinds of neonatal care specialist training as advanced life support, intensive care, and several medical procedures. Some of the manikin's features include auscultation of heart, lungs, and belly sounds with the Bluetooth stethoscope simulator; a fontanel with adjustable depth; several palpable pulses; and a bedside monitor with multiple adjustable parameters.

NENASim Xtra

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.

NENASim Xcel

Neonatal simulator designed to train healthcare providers to manage respiratory emergencies and cardiopulmonary arrest in an infant patient. In all the sizes available of?NENASim?Xcel, the user can recognize its faithful skeleton representation with collar bones, ribs, and bones of arms and legs, as well as anatomical landmarks of its chest and abdomen, delivering absolute authenticity to emergency training.? Some of the manikin's?features include?realistic airway for the practicing of airway management with multiple devices;?authentic respiratory system;?faithful compression resistance?of the thorax; and an IO leg add on for the training of intraosseous access. NENASim Xcel is available in Infant, Newborn, and Preemie sizes.

NENASim Xact

Neonatal sim-ulator carefully designed for the nursing care of the newborn. Its faithful representation of the surface anatomy of a baby and soft silicon skin make the training of nursing skills true to life, accurate, and more authentic. With the weight of a real baby, NENASim Xact features a flexible neck, back, and limbs. Easy to clean and disinfect, this manikin is an ideal?training tool for basic procedures in?a?small and delicate patient. NENASim Xact is available in Infant, Newborn, and Preemie sizes.

Model comparison:

NENA Xtreme NENA Xpert NENA Xtra NENA Xcel NENA Xact

- **Lifelike anatomical model with human physiology**

x x x x x

- **Simulate a wide variety of clinical situations**

x x x x x

- **Realistic airway with tongue, vocal cords, trachea, and esophagus**

x x x x

- **Oral and nasal intubation and bag valve mask ventilation**

x x x x

- **Insert a laryngeal mask, oropharyngeal airway, and nasopharyngeal airway**

x x x x

- **CPR Software feedback**

x x x

- **Spontaneous breathing with variable rate, depth, and regularity**

x x

- **Vocal sounds: laughing, crying, hiccups, coughing, and breathing**

x x

- **Fontanel with palpable pulse and adjustable depth**

x x

- **Auscultation heart, lungs and bowel**

x x

- **Possibility of cyanosis, jaundice, red and pale coloring of the cheeks and skin**

x

- **Moving limbs for lifelike realism**

x

- **Pupillary and Babinski reflexes**

x

- **Urinary catherization**

x Technical data: Length: 59 cm Weight: 4.2 kg Gender: boy Skin color: dark, swarthy, light Models: Xtreme, Xpert, Xtra, Xcel, Xact