

## Umbilical Cord for NENASim Xtreme

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03442



The umbilical cord is specifically designed to practice umbilical vein catheterization on the NENASim Xtreme. Through a connection with the NENASim the umbilical cord is able to generate pulses, coupled to the heart beat. The umbilical cord carries fluid can be catheterized and cut-off multiple times. The cord is made of realistic silicon skin containing two arteries and one vein, buried within the Wharton's jelly.

Technical specifications:

- 20 cm umbilical cord length, 1.4 cm diameter
- Filled with 10mm of blood-like fluid
- Connector to generate pulses
- Silicon material
- 2 arteries, 1 vein.
- Can be cut up multiple times



## **Umbilical Cord for Baby Simulator- NENASim Xpert, Xtra i Xcel.**

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03441



The Universal Umbilical Cord add-on can be strapped to many different baby simulators, including our Newborn and Infant NENASim product line. The umbilical cord carries fluid, can be catheterized and cut-off multiple times. The cord is made of realistic silicon skin with three recognizable entry points to vein and arteries.

Technical specifications:

- 20 cm umbilical cord length, 1.4 cm diameter
- Filled with 10 mm of blood-like fluid
- Silicon material
- 2 arteries, 1 vein
- Stretchable silicone straps for easy attachment to the baby simulator
- Suitable for baby simulators with a belly circumference of 25 to 50 cm
- Can be cut up multiple times



## Adult Patient Simulator - Adam X

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03417



ADAM-X is the most advanced and modern full-body adult patient simulator. Faithful reproduction of a man's anatomy and physiology, ADAM-X has distinctive and unique human characteristics and features, making training more realistic and authentic. ADAM-X was carefully designed to complement the individual and the multidisciplinary team training. Ideal for military and civilian trauma emergency exercises, ADAM-X is easy to clean and disinfect, durable, and suitable for training in any environment, from prehospital care to advanced life support.

ADAM-X is available in various degrees of fidelity (ADAM-X Xtreme, Xpert, Xtra, Xcel, and Xact).

### ADAM-X Xtreme

The highest fidelity adult patient simulator, ideal for medical training, advanced life support scenarios, and simulation of countless clinical cases. Tetherless and wireless, ADAM-X Xtreme is an effective tool to develop the skills of general and specialized practitioners. Some of the manikin's unique features include life-like movements of the eyelids; pupillary reflexes; bodily secretions as tears, sweating, and urine; convulsive movements; and a realistic silicone skin that colorizes to simulate conditions like cyanosis, jaundice, and paleness.

### ADAM-X Xpert

High-fidelity adult patient simulator ideal for medical training, advanced life support scenarios, and simulation of countless clinical cases. Tetherless and wireless, ADAM-X Xpert is an effective tool to develop the skills of all kinds of healthcare professionals. Some of the manikin's features include spontaneous breathing; simulated anaphylaxis with tongue edema and airway constriction; several palpable pulses; and blood pressure measurement with a real cuff.

### ADAM-X Xtra

High-fidelity adult patient simulator ideal for developing the skills of all kinds of healthcare professionals and students. With faithful anatomy and an extensive library of heart and lung sounds, ADAM-X is a powerful tool to teach and practice a thorough physical examination through inspection, palpation, percussion, and auscultation. Some of the manikin's features include auscultation of heart, lungs, and bowel sounds with the Bluetooth stethoscope simulator; several palpable pulses of adjustable intensities synchronized with ECG; and simulation of multiple scenarios.

### ADAM-X Xcel

An adult patient simulator perfectly designed to practice the management of cardiopulmonary arrest, providing detailed real-time feedback on the CPR quality, also recorded for posterior debriefing. Its software also includes several scenarios for training other clinical emergencies. Some of the manikin's features include vocal sounds, IV access with automatic drug recognition, practicing several medical procedures, and a bedside monitor with multiple adjustable parameters.



## ADAM-X Xact

Adult patient simulator designed for basic life support training. Ideal for military and civilian trauma emergency exercises in a pre-hospital scenario, ADAM-X Xact is resistant and suitable for training in any environment. Some of the manikin's features include faithful anatomy for airway management with multiple devices, realistic chest movement when ventilated, anatomical landmarks for heart massage, and intraosseous vascular access.

Model comparison: **ADAM-X Xtreme** **ADAM-X Xpert** **ADAM-X Xtra** **ADAM-X Xcel** **ADAM-X Xact** **Lifelike**

	ADAM-X Xtreme	ADAM-X Xpert	ADAM-X Xtra	ADAM-X Xcel	ADAM-X Xact	Lifelike
anatomical model with human physiology		x	x	x	x	x
Durable and suitable for training in any trauma emergency situation			x	x	x	x
Simulate a wide variety of clinical situations	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Realistic airway with tongue, vocal cords, trachea, and esophagus	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
CPR feedback with software	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
IV arm	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Includes simulated patient monitor	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Scenario editor for custom scenarios creation	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Billateral carotid, brachial and radial pulses	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Auscultation heart and lungs	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Spontaneous breathing controlled from software	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Bloodpressure cuff simulation	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Work with a real electrocardiogram and defibrillator	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Possibility of cyanosis, jaundice, red and pale coloring of the cheeks and skin	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Drugs recognition	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x
Seizures	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x	x x x x x

Technical data:

- 1.80m - 80kg Skin tone: dark, medium or light
- Lying, side and sitting positions
- Wireless connectivity
- Battery life approximately 3 hours
- Internal power supply and air compressor
- Bluetooth stethoscope simulator



## Pediatric Patient Simulator - Infant

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

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 medical departments, even on the move. The durable skin is soft to the touch, easy to clean, and completely envelops 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 simulator 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 catheterization**

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

## Pediatric Patient Simulator - Newborn

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03415



The NENASim Newborn is a realistic interactive simulator, to be used for various training scenarios. It simulates a baby from 0 to 4 weeks old. The NENASim Newborn allows for a variety of medical procedures, preparing medical staff and everyone involved in the enormous responsibility of caring for a newborn baby. The main assets of the Newborn are its realistic airway, lifelike feel and looks, and task-training functionalities.

NENASim offers an ideal training solution for a wide range of healthcare professionals, including but not limited to patient care, emergency medical intervention, and resuscitation training for dynamic team or individual training. NENASim Newborn is available in two degrees of fidelity and three different skin tones.

Model comparison:

	Xcel	Xact
• Lifelike anatomical model with human physiology		
x x		
• Simulate a wide variety of clinical situations		
x x		
• Realistic airway with tongue, vocal cords, trachea, and esophagus		
x		
• Oral and nasal intubation and bag valve mask ventilation		
x		
• Insert a laryngeal mask, oropharyngeal airway, and nasopharyngeal airway		
x		





Technical data: Length: 45 cm Weight: 2 kg Gender: boy Skin color: dark, swarthy, ligh Models: Xcel, Xact

## Pediatric Patient Simulator - Preemie

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03416



The NENASim Preemie is a realistic interactive simulator, to be used for neonatal intensive care training. The Preemie allows for a variety of medical procedures, preparing medical staff and everyone involved in the enormous responsibility of caring for a preterm baby. The main assets of the Preemie are its realistic airway, lifelike feel and looks, and task-training functionalities. NENASim Preemie is available in two degrees of fidelity.

Model comparison:

### Xact

### Xcel

- Lifelike anatomical model with human physiology

x x

- Simulate a wide variety of clinical situations

x x

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

x

- Oral and nasal intubation and bag valve mask ventilation

x

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

x



Technical data:

- Length: 33 cm
- Weight: 730 grams
- Gender: girl
- Skin color: dark, swarthy, light
- Models: Xcel, Xact

## Trauma Chest

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03443



The trainer represents an injured chest with laceration and puncture wounds. The trainer can be placed on the chest of an adult patient simulator or standardized patient.

### Technical specifications:

- 42 x 48 cm, 1.5 cm thick (17 x 19 x 0.5 inch)
- Silicone representing soft tissue with laceration and puncture wounds.
- The model can be used repeatedly.

## Wound Packing Leg Task Trainer

Price: 953.25 EUR + shipping cost

Product code: SM03425



The trainer represents an injured leg with laceration, bullet entry, and bullet exit wounds. You can learn and practice the techniques of applying direct pressure, packing the wound with gauze, placing a pressure dressing, and using the tourniquet in the injured leg.

### Technical specifications:

- Length: 48 cm (18.9 inches)
- Diameter: 18 cm (7 inches)
- Silicone representing soft tissues

## Trauma Leg Task Trainer

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03424



The trainer represents an injured leg with laceration, bullet entry, and bullet exit wounds. The leg features soft tissue. A bleeding system enables the leg to bleed realistically from within the wounds.

### Technical specifications:

- 

48 cm (18.9 inches) in length, approximately 18 cm diameter (7 inch)

- 

Silicone and plastic representing soft tissue

- 

The bleeding system enables blood to run out of the wounds

-



Tourniquet application stops the bleeding

- 

Application bottle included

- 

Simulated blood included

## Suture Pad 3 Layers

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03428



Practice cutting and suturing techniques with the three layered suture pad. The suture pad consists of three distinctive skin layers; representing the epidermis, fat, and muscular tissue. The layers enable to accurately train suturing skills.

### Available in two sizes:

- 

10 x 10 cm (4 x 4 inch), 1 cm thick

- 

10 x 20 cm (4 x 4 inch), 1 cm thick

### Technical specifications:

- 

3 layers representing the epidermis, fat, and muscle tissue with corresponding structure.

- 

Reinforced top layer for extra durability.

-





The bottom layer sticks to flat surfaces. This prevents slipping, enabling the student to use both hands for the exercise.

- 

Disposable tubes.

**Two options for finishing:**

- 

Basic top layer with smooth finishing.

- 

Realistic top layer with skin texture.

- 

Available in light, medium, and dark skin color.

## Suture Pad 2 Layers

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03427



Practice cutting and suturing techniques with the Suture Pad 2 Layers. The suture pad consists of two distinctive skin layers; representing the epidermis and a muscular tissue. The layers enable to accurately train suturing skills.

### Available in two sizes:

- 

10 x 10 cm (4 x 4 inch), 0.6 cm thick

- 

10 x 20 cm (4 x 4 inch), 0.6 cm thick

### Technical specifications:

- 

2 layers representing the epidermis and muscle tissue with the corresponding structure.

- 

Reinforced top layer for extra durability.

-



The bottom layer sticks to flat surfaces. This prevents slipping, enabling the student to use both hands for the exercise.

**Options for finishing:**



Basic top layer with smooth finishing.



Realistic top layer with skin texture.



Available in light, medium, and dark skin color.

## Wound packing box

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03426



This Wound Packing Box is designed for practicing bleeding control using the technique of packing a deep wound with gauze. It is an easy-to-use compact trainer and can be used multiple times. The wound packing box comes with a lid and can be easily stored.

Technical specifications:

- Dimensions: 11.3 x 7.5 x 5.7 cm (4.4 x 2.9 x 2.2 inches)
- The model can be used repeatedly

## IV Sleeve

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03430



This wearable IV Sleeve trainer provides safe, intravenous injection training and can be used on standardized patients or manikins. The IV Sleeve offers a realistic vein simulation that allows users to perform IV injection. This task trainer is made with a layer of silicone skin that creates a sensible experience of touch for the user.

Technical specifications:

- 24 cm (9,4 inch) in length, approximately 12 cm (4,7 inch) in diameter
- Silicone representing soft tissue and plastic for protection against the needle for the standardized patient or manikin.
- The model can be used repeatedly
- No needle included
- Disposable tubes

## Suture Sleeve

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03429



This wearable Suture Sleeve provides safe, real-life clinical suture training and can be used on standardized patients or manikins. The Suture Sleeve replicates an injured forearm with lacerations. The Suture Sleeve is made with a layer of silicone skin that creates a sensible experience of touch for the user.

Technical specifications:

- 28 cm (11 inch) in length, approximately 12 cm (4,7 inch) in diameter.
- Silicone representing soft tissue and plastic shield for protection against the needle for the standardized patient or manikin.
- The model can be used repeatedly.
- No needle included.

## Pupil simulator

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03431



The simulator allows the user to examine the pupil reflex of the patient. Various pathologies can be simulated, for example, left or right RAPD (Relative Afferent Pupillary Defect). The simulator is easy to use, with a simple switch the reflex of the left and/or right pupil can be turned on or off.

Pupil settings:

- Both pupils constrict
- Right pupil constrict, left pupil does not react
- Right pupil does not react, left pupil constrict
- Both pupils do not react.

Technical specifications:

- 30 x 30 x 31 cm

## Trauma Trainer Torso

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: SM03423



The trainer represents a realistic injured torso with laceration, avulsion, and gunshot wounds. The torso features a faithful anatomical representation of the bone structure and soft tissues. A bleeding system enables the torso to bleed realistically from the wounds.

### Technical specifications:

- 

Length: 85 cm, width: 65 cm, depth: 36 cm (33,5 x 26 x 14 inch)

- 

Silicone and plastic representing soft tissue and bone structure

- 

Reinforced endcaps for extra durability

- 

The bleeding system enables blood to run out of the wounds



