

# NENASim Preemie Xcel



**MEDICAL·X**  
ADVANCING SIMULATION

## NENASim Preemie Xcel

**NENASim Preemie Xcel** is a realistic simulator designed for neonatal advanced life support training.

Representation of a 27-week preterm baby, **NENASim Preemie Xcel** is a valuable tool for basic and advanced neonatal life support training, preparing all healthcare professionals involved in the enormous responsibility of caring for such a sensitive and delicate patient.

**NENASim Preemie Xcel** offers an ideal solution for improving resuscitation team dynamics and training emergency medical interventions, such as airway management, ventilation, and transportation.



## Design philosophy: realism in form and function

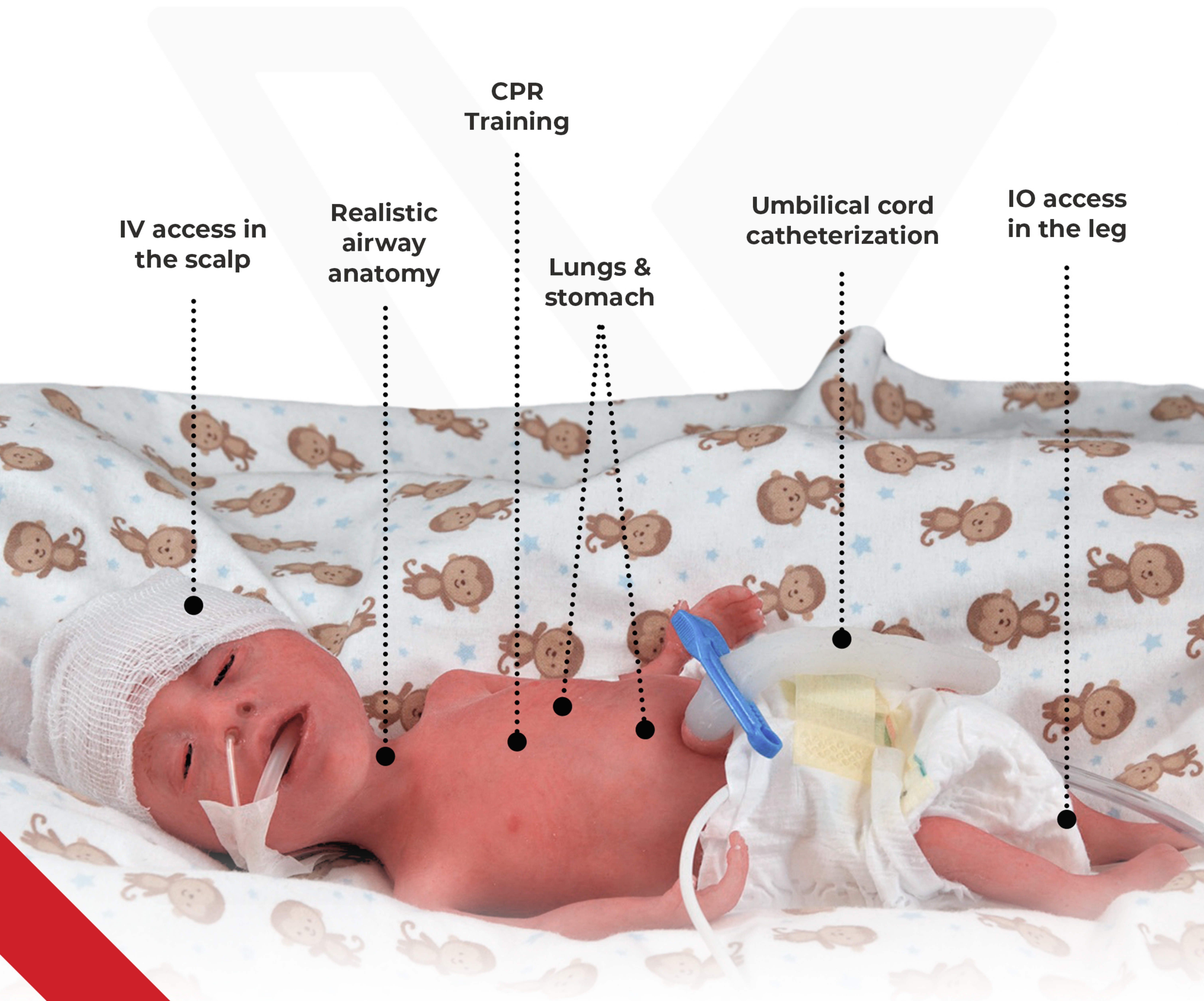
### Realism is key in our design philosophy.

The fragile structure of a preterm baby is accurately experienced through the realistic looks and feel of the simulator. Made with our unique soft silicone, NENASim Preemie Xcel has soft and smooth skin, reproducing the feeling of touching a real baby.

- ◆ Length: 33cm
- ◆ Weight: 730g
- ◆ Sex: Female
- ◆ Skin tone: Dark, Medium, Light



## Training with NENASim Preemie Xcel





## IV Access in the scalp

The scalp veins are commonly used to secure access in premature babies. With NENASim Premie Xcel you can practice intravenous puncture in the superficial temporal veins. Fluid can be injected and drained.



## Airway Management

NENASim Premie Xcel has a realistic airway anatomy with tongue, epiglottis, vocal cords, trachea, and esophagus.

Placement of multiple oxygen delivery systems: nasal cannula, face masks, etc

- ◆ Oropharyngeal and nasopharyngeal airways
- ◆ Orotracheal intubation
- ◆ Nasotracheal intubation
- ◆ Supraglottic devices



## Pulmonary System

With lungs and stomach, NENASim Preemie Xcel provides visual feedback on the endotracheal tube location. Adequate ventilation generates chest rise and fall, while esophagus intubation leads to belly expansion.

It's also possible to ventilate the simulator using a bag-valve-mask.

The lungs can be individually closed to simulate pneumothorax.



## CPR Training

With visual anatomical landmarks and realistic compression resistance, NENASim Preemie Xcel is an excellent tool for CPR Training.





## Umbilical Cord

An umbilical cord can be attached to NENASim Premie Xcel.

It features two arteries and one vein, all patent and viable for cannulation.

Real fluids can be injected and then drained.



## Intraosseous Access

NENASim Premie Xcel comes with a replaceable add-on that can be attached to its leg, allowing the training of IO access without damaging the simulator.



## NENASim Premie Model Comparison Table

	Xcel	Xact
Faithful reproduction of a baby's anatomy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life-like looking with soft silicon skin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Airway management with multiple devices	<input checked="" type="checkbox"/>	
Ventilation with bag-valve-mask	<input checked="" type="checkbox"/>	
Heart massage with realistic compression resistance	<input checked="" type="checkbox"/>	

## Contact us

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## Warranty

While we're confident that the MEDICAL-X's products are highly user-friendly, we also understand that this is an advanced product with the need for strong support and service. That's why we provide application training and guarantee the product for two years.

Additional service packages can also be delivered.



## About MEDICAL-X

MEDICAL-X is a Dutch company specialized in the design, development, manufacturing, marketing and distribution of simulation products for medical teaching and training.

Our mission is to provide healthcare professionals with simulation-based training solutions and cutting-edge technological simulators that are cost-effective and time-efficient to teach and train clinical skills without risk to actual human patients.

## Design philosophy

Realism is the key to our design philosophy! Simulator training gives medical teams the experience, competence, and confidence they desire. Realism adds to the quality and efficacy of training.

Our products are developed through extensive feedback programs to produce an engaging experience for healthcare professionals. Form and function come together in a realistic and interactive simulator, ready to be used in training for all levels of care.



MEDICAL-X

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