

# NENASim

## Newborn Xcel

### Fetal Alcohol Syndrome



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ADVANCING SIMULATION

## NENASim Newborn Xcel Fetal Alcohol Syndrome

NENASim Newborn Xcel Fetal Alcohol Syndrome (FAS) is a realistic simulator designed for the training of basic and advanced neonatal life support, equipping healthcare professionals with the knowledge and skills necessary for caring for a newborn baby.

Representation of a full-term baby, the simulator accurately depicts the distinct physical traits associated with Fetal Alcohol Syndrome. It serves as an invaluable educational tool for students and parents, shedding light on the potential consequences of maternal alcohol consumption during pregnancy.

With a life-like look and accurate anatomy, NENASim Newborn Xcel FAS offers an ideal solution for training emergency medical interventions such as airway management, ventilation, and CPR, improving resuscitation team dynamics and patient outcomes.



## Design philosophy: realism in form and function

### Realism is key in our design philosophy!

The delicate structure of a newborn baby is accurately experienced through the realistic looks and feel of the simulator. Made with our unique soft silicone, NENASim Newborn Xcel FAS has soft and smooth skin, mimicking the feeling of touching a real baby.

◆ Length: 45cm

◆ Weight: 2kg

◆ Sex: Male

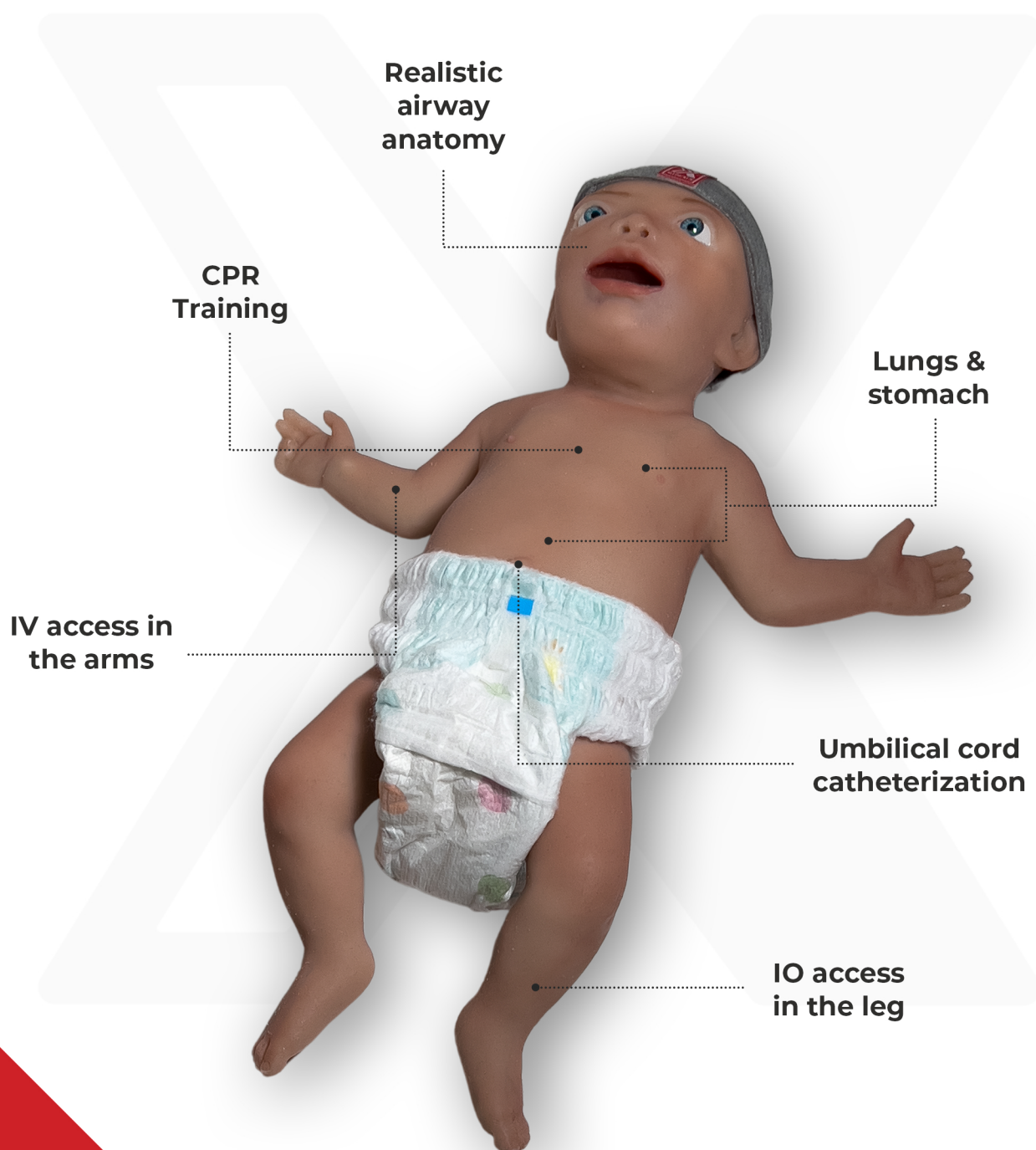
◆ Skin tone:  Dark  Medium  Light





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## Training with NENASim Newborn Xcel FAS



## **Fetal Alcohol Syndrome Features**

- ◆ Large distance between inner corners of the eyes (Telecanthus)
- ◆ Low nasal bridge
- ◆ Short nose
- ◆ Flat midface
- ◆ Thin upper lip
- ◆ Minor ear abnormalities
- ◆ Underdeveloped jaw
- ◆ Curved fingers



## AIRWAY MANAGEMENT

**NENASim Newborn Xcel FAS** has a realistic anatomy with tongue, epiglottis, vocal cords, trachea, and esofagus.

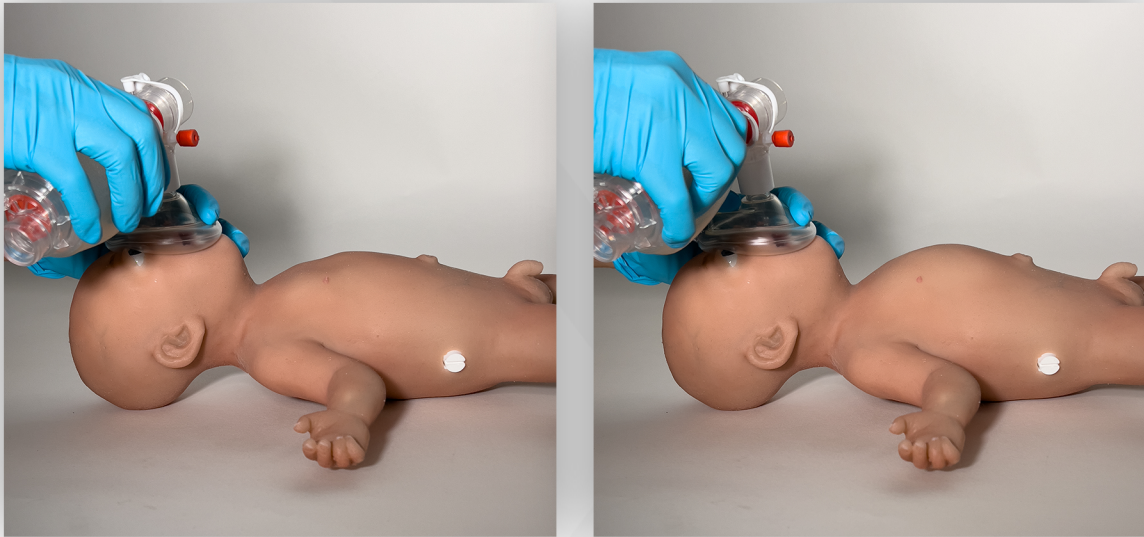
- ◆ Placement of multiple oxygen systems: nasal cannula, face masks, etc.
- ◆ Oropharyngeal and nasopharyngeal airways
- ◆ Orotracheal intubation
- ◆ Nasotracheal intubation
- ◆ Supraglottic devices



## PULMONARY SYSTEM

With lungs and stomach, **NENASim Newborn Xcel FAS** 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 a pneumothorax, and needle decompression can be performed bilaterally.



## NEONATAL RESUSCITATION

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





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## UMBILICAL CORD

An umbilical cord can be attached to **NENASim Newborn Xcel FAS**.

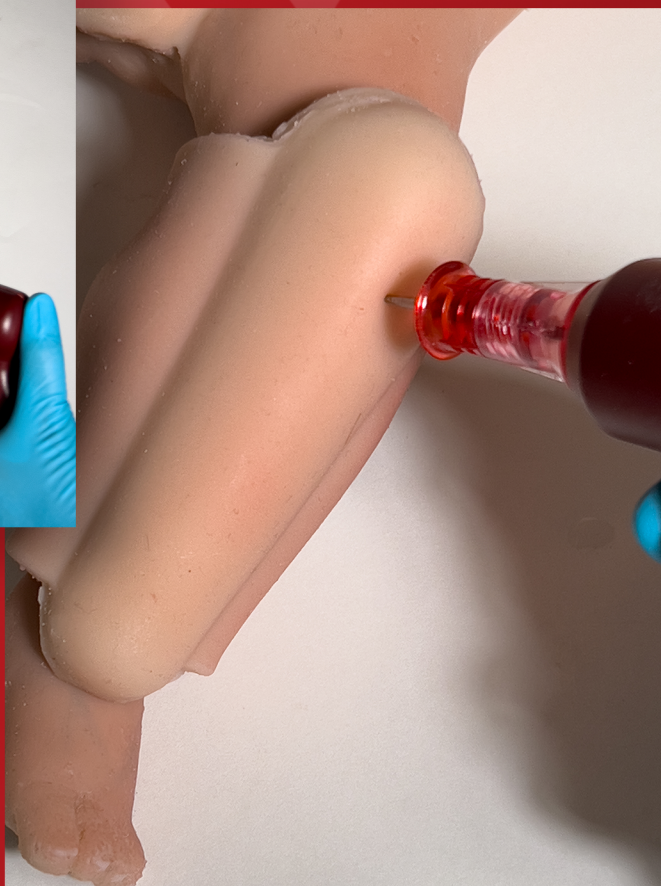
It features two arteries and one vein, all patent and viable for cannulation.

Real fluids can be injected and then drained.



## INTRAOSSEROUS ACCESS

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



## Contact us

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### Support

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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

Contact us



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