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AirSim Pierre Robin X

Item No. PR10000X
Weight Approx. 1kg
Make: TruCorp, Ireland

[Read More](#)

SKU:

Categories: Airway Management Child



Product Description

AirSim Pierre Robin X was developed in collaboration with clinicians from Children's Hospital Los Angeles. This [realistic training manikin](#) highlights difficult airway management techniques for infants with Pierre Robin Sequence/Syndrome (PRS).

Model Features

- Accurate representation of a pediatric patient with Pierre Robin Sequence
- Anatomically correct details for true to life medical procedure training
- Ideal for practicing airway obstruction management techniques

- Provides realistic feedback during airway management & laryngoscopy practice
- 'Real feel' skin covering for added realism
- Anatomically correct AirSim® airway & lifelike soft skin is certified for over 80,000 intubation cycles

Medical Procedure Training

- Double nasotracheal intubation
- Endotracheal tube insertion
- Bag-valve-mask (BVM) ventilation techniques
- Full range of supraglottic devices
- Direct and video laryngoscopy

Pediatric Difficult Airway Trainer

As a result of their unique anatomy, infants with Pierre Robin Syndrome are more likely to present difficulties in airway management. Airway management in patients with uncorrected PRS should be anticipated as potentially very difficult¹ and requires advanced training in difficult [pediatric airway management](#). The Pierre Robin X airway manikin is compatible with a full range of supraglottic devices. We recommend the following equipment sizes for optimal performance:

- 3.5-4.0 mm ID for oral intubation
- Size 1 for supraglottic devices
- Size 1 for video-laryngoscopy

Pierre Robin Syndrome airway management

The AirSim Pierre Robin X allows training in the full range of supraglottic devices.

The AirSim Pierre Robin X's anatomically correct airway has been constructed based on real CT data of a six-month-old infant and exhibits various congenital defects of an infant with PRS including:

- Significant mandibular hypoplasia
- Micrognathia
- Glossoptosis
- Cleft palate

- Bifid uvula

DIFFICULT PEDIATRIC AIRWAY MANAGEMENT TRAINER

In addition to the factors specific to Pierre Robin sequence, difficult airways in infants can be caused by the same factors complicating airway management in adults, including limited head extension, reduced mandibular space and increased tongue thickness.² Airway management skills are fundamental to anaesthesiology. The AirSim Pierre Robin X manikin provides an advanced medical training experience to improve patient safety and outcomes. Our infant difficult airway trainer provides realistic feedback during and facilitates training in several airway management procedures including:

- [Bag-valve-mask ventilation](#)
- Supraglottic device insertion
- Naso and orotracheal intubation
- [Direct and video fiberoptic laryngoscopy](#)

Due to its realism and durability, the AirSim Pierre Robin X makes an ideal airway demonstration model for device manufacturers and educators.

Pediatric Airway Obstruction Management

The ‘real feel’ soft skin covering and accurate anatomy create a more realistic training experience.

Upper airway obstruction is frequently the cause of respiratory distress and failure in pediatric patients³ with the most common causes being infection, airway swelling and foreign body airway obstruction. The congenital defects associated with PRS can also affect upper airway patency, as can enlarged tonsils or adenoids. Techniques and tools for pediatric airway obstruction management include:

- Properly performed bag-valve-mask ventilation
- Use of oral or nasopharyngeal airways during ventilation
- Supraglottic devices including LMA
- Direct laryngoscopy

The AirSim Pierre Robin X trainer allows anesthesiologists and other medical professionals to practice tracheal intubation, mask ventilation and other techniques to overcome the unique challenges presented by this syndrome.

REALISTIC INFANT & PEDIATRIC AIRWAY TRAINERS

TruCorp’s line of pediatric airway trainers are the most realistic and durable child and infant

airway management training equipment available on the market. Our commitment to innovation and accuracy is consistent across our growing line of intubation manikins and [difficult airway management trainers](#). Our [TruBaby X](#) and AirSim® Baby X models are ideal infant airway management trainers with true-to-life anatomical features. Our line of [pediatric airway trainers](#) also includes:

- [AirSim Child X](#): child airway management trainer
- [AirSim Child Combo X](#): pediatric surgical airway trainer

AIRSIM® AIRWAY PROVIDES ACCURATE ANATOMY FOR LIFESAVING TRAINING

The AirSim Pierre Robin X features the innovative and durable [AirSim airway](#), developed to provide the most realistic airway training possible and a long lifespan. Each AirSim airway & lifelike head skin is certified for 80,000+ intubation cycles . Sources

1. ACLS-Algorithms. [[\(PALS\) Pediatric Advanced Life Support](#)] 2018
2. Harless, Jeff; Ramaiah, Ramesh; Bhananker, Sanjay M. Pediatric airway management. [[National Center for Biotechnology Information/National Institutes of Health](#)] 2014
3. Open Anesthesia. [[Intubation in Pierre Robin syndrome](#)] 2018

Package Contents

- [1 Carrier case](#)
- 1 Bottle of [TruCorp® lubrication](#) (100ml)
- [3 Baby lung bags](#) replicating 2 lungs & stomach
- 2 sets of adhesive pads (attachable to suction cups for increased stability if required)

Parts & accessories

- [Replacement AirSim Pierre Robin X Airway](#)
- [Pierre Robin X Head Skin and Nasal Passage](#)
- [Base Plinth](#)
- [Suction cup \(Set of 8\)](#)

Why Choose the TruCorp AirSim® Pierre Robin X for Your Simulation Lab in India?

The TruCorp AirSim® Pierre Robin X (Item No. PR10000X / 1021892) by TruCorp®, Ireland is approximately 1 kg, the only dedicated infant difficult airway management trainer built around the anatomical presentation of Pierre Robin Sequence (PRS) — developed in collaboration with clinicians from Children's Hospital Los Angeles, based on CT DICOM data from a 6-month-old infant with PRS, and certified for 80,000+ intubation cycles. Pierre Robin Sequence is a congenital condition

characterised by mandibular hypoplasia, micrognathia, glossoptosis, cleft palate, and bifid uvula — each of which contributes to a significantly more difficult infant airway than standard anatomy. All five features are accurately represented in this trainer. For paediatric anaesthesia departments, PICU in-service programmes, and NMC-mandated simulation labs in India where clinical exposure to PRS presentations is rare but the airway management challenge they present is high-stakes, this trainer provides the only repeatable, safe practice environment for the specific difficult airway conditions that PRS creates.

The airway management challenge in PRS arises from the combined effect of its anatomical features: the hypoplastic mandible and micrognathia reduce the mandibular space available for laryngoscopy blade and tongue displacement; glossoptosis positions the tongue posteriorly, obstructing the pharynx; and the cleft palate and bifid uvula alter the landmark geometry that laryngoscopists rely on for correct blade placement. Standard infant intubation technique does not adequately prepare trainees for this presentation. The AirSim® airway — derived from CT data of an actual PRS patient — reproduces these specific obstacles with correct anatomical geometry, providing the resistance profile and visual landmark set that PRS management requires. The real-feel soft skin covering adds realistic BVM mask seal challenge to the training session. The full procedure set covers double nasotracheal intubation, ET tube insertion, BVM ventilation, the full range of size-1 supraglottic devices, and direct and video laryngoscopy. Recommended device sizes: 3.5–4.0 mm ID oral, size 1 supraglottic and video laryngoscopy. Package includes: carrier case, TruCorp lubrication (100 ml), 3 baby lung bags (2 lungs + stomach), and 2 sets of adhesive pads with suction cups.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of TruCorp® products in India with over 30 years of experience supplying medical simulators to 1,500+ institutions across 28 states. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support. All products carry genuine manufacturer warranty and meet ISO 9001 quality standards.

Frequently Asked Questions

Q: What congenital features of Pierre Robin Sequence does this trainer replicate? A: Five features specific to PRS are accurately represented: significant mandibular hypoplasia, micrognathia, glossoptosis, cleft palate, and bifid uvula — all based on CT DICOM data from a real 6-month-old PRS patient.

Q: How does this trainer differ from the AirSim® Baby X (JR10001X)? A: The AirSim® Baby X replicates standard infant airway anatomy at 5-month-old proportions. The Pierre Robin X replicates the specific difficult airway presentation of a 6-month-old infant with PRS — mandibular hypoplasia, micrognathia, glossoptosis, cleft palate, and bifid uvula — for dedicated difficult infant airway training that standard anatomy trainers cannot provide.

Q: What is the warranty and how do I get support? A: The AirSim® Pierre Robin X airway and head skin are certified for 80,000+ intubation cycles. For support in India, contact SEM Trainers at sem@semtrainers.com or +91-88495 63724.