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## AirSim Pierre Robin X

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

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**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 difficult<sup>1</sup> 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.<sup>2</sup> 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 patients<sup>3</sup> 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 \(Set of 8\)](#)