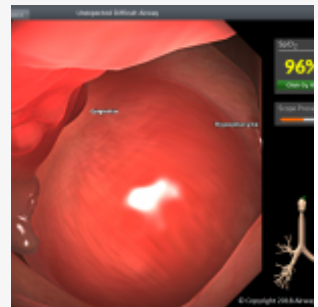


# ORSIM - Fiberbronchoscopy simulator

PRODUCT NUMBER: 1027



## DESCRIPTION:

The **ORSIM Bronchoscopy Simulator** provides comprehensive training for a common diagnostic procedure, which until now has required lengthy specialist training.

The range of **high definition virtual anatomy** and **pathology** allows users to develop the skills, dexterity and knowledge to **operate a clinical flexible bronchoscope** to the highest standard.

## SKILLS:

### HIGH-FIDELITY SCENARIOS:

- ORSIM scenarios are anatomically accurate and clinically relevant.
- Exceptional graphics and animation create the real challenge of a virtual patient who swallows, breathes and pulsates.

### MORE THAN SIMULATORS S.L.

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- A replica bronchoscope promotes psychomotor skill development.
- This unrivaled realism augments skills transfer to the clinical environment.

#### **CURRICULUM LEARNING:**

- The ORSIM curriculum progresses from non-anatomical models to a range of complex airway pathology in adults and children.
- Users can experience patients with a retropharyngeal abscess, a vocal cord cyst, angioneurotic edema or a penetrating neck injury, all within the space of an hour

#### **ORSIM FREESTYLE OR ORSIM LAB:**

- The ORSIM has two learning spaces: ORSIM Freestyle, where users can practice on any chosen scenario; or ORSIM Lab, which guides users through the graduated learning pathway.
- Users move up the learning curve rapidly.
- A 3D mode enables viewing of the full bronchial tree during scenarios.

## **CASES AND PATHOLOGIES:**

#### **NORMAL AND PATHOLOGIC SCENARIOS (included):**

- Normal oral intubation
- Normal nasal intubation
- Tumour partly obstructing the larynx
- Tumour on the base of the tongue with very limited laryngeal access
- Retropharyngeal abscess
- Narrow laryngeal airway because of an obstructing lesion arising from the vestibular fold
- Inflamed, swollen epiglottis

#### **DIFFICULT AIRWAY SCENARIOS (included):**

- Distorted larynx: Increase confidence and anatomical knowledge while navigating a distorted airway.
- False cord cyst: Multiple levels of difficulty with a partial obstruction of the cords requiring advanced flexible bronchoscopy skills.
- Unexpected difficult airway: Laryngeal pathology creates a tortuous pathway to the trachea.
- Gross papilloma: Multiple false passages demand patient, persistence and skill.

#### **INTRODUCTION TO PEDIATRIC AIRWAY (included):**

- Healthy 1-year-old
- Baby with laryngeal mask

## **CHARACTERISTICS:**

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#### **REALISM:**

- ORSIM scenarios are anatomically accurate, with exceptional graphics and animation.
- Users can experience patients with a vocal cord cyst, angioneurotic edema, a penetrating neck injury and many more, all within an hour.
- Managing the ORSIM difficult airways with the replica bronchoscope promotes psychomotor skills.

#### **SMALL, SMART AND ECONOMICAL:**

- This all-in-one, portable training device can be carried with ease and set up in minutes.
- The ORSIM is a robust training tool enabling autonomous, patient-free learning which reduces bronchoscope repair costs and increases operator efficiency.

#### **PERFORMANCE EVALUATION:**

- ORSIM measures a user's performance objectively against expert parameters for more effective learning.
- Each experience can be recorded for playback and debriefing.
- Users take these learnings and practice to achieve proficiency.

#### **SAFETY:**

- Clinicians can develop and maintain skills without risk or discomfort.
- With the ORSIM, they safely experience challenging conditions before encountering the real thing.

### **INCLUDE:**

- 1 Replica Bronchoscope with real controls
- 1 Sensor Module
- 1 Computer preloaded with ORSIM Software
- 1 USB cable
- 1 Mouse and Mouse pad
- 1 Protective carry case
- 1 Getting started guide

### **ADDITIONAL MODULES:**

#### **ORSIM PEDIATRICS (sold separately):**

- ORSIM Pediatrics enables clinicians to develop and maintain essential and advanced skills, without risk or discomfort.
- ORSIM Pediatric patients can be scoped orally, nasally, and via supraglottic airways.
- ORSIM Pediatrics scenarios are based on CT images. They are anatomically accurate and clinically relevant.
- By practising in the most diverse, exciting and challenging range of pediatric scenarios, users can better prepare for the complexities of

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the Operating Room.

- List of scenarios:

- Hemangioma
- Foreign body
- Cystic hygroma
- Vallecular cyst
- Saccular cyst
- Vocal cord trauma
- Epidermolysis bullosa
- Hurler Syndrome
- Laryngomalacia
- Peritonsillar abscess
- Macroglossia
- TOF

**ORSIM PULMONOLOGY I (sold separately):**

- Explore an array of pulmonary pathology in a safe, virtual environment with ORSIM Pulmonology module.
- Develop and improve essential bronchoscopy skills, without risk or discomfort to patients.

- List of scenarios:

- Adenocarcinoma
- Amyloidosis
- Tracheobronchial Aspergillosis
- Thermal Injury x 3
- Bronchiectasis
- Foreign Body
- Carcinoid Tumour
- Papillomatosis
- Small Cell Carcinoma
- Squamous Cell Carcinoma
- Tracheal Bronchus
- Tracheobronchopathia osteochondroplastica
- Tuberculosis

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