



ORSIM® Flexible Bronchoscope Simulator

Airway Simulation Limited



Gain and maintain airway management proficiency using the flexible bronchoscope

ORSIM is the specialist flexible bronchoscope simulator with the widest range of realistic difficult upper airways.

The ORSIM is an innovative simulator designed to teach advanced airway management skills in a virtual environment. Specializing in difficult airways, the ORSIM enables practitioners to prepare for airway management in real life situations.



Developed over 15 years by a world-leading airway management specialist

Dr Paul Baker developed the ORSIM to help train and support anesthesiologists and other practitioners who regularly need to use flexible bronchoscopes.

The simulator was pioneered in his practice and is now the specialist simulator of choice in airway management courses at world-leading institutions.

PAUL A. BAKER

MBChB MD FANZCA FEAMS

Associate Professor, Department of Anaesthesiology, University of Auckland.
President Elect, Society for Airway Management.



Portable, powerful, specialised & always improving

The ORSIM is a flexible bronchoscope simulator with high fidelity scenarios suited to every level of expertise, and an ever-expanding range.

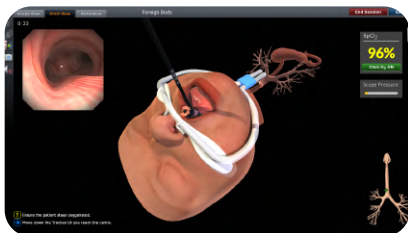
- User friendly interface
- Small and lightweight (9kg/ 19lbs)
- Laptop compatible
- Easily stored in a drawer
- Easily transported in a hardcase
- Rapid start-up
- Robust construction



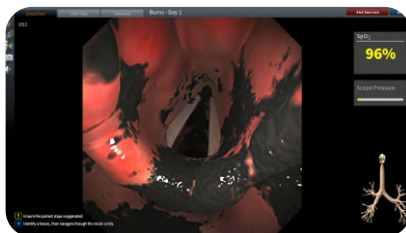
The widest range of realistic difficult airways

The ORSIM includes 30 scenarios with 12 common and uncommon difficult airways, perfect for anesthesiologists and those regularly intubating. There are booster packs of 12 for Pediatric specialists and 15 for Pulmonologists.

Pediatrics



Pulmonology



Intubation



Designed for users of the Flexible Bronchoscope

The ORSIM helps practitioners navigate difficult airways. Originally designed to train anesthesiologists and those regularly intubating, there are now also specialist booster packs for pediatric and pulmonology specific use cases.



Anesthesiologists

Quickly gain experience, skill and confidence on a spectrum of difficult airways that could take years to achieve by exposure to patients

Pulmonologists

Learn to manipulate a flexible bronchoscope, understand normal and distorted anatomy, recognize pathology and achieve accurate clinical diagnoses

Pediatrics

Develop confidence and skill for managing difficult pediatric airways where there is less space, movements are amplified and patients have a shorter apnea time

Intubation

Emergency and Intensive Care practitioners and Ear, Nose and Throat specialists can prepare for the unexpected by practicing management of some of the most challenging airways they will ever encounter

Perform up to 30% better when you warm-up on the ORSIM

Research shows that just 5 minutes warmup ahead of using a flexible bronchoscope sees a 30% increase in speed and accuracy.

The ORSIM should be on hand in all well-equipped operating suites.



ORSIM's unique features and benefits

Fidelity

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

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.

Performance Measurement

ORSIM measures a user's performance objectively against expert parameters for more effective learning.

Users can safely practice over and over in a variety of pathologies, developing psycho-motor skills and expertise at manoeuvring within the airway, while their progress is being tracked and recorded

Safety

In real life, learning is not always safe or comfortable for the patient. The ORSIM replicates clinical scenarios so users can experience challenging and rare conditions, before they encounter them with real patients.

Both learners and experienced clinicians benefit by developing and maintaining skills without risk or discomfort.

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 Pediatrics

Diverse, exciting and challenging - users can safely practice on patients with a peritonsillar abscess, a tracheoesophageal fistula, a pencil embedded in the pharynx, laryngomalacia, cystic lesions, MPS I and connective tissue disease.

ORSIM Pulmonology

Practice accurate clinical diagnosis and safely experience patients with thermal injury, small cell carcinoma, adenocarcinoma, aspergillosis, TO, amyloidosis, bronchiectasis, TB and more.

Small, Smart, Economical

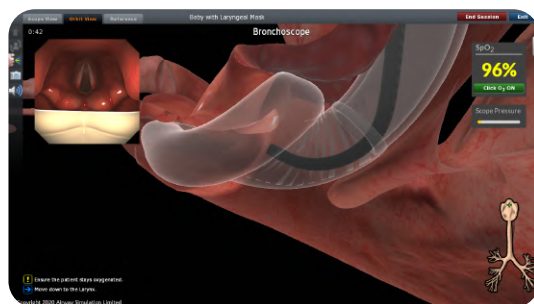
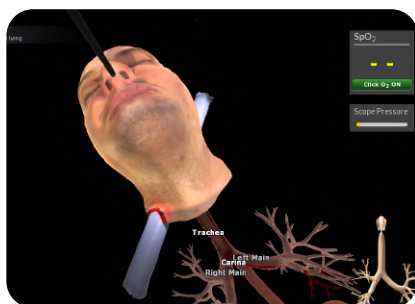
This all-in-one, portable training device is easy to carry and rapid to set up. The ORSIM is a robust training tool enabling autonomous, patient-free learning which reduces bronchoscope repair costs and increases operator efficiency.



Above: An ORSIM patient with a vestibular tumor

ORSIM users markedly improve speed, accuracy and deviation measures

In up to 50% of cases when a difficult airway presents, it is unexpected. It's vital to be practiced and confident navigating a range of common and uncommon difficult airways.



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The ORSIM is the anchor piece of every AirwayOnDemand workshop. We use the ORSIM to master the clinical application of flexible scope intubation. The extreme portability, training modules and periodic updates are ideal.

WILLIAM H. ROSENBLATT, MD,

Professor of Anaesthesiology and Surgery
Yale University School of Medicine, New Haven, CT



Read more testimonials at orsim.com

About ORSIM

Our company was founded on a desire to make the learning and maintenance of essential skills simple, accessible and affordable.

The ORSIM is now recognised globally as a leader in portable simulation training for flexible bronchoscopy.

The company is led by Drs Margot and Paul Baker. Paul is an anesthesiologist and international airway management authority.



Our Mission

Our company mission is to create exceptional virtual reality simulators to equip clinicians with the skills to optimise patient care.

Contact Us

If you have any questions about the ORSIM bronchoscopy simulator, please get in touch using the following methods:



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Try the ORSIM

Use the contact form on our website to enquire about testing a simulator.

Our local team will be in touch.

www.orsim.com