It's All About the Lungs

A common limitation of manikin simulators is that their respiratory mechanics are fairly simple. To effectively teach mechanical ventilation management, you need ventilator grade lungs.

RespiPatient is the only manikin simulator that offers truly high-fidelity lungs. At the core of RespiPatient is our spontaneously breathing ASL 5000 — the world's most sophisticated breathing simulator.
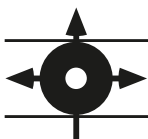
Look, Feel, Listen

RespiPatient provides a comprehensive ventilator management training experience with realistic PEEP, unilateral and bilateral chest rise, and lung sounds. Infinitely adjustable resistance, compliance, and patient effort allow you to simulate almost any breath profile — including coughs or a patient whose condition changes over time. With RespiPatient, you can move from initial CPR maneuvers to bag-valve-mask ventilation, and intubation all the way to advanced procedures such as needle decompression, chest tube insertion, and tracheotomy. RespiPatient can be used to train on any ventilator.

An integrated training system

RespiPatient is part of IngMar Medical's RespiSim® system for ventilator management training, providing curriculum modules with multi-stage patient scenarios, companion lectures, and powerful debriefing tools.

Create a mobile training station for mechanical ventilation management with the optional cart.

IngMar Medical

Respiratory Simulation Specialists

RespiPatient® — An Integrated System

The Manikin

RespiPatient
Train the full range of airway management and CPR skills with an anatomically correct airway, rib cage, three-layered tissue, "real feel" skin covering, realistic chest rise, and CO_2 production for capnography. Replaceable tissue sets allow each learner a life-like and unique experience for training:

- Chest tube insertion
- Needle decompression of tension pneumothorax
- Needle and surgical cricothyrotomy
- Percutaneous tracheotomy
- Identification of tracheal deviation and jugular vein distention

Options
- Lung and heart sounds
- SpO_2 simulation
- Mobile cart

The Lungs

ASL 5000 Breathing Simulator
A high-fidelity, digitally controlled respiratory "flight simulator" that allows you to train for the highest level of patient care, with any ICU ventilator.

Spontaneous Breathing Controls
Examine patient-ventilator interaction with a spontaneously breathing patient including coughs, apnea, active exhalation, playback of actual patient recordings – even snoring!

Disease State Modeling
Quickly access patient models as a basis for your particular situation or create your own unique scenarios. You can always change patient parameters "on the fly" when needed.

Reproducible Patients
Ensure consistent instruction and skills assessment.

The Training

RespiSim® Ventilator Management Training System
Provide structured, multiphase simulation scenarios that engage learners in "clinical storytelling."

Learners review patient and ventilator data, make treatment decisions — and RespiPatient responds.

Vital Signs Monitor and Virtual Patient Chart
Provide patient status — i.e. chest x-rays, lab results, heart and lung sounds.

Instructor Dashboard
Instructors stay in control — amplify effects, throw learners a curveball, or get the simulation back on track so that learning objectives are achieved.

Curriculum Modules
Prepare learners for the hands-on simulation and provide instructors with step-by-step instructions.

Wireless Ventilator Data Interface
Display data directly from a ventilator, such as alarm and mode settings.

INGMAR MEDICAL
Respiratory Simulation Specialists

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