



LEONARDO

Adult Patient Simulator

Advanced technology. Immersive realism.
Unlimited potential.



LEONARDO – The Most Human Patient Simulator

LEONARDO isn't just a simulator — he's a patient. Every detail is engineered to feel real: seamless skin, palpable muscles and bones, true-to-life weight, and full-body articulation. He breathes, blinks, sweats, seizes, and cries — responding like the patients you'll face in real care.

He doesn't just train skills. He builds instincts. By combining physical realism with human emotion, LEONARDO prepares teams to act with confidence in the moments that matter most.



If It Happens, You Can Simulate It

Every emergency, every pathology, every unexpected turn — LEONARDO can bring it to life. Instructors can shift patient conditions instantly or run fully scripted scenarios, from subtle changes to full-scale crises.

With powerful yet intuitive software, you control the entire clinical picture: vitals, rhythms, diagnostics, and interventions. Whether using preloaded cases or building your own, training adapts seamlessly to your goals.

If it happens in patient care, it can happen with LEONARDO — preparing teams for anything.

VENTILATION AND SCENARIO CONTROL



Mechanical Ventilation Ready

Train with a real ventilator. Adjust lung compliance and resistance to simulate COPD, ARDS, or hypoventilation. Manage tidal volumes up to 800ml using our proprietary software.

Train Smarter with the Virtual Anesthesia Machine

- Authentic Training – Touchscreen interface with VCV & PCV ventilation modes.
- Live Feedback – Real-time graphs and smart alarms keep performance on track.
- Full Drug Simulation – Administer Desflurane, Isoflurane, Sevoflurane & N₂O.
- Comprehensive Monitoring – From tidal volume to FiO₂, every key parameter is covered.



FEATURES OVERVIEW

Realistic Patient Simulation

- Full-size, lifelike adult body with realistic weight, skin texture, palpable muscles/bones, and natural articulation
- Highly detailed facial features for enhanced empathy and engagement
- Interchangeable male/female anatomy



Cardiac & Circulatory Care

- 14 palpable pulse points across the body, with configurable pulse strength for each individual limb
- ECG monitoring, defibrillation, pacing, and cardioversion using real devices
- Realistic physiological responses to CPR, shocks, and drug administration



Advanced Airway & Respiratory Training

- Anatomically correct airway with programmable complications
- Supports intubation, nasal intubation, cricothyrotomy, chest tube insertion, needle decompression, and more
- Compatible with real ventilators; adjustable lung compliance/resistance



Neurological & Trauma Response

- Realistic convulsions: tonic and clonic seizures that demand rapid recognition and intervention
- Dynamic pupillary reflexes: light response with programmable dilation and constriction, unilateral or bilateral
- Visible cyanosis: lifelike discoloration of hands and nasolabial triangle to signal critical hypoxia
- Trismus (lockjaw): challenging airway complication that tests emergency response under pressure



FEATURES OVERVIEW

Drug Administration, Clinical Skills & Emergency Care

- IV, IO, and medication administration with automatic drug recognition and pharmacokinetic feedback
- Active bleeding wound modules, tourniquet application, urinary catheterization, and secretion simulation (sweat, tears, nasal, oral, otorrhea, urination).
- Auscultation of lung, heart, and bowel sites with an extensive library of sounds from real clinical cases

Flexible, Intuitive Software

- Rapid scenario creation and patient state changes
- Preloaded scenarios plus unlimited custom cases
- Integrated patient monitor with full vital sign display and controls



Experience Training Like Never Before

LEONARDO is more than a simulator – he's a lifelike patient, equipped with everything needed to begin training, including the instructor's laptop and key accessories. The intuitive software makes navigation effortless, allowing instructors to shape scenarios instantly and confidently. LEONARDO brings realism, empathy, and precision into every session – preparing professionals not just to practice care, but to deliver it.

Contact Us

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