

to teach to heal
together



**Western University
of Health Sciences**

**State-of-the-Art
Medical Simulation**
Preparing Tomorrow's
Health Care Professionals



“Sim labs are the most effective way to train somebody how to do medicine because it reinforces the learning you get in the classroom, decreases anxiety, and prolongs retention of that knowledge. It keeps students motivated to work. It motivates them to go back in and study harder for exams.”

“Students can practice in the skills lab as much as they want. Repetition and familiarity decrease anxiety and increase skill development. Those lessons then shine in the real-world environment. Most people wouldn’t want to fly with a pilot who did not practice on a simulator. The same is true for medical care.”

**DERRICK SORWEIDE, DO, FACOFP
MEDICAL DIRECTOR OF SIMULATION**



COMP Sarkaria Family Patient Simulation Suite

Thanks to a generous donation, Western University of Health Sciences, College of Osteopathic Medicine of the Pacific completed a two-year renovation (February 2023) that has transformed the clinical skills lab into the **Sarkaria Family Patient Simulation Suite**.

The 6,000 square foot innovative learning space with state-of-the-art equipment provides WesternU students with the highest quality medical simulation experiences. These innovative simulation opportunities accelerate safe and effective training and improved patient outcomes for everyone.

Features:

- **Surgery/Operating Room (OR/ER)**
- **Labor/Delivery Room**
- **Simulation Flex Rooms (3) for novel technologies**
- **Med-Sim Control Rooms (2)**
- **Digital Immersive Training Environment Room**
- **Standardized Patient Exam Rooms (22) – new electric exam tables, medical wall units, white boards, and standard hospital room furniture**
- **Patient Simulators (4)**
 - HAL® sS5301
 - VICTORIA® S2200
 - Pediatric HAL® S2225
 - Super TORY® S2220



HAL® S5301

WesternU students train on the world's most advanced interdisciplinary patient simulator – HAL® S5301. HAL is one of only six manikins being utilized in the United States and the only one on the west coast. HAL® will display symptoms and students will work with other advisors to determine a diagnosis.

From emergency care to ICU and med-surg training, HAL is designed to fulfill educational objectives across clinical disciplines and blur the lines between simulation and real life. New lifelike motor movement, next-gen simulated physiology, UNI® 3, and other industry-first capabilities.



VIZMOVE PRISM

WesternU students experience virtual reality in our VizMove Prism immersive training environment room, which has interactive triggers with surround sound, light functions, and the ability to add ambient smells to the room to create a realistic virtual training experience. With the ability to build scenes, the VizMove Prism challenges students and elicits emotions, memories, responses and ideas.

“You can learn how to do a technique in a book and envision it in your head, but being able to actually feel the landmarks on a simulated model I feel like is the best practice. It allowed me to be more confident in a technique. I might think that I know how to do it. I could write out the procedure, but being able to intubate a patient or put a central line in allows you to get over the nerves. Now I know I can actually do it.”

MONICA MENDOZA, DO STUDENT
COLLEGE OF OSTEOPATHIC MEDICINE OF THE PACIFIC





COMP-Northwest Simulated Medicine and Readiness Training Lab

Thanks to a generous donation, Western University of Health Sciences - Oregon, College of Osteopathic Medicine of the Pacific-Northwest launched a highly advanced, contemporary clinical skills lab, **Simulated Medicine and Readiness Training (SMaRT) Lab**, during the 2023-24 academic year. The innovative learning space provides WesternU students with high quality medical simulation experiences.

Features:

- Surgery/Operating Room
- Labor/Delivery Room
- Emergency Department Room
- Standardized Hospital Patient Rooms
- Skills Lab – multipurpose space for skill trainings, debriefs, group work
- Patient Simulators (6)
 - SimMan® 3G Plus
 - Pediatric HAL® S222
 - Super TORY® S2220
 - TOMManikin (TCCC)
 - Trauma HAL® S3040
 - VICTORIA® S2200



SIMMAN® 3G PLUS

WesternU students train on Laerdal's SimMan® 3G PLUS, one of the most advanced emergency care patient simulators in the world. SimMan is designed to simulate complex medical cases that help prepare learners for real-world situations. SimMan is capable of teaching over 150 skills. Operators control vitals, communication, and functions remotely to allow students to practice and refine proficiency in an encounter based learning environment. All aspects of medical training can be practiced – acute, critical, trauma, behavioral, pharmacology. SimMan patient features includes a portfolio of medical cases: patient voice, airway, breathing, cardiac, circulation, vascular, CPR, eyes, seizure, bleeding, secretions, and catheterization.

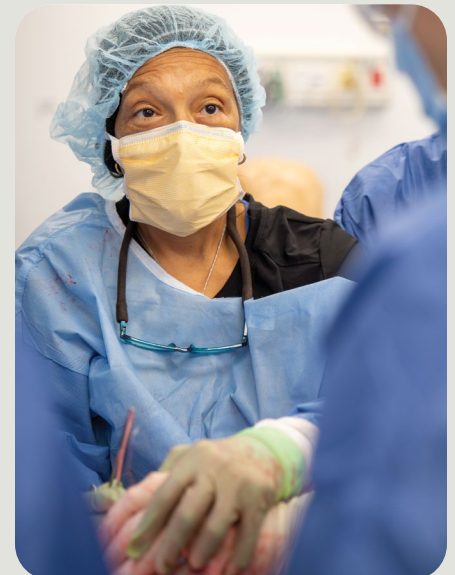


TRAUMA HAL® S3040

Trauma HAL is specifically engineered to meet the training need of first responders, EMS, and in-hospital emergency teams. Trauma HAL helps teams engage in true-to-life training exercises to improve emergency preparedness, response, and patient care. Featuring anatomically accurate landmarks and proportions, learners are able to utilize native equipment including ECG Monitors, BP Cuff, and defibrillators.

“The beauty of simulation is it allows us to have a teachable moment. We can stop in the middle of a procedure and explain what the student should have done. You can do real-time correction without harming the patient.”

MARIAN SAFAOUI, MD
DIRECTOR, CAREER AND PROFESSIONAL DEVELOPMENT
ASSISTANT PROFESSOR OF ANATOMY & SURGERY



High-Fidelity Simulation in Obstetrics

VICTORIA® S2200

VICTORIA® S2200 is the world's most lifelike childbirth simulator. WesternU students work with their colleagues to deliver a baby. VICTORIA is designed to deliver exceptional training through a truly immersive experience.

From early pregnancy complications, high-risk deliveries, and postpartum emergencies to non-gravid scenarios for general nursing care, VICTORIA simulates a full range of obstetrical events to facilitate teamwork and deepen critical thinking skills in learners of all levels. More than a childbirth simulator, VICTORIA is a complete simulation solution developed from decades of obstetrical experience. It is a comprehensive package of tools and support designed to help improve patient safety in women's health through education and training.

SUPER TORY® S2220

As WesternU students deliver a baby from VICTORIA, they have the opportunity to embrace and care for Super TORY® S2220. TORY is the first newborn simulator developed to meet the challenges of neonatal care specialist training in real environments. Active movement, true ventilator support and real patient monitoring. TORY simulates complex pathologies and respond to interventions with unparalleled realism offering true-to-life physical and physiological attributes for every stage in neonatal care, whether training in a simulation center, in situ, or in transit.

PEDIATRIC HAL® S2225

WesternU students who focus on health care for infants, children and adolescents, train on the world's most advanced pediatric patient simulator and the first capable of simulating lifelike emotions through dynamic facial expressions, movement, and speech – Pediatric HAL® S2225. This experience is designed to help WesternU students develop the specialized skills needed to effectively communicate with, diagnose, and treat young patients throughout the continuum of care, including pre-hospital, transport, emergency, nursing, and intensive care settings.

Special Training Programs

The SMaRT Lab has been utilized as a certified training site for the American College of Surgeon's Stop the Bleed program, to run Military Wilderness Medicine drills, for trauma training with the Army, for community-based training in cooperation with Lebanon Samaritan Hospital, Lebanon Fire, Lebanon Police, and Life-Flight, and many other student club activities.



As WesternU Oregon expands, the SMaRT Lab will become a cornerstone for the entire Pacific Northwest. The lab will serve as a training resource for COMP-Northwest and College of Health Sciences-Northwest students, for residents, as well as for outside doctors and nurses, sheriff's search and rescue teams, and firefighters.



U.S. NEWS & WORLD REPORT

WesternU's College of Osteopathic Medicine of the Pacific is recognized as one of the best medical schools in the country according to the annual US News & World Report's 2023 Best Graduate Schools - Medicine:

- **Best Medical Schools: Research**
- **Most Diverse Medical Schools**
- **Most Graduates Practicing in Medically Underserved Areas**
- **Most Graduates Practicing in Primary Care Fields**
- **Most Graduates Practicing in Rural Areas**
- **Best Medical Schools: Primary Care**

Western University of Health Sciences

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