



Bring Ultrasound Simulation to Life

Unlock the full potential of your Sim Center with SonoSim

- ✓ Seamlessly integrate ultrasound into **Standardized Patients and OSCEs**
- ✓ Develop procedural knowledge that complements **U/S Task Trainers**
- ✓ Enable **Remote Learning** and **Virtual Scanning** of pathologic cases with the SonoSimulator®



Integrate Resources



Apply
SonoSim LiveScan



Study Tools



Practice Procedures



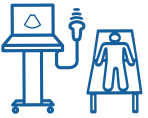
Scan
SonoSimulator



Track
Performance Tracker



Learn Courses



Bedside Clinical Practice

SonoSim's Comprehensive Ultrasound Training Ecosystem Maximizes Sim Center Success

Decades of partnering with Sim Center learners and educators have driven SonoSim to create a suite of tools that enhance ultrasound education and training by utilizing existing Sim Center resources.



Standardized Patients

Transform standardized patients & live volunteers with real pathologic conditions, integrating ultrasound into any scenario. SonoSim LiveScan® seamlessly integrates ultrasound image acquisition, interpretation, and incorporation of pathologic findings into medical decision making using real human volunteers. This proven-effective method enhances realism and effectiveness of training session.

High- & Low-Fidelity Manikins

SonoSim LiveScan® allows for the seamless integration of ultrasound image acquisition, interpretation, and incorporation of pathologic findings into medical decision making using existing high- and low-fidelity manikins.

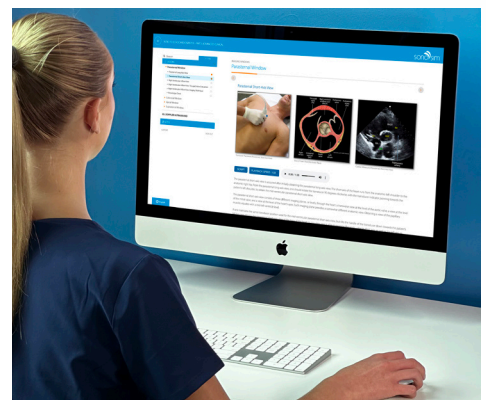


Task Trainers

SonoSim helps learners develop procedural knowledge and engage in deliberate practice across a variety of ultrasound-guided procedures prior to Sim Center sessions. This pre- and post-training approach helps learners maximize their experience using Sim Center Task Trainers and accelerates learning.

Remote Learning Tools

Cloud-based service can be run on site or on personal laptops - complements in simulation training with pre- and post- simulation training.



SonoSim LiveScan®

Add ultrasound to standardized patients & manikins

- Conduct realistic, live simulations that teach application of U/S in medical decision-making & assess how well it is applied.
- Instantly transform any manikin or live volunteer into a “patient” with real pathology.
- Enable educators to create >1 million scenarios with real ultrasound pathologies.
- Create additional realism by dynamically changing vital signs on-the-fly, in response to learner decision-making.



Scan Real Patient Pathology



Create Realistic Scenarios



Control Vital Signs & Pathophysiologic States Remotely

Immersive Simulations

Simulate using real pathologic cases

- The SonoSim LiveScan CaseController feature enables instructors to deliver immersive, highly-engaging & dynamic simulation scenarios.
- Control key vitals, like heart rate and respiratory rate, creating real-world variations in real-time, from anywhere, via any connected device.
- Vary pathophysiologic states in response to learner medical decision-making.



Use Pre-Built Scenarios or Build Your Own

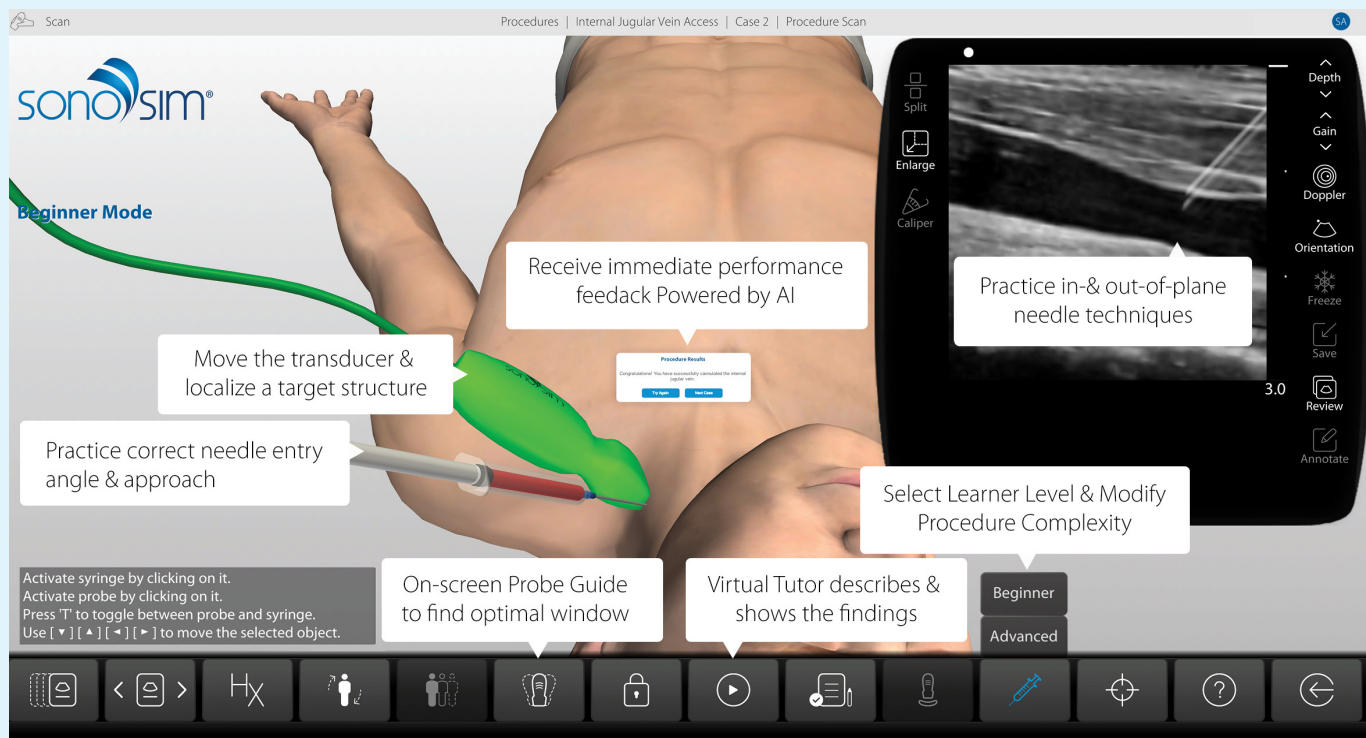
Cardiac Resuscitation	Critical Care	Trauma Care	Early Stage Pregnancy	Late Stage Pregnancy	Neonatal & Infant Neurosonography	Genitourinary	Hepatobiliary	Ocular

Facilitate Mastery of U/S-Guided Procedures through Deliberate Practice

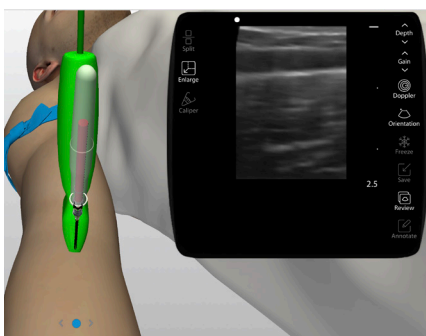
Prepare learners with pre-training in procedures



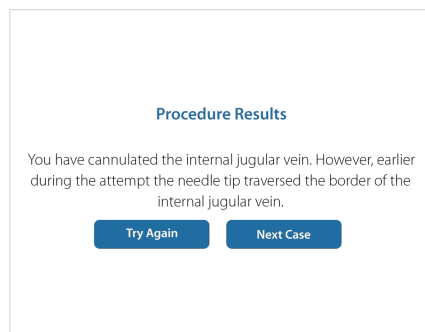
- **Unlimited On-Demand Practice** – Perform hands-on scanning with real pathologic cases anytime.
- **Diverse Body Morphologies & Physiologic States** – Train across a variety of anatomies and conditions.
- **Develop Procedural Knowledge & Skills** – Master ultrasound-guided procedures and techniques.
- **Virtual Tutor & On-Screen Probe Guidance** – Gain support to ensure accurate and confident scanning.
- **Real-Time Performance Feedback Powered by AI** – Receive insights to improve technique and outcomes.



Ultrasound-Guided needle placement - in a risk-free environment



Built-in AI provides needle tip tracking feedback



Immediate feedback on procedure performance



On-demand ultrasound expert tutorials & virtual guidance

From Learning Ultrasound Fundamentals to Ultrasound Mastery

SonoSim provides the essential building blocks for learning ultrasonography



Learn - Build Foundations with Remote Learning Tools

- **85+ Courses Covering Core to Advanced Concepts** – Build comprehensive, foundational knowledge.
- **Expert Developed, Peer-Reviewed Content** – Learn from leading ultrasound educators.
- **Anytime, Anywhere Access** – Accessible learning for any schedule or environment.
- **Standardized, Measurable Progress** – Prepare learners with consistent education and assessments.

Scan - Master Image Acquisition & Interpretation using Real Pathologic Cases

- **Develop Image Acquisition & Interpretation Skills** – Build confidence in scanning techniques and interpreting ultrasound images.
- **Provide Unlimited, Standardized Access** – Practice on real patient pathology anytime, anywhere with thousands of real patient cases.
- **Support Learning with a Virtual Tutor** – Learners receive real-time on-screen probe guidance and explanations provided by leading ultrasound experts.
- **Learn Fundamental Applications & Advanced Techniques** – Master core ultrasound skills and advanced methods like Doppler imaging.

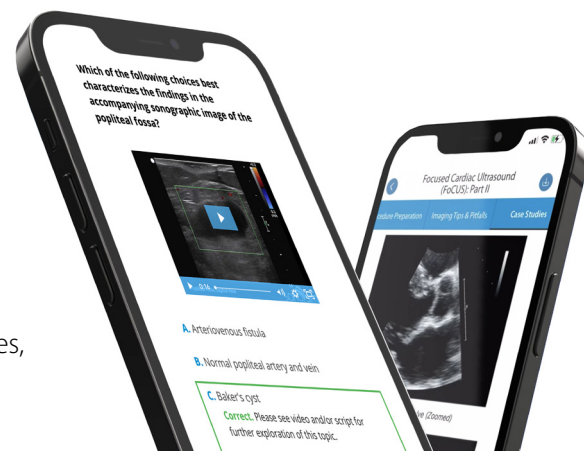


Track - AI-Driven Insights to Track Progress

- **Evaluate Skills Effectively** – Assess ultrasound image acquisition and interpretation with AI-driven analysis.
- **Enhance Hands-On Training** – Identify skill gaps and refine techniques before simulation sessions.
- **Support All Modalities** – Seamlessly integrate tracking into various training setups.
- **Access Anytime** – Review detailed performance metrics on-demand for continuous improvement.

Study - Build Knowledge with Self-Guided Resources

- **Access Comprehensive Study Resources** – Short-form learning that features case studies and our 3,000+ QuestionBank.
- **Enhance Knowledge Retention** – Use structured content to deepen understanding and prepare for certifications or assessments.
- **Study Anytime, Anywhere** – Self-paced resources enable learning on your schedule, whether at home or on the go.
- **Strengthen Fundamentals** – Build a robust foundation in ultrasound principles, readying learners for advanced applications.

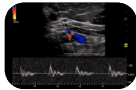


Meet the Diverse Training Needs of a Variety of Specialties

Unlimited Access. Anytime. Anywhere.

Simulation leaders must support the ultrasound training requirements of many different types of learners. SonoSim helps you successfully meet this challenge with its ecosystem of ultrasound training solutions and services. We provide ultrasound educators the ability to develop ultrasound knowledge and skills, as well as develop the ability of learners to integrate ultrasound into medical decision-making.

With our flexible ultrasound training resources, seamlessly integrate ultrasound into every simulated patient encounter, while also enabling ultrasound competency assessment in real-time.

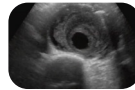


Medical Schools

- Matches Recommended SRU & AMSER & Canadian Consensus Medical Student U/S Curriculum

Content

- 85+ Ultrasound Topics
- Organ-Specific Content: Anatomy & Physiology Topics
- Clinical Rotation Support: Core & Advanced Clinical Topics
- Pre-Train for Procedures: Procedure Topics
- Short-Form Learning: QuestionBank & Case Studies



Emergency Medicine

- Matches Recommended ACEP U/S Curriculum

Content

- Airway & Pulmonary
- Aorta/IVC
- Cardiac
- DVT & Vascular
- eFAST/FAST & RUSH
- Abdomen
- MSK & Soft Tissue
- OB/GYN
- Ocular
- U/S-Guided Procedures
- And more...

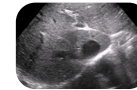


Internal Medicine

- LVEF Measurement
- Cardiac Tamponade
- Pulmonary Assessment

Content

- Airway & Pulmonary
- Aorta/IVC
- Cardiac
- DVT & Vascular
- eFAST/FAST & RUSH
- Abdomen
- MSK & Soft Tissue
- Ocular
- U/S-Guided Procedures
- And more...

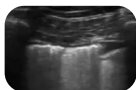


Family Medicine

- Matches Recommended AAFP U/S Curriculum

Content

- Airway & Pulmonary
- Aorta/IVC
- Cardiac
- DVT & Vascular
- eFAST/FAST
- Abdomen
- MSK & Soft Tissue
- OB/GYN
- Ocular
- U/S-Guided Procedures
- And more...

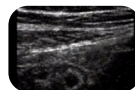


Anesthesiology/ Critical Care

- Matches Recommended SCCM U/S Curriculum
- Focused Cardiac U/S Training
- U/S-Guided Vascular Access Training

Content

- Airway & Pulmonary
- Aorta/IVC
- Cardiac
- DVT & Vascular
- eFAST/FAST & RUSH
- U/S-Guided Procedures
- And more...



General Surgery

- U/S-Guided CVL Placement
- Hemopericardium & Hemothorax

Content

- eFAST/FAST
- U/S-Guided Procedures
- Abdomen
- Airway & Pulmonary
- Cardiac
- DVT & Vascular
- And more...

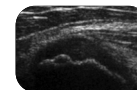


OB/GYN

- Matches AIUM OB/GYN U/S Consensus Recommendations

Content

- First-Trimester Pregnancy
- Second- & Third-Trimester Pregnancy - Part I & II
- Normal Uterus & Adnexa
- Abnormal Uterus - Part I & Part II
- Nonmalignant & Malignant Adnexal Conditions
- And more...



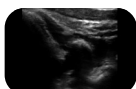
Orthopedics/ Sports Medicine

- Ankle, Elbow, Foot, Hand & Finger, Hip, Knee, Shoulder, Spine, Soft Tissue, and Wrist: Anatomy & Physiology

- Joint Effusions
- Tendinopathy
- Soft Tissue Evaluation

Content

- MSK & Soft Tissue
- MSK Procedures
- And more...

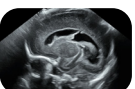


PAs & Nurse Practitioners

- Matches Recommended AIUM POCUS Practice Parameters

Content

- Aorta/IVC
- Cardiac
- DVT & Vascular
- Abdomen
- MSK & Soft Tissue
- OB/GYN
- Airway & Pulmonary
- U/S-Guided Procedures
- And more...

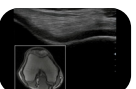


Pediatrics

- 60+ Pediatric Cases Across Multiple U/S Applications

Content

- Neonatal & Infant Neurosonography
- Abdomen
- Airway & Pulmonary
- Cardiac
- U/S-Guided Procedures
- eFAST/FAST & RUSH
- Soft Tissue
- Vascular
- And more...



Radiology

- Image Acquisition & Interpretation of Hundreds of Pathologies
- Co-registration with Cross-Sectional Imagery (X-ray, CT, MRI)

Content

- 85+ SonoSim Topics



Urology/ Nephrology

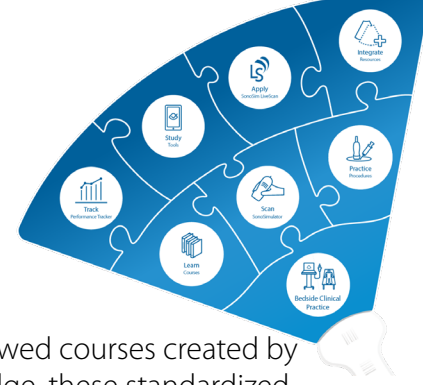
- Mild & Moderate Hydronephrosis
- Intrarenal Stones
- Bladder & Prostate Assessment

Content

- Bladder
- Renal
- Prostate & Scrotum
- Female Pelvis
- And more...

Enhancing Ultrasound Simulation Learning

Improve Student Performance With SonoSim



Cloud-Based Ultrasound Courses

Access a growing library of 85+ interactive, multimedia, and peer-reviewed courses created by leading ultrasound educators. Designed to build foundational knowledge, these standardized courses—complete with Knowledge Checks and Mastery Tests—prepare learners for hands-on simulation training with anytime, anywhere access from any device.

SonoSimulator® Ultrasound Scanning Cases

Develop essential image acquisition and interpretation skills with unlimited access to standardized scanning cases featuring real patient pathology. Supported by a virtual tutor and on-screen probe guidance, learners can master fundamental ultrasound applications and advanced techniques, including Doppler.



SonoSimulator® Ultrasound-Guided Procedures

Gain unlimited on-demand practice with real pathologic scanning cases that feature varying body morphologies, physiologic states, and anatomy. Develop procedural knowledge and psychomotor skills with the help of a virtual tutor, on-screen probe guidance, and real-time performance feedback powered by AI.

Performance Tracker – Monitor Progress and Deliver Feedback

Track and measure learners' progress with manual and AI-powered assessments of ultrasound image acquisition and interpretation skills. Provide learners with a portfolio of completed training milestones and actionable feedback to support their growth and skill development.

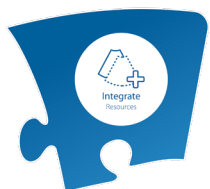


Self-Study Tools & Flexible Learning Pathways

Gain unlimited on-demand practice with real pathologic scanning cases that feature varying body morphologies, physiologic states, and anatomy. Develop procedural knowledge and psychomotor skills with the help of a virtual tutor, on-screen probe guidance, and real-time performance feedback powered by AI.

SonoSim LiveScan®

Transform any live volunteer or manikin into a patient with real pathology using the largest library of pathologic ultrasound cases. Create realistic, immersive simulations with pre-built or customizable scenarios, adjusting vital signs and pathophysiologic states on-the-fly from any device. Build limitless training and assessment opportunities for learners.



Integrate SonoSim Into Curriculum & Align Learning Objectives

Seamlessly integrate SonoSim content into any curriculum, cohort, or rotation. Align with professional society guidelines and specialty-specific practice parameters, assign pre-authored SonoSimulator® hands-on scanning cases, and access course outlines, answer keys, and searchable content for streamlined curriculum building.



See the Ecosystem
in Action

Bring Ultrasound Simulation to Life with...



2000+
Institutions



85+
Medical Topics



∞
Scanning



120,000+
Members



40+
Global Distributors



300+
CME Credit Hours*



The Easiest Way to Learn & Teach Ultrasonography®

*Approved for AMA PRA Category 1 Credits™