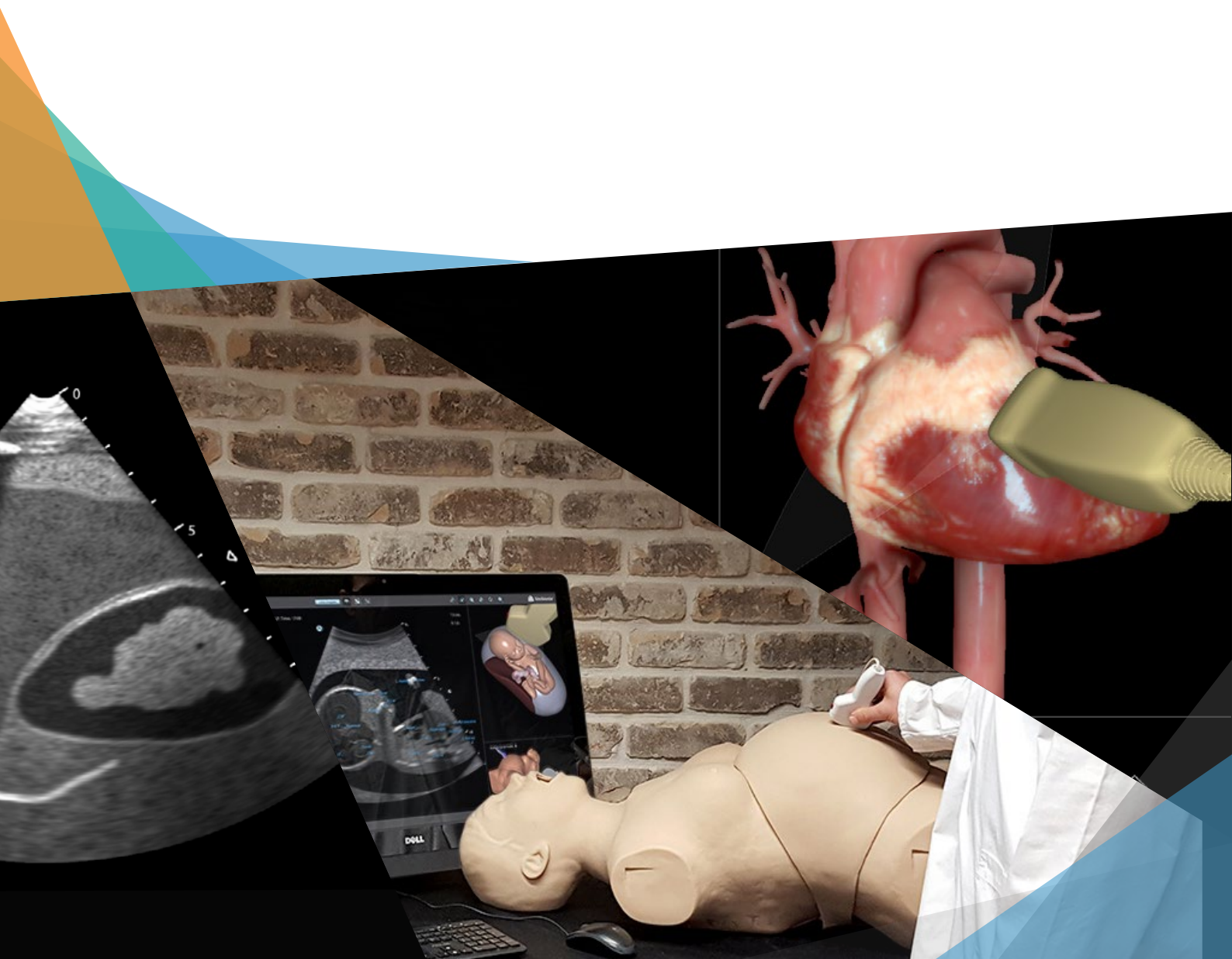




U/S Mentor™





Ultrasound Mentor

AN ULTRASOUND TRAINING SOLUTION ACROSS MEDICAL SPECIALTIES

The Symbionix U/S Mentor is a high-fidelity simulator for the training of ultrasound examinations and interventions. It provides interns, residents, fellows and practicing physicians the optimal solution for acquiring and improving their sonography skills on a variety of patient anatomies and pathologies.

Key Benefits

- Accelerates the development of technical and cognitive skills
- Saves faculty time by enabling self-learning
- Enables individual progress monitoring by instructor
- A modular platform serving multiple specialties
- Fits varied experience levels

Enhanced Educational Value

- **Complete didactic environment:** 3D anatomical map, anatomical labels, video tutorials and more
- **Competence assessment:** captured images are compared to gold standard and proficiency-based learning
- **Skill Tasks and Procedural Tasks:** integrated step-by-step scan protocols
- **Extensive Content:** a wide coverage of medical specialties and experience levels
- **Integrated curricula:** according to professional guidelines and protocols

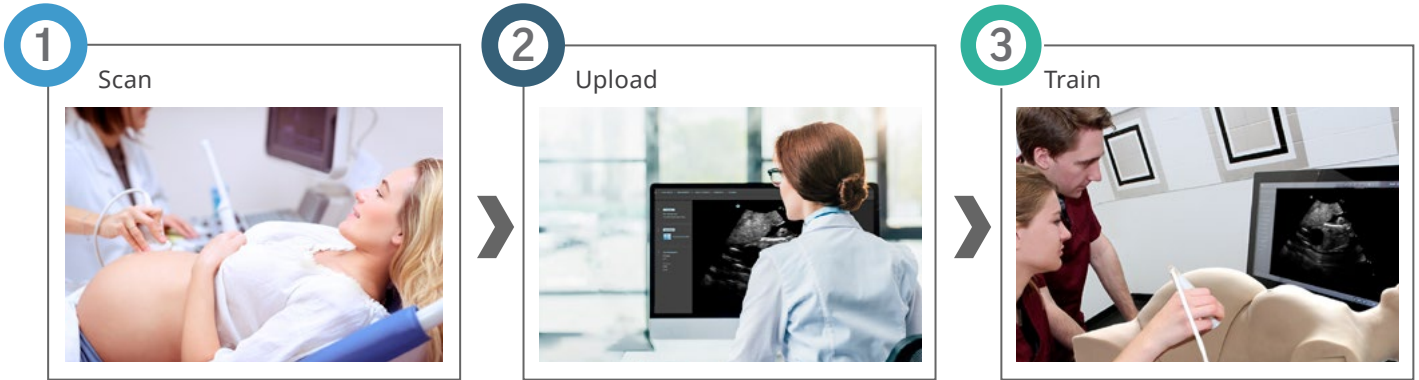
Enhanced Realism

- **A true-to-life, complex ultrasound image:** presents common ultrasound attributes and artifacts
- **Realistic anatomies physiology and pathologies:** offer a diverse range of normal to abnormal scenarios
- **Advanced diagnostic tools:** Doppler modes, M-mode, numerous measurements and auto calculations

The U/S Mentor™ is the optimal hands-on training solution for ultrasonography, designed to improve patient care by accelerating the trainee's learning curve and promoting diagnostic competence.

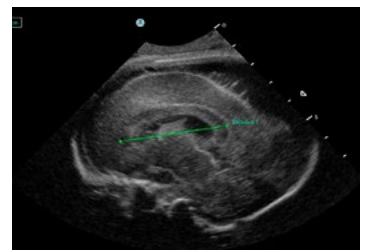


MyCase Create your own simulation case



Diverse Simulation Technologies

Offer the most advantageous training experience: Virtual 3D simulation and US-image-based focused clinical scenarios.



MentorLearn Cloud

Ask how the MentorLearn Cloud simulator curricula management system can support your Symbionix simulator. MentorLearn's many capabilities include remote simulator administration, online learning, anywhere results monitoring, proficiency based hands-on training, as well as simulation video capture that is ideal for debriefing.

Automatic Updates use Over-the-Air (OTA) technology to ensure that your Symbionix simulator software is always the latest version available.

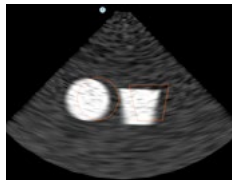
Request a demo or more information at healthcare@3dsystems.com

U/S Mentor Modules

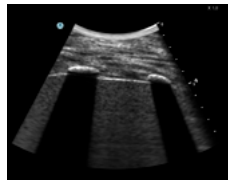
Modules and clinical cases are continuously developed in collaboration with medical experts to serve the growing demand for ultrasound training in various clinical specialties.



Male



SONOGRAPHY BASIC SKILLS



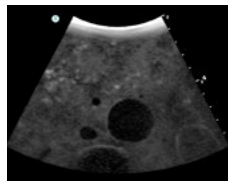
eFAST AND RUSH



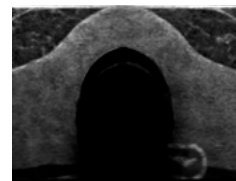
eFAST AND RUSH VR



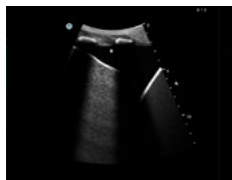
BEDSIDE ECHOCARDIOGRAPHY



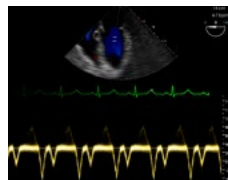
ABDOMINAL



NECK



LUNG



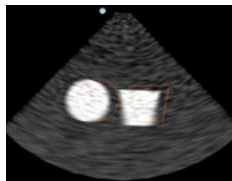
TEE



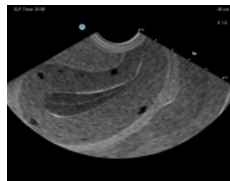
ADVANCED ECHO



Female



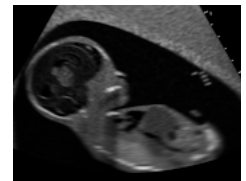
SONOGRAPHY BASIC SKILLS



BASIC GYN



OBSTETRICS 1ST TRIMESTER



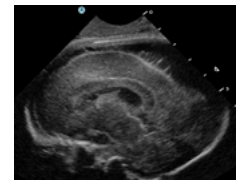
OBSTETRICS 2ND TRIMESTER



OBSTETRICS 2ND TRIMESTER VR

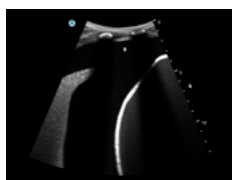


FETAL ECHO

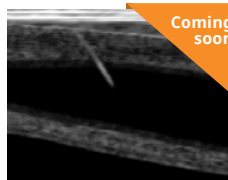


FETAL NEUROSONOGRAPHY

U/S Guided Interventions



THORACENTESIS



CENTRAL LINE

Coming soon



Modular, Cross-Specialty Simulation Platforms

Male and Female Mannequins

- Desktop and cart-based configurations offer portable and ergonomic solutions
- True-to-life palpable mannequins
- Easy mannequin exchange for continuous training
- Seamless probe exchange for alternate approach



U/S Guided Interventions

A new platform with needle/syringe tracking and replaceable puncture pads to practice various interventions.



TEE Express



Portable, cost-effective solution for TEE training

VR Add-On



For a highly immersive training experience, available for Trauma/Emergency and OB 2nd Trimester Modules



"Working with the U/S Mentor helps shorten our students' learning curve, both in terms of their scanning capabilities and improved clinical reasoning. Learning new scanning protocols in a scaled, self-directed manner is also quite useful, especially when considering the patient discomfort, intimate nature of endovaginal sonography and limited faculty spare time."

Sanja Kupesic Plavsic, MD, PhD

Associate Academic Dean for Faculty Development
Professor of Obstetrics and Gynecology
Director of Center for Advanced Teaching and
Assessment in Clinical Simulation (ATACS)
Paul L. Foster School of Medicine Texas Tech University



"We have used the U/S Mentor extensively, and I recommend it very strongly to train fellows in cardiology and cardiac anesthesiology to improve their TEE skills and practice performing comprehensive TEE procedures. The training modules allow for incremental levels of comfort and expertise in being able to acquire the optimal images for accurate diagnosis. This simulator can also be used during CME courses under the guidance of an expert, to assess skill levels and suggest interventions to improve the quality and timeliness of performing comprehensive examinations."

Jyothy Puthumana, MD, FACC

Associate Professor of Medicine (Cardiology)
Feinberg School of Medicine, Northwestern University



"I am very pleased with the Symbionix U/S Mentor and find it integral in my teaching. I purchased the cardiac package to overcome a major gap that students have from knowing little to nothing about adult echocardiography to learning and understanding the anatomy of the heart. My high expectations for its implementation were exceeded as my students independently take extra time to use the simulator."

Scott Cutler BS, RDCS, RVT, RDMS

Director of Echocardiography (NCT)
Spokane Community College

Healthcare Solutions

3D Systems is a pioneer for healthcare solutions that improve outcomes which benefit both patients and surgeons. Our global team works with customers to help navigate technologies and provide support for surgical planning, training, device design, personalized medical technologies and 3D printing. We are dedicated to helping medical professionals train for, plan and practice complex medical procedures.

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