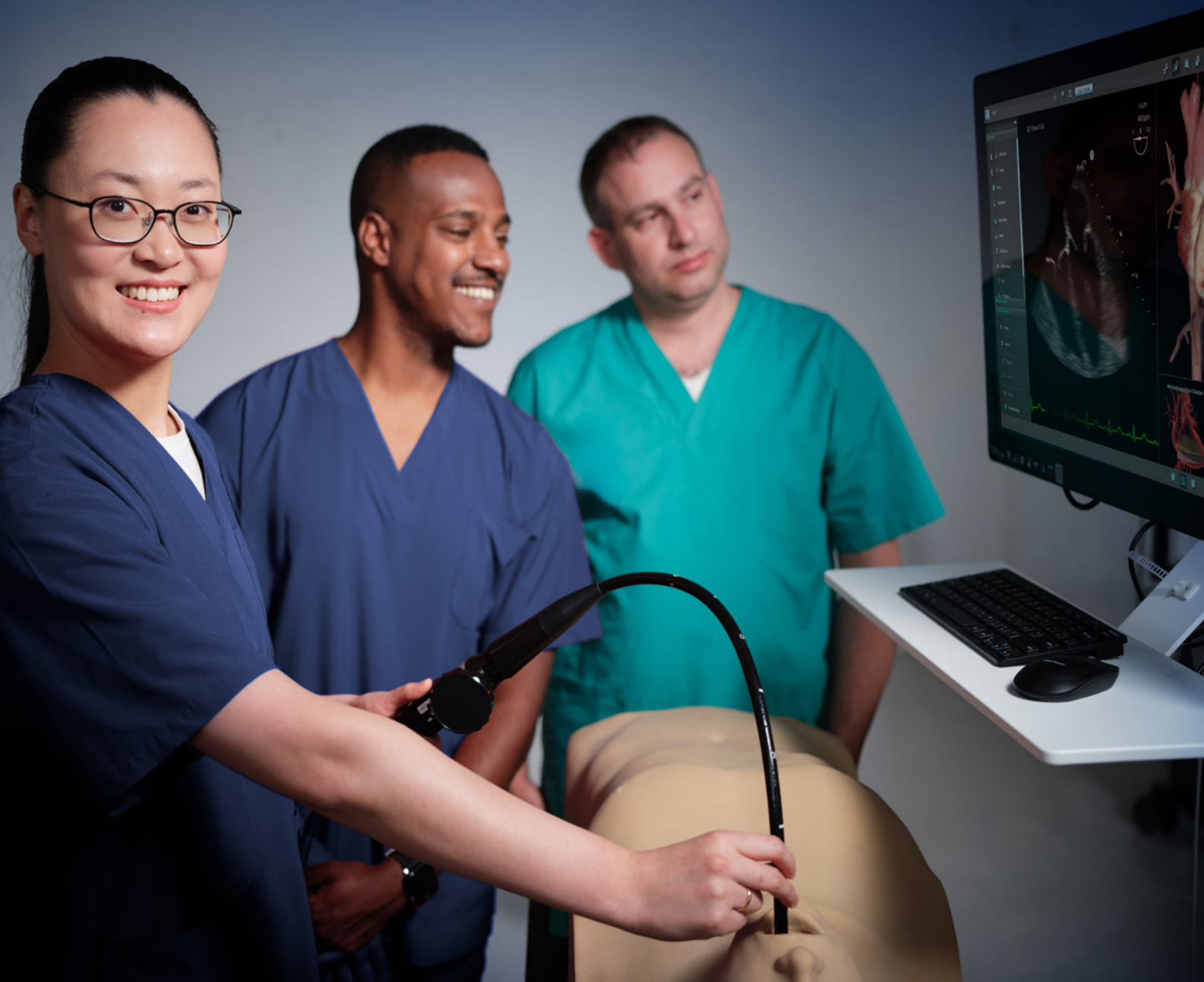surgical**science**

Ultrasound Mentor

IMPROVE PROFICIENCY AND PERFORMANCE
WITH VALIDATED SIMULATION TRAINING

One Platform for All Your Ultrasound Training Needs

Ultrasound Mentor is a modular, mixed-reality simulator for diagnostic and interventional ultrasonography training, designed to improve patient care by accelerating the trainee's learning curve and competence. Applications include point-of-care ultrasound (POCUS), echocardiography, OB/GYN, pediatric and ultrasound-guided interventions.

Why Ultrasound Mentor?

Cost-effective: One modular cross-specialty platform covering all applications.

Saves time: A user-friendly didactic environment offers educational aids and enables self-instructed learning.

Life-like simulation: Complex ultrasound image with realistic anatomies, physiology and pathologies.

Accessible training: A variety of common and rare pathologies and scenarios available anytime.

Performance tracking: Immediate assessment with actionable feedback.

Unique Features

- Enhance trainees' learning curve with the market's most extensive core skills modules.
- Create an unlimited library of cases with MyCase editor.
- Independently practice procedural tasks step-by-step through common scanning protocols.
- Friendly and intuitive user interface with probe positioning assistant and anatomical labels.

All-In-One Modular Ultrasound Training Solution

The Ultrasound Mentor enables seamless switching the anatomies and the training modules of your choice for training: POCUS, echocardiography, OB/GYN, pediatric and interventional ultrasound. Each anatomy features realistic, accurate landmarks that assist in probe positioning.
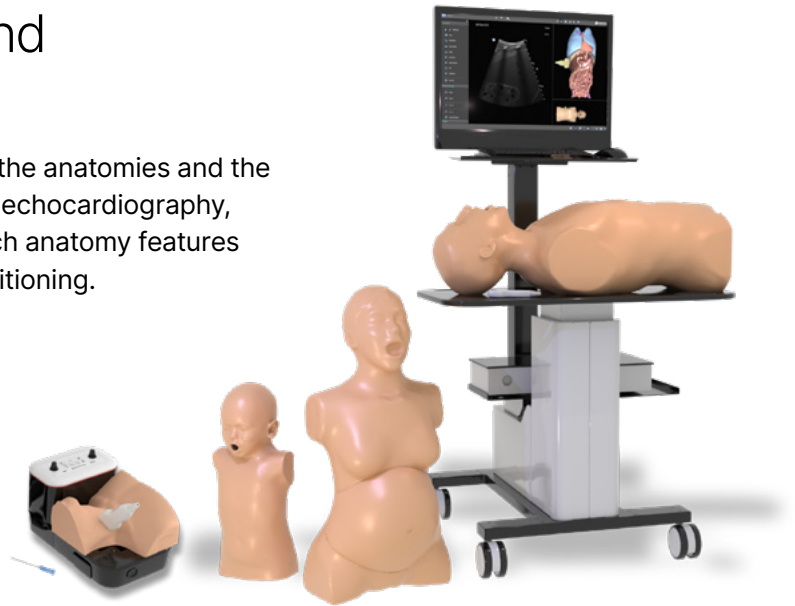
Male Anatomy

Practice core skills, echocardiography and POCUS examinations such as eFAST, neck and lung using diverse approaches: posterior, trans-abdominal, trans-thoracic, trans-esophageal and more.

Female Anatomy

Train on a complete OB/GYN curriculum: basic skills, OB 1st and 2nd trimester, fetal echo and neurosonography via TVS/TAS. Enhanced realism with moving fetus and 2nd trimester abdomen model.

Pediatric Anatomy

Practice unique pediatric pathologies in both upright and lying positions, including basic skills, POCUS, echocardiography, and a growing library of modules.
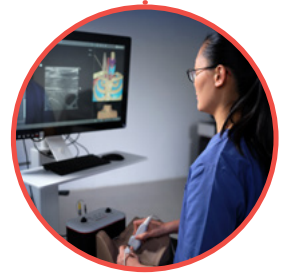
Interventional

Learn needling procedures such as central line, nerve block and more using a real needle, realistly simulating puncture and tissue/vessel compression on designated models.

Take it with you!

TEE Express

An easy to use, portable simulator practicing TEE (Transesophageal Echocardiography) examinations. Packed in a carry-on case, the system features a TEE probe introduced through a mouth-shaped opening.
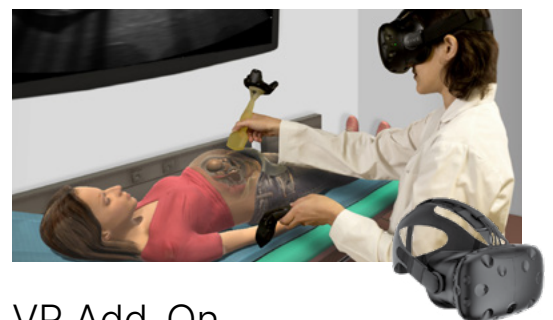
VR Add-On

Experience engaging immersive learning and easy understanding of probe positioning and orientation (available in specific modules).
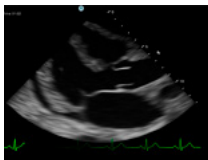
Ever-Expanding Library of Modules

Modules and clinical cases are continuously developed in collaboration with medical experts to serve the growing demand for ultrasound training in various clinical specialties.
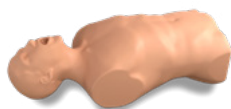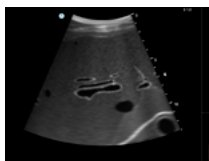
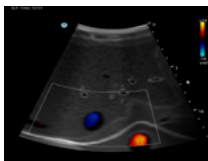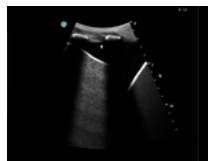## Male Anatomy
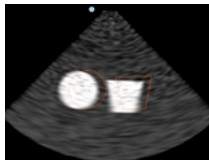
SONOGRAPHY BASIC SKILLS
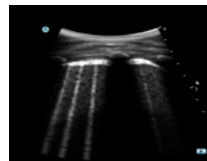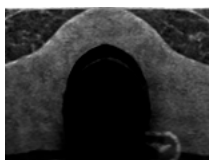
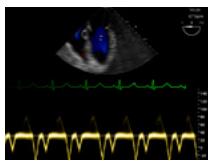BEDSIDE ECHOCARDIOGRAPHY

eFAST AND RUSH
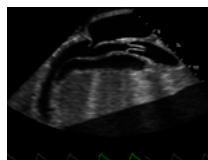
eFAST AND RUSH VR
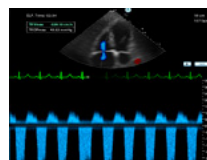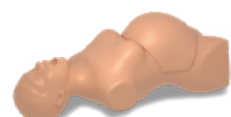
ABDOMINAL

ADVANCED ABDOMINAL

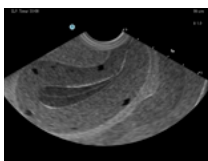LUNG

COVID-19

NECK

TEE

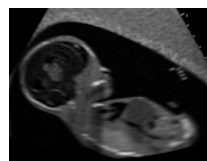TEE EMERGENCY
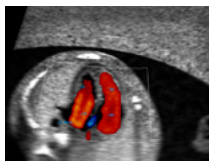
ADVANCED ECHO

Female Anatomy

SONOGRAPHY BASIC SKILLS
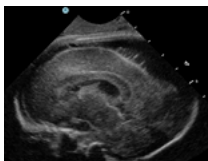
BASIC GYN

OBSTETRICS 1ST TRIMESTER

OBSTETRICS 2ND TRIMESTER

FETAL ECHO

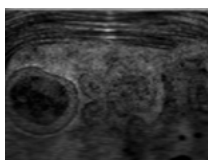FETAL NEUROSONOGRAPHY

BREAST

COMING SOON

OBSTETRICS 2ND TRIMESTER VR
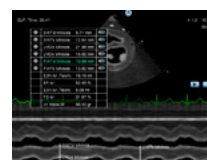
Pediatric Anatomy
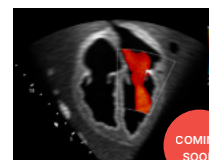
SONOGRAPHY BASIC SKILLS

PEDIATRIC ABDOMINAL

PEDIATRIC eFAST
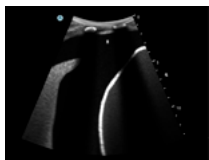
PEDIATRIC ADVANCED ECHO

PEDIATRIC BEDSIDE ECHO

COMING SOON

Interventional Ultrasound

THORACENTESIS
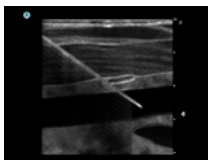
CENTRAL LINE

PERICARDIOCENTESIS
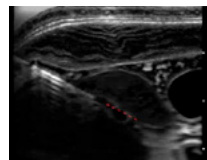
NERVE BLOCK

Create Endless Cases Tailored to Your Own Experience

Have you ever encountered an interesting patient scan and wished you were able to show it to your trainees? Ultrasound Mentor MyCase enables simple and intuitive creation of recorded patient cases for training.

Upload an OB/GYN or echocardiography scan generated using common ultrasound machines and practice on the Ultrasound Mentor simulator.

Ultrasound Mentor MyCase Editor

MyCase >

1 Scan

Expand the number of hands-on training cases.

> **2** Upload & Edit

Customize cases with patient history and findings.

> **3** Practice

Train and receive detailed performance assessment.
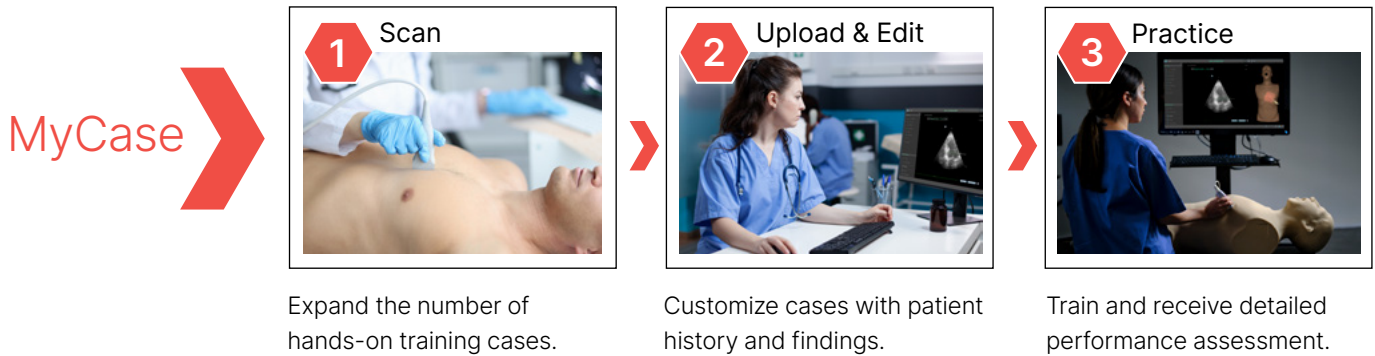
"**...I recommend it very strongly to train fellows in cardiology and cardiac anesthesiology to improve their TEE skills and practice performing comprehensive TEE procedures... allowing for incremental levels of comfort and expertise in being able to acquire the optimal images for accurate diagnosis.**"

Jyothy Puthumana, MD, FACC
Associate Professor, Division of Cardiology Feinberg
School of Medicine Northwestern University, Illinois

"*The fetal movement during the exam replicates real life scanning in a way that dramatically enhances the experience. The feedback given by the simulator helps learners to optimize their images before adding in the complexities of live patients, different body habitudes and time limitations of the clinical setting!*"

Terry C Harper, MD
Division Chief, Maternal Fetal Medicine,
Anschutz Medical Campus, University of Colorado

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