U/S Mentor™

3D SYSTEMS®
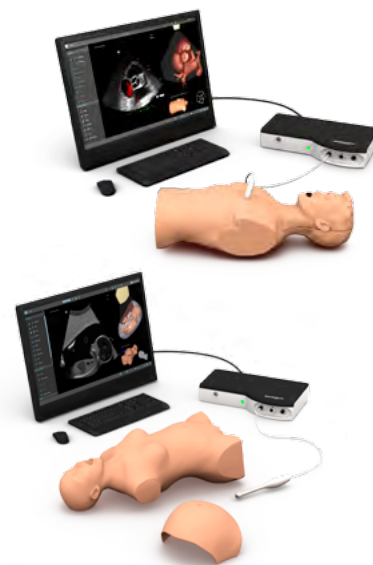
Simulator Platform and Features

- Portable platform for quick and easy setup.

- Modular, interchangeable training setup.

- Step-by-step tasks for self-learning of scanning protocols.

- True-to-life anatomies, physiology and pathologies.

- Customizable diagnostic difficulty level based on trainee's experience.

- Image controls and diagnostic tools freely available in all patient cases.

- Power, color and spectral Doppler modes.

- Procedure-restricted mode for unaided performance and testing.

- Documentation and clinical findings report enhance diagnostic sensibilities.

- Meaningful performance metrics for self-assessment and competence monitoring.
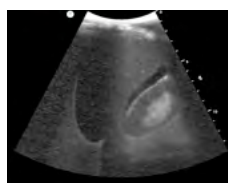

U/S Mentor Modules

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

SONOGRAPHY BASIC SKILLS

Develops psychomotor skills and basic sonography capabilities. Focuses on hand-eye coordination and ultrasound image control (knobology).
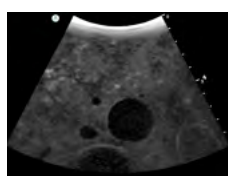

EFAST

Adult and pediatric trauma scenarios withfindings such as free fluid in the abdomen or thorax, pericardial effusion, pleural effusion and pneumothorax.
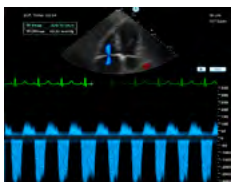

BEDSIDE ECHOCARDIOGRAPHY

Practice point of care standardviews acquisition, abnormalities diagnosis, hemodynamic assessment, documentation and clinical findings reporting.
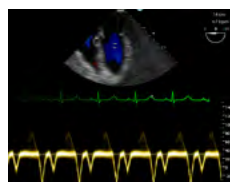

ABDOMINAL

Assessment of adult and pediatric virtual patients with pathologies such as AAA, liver mass, renal / gallbladder abnormalities and more.

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.
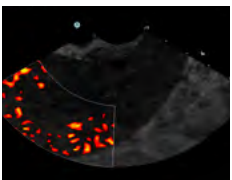
ADVANCED ECHO

Comprehensive cardiac evaluation of adult and pediatric cases. Includes advanced diagnostic tools and measurements for complete, in-depth, assessment.

TEE

Realistic training environment for TEE probe maneuvering to demonstrate standard views, evaluate anatomy and physiology, and diagnose diverse findings.
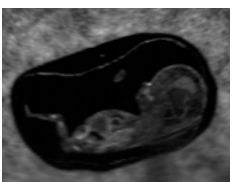
BASIC GYN – TRANSVAGINAL

Covers standard views acquisition, measurements, documentation and clinical findings diagnosis of normal, pathological and emergency cases.
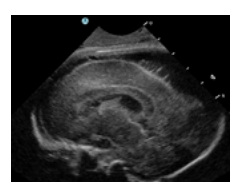
OBSTETRICS 2nd TRIMESTER

Structured assessment of varying fetuses with normal and abnormal findings including measurements, documentation, and clinical findings report.
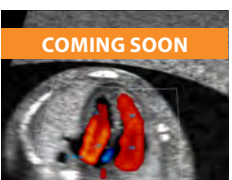
OBSTETRICS 1st TRIMESTER

TAS / TVS scanning for structured assessment to confirm and evaluate: viability, GA, multiple fetuses pregnancy, chromosomal anomaly and fetal gross anatomy.

FETAL NEUROSONOGRAPHY

Focused Clinical Scenarios
Practice advanced diagnosis based on real ultrasound imaging of normal and abnormal fetal brain or spinal scans at various gestational ages.

FETAL ECHO

COMING SOON

Learn and practice accurate prenatal diagnosis of normal or abnormal findings. Virtual patient cases feature diverse fetus positions and varied CHD conditions.

THORACIC ULTRASOUND

COMING SOON

Learn and practice Lung and pleural scanning with diverse lung artifacts and scanning protocols. Pathologies include: Pneumonia, Pneumothorax, Pulmonary edema and more.

The U/S Mentor is unique in that it combines Virtual Reality cases and Clinical Focused Scenarios featuring reconstructed ultrasound scans. The didactic strength and superior assessment of the first, together with the absolute realism of the second, enhance the learning curve.

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

"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. "

Dr. Jyothy Puthumana
Associate Professor of Medicine (Cardiology) MD FACC
Division of Cardiology, Department of Medicine
Feinberg School of Medicine, Northwestern University

MentorLearn Simulator Curricula Management System

3D SYSTEMS' MULTIDISCIPLINARY SIMULATORS EFFORTLESSLY INTEGRATE INTO YOUR PROGRAM CURRICULUM.

- Customizable curriculum incorporating training and didactics.

- Easy and efficient administration of simulator users.

- Online learning courses and video-based content.

- Proficiency based hands-on training.

- Performance reports with learning curve graphs.

- Recorded videos of the simulation sessions for debriefing.

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 to achieve better patient outcomes.

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