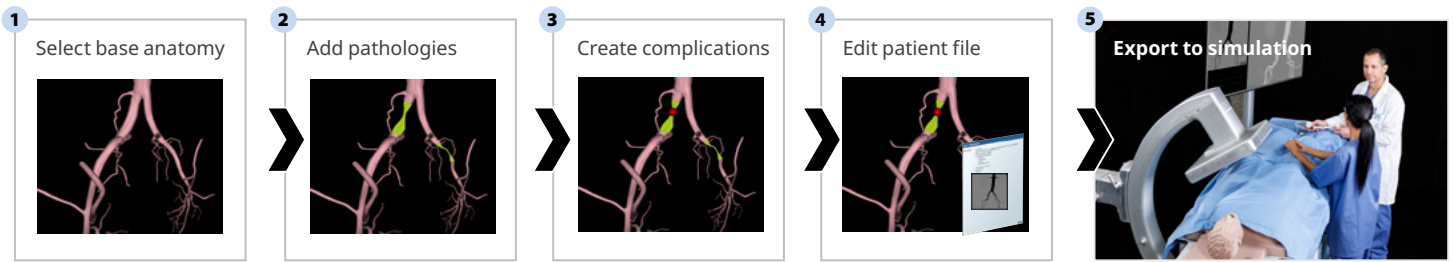# ANGIO Mentor®

Sanford-USD Surgical Residency and Cardiology Fellowship Programs

iCase

The first endovascular simulation case editor enables simple creation of new case scenarios for training.

1	2	3	4	5
Select base anatomy	Add pathologies	Create complications	Edit patient file	**Export to simulation**

PROcedure Rehearsal Studio™

This FDA cleared software allows clinicians to create patient-specific 3D digital models based on a patient's CT. Clinicians can plan and rehearse prior to performing the actual endovascular intervention on their patients.

CT Scan → 3D Model → 3D Printed Model / Simulation → Actual Procedure
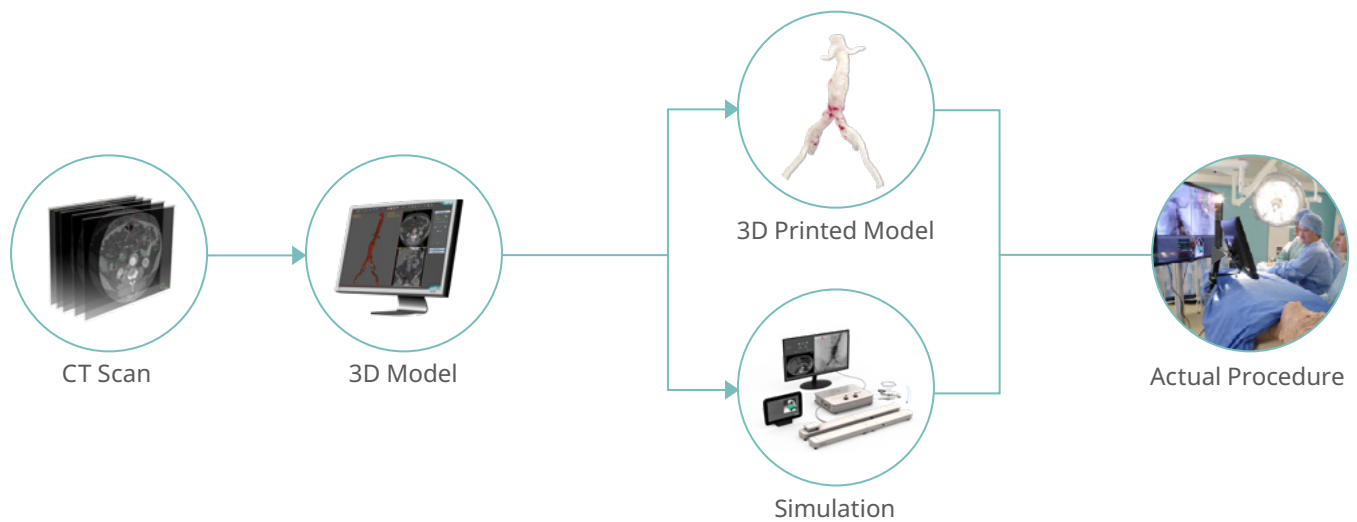
Request a demo or more information at **healthcare@3dsystems.com**

永達儀器

The ANGIO Mentor VR training simulator platforms provide a comprehensive, safe environment for multi-level hands-on practice of endovascular procedures and techniques performed in the cath lab, interventional suite or operating room.

Simulator Features

IMAGING

- Real time fluoroscopy, cineangiography, DSA and roadmapping
- Real Time Ultrasound (IVUS, ICE, TEE)
- Ability to connect to a real c-arm

DEVICE SIMULATION

- A wide selection of interventional devices
- Simulated deployment systems are based on actual devices
- Haptic feedback and realistic device behavior

PATIENT MANAGEMENT

- Responsive vital signs monitor
- Extensive medication panel
- Complex scenarios with real time complications

EDUCATIONAL FEATURES

- Comprehensive performance metrics
- Unique basic skills modules
- Self-guided tutorial cases and ready-made curricula
- A variety of educational features to establish anatomical and procedural knowledge

See the Invisible

A radiation awareness add-on application, which uses augmented reality (AR) to show real-time radiation scatter in the room. Clinical teams can safely practice simulated procedures while establishing the ALARA principles.
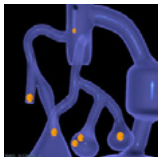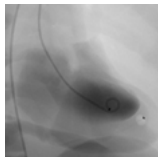

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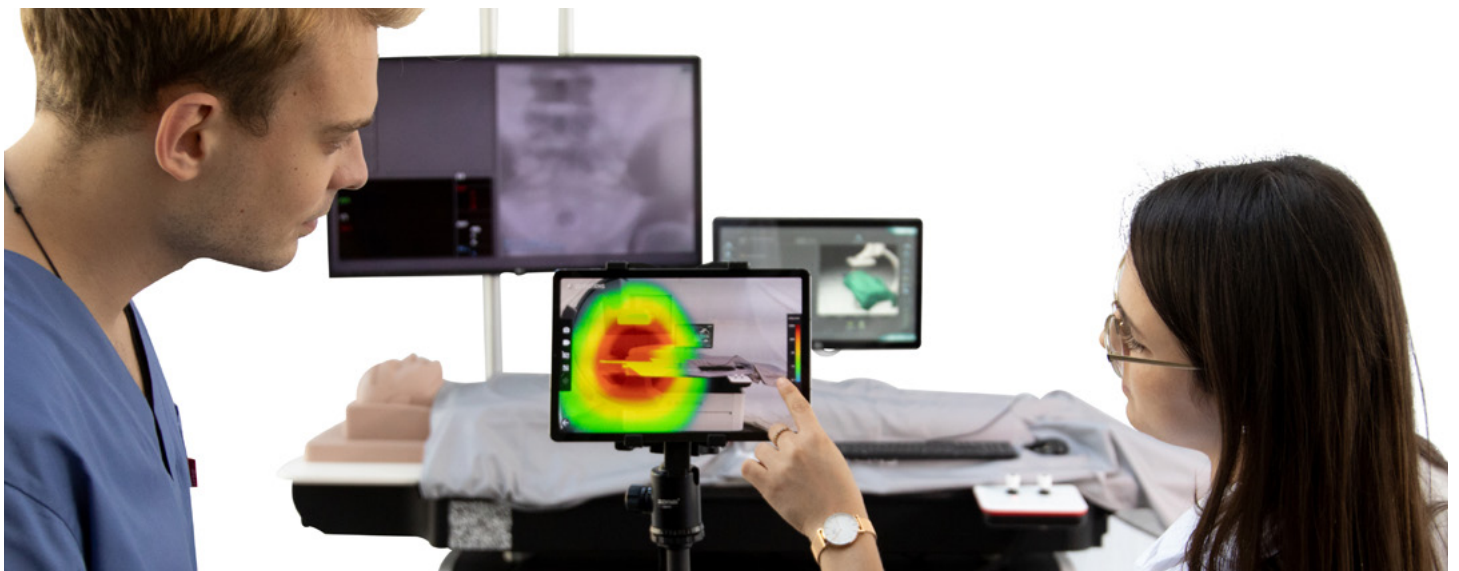
An ever expanding library of modules

Developed in collaboration with world leading physicians, the training modules support skills acquisition to build confidence and proficiency in a variety of endovascular techniques and procedures.
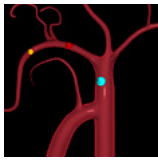
BASIC SKILLS
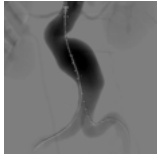
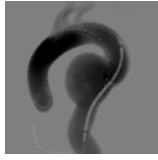Endovascular Basic Skills | EP Basic Skills | Cardio Basic Skills | C-arm Basic Skills | Bedside Cardiac ICU

AORTIC INTERVENTIONS

EVAR | TEVAR | Advanced TEVAR

PERIPHERAL INTERVENTIONS
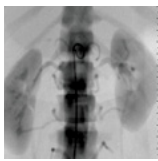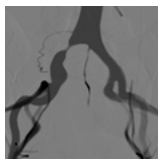
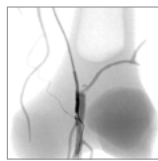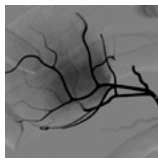Renal | Iliac | SFA | Atherectomy | Lower Extremities CTO | Below The Knee

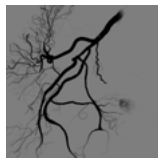Peripheral Embolization | Embolotherapy (HCC & UFE) | Trauma Management | Venous Intervention | Prostatic Artery Embolization
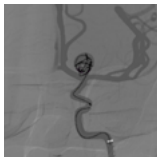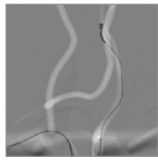
NEUROVASCULAR INTERVENTIONS

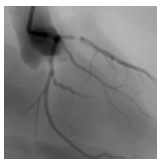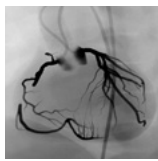Carotid | Cerebral | Acute Ischemic Stroke | Transradial Cerebral

CORONARY INTERVENTIONS

Coronary | Transradial Coronary | Coronary Bifurcation | Coronary CTO
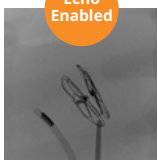
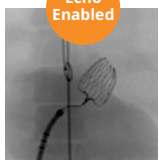**STRUCTURAL HEART DISEASES**

TAVI | ASD/PFO Closure (Echo Enabled) | LAA Closure (Echo Enabled)

ELECTROPHYSIOLOGY

Cardiac Rhythm Management | Transseptal Puncture (Echo Enabled) | AF Ablation (Echo Enabled) | ICE Trainer | EP Mapping
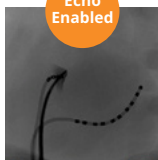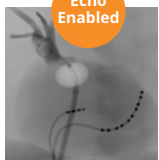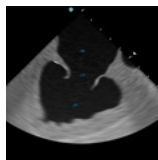
永達儀器
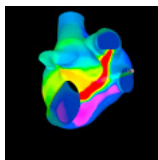
The ANGIO Mentor Family of Products

All simulator platforms are capable of running all ANGIO Mentor modules as well as PROcedure Rehearsal Studio software.
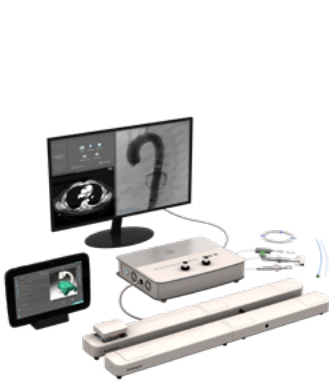
ANGIO Mentor Flex

IDEAL FOR REMOTE COURSES AND CONVENTIONS

- Compact, foldable and light
- Packed in a small case – within airline check-in weight restrictions
- Quick setup and easy operation using two touch monitors
- Easy maintenance with snap-in tracking stations
- Available in both single and dual access configurations

ANGIO Mentor Suite

IDEAL FOR TEAM TRAINING

- True-to-life Interventional Suite/Hybrid OR environment
- Actual C-arm and TEE probe integration
- Life-size patient mannequin with 5 access sites
- Adjustable table height and control panel position
- Radiation awareness training using "See the Invisible" AR application.

ANGIO Tab Pro

IDEAL FOR DEVICE DEMONSTRATION AND PROCEDURAL TRAINING

- Ultra-portable solution, packed in a carry-on suitcase
- Instant setup in less than a minute
- Runs complete procedural simulation using touchpad and keyboard
- Enables haptic feedback and deployment using an authentic handle

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16
Years of endovascular simulation experience

38+
Simulated endovascular procedures

300+
Training cases

17
Industry partners

C-arm and TEE integration enables realistic team training

Device demonstration using ANGIO Tab Pro

"We must train physicians that are currently performing old practices, on new devices and techniques. In addition, we needed a tool to train our residents and fellows without risking our patient. Now practicing on the ANGIO Mentor is a part of training in our vascular surgery department. All residents and fellows have a specific curriculum and they have to perform two hours per week of training and assessment in order to evaluate and improve their skills."

Prof. Nabil Chakfé
Head of Vascular Surgery and Renal Transplantation
Strasbourg University Hospital, France
President of GEPROVAS Association

"Simulation training on the ANGIO Mentor helps us to achieve better results. It allows us to repeat and learn well all procedural steps; knowing what to do reduces the number and complexity of complications. It brings us to the 'battlefield', allowing us to be ready and able to perform a safe and effective procedure."

Prof. Haim Danenberg
Director of Interventional Cardiology Heart Institute
Hadassah Hebrew Univ. Medical Center, Israel

MentorLearn Cloud

Ask how the MentorLearn Cloud simulator curricula management system can support your Simbionix 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 Simbionix simulator software is always the latest version available.

永達儀器

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