

Diagnostic and Surgical Skills in Angiography

AngioVision Surgical Simulator

www.mse-group.co



Real-feel surgical simulation



AngioVision

AngioVision is a surgical simulator for the acquisition and retainment of endovascular skills. It is suitable for radiology, cardiology and neuroradiology training programmes and presents users with real endovascular instruments and an extensive module library.

With its highly realistic and detailed anatomy, simulated physics, haptic feedback for tissue resistance, and radiocontrast agent spreading; users can master and perfect their endovascular skills in preparation for real surgical procedures.

AngioVision 3









- One-piece ergonomic stand
- Two mounted FullHD monitors for X-ray and CINE
- Real-time catheter tracing unit
- Intuitive and simple touch screen controls
- Adjustable stand height
- Mobile

AngioVision SMART

- Compact and portable for easy set-up at workshops and conferences
- Touch-sensitive FullHD monitor for all menu controls and high-quality visuals
- Real-time 3D tracking of all catheters
- Haptic feedback system for tissue resistance

AngioVision Standard

Device Simulation

- More than 30 virtual endovascular instruments
- Imitation of a real C-arm control panel
- Real-time tracking for movement and rotation

Virtual OR

- Suitable for radiology, cardiology and neuroradiology training
- DSA (Digital Subtraction Angiography)
- X-ray imaging in positive and negative with our 3D mode
- A set of virtual hints and guides and step-bystep instructions

Educational Features

- Individual user profiles
- Detailed log of all actions performed
- Course of basic skills training
- C-arm operation training
- Work with real endovascular instruments
- Work with a wide range of virtual instruments
- Customisable training courses
- Extensive educational content
- Standardise, structure and complement hands-on skills training



Library of Modules

Balloon angioplasty and stenting









Carotid Stenting

Renal Stenting

Cerebral

Stenting

Coronary Stenting

lliac Stenting SFA Stenting

Below-theknee Stenting

Intracranial Interventions





Intracranial Aneurysm Embolization

Basic Course

Ischemic Stroke

Endovascular Aneurysm



Repair





Catheter Training

Guidewire Training

Coronary

Advanced Coronary Stenting



Realistic X-Ray

- During the fluoroscopy, the X-ray image reflects the corresponding changes in the current projection of the C-arm and the patient position
- · Heartbeat and breathing affect the displayed image
- Realistic contrast spreading depending on the catheter position
- The intensity of the fluoroscopic image corresponds to the volume of the introduced contrast agent, speed of injection and time interval from the moment of injection

Access Points

- Three access points (right radial, right femoral, left femoral)
- Simultaneous work with multiple access points
- Change the access point during the intervention

Library of instruments

- In each exercise, several endovascular instruments can be used during the procedure.
- The software does not limit the choice of instrument within the procedure.
- More than 30 instrument types are available in the virtual library.
- During the simulation of endovascular procedures, realistic endovascular instruments such as catheters and guidewire are used as their real counterparts.

Uterine Fibroid Embolization





Projections

Thoracic Endovascular Aneurysm

Repair

Aortic Aneurysm Repair

AngioVision 7







Have you seen our patient simulators?





Leonardo

Leonardo supports for high-quality simulation training in basic to advanced medical procedures, clinical team development and patient case management. He enables learners to fully immerse and challenge themselves as they put their individual and team skills to the test in time-critical emergency scenarios.

Mia

Mia is a state-of-the-art newborn simulator designed to meet the challenges of specialist training in neonatal care. From basic assessment to critical thinking skills in emergency scenarios, Mia will enable profound learning experiences for transference to real to clinical practice.



Arthur

Arthur has been designed to support those working in child health to effectively communicate, assess, diagnose and treat young patients in a diverse range of critical scenarios and in a variety of clinical settings.

For further information about any of our products within our range of patient and surgical simulators, please contact us at **hello@mse-group.co**

MedVision is a global company committed to the advancement of quality education in healthcare through its range of patient and surgical simulators. The MSE Group is the exclusive partner of MedVision in Europe.



