AngioVision

Surgical Simulator

Diagnostic and Surgical
Skills in Angiography

MedVision

www.medvisiongroup.com

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.


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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-by-step 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

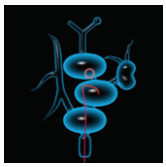
- One-piece ergonomic stand
- Two mounted Full HD monitors for X-ray and CINE
- Real-time catheter tracing unit
- Intuitive and simple touch screen controls
- Adjustable stand height
- Mobile

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

Library of Modules

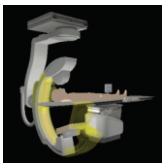
Basic Course



Catheter Training

Guidewire Training

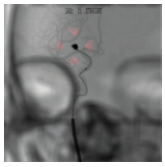
Embolization Coils Training



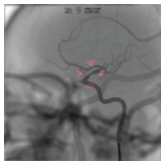
Angiographic Projections

Coronary Projections

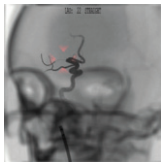
Intracranial Interventions



Intracranial Aneurysm Embolization



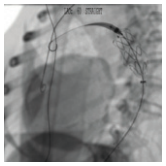
Cerebral Stenting



Ischemic Stroke

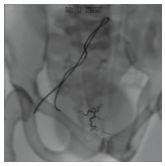
Aortic Aneurysm Repair

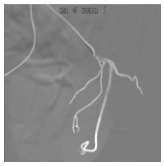
Endovascular Aneurysm Repair



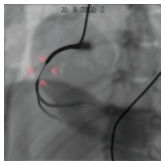
Thoracic Endovascular Aneurysm Repair

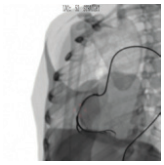
Uterine Fibroid Embolization



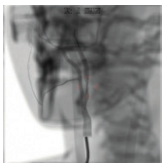


Advanced Coronary Stenting

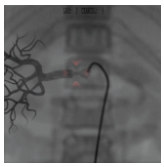




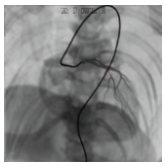
Balloon angioplasty and stenting



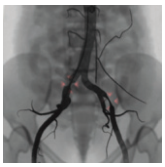
Carotid Stenting



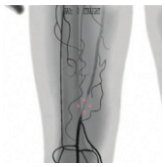
Renal Stenting



Coronary Stenting



Iliac Stenting

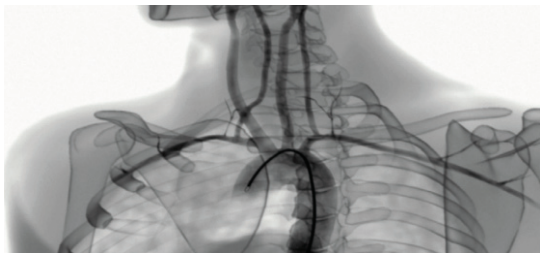


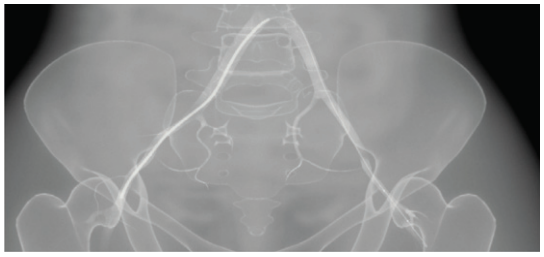
SFA Stenting

Below-the-knee Stenting

Realistic X-Ray

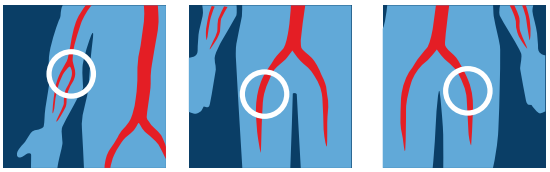
- During the fluoroscopy, the X-ray image reflects the corresponding changes in the current projection of the C-arm and the patient position
- Heartbeat and breathing affect the displayed image
- Realistic contrast spreading depending on the catheter position
- The intensity of the fluoroscopic image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





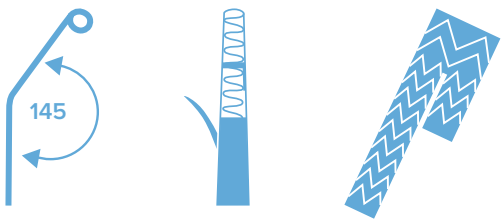
Access Points

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

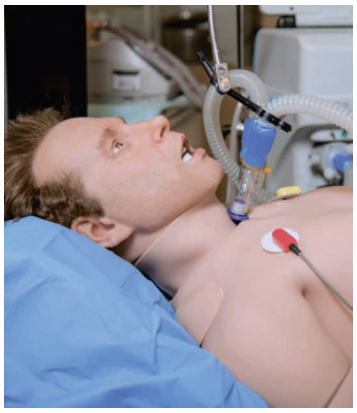


Library of instruments

- 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.



Have you seen our patient simulators?



Leonardo

Mia

Arthur

MedVision is a global company committed to the advancement of quality education in healthcare through simulation. Innovative design and cutting-edge technologies define its range of adult, pediatric, neonatal and surgical simulators.

For further information about any of our products, please contact your local regional representative.

Sales Enquiries:

Global, Japan
+81 (045) 716-6497
muneo.ogata@medvision.jp

Europe
+43 (664) 453-5931
hello@mse-group.co

USA
+1 (407) 840-8781
sales@medvisiongroup.com

Middle East, Africa
mail@medvisiongroup.com