VIST®

EndoVascular Aortic Repair (EVAR)

Procedural Training Module with VIST® Case-It Technology

Mentice EndoVascular Aortic Repair (EVAR) module is designed for physicians and medical professionals involved in learning endovascular management of Abdominal Aortic Aneurysm (AAA). The module facilitates training of this high-risk procedure, in a learner focused and risk-free environment on a simulator in order to gain a thorough understanding of the prerequisites for AAA treatment. The Mentice EVAR module is best used in workshops allowing a superior comprehension and application of technical tips, sizing and planning of the procedure.

Educational Context and Skills

The EVAR module assumes that the user is familiar with preoperative CT imaging and has prior interventional experience. The module provides essential procedural and technical skills training. It features 8 cases ranging from basic, easy cases to more complex cases with anatomic variations such as highly angulated necks and aorto-iliac aneurysms. Original CT-Data, from which the cases have been modeled, are available with the module allowing segmentation and planning on a workstation of your choice.

The EVAR module provides a platform for:

- Real life planning, on your workstation
- Training the EVAR procedure in a stepwise approach
- Managing and minimizing radiation dose exposure
- Acquisition of pertinent technical and manipulation skills
- Review, validation and amendment of the procedure plan

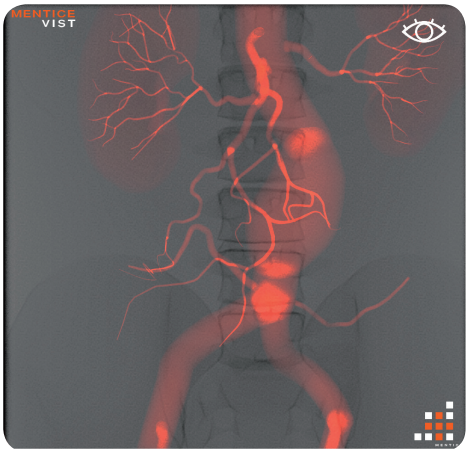
Deliver accurate hands-on skills training of:

- Embolization of internal iliac with vascular plugs or coils
- Graft placement in relation to branch vessels
- Controlled advancement of graft system into the aorta
- Careful and appropriate deployment of graft
- Cannulation of contra lateral leg
- Completion of post treatment angiogram to assess outcome
- Management of endoleaks

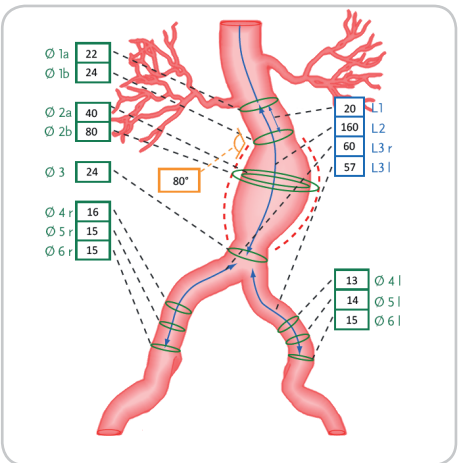
Functionality and Features

- Excellent DSA and Roadmap performance
- Supports dual entries with real tools (Using two VIST-C devices)
- Shutters for realistic radiation dose management
- Improved device panel - shows of up to six devices simultaneously
- Comprehensive metrics reports for assessment and debriefing
- Realistic device behavior requiring appropriate device selection

Main part of stent graft under deployment



Augmented training - 3D overlay mode



Teach planning, using the original CT-Data

MENTICE

Features

- **Dual VIST®-C Support**
  The EVAR module utilizes simulated right and left femoral approach
- **Detailed patient scenarios**
  Demographics, clinical presentation, medical history, current medications, lab values, non-invasive tests and baseline vitals
- **Full C-arm and table manipulation**
  LAO/RAO & CRA/CAU angulations, image intensifier control, table height adjustment, magnification, brightness
- **Imaging modalities**
  DSA, Roadmap, Positive X-ray, negative X-ray and 3D mode (unique to simulation)
- **Radiation control**
  Shutters and Frames per second settings
- **Projection controls**
  3 pre-set standard projections, possible to save user preferred projections for later use in training case
- **Introducer sheath**
  Possibility to select introducer sheath size
- **Contrast injections**
  Manual syringe injection, power injector
- **Series**
  - DSA & cine recording, playback, ability to return the C-arm to previous projections
  - Measurement: easy to use vessel and lesion measurement system
  - Device status panel showing selected and active devices
- **Vital signs - dynamic information**
  Provides accurate calculations of haemodynamic and EP data obtained during catheterization
  - 12-lead ECG, ability to select any 3 for dynamic display
  - Blood pressure, heart rate, respiratory rate, oxygen saturation displayed
- "Fluoro & Vitals" screen
  - Realistic fluoroscopic image
  - Status bar with case statistics
  - Vital signs always visible
  - X-ray reference image of patient positioning
  - Device status panel showing selected and active devices

Inventory

- .035" standard and hydrophilic guide wires
- .035" Super stiff wires
- Full range of top-cap based maingrafts
- Full range of contralateral legs
- Low pressure balloons

Simulation

- 8 staged EVAR cases to provide a range of relevant training
- Anatomically accurate simulation
- Realistic device behaviour
- Simulation of six simultaneous devices

VIST® - Family of Simulation Solutions

provides a relevant, realistic teaching and learning environment for hands-on training of angiographic and interventional skills.

VIST® Simulator Systems

The VIST® and the VIST®-C systems share unique advantages in terms of highest fidelity, clinical realism and use of actual clinical devices.

VIST® Lab is compatible with both VIST® and VIST®-C systems.

VIST®-C is a fully portable high-fidelity simulator.

VIST® Training Modules

A structured and comprehensive suite of modules with clearly defined learning objectives, giving trainees exposure to a wide range of patient scenarios and anatomical variations.

Neuro Intervention

Carotid Intervention

Coronary Angiography

Coronary PRO

Transseptal Puncture

Cardiac Rhythm Management

EndoVascular Aortic Repair

Peripheral Angiography

Renal Intervention

Uterine Artery Embolization

Iliac/SFA Intervention

BTK Intervention

MENTICE is a global medical simulation company founded in 1999 with headquarters in Gothenburg, Sweden. The company pioneered virtual reality for medical training and is today the global leader in endovascular simulation.

Contact us to learn more about simulation and how it can benefit your training efforts:
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