

# Thoracic Endovascular Aortic Repair

## Procedural Training Module

- ✦ *Mentice Thoracic Endovascular Aortic Repair (TEVAR) is designed for physicians and medical professionals engaged in endovascular management of Thoracic Aortic Aneurysms (TAAs). Training of this advanced procedure on a simulator builds a thorough understanding of hands-on TAA treatment. The Mentice TEVAR module comes with an accompanying CT data set for complementary training of technical aspects, sizing and planning of the procedure. The module supports VIST® Case-It, which allows end users to import real cases from anonymous DICOM data. Thus an up-to-date and unique comprehensive training library can be built directly from the hospital's own practice.*



This module assumes that the user is familiar with preoperative CT imaging and has prior interventional experience. Mentice TEVAR provides essential procedural and technical skills training, featuring challenges such as difficult proximal and distal landing zones in the aorta. Endoleaks after implantation that need to be treated are supported by the module. Accurate measurement and feedback on graft positioning, in combination with tactile feedback, advances the trainee's understanding of correct deployment technique. By importing real life hospital cases from CTA or MRA, training possibilities are virtually endless and scenarios can be added and adapted to fit custom training objectives. Together with a VIST®-C extension, the module can be run with bifemoral access to further enhance training realism.

### *An ideal platform for:*

- Teaching patient selection and pre-op planning
- Training the TEVAR procedure in a stepwise approach
- Managing and minimizing radiation dose exposure
- Training of required technical and manipulation skills
- Review, validation and amendment of the procedure plan



### *Thoracic Endovascular Aortic Repair*

Designed for training endovascular management of Thoracic Aortic Aneurysms in a risk-free environment.



## Functionality & Features

- Cases are delivered with corresponding CT data for planning and sizing purposes
- Tactile feedback and use of up to 24F deployment systems
- Interactive hemodynamics and vital signs
- Measurement and metrics on deployed endostent positions
- VIST® Case-It support enables rapid and easy import of the user's own cases
- Together with a VIST®-C extension, bifemoral access for added realism

## Procedural training objectives

- Planning and sizing for different stent graft systems
- Controlled advancement of graft system into the aorta
- Graft placement in relation to branch vessels
- Blood pressure control during deployment
- Careful and appropriate deployment of the devices
- Dealing with short landing zones
- Embolization of left subclavian artery with coils or plugs
- Completion of post treatment angiogram to assess outcome
- Avoiding and managing endoleaks

### VIST® -Lab



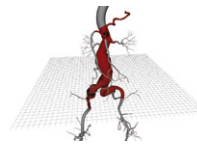
Our stationary and flexible simulation platform. The optimal solution for realistic work flow and team training.

### VIST® -C



A portable high-fidelity simulator. Robust and intuitive to set up and use, small foot print - possible to check in on flights.

### VIST® Case-It



Import patient specific anatomies, stitch them onto a template to create a full patient anatomy for procedural training.

### Validation



- ✓ Face and content validity
- ✓ Construct validity
- ✓ Training potential
- ✓ Transfer of training

## 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.



MENTICE was founded in 1999 and pioneered virtual reality for medical training. Today Mentice is the global leader in medical vascular simulation with its headquarter in Gothenburg, Sweden, and more than 600 vascular simulator installations all over the world.



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