THORACIC ENDOVASCULAR AORTIC REPAIR

HANDS-ON TRAINING FOR THORACIC STENT GRAFTING

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.

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® G5 extension, the module can be run with bifemoral access to further enhance training realism.

KEY TRAINING OBJECTIVES

- Learn to plan and size different stent graft systems
- Perform a controlled advancement of graft system into the aorta
- Correctly place graft in relation to branch vessels
- Efficiently work with radiation exposure to patient and operator
- Control blood pressure during graft deployment
- Carefully and appropriately deploy devices
- Handle short landing zones
- Perform post treatment angiogram to assess outcome
- Avoid and manage endoleaks

KEY BENEFITS

- 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
FEATURES AND FUNCTIONALITIES

- Bifemoral access (with optional VIST® G5 extension)
- Support for VIST® Handle 1 wireless generic handle
- Real delivery systems can be used (up to 24F)
- Cases are delivered with corresponding CT data for planning and sizing purposes
- Treatment of aortic dissections, thoracic aortic injuries (TAI) and ruptured aneurysms (rTAA)
- DSA, roadmap and shutters for dose management
- Interactive hemodynamics and vital signs
- 3D-overlay for enhanced visualization and understanding
- Comprehensive metrics for assessment and debriefing
- VIST® Case-It support enables rapid and easy import of the user’s own cases from CT data

THIS TRAINING MODULE IS DESIGNED FOR

- Vascular surgeons
- Interventional cardiologists
- Interventional radiologists

RELATED MODULES

- Endovascular aortic repair

CASE LAYOUT

- Total of 6 cases covering ruptured aneurysms, dissections and aortic injuries

For case descriptions please contact us.

For more information, please visit mentice.com/thoracic-endovascular-aortic-repair or email info@mentice.com