

Uterine Artery Embolization 8

Procedural Training Module

Mentice Uterine Artery Embolization (UAE) Training Module is designed for physicians and medical professionals to learn embolization with particles and the procedural steps used to embolize a myoma. The module provides the essentials for training particle based embolization and the technique associated with gaining access to the uterine arteries, in a learner-focused, risk-free training environment.

Educational Context and Skills

UAE has in recent years emerged as a preferred alternative to treat utrine fibroids for a large number of patients. This UAE training module offers the opportunity to master the procedural steps, the use of clinical devices, the application of embolic particles while managing the risks associated with performing the procedure.

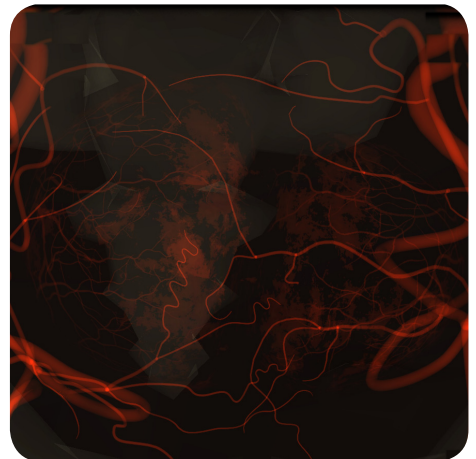
- Procedure planning based on patient scenarios
- Introduction to clinical devices used in UAE
- Select appropriate PVA particles
- Acquisition of pertinent technical skills
- Rehearse the procedural steps of UAE
- Becoming familiar with the Pelvic vasculature and specifically the arteries leading to the uterus
- Learning how to safely position a diagnostic catheter or micro catheter prior to embolization
- Manipulate catheters to treat bilateral myomas
- Learn to embolize a myoma and observe key success factors for optimal embolization

Functionality and Features

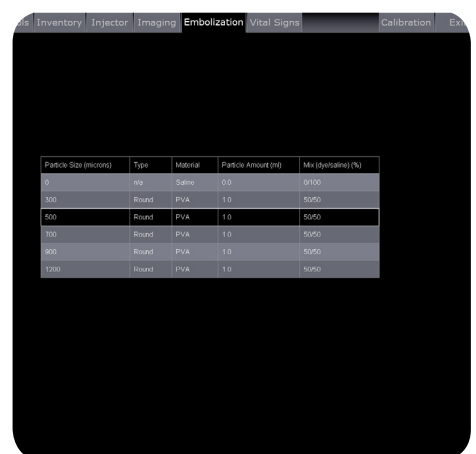
- Easy to use and intuitive user interface
- Clinical scenarios ensuring structured patient oriented learning
- Detailed metrics for assessments and debriefing
- Vital signs responsive to catheter manipulation and placement
- Realistic device behavior requiring appropriate device selection
- PVA particles available for embolization



Myoma visualized with contrast and fluoroscopy



3D view of the arteries supplying the myoma with blood



Selection of embolic particles

Features

- Detailed patient scenarios
Demographics, clinical presentation, medical history, current medications, lab values, non invasive tests and base line vitals
- Full C-arm and table manipulation
LAO/RAO & CRA/CAU angulations, image intensifier control, table height adjustment, magnification, brightness
- Imaging modalities
Positive X-ray, negative X-ray and 3D mode (unique to simulation)
- Projection controls
3 pre-set standard projections, possible to save user preferred projections for later use in training case
- Puncture site
Option to select right or left femoral arteries
- Introducer sheath
Possibility to select introducer sheath size
- Contrast injections
- Manual syringe injection
- Power injector with user definable volume and injection rate
- Imaging
- Series: cine recording, playback, acquisition of landmarks, ability to return the C-arm to previous projections and blending of landmarks
- Measurement: easy to use vessel and lesion measurement system
- Vital signs - dynamic information
Provides accurate calculations of haemodynamic data obtained during catheterization
- Catheter based aortic (AO) pressure
- Blood pressure, heart rate, respiratory rate, oxygen saturation displayed

- Embolization
Range of PVA particle sizes
- "Fluoro & Vitals" screen
- Realistic fluoroscopic image
- Status bar with key case statistics
- Vital signs always visible
- X-ray reference image of patient positioning
- Device status panel showing selected and active devices

Inventory

- Range of selective 4F & 5F catheters including Contra, Cobra, Hook, SOS, Sidewinder
- Flush catheters
- Roberts curve catheters
- Micro catheters
- Range of standard and hydrophilic wires

Simulation

- Embolization
-PVA particles for embolization
-Blockage of arteries due to embolization
-Blushing of myoma
-Backflow sensitive to embolization level and injection speed
- Anatomically and haemodynamically accurate simulation
- Realistic device behavior
- Fully integrated vital signs
Including normal and damping traces, all responsive to catheter manipulation and placement

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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