**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 uterine 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
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 adjust-
  ment, 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 catheteri-
  zation
  - Catheter based aortic (AO) pressure
  - Blood pressure, heart rate, respiratory rate, oxygen saturation displayed

Emboliization

- Range of PVA particle sizes
- “Fluoro & Vitalts” 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, S0S, Sidewinder
- Flush catheters
- Roberts curve catheters
- Micro catheters
- Range of standard and hydrophilic wires

Simulation

- Emboliization
  - 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 inter-
ventional 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® 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 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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