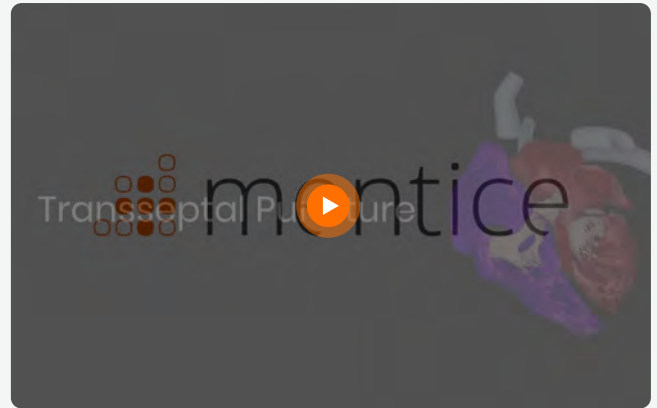


# Transeptal Puncture

Realistic and comprehensive training of the transeptal puncture

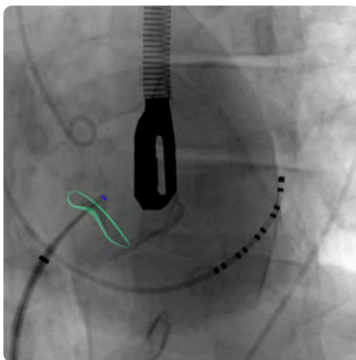
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This learning module is designed for:

Electrophysiologists

Interventional cardiologists

Structural Heart Cardiologists



Transeptal puncture is a technique used by electrophysiologists and interventional cardiologists to gain access to the left atrium through the fossa ovalis to treat various cardiac conditions. This procedural learning module complements fluoroscopy with ultrasound imaging modalities, such as intra-cardiac echo (ICE) and transesophageal echocardiography (TEE), to help improve the safety and success rate of the procedure. The software offers augmented visualizations to assist in the learning process and improve understanding of anatomy, ensuring safe and precise puncture.

Mentice clinical modules offer a realistic and risk-free environment for physicians to develop and build their technical, procedural, and cognitive skills. E-learning materials are combined with practical exercises using real devices and haptic feedback to deliver a complete and immersive solution.

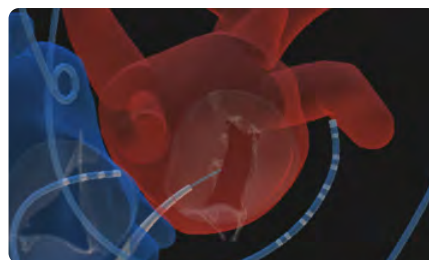
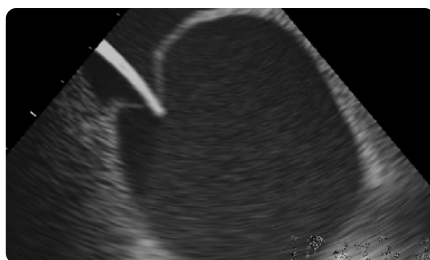
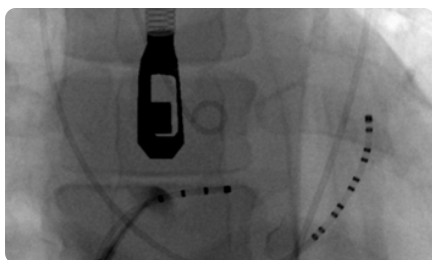
## Features & Benefits

### Features & Functionalities

- Learn how to puncture the fossa in optimal positions for different procedures, such as mitral valve interventions, LAAO or pulmonary vein isolation
- Visualize and confidently evaluate the risks and benefits of finding the optimal location for puncture placement
- Built-in guidance reduces the need for proctoring and helps optimize the use of both Fluoroscopy and Echo during Transeptal Puncture
- Visual aids such as labeled anatomical structures and 3D visualizations shorten the learning curve and improve understanding of the procedure and underlying anatomy
- Train as a team with an echocardiographer or individually using preset echo views for ICE and TEE
  - Includes auto-tracking of devices in Echo to further help workflow
  - Practice using 2D, Biplane, and MPR functionalities
- Detailed metrics and benchmarking tools allow users to track progress to help optimize training and identify improvement areas
- Built-in complications and warnings show the importance of careful device manipulation
- Ability to run each case with or without assistance to help with retention and identifying knowledge gaps

### Training Objectives

- Acquire practical knowledge by working in an environment that closely replicates the actual procedure
- Learn how to puncture the fossa in the optimal positions for different procedures
- Confidently learn how to puncture fibrotic and aneurysmal fossa ovalis safely.
- Perfect your workflow utilizing alternative imaging modalities to ensure safe and precise punctures
- Improve how you work as a team with your echocardiographer, or how to manage without one
- Understand the advantages and disadvantages of various puncture locations.
- Deepen your understanding of the anatomy of the left & right atrium
- Accurately identify important anatomical landmarks
- Utilize needle pressure to confirm location
- Identify inadvertent aortic puncture or tamponade
- Learn when to administer heparin to prevent clot formation
- Safely gain access to the left atrium or pulmonary veins
- Make mistakes (while there are no real consequences)



For case description, please contact us [here](#)

## Related Products

### Learning Modules

Left Atrial Appendage Occlusion (LAAO)

