ATRIAL SEPTAL DEFECT AND PATENT FORAMEN OVALE OCCLUSION

HANDS-ON TRAINING FOR CLOSURE OF STRUCTURAL HEART DEFECTS

ASD and PFO occlusion is designed for electrophysiologists, interventional cardiologists and cardiac surgeons who wish to improve their own or their team’s understanding of the fundamental steps and critical learning points for Atrial Septal Defect and Patent Foramen Ovale occlusion. The module allows for safe and effective training of either individuals or multi-disciplinary teams.

This module assumes familiarity with echocardiography and expert knowledge of the atrial anatomy. Transesophageal echocardiography (TEE) or intra-cardiac echocardiography (ICE) with live Doppler visualization is available during the whole procedure. Mentice ASD/PFO occlusion allows for training on catheterization and examination of the left atrium, septum and defect pathology assessment, secure deployment of an appropriate occluder and assessment of the device configuration after deployment. Training on a variation of pathologies and adverse events is carried out in a safe environment, which prepares the operator for real procedures in the operating room.

KEY TRAINING OBJECTIVES

- Examine the ASD or PFO using ICE or TEE and understand the various views to assess the pathology in a correct way
- Properly catheterize the left atrium across the defect or PFO, using echo and fluoroscopy as guidance
- Assess of the ASD or PFO using a sizing balloon and stop-flow technique for proper device selection
- Demonstrate proper device deployment using fluoroscopy, ICE and TEE
- Master device deployment in a variety of pathologies, e.g. avoid device prolapse in defects when the aortic rims are small
- Recognize the signs of successful occluder deployment

KEY BENEFITS

- Learn about patient selection and pre-operative planning
- Understand the fundamentals of ICE and TEE
- Train occluding a variety of different ASDs and PFO pathologies
- Prepares for challenging cases and teaches how to avoid complications
FEATURES AND FUNCTIONALITIES

- Variety of ASD pathologies including multifenestrated ASD and minimal rims
- Selection of PFO pathologies including thick secundum and aneurysmatic septum
- Echocardiography (ICE and TEE) for all steps in the procedure
- Integrated Doppler flow visualization throughout the procedure
- Measurement capabilities, allowing assessment of the ASD or PFO using fluoroscopy as well as echocardiography
- Realistic device and anatomy appearance
- Drug administration
- Complication training
- Live metrics for instant feedback

THIS TRAINING MODULE IS DESIGNED FOR

- Interventional cardiologists

RELATED MODULES

- Left atrial appendage occlusion

CASE LAYOUT

- 3 Atrial septal defect cases
- 2 Patent foramen ovale cases

For case descriptions please contact us.

For more information, please visit mentice.com/asd-pfo-occlusion
Or email info@mentice.com