

EP Essentials

Rehearse key EP workflows in a risk-free environment

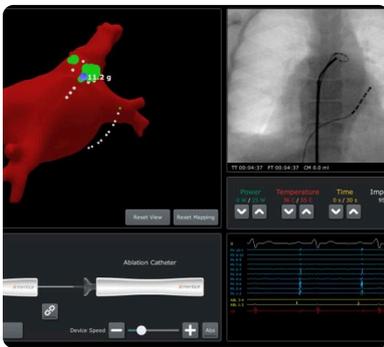
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This learning module is designed for:

Interventional cardiologists

Fellows in Interventional cardiology



Mentice EP Essentials module is designed for electrophysiology fellows who wish to train on left atrial mapping and pulmonary vein isolation for the treatment of Atrial Fibrillation. With over 1.7 million ablation procedures performed each year and atrial fibrillation affecting over 40 million people worldwide, the demand for scalable and accessible training has never been greater. This module enables EP fellows to rehearse key workflows in a risk-free environment – offering hands-on experience to accelerate skill development and confidence.

The user will be able to learn how to interpret EGM signals with real-time location-based feedback, develop device coordination and practice mapping and ablation to build confidence before taking the step into cathlab and real patient. The platform is fully scalable and easily adaptable to integrate market-specific devices, supporting dedicated training and accelerating device adoption.

Features & Benefits

Key Benefits

Practice EP workflows in a safe, risk-free environment

Interpret EGM signals with real-time, location-based feedback

Scale training fidelity and portability to any setting

Develop coordination using multiple steerable devices

Build confidence in left atrial mapping and PVI procedures

Customize the platform easily for tools and workflows

Features & Functionalities

- Advanced visualization support, including a “generic mapping system”, augmented visualizations of target area pulmonary sleeves and fluoroscopy.
- Interactive emulated devices to simulate deflectable movement of sheath, mapping and ablation catheter.
- Interactive EGM and ECG signals.
- Streamlined workflow with the ability to fast-forward procedural steps for focused training.
- Run as a single-screen solution without haptics for lightweight demonstrations, or scale up to a dual-screen, full-system simulation for immersive training.

Training Objectives

- Navigation inside the left atrium, using a combination of steerable catheters.
- Learn to generate a complete geometrical model of the left atrium.
- Ablation around the pulmonary veins to electrically isolate the veins from the left atrium
- Signal interpretation and assessment of successful ablation.

Case Layout

Covers one Atrial Fibrillation case, with plans to expand to more cases soon