



# TRANS-THORACIC ECHOCARDIOGRAPHY BASIC COURSE

25<sup>th</sup> to 29<sup>th</sup> of December 2025

- UNDERSTAND THE HEART BEYOND THE IMAGE
- 5-DAYS ACADEMIC JOURNEY THROUGH THE ART AND SCIENCE OF ECHOCARDIOGRAPHY, FROM PHYSICS TO PATHOLOGY
- INCLUDES REAL CASE REVIEWS TO BRIDGE THEORY AND CLINICAL APPLICATION
- IDEAL PREPARATION FOR CERTIFICATION EXAMS

**CONTACT**  
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**Book your place**



# *Day 1: Fundamentals*

**Cardiovascular Anatomy for Echocardiography**

**Principles and Physics of Ultrasound in Echocardiography**

**Echocardiographic Windows and Standard Views**

**Echocardiographic Modalities: 2D, M-mode, and Doppler**

# *Day 2:* Quantification and Normal Study

**Left Ventricular and Left Atrial Quantification**

**Right Ventricular and Right Atrial Quantification**

**Comprehensive Normal Transthoracic  
Echocardiographic Study**

**Assessment of Left Ventricular Diastolic Function**

**Hands-On: Normal Live Case**

# *Day 3:* Valvular Heart Disease (1)

**Evaluation of Mitral Regurgitation**

**Evaluation of Mitral Stenosis**

**Evaluation of Tricuspid and Pulmonary Valve Disease**

**Hands-On: Valvular Heart Diseases Offline Cases Analysis**

# *Day 4: Valvular Heart Disease (2)*

**Evaluation of Aortic Stenosis**

**Evaluation of Aortic Regurgitation**

**Evaluation of Prosthetic Valves**

**Hands-On: Valvular Heart Disease Offline Cases Analysis**

# *Day 5* : Myocardial and Pericardial Diseases

**Ischemic Cardiomyopathy:  
Echocardiographic Features**

**Dilated Cardiomyopathy: Echocardiographic  
Features**

**Hypertrophic Cardiomyopathy:  
Diagnosis and Differentiation**

**Pericardial Diseases and Tamponade**

**Offline Analysis: Cardiomyopathy Offline  
Cases Analysis**