



**ADN CoE<sup>®</sup>**

# MULTIMODALITY IMAGING TECHNIQUES

ISTANBUL  
23-25 NOVEMBER 2024



# 23 NOVEMBER 2024

## Hands-on 2D/3D-Trans-Esophageal Echocardiography Course

**09:00-09:15** Opening Remarks and Introduction

Welcome address

Overview of the webinar agenda and objectives

**09:15-09:45** Theoretical presentation

How to perform 2D-Trans-Esophageal Echocardiography (Step-by-step)

**09:45-10:45** Parallel Hands-on sessions (Normal anatomy) TEE Simulator

**10:45-11:00** Coffee Break

**11:00-11:30** Live-demonstration (Philips Echo machine)

3D-Trans-Thoracic acquisition, Cropping & display

**11:30-12:30** Parallel Hands-on sessions 3D-TTE acquisition

**12:30-13:30** Lunch Break

**13:30-14:00** Theoretical presentation

Basics of 3D-Trans-Esophageal Echocardiography

**14:00-15:00** Parallel Hands-on sessions (pathologies) TEE Simulator

**15:00-15:30** Coffee Break

**15:30-16:30** Hands-on session

Advanced offline analysis (Ultrasound Workspace) stations



# 24 NOVEMBER 2024

## **08:30-09:00** Registration and Welcome

Sign-in and welcome breakfast  
Introduction to workshop objectives and agenda  
Meet the instructors and participants

## **09:00-10:30** Introduction to Cardiac CT

Overview of Cardiac CT principles and applications  
Understanding indications, contraindications, and patient preparation  
Review of CT scanner technology and image acquisition

## **10:30-10:45** Coffee Break

## **10:45-12:15** Basics of Cardiac CT Imaging

Protocols for cardiac imaging  
Contrast administration techniques  
Motion artifact management  
Evaluation of image quality and common issues

## **12:15-13:15** Lunch Break

## **13:15-15:00** Hands-On Practice: Trimensio

Introduction to Trimensio software interface  
Importing and reviewing cardiac CT data  
Practice: Segmentation and visualization of cardiac structures  
Using Trimensio for quantitative analysis and interpretation

## **15:00-15:15** Coffee Break

## **15:15-17:00** Hands-On Practice: Philips Syngo Via

Introduction to Philips Syngo Via software interface  
Importing and reviewing cardiac CT data  
Practice: Advanced image processing and post-processing  
Using Syngo Via for cardiac assessment, including coronary artery analysis and plaque evaluation

## **17:00-17:30** Case Study and Discussion

Review of case studies using Trimensio and Philips Syngo Via  
Group discussion and Q&A  
Summary of key takeaways and best practices

## **17:30** Closing Remarks and Certificate Distribution

Recap of the day  
Feedback session  
Distribution of certificates of participation



# 25 NOVEMBER 2024

<b>09:00-09:15</b>	Introduction to Cardiac MR
<b>09:15-10:00</b>	Overview of Cardiac Imaging Modalities
<b>10:00-10:45</b>	Basic MRI Physics
<b>10:45-11:00</b>	Coffee Break
<b>11:00-12:00</b>	Case Reviews: Cardiac MRI Case Studies
<b>12:00-12:30</b>	Cardiac MRI Techniques and Protocols
<b>12:30-13:30</b>	Lunch Break
<b>13:30-14:00</b>	Hands-on Training Session -Live Scanning Session -Case Studies
<b>14:00-14:30</b>	Interpretation of Cardiac MR Images -Reading and Reporting -Quantitative Analysis
<b>14:30-15:00</b>	Interactive Case Review Session
<b>15:00-15:30</b>	Dose and Contrast Agents in Cardiac MRI -Applications of Contrasts in Cardiac MRI -Risks and Complications Contrast Agents
<b>15:30-16:00</b>	Q&N Session
<b>16:00-16:30</b>	Wrap-up End of Training