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ECM

MONZINO IMAGING ACADEMY

Echo3D Course

22nd-23th October 2026

Course Director

Gianluca Pontone
Deputy Scientific Director and Head of the Department of Perioperative Cardiology and Cardiovascular Imaging, Centro Cardiologico Monzino, University of Milan, Italy
Manuela Muratori
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Venue
Novotel Milano Linate
Via Mecenate, 121 - 20138 Milano

ECM credits

The course will provide ECM credits to Italian specialists only.

22-23 October 2026 Cod. ECM 991-480583
Credits: 17,3

Il corso è accreditato ECM per:
Medici Chirurghi (specializzati in Cardiologia, Cardiochirurgia, Anestesia e Rianimazione, Medicina interna, Radiodiagnostica, Medicina nucleare)

Obiettivo formativo: 18 - Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica, ivi incluse le malattie rare e la medicina di genere

Attestato ECM: Ricordiamo che per avere diritto ai crediti formativi ECM è obbligatorio: frequentare almeno il 90% delle ore di formazione, compilare il questionario di valutazione dell'evento, superare l'esame orale che verrà sostenuto al termine del corso. Il certificato riportante i crediti ECM verrà inviato tramite e-mail alcuni giorni dopo la fine dell'evento.

Endorsements on request

Language

Slides in English, talks in Italian

Maximum Attendees and Fee

30 participants
(15 workstations – 2 participants per workstation)
350 Euro+VAT

Course Structure

The course consists of two days dedicated to the main topics of 3D echocardiographic imaging, both transthoracic and transesophageal, delivered in a highly interactive format. Held in a classroom setting, the course is structured with sessions featuring lectures on technical and diagnostic aspects related to major cardiovascular diseases, with a particular emphasis on valvular diseases. The lectures are complemented by hands-on sessions involving transthoracic and transesophageal cases on workstations and ultrasound machines. This interactive course will strengthen your skills in utilizing 3D echocardiography at every step of valvular assessment and structural procedure monitoring. Additionally, the practical component will be enriched by an interactive simulation experience of key structural interventional procedures with real-time transesophageal monitoring.

Objective

The 3D Echocardiography Course is a theoretical and practical program designed for individuals who wish to acquire basic and advanced knowledge of three-dimensional echocardiographic methodology, understand its advantages, and optimize its use in patient clinical management and monitoring of structural interventional procedures.

Target Audience

The course is aimed at medical professionals in training or specialized in Cardiology, Cardiac Surgery, Anesthesia and Intensive Care, Internal Medicine, Radiology and Nuclear Medicine.

Program

THURSDAY	
09:30	Registration
10:00	Course introduction Gianluca Pontone, Manuela Muratori
10:30	Acquisition and Navigation in 3D Space: Tips & Tricks Laura Fusini
11:00	Coffee Break
11:30	3D Echo for Left Ventricular Function: Theory and Practical Cases on Workstations Laura Fusini
12:00	3D Echo for Right Ventricular Function: Theory and Practical Cases on Workstations Paola Gripari
12:30	3D Echo in Aortic Valve Disease: Theory and Practical Cases on Workstations Manuela Muratori
13:00	Lunch
14:00	Hands-On Session on Ultrasound Machines: Selected Clinical Cases and Simulators for Structural Interventional Procedures Laura Fusini, Paola Gripari, Manuela Muratori
17:00	Lecture: Echocardiography: A Continuously Evolving Technique Mauro Pepi
17:30	End of Day

FRIDAY	
08:30	3D Echo in Mitral Valve Disease: – Mitral Stenosis Valentina Mantegazza – Organic Mitral Regurgitation Valentina Mantegazza – Functional Mitral Regurgitation Laura Fusini – Monitoring of M-TEER Paola Gripari – Monitoring of TMVR Manuela Muratori – Mitral Valve Disease: Practical Cases on Workstations Laura Fusini, Paola Gripari, Valentina Mantegazza, Manuela Muratori
10:30	Coffee Break
11:00	3D Echo in Tricuspid Valve Disease: – Tricuspid Valve Assessment Francesco Cannata – Monitoring of T-TEER and TTVR Fabio Fazzari – Tricuspid Valve Disease: Practical Cases on Workstations Francesco Cannata, Fabio Fazzari, Laura Fusini
12:30	3D Echo in the Assessment of Valve Prostheses Manuela Muratori

13:00	Lunch
14:00	Left Atrial Appendage/Patent Foramen Ovale and Atrial Septal Defect: Anatomy and Percutaneous Closure – Theory and Practical Cases on Workstations Francesco Cannata
15:00	Hands-On Session on Ultrasound Machines: Selected Clinical Cases and Simulators for Structural Interventional Procedures Francesco Cannata, Fabio Fazzari, Laura Fusini
17:00	Lecture: Multimodal Imaging for Interventional Cardiology and Presentation of the Monzino Cardiac Imaging Academy Gianluca Pontone
18:00	Closing Remarks

