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Provider



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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

Head of Echo Unit, Department of Perioperative
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Venue
Centro Cardiologico Monzino
Via Carlo Parea, 4 - 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

Registration Link

https://short.do/da6CS_

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