

## Faculty

Francesco Cannata  
Centro Cardiologico Monzino, Milano

Fabio Fazzari  
Centro Cardiologico Monzino, Milano

Laura Fusini  
Centro Cardiologico Monzino, Milano

Paola Gripari  
Centro Cardiologico Monzino, Milano

Valentina Mantegazza  
Centro Cardiologico Monzino, Milano

Manuela Muratori  
Centro Cardiologico Monzino, Milano

Mauro Pepi  
Centro Cardiologico Monzino, Milano

Gianluca Pontone  
Centro Cardiologico Monzino, Milano

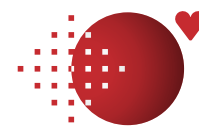
## Scientific Secretariat

Laura Fusini  
MD (Staff Member of Department of Perioperative  
Cardiology and Cardiovascular Imaging,  
Centro Cardiologico Monzino IRCCS, Milan, Italy)  
laura.fusini@cardiologicomonzino.it

## Organising Secretariat



MZ Events Srl  
Via Carlo Farini, 81  
20159 Milano  
Tel. 0266802323  
eventi@cardiologicomonzino.it



Centro Cardiologico  
Monzino

ECM

# MONZINO IMAGING ACADEMY

## Echo3D Course

23<sup>rd</sup>-24<sup>th</sup> October 2025

### 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  
Cardiology and Cardiovascular Imaging, Centro  
Cardiologico Monzino IRCCS, Milan, Italy

### Venue

Novotel Milano Linate  
Via Mecenate, 121 - Milano

## ECM credits

The course will provide ECM credits to Italian specialists  
only.

Provider: MONZINO ID 991-442149

Credits: 15,5

Il corso è accreditato ECM per:

Medici Chirurghi (specializzati in Cardiologia,  
Cardiochirurgia, Anestesia e Rianimazione, Medicina  
interna, Radiodiagnostica, Medicina nucleare)

**Obiettivo formativo:** 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 il  
90% delle ore di formazione, compilare il questionario  
di valutazione dell'evento, superare il questionario  
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://ems.mzevents.it/start/2371/ita>



Centro Cardiologico  
Monzino

## 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