



# MICS

Minimally Invasive  
& Catheter Solutions

# ROME

# ECHO-SURGERY LAB

**PRESIDENT**

Giuseppe **SPEZIALE**

**COURSE DIRECTOR**

Corrado **FIORE**

**SCIENTIFIC COMMITTEE**

Gilles **DREYFUS**

Khalil **FATTOUCH**

Alfredo **MARCHESE**

Domenico **PAPARELLA**

Mani A. **VANNAN**

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**June 6-7, 2025**

Conference Area

Ospedale San Carlo di Nancy

Via Aurelia 275

**ROME (IT)**

# OBJECTIVES OF THE COURSE

## MICS ROME ECHO-SURGERY LAB

2D/3D transesophageal echocardiography course is dedicated to the use of Echo in cardiac surgery and aimed at cardiologists, cardiac surgeons and cardiac anesthesiologists who want to delve deeper into the method from a theoretical and practical point of view.

The role of echocardiography in the pre-operative and intra-operative assessment plays a fundamental role for a correct evaluation, especially in case of valvular diseases, and allows the echocardiographer and cardiac surgeon to share a common language and to define an improved plan in operations for valve repairs.

The course aims to provide adequate theoretical knowledge through lectures in the morning session with national and international experts in the field and through practical sessions in the afternoon, with participants directly engaged in hands-on procedures.

The sixth edition of the course includes practical trainings with experienced tutors, through 3 steps:

- Use of the most realistic TEE simulator (Mr TEEmothy)
- 3D-Echo workshop by GE and PHILIPS in order to analyze and in-depth explore the post-processing phase of 3D datasets
- WET-LAB with LIVE-ECHO: each participant will be guided in the porcine heart dissection showing the respective echocardiographic anatomical correlations

*Endorsed by*



# FRIDAY JUNE 6, 2025

- 8.45 Welcome Address  
Ettore Sansavini, Giuseppe Speziale, Corrado Fiore

## SESSION 1 PERIOPERATIVE TRANSESOPHAGEAL ECHOCARDIOGRAPHY

*Chairs:* P. Izzo, M. Siro Brigiani

- 9.00 Transesophageal Echocardiography approach: anatomic considerations to move from 2D to 3D  
C. Fiore
- 9.12 How to study LV and RV function in operating room: 2D/3D TEE approach  
F. Lofrumento
- 9.24 Hemodynamic calculations by intraoperative transesophageal echocardiography  
G. Bozzetti
- 9.36 Pitfalls and artifact in transesophageal echo: how to recognize and how to avoid?  
C. Fiore
- LECTIO MAGISTRALIS**
- 10.00 Surgeon and Echocardiographer: how to speak the same language. 2D/3D-TEE step-by-step review of valves assessment from a surgical point of view  
A. Berrebi
- 10.20 Discussion

## SESSION 2 PERIOPERATIVE ECHO: AORTIC SESSION

*Chairs:* G. Campolongo, E. Navarra, A. Pasquini

- 10.30 3D TEE and anatomic considerations of aortic valve and aortic root  
A. Squeri
- 10.42 Mechanisms and quantification of aortic regurgitation: a step by step guide  
S. Suma
- 10.54 Aortic valve repair: how to help the surgeon in OR with TEE; concepts of geometric and effective height  
C. Fiore
- LECTIO MAGISTRALIS**
- 11.06 How to repair a bicuspid aortic valve: from classification to surgical concepts  
D. Paparella
- 11.26 Discussion

## SESSION 3 PERIOPERATIVE ECHO: TRICUSPID SESSION

*Chair:* A. Squeri, A. Pasquini

- 12.00 Preoperative anatomic considerations of tricuspid annulus and leaflets by 2D/3D TEE study  
T. Kemaloglu Oz
- 12.12 How to assess right ventricle function before surgery in severe tricuspid regurgitation  
M. Tomaselli
- 12.24 Atrial vs Ventricular Tricuspid Regurgitation: recent advances in understanding pathophysiology, severity grading and outcomes  
G. La Canna

## FRIDAY JUNE 6, 2025

### LECTIO MAGISTRALIS

- 12.36** Timing for Functional Tricuspid Regurgitation: surgeon's perspective  
**G. Dreyfus**
- 13.00** Not only signs and symptoms: the clinical diagnosis of metabolic cardiorenal syndrome and the role of SGLT2i  
**G. Cagnazzo**
- 13.15** Discussion
- 13.30** **LIGHT LUNCH**

## HANDS ON SESSION

**14:30-18:30**

- **Mr TEE-MOTHY**  
*Tutor: A. Fiscaro, T. Kemalglu Oz, P. Izzo*
- **3D PHILIPS WORKSHOP**  
*Tutor: A. Squeri, S. Suma, C. Fiore*
- **3D GE WORKSHOP**  
(included TEE simulator)  
*Tutor: T. Kemalglu Oz, T. Viva, C. Fiore*
- **WETLAB and LIVE Echo**  
*Tutor: L. Specchia, G. Santarpino, F. Lofrumento*

## WORKSHOPS PROGRAM

- Cropping and make-up of images. Clinical cases
- 3D analysis of the left and right ventricle: from acquisition to post-processing. Clinical cases
- 3D aortic valve and aortic root analysis, acquisition and post-processing. Clinical cases. 3D analysis of the tricuspid valve, acquisition and post-processing. Clinical cases
- 3D analysis of the tricuspid valve, acquisition and post-processing. Clinical cases

## SATURDAY JUNE 7, 2025

### SESSION 1

## PERIOPERATIVE ECHO: MITRAL SESSION

*Chairs: A. Berrebi, K. Fattouch, E. Navarra*

- 9.00** 3D-TEE anatomy of mitral valve and surgical correlations  
**T. Viva**
- 9.12** MV repair in degenerative disease: What does the surgeon need to know and how does it affect their approach? The echo point of view  
**A. Pasquini**
- 9.24** Simplifying Mitral Valve Repair: a guide to Neochordae reconstruction by 2D/3D TEE  
**C. Fiore**
- 9.36** Echocardiographic assessment and management of functional MR (Atrial vs Ventricular)  
**F. Ancona**
- 9.48** Multiparametric approach to proper quantification of mitral regurgitation  
**N. Merke**
- 10.00** Discussion
- LECTIO MAGISTRALIS**
- 10.30** MV prolapse and surgery: a neverending story  
**M. Pepi**

# SATURDAY JUNE 7, 2025

## SESSION 2

### COMPLEXITY IN MITRAL VALVE REPAIR

#### 11.00 LECTIO MAGISTRALIS

State-of-the-art of minimally invasive mitral valve repair in Barlow disease

G. Speziale

Panel: K. Fattouch, C. Fiore, G. Nasso

## SESSION 3

### PERIOPERATIVE ECHO: PROSTHESIS, ENDOCARDITIS AND TRANSCATHETER PROCEDURES

Chairs: F. Castriota, A. Marchese

- 12.00 How to assess mitral and aortic prosthesis dysfunction: a multimodality approach  
A. Fiscaro
- 12.12 Endocarditis and complications: What to look at the echo and what to say to the surgeon?  
P. Izzo
- 12.24 Echocardiographic assessment of ASD: when to refer to the surgeon and when to the interventionalist  
C. Papadopoulos
- 12.36 Transcatheter options for tricuspid valve disease  
V. Cammalleri
- LECTIO MAGISTRALIS**
- 12.48 Favorable and unfavorable mitral anatomies for transcatheter edge to edge repair  
M.A. Vannan
- 13.05 Discussion
- 13.20 Cardiac amyloidosis: “red flags”, diagnostic and therapeutic pathways  
L. Bertini
- 13.30 **LIGHT LUNCH**

## HANDS-ON SESSION

### 14.15-18.15

- Mr TEE-MOTHY  
Tutor: A. Squeri, V. Cammalleri, T. Viva
- 3D PHILIPS WORKSHOP  
Tutor: F. Ancona, A. Pasquini, C. Fiore
- 3D GE WORKSHOP  
(included TEE simulator)  
Tutor: K. Papadopoulos, M. Tomaselli, C. Fiore

## WORKSHOPS PROGRAM

- Mitral valve disease: methods of acquisition, optimization, post-processing and quantitative analysis on dedicated software of mitral pathologies.
  - Structural heart disease: methods of acquisition, optimization, post-processing and analysis of ASD, LAA, paravalvular leaks. Clinical cases.
- 18.15 Take home message

# FACULTY

**Francesco Ancona**, *Milano*

**Alain Berrebi**, *Paris, France*

**Lorenzo Bertini**, *Lecce*

**Giuseppe Bozzetti**, *Glasgow, UK*

**Giuseppe Cagnazzo**, *Lecce*

**Valeria Cammalleri**, *Roma*

**Giuseppe Campolongo**, *Roma*

**Fausto Castriota**, *Cotignola (Ra)*

**Gilles Dreyfus**, *Paris, France*

**Khalil Fattouch**, *Palermo*

**Corrado Fiore**, *Lecce*

**Andrea Fisicaro**, *Cotignola (Ra)*

**Paolo Izzo**, *Bari*

**Tugba Kemaloglu Oz**, *Istanbul, Turkey*

**Giovanni La Canna**, *Milano*

**Francesca Lofrumento**, *Lecce*

**Alfredo Marchese**, *Bari*

**Nicolas Merke**, *Berlin, Germany*

**Giuseppe Nasso**, *Bari*

**Emiliano Marco Navarra**, *Roma*

**Kostantinos Papadopoulos**, *Athens, Greece*

**Domenico Paparella**, *Bari*

**Annalisa Pasquini**, *Roma*

**Mauro Pepi**, *Milano*

**Giuseppe Santarpino**, *Lecce*

**Mario Siro Brigiani**, *Bari*

**Luigi Specchia**, *Lecce*

**Giuseppe Speciale**, *Bari*

**Angelo Squeri**, *Cotignola (Ra)*

**Sergio Suma**, *Parma*

**Michele Tomaselli**, *Milano*

**Mani A Vannan**, *Atlanta, Usa*

**Tommaso Viva**, *Milano*

## MICS ROME ECHO & LIVE SURGERY LAB

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## INFORMATION

### VENUE

**Conference Area**  
**Ospedale San Carlo di Nancy**  
Via Aurelia 275  
Rome - IT

### REGISTRATION

The Course has a limited number.

### REGISTRATION FEE

- **€ 750,00** (vat included) for regular fee (on-site registration)
- **€ 500,00** (vat included) for Medical Student (on-site registration)
- **€ 200,00** (vat included) for online Attendee (online registration)

**On-site registration fee includes:** admission to the Scientific Sessions including Hands-on Session, refreshment according to the program, certificate of attendance, CME credits for Italian participants

**Online registration fee includes:** online participation to the Scientific Sessions, certificate of attendance

**For information** please contact the Organizing Secretariat sending your CV at [mics@mitralacademy.it](mailto:mics@mitralacademy.it)

### CME PROVIDER

**GVM Campus (6028)**

### CME CREDITS

The event has been assigned **n. 17 Italian CME Credits** for Physicians (Cardiology, Cardiac Surgery, Anaesthesia and Resuscitation).

**Training objective:** Technical-professional contents (knowledge and expertise) specific for each profession, specialisation and ultra-speciality activity.

### ORGANIZING SECRETARIAT

**ADB Eventi&Congressi**  
e-mail [mics@mitralacademy.it](mailto:mics@mitralacademy.it)  
Tel. +39 051 0959160

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*With the sponsorship of*

