

HOW TO REACH US

PUBLIC TRANSPORT (ATM)

From the city centre:

(1) Take subway 3 (yellow line) toward San Donato up to the last station. Take bus number 45, Via Vittorini stop which is 50 m from Centro Cardiologico Monzino.

(2) Take tram number 27 to Viale Ungheria stop, then take bus number 66 or 67 toward Linate airport and get off in Via Vittorini.

From the Central Station and Rogaredo:

Take subway 3 (yellow line) and follow the directions above.

BY CAR

The Centro Cardiologico Monzino is situated 100 metres from "Via Mecenate" exit of the Tangenziale Est (bypass road).

From Milan:

Enter Via Mecenate, turn left at the traffic-light just before the entrance to Tangenziale Est and follow indications for CCM (Centro Cardiologico Monzino).

From the A1 (Bologna) motorway:

Take Tangenziale Est (toward Venezia) up to the exit of Via Mecenate, then follow the indication for CCM (Centro Cardiologico Monzino).

From the A1 (Venezia) motorway:

Take Tangenziale Est (toward Bologna) up to the exit of Via Mecenate, then follow the indication for CCM (Centro Cardiologico Monzino).

From the A4 (Torino), A8 (Varese), A7 (Genova), A9 (Como) motorways:

Take Tangenziale Ovest (toward Bologna) and then enter Tangenziale Est (toward Venezia) up to the exit "Via Mecenate" and follow the indications for CCM (Centro Cardiologico Monzino).

MAP

You can find the map indicating how to reach us on the web-site www.cardiologicomonzino.it in the "come raggiungerci" area, then clicking on PIANTINA

FACULTY

Paolo Barbier
Claudia Cefalù
Mauro Pepi
Gloria Tamborini

Registration

The participants will be accepted giving priority to the date of receipt of the registration form by the Organizing Secretariat.

There will be a **limitation of 10 places** each course, to guarantee an optimum interaction between the tutor and participants.

The participation quote is euro **950,00 + 21%** (VAT), and includes:

- Assistance of Tutor
- Practical exercises
- Desk work
- Educational material
- Lunch vouchers (for canteen)
- Certificate of attendance

Location and Times

Unità Operativa di Ecocardiografia
Centro Cardiologico Monzino IRCCS
Via Parea, 4 - Milano
Morning 9.00 - 13.00
Afternoon 14.00 - 18.00

CONTACTS

Scientific Secretariat
Claudia Cefalù
Centro Cardiologico Monzino IRCCS
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Organizing Secretariat
CQ Travel srl
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eventi@cardiologicomonzino.it

Dipartimento SCCO - Sezione Cardiovascolare
Università degli Studi di Milano

ECM

4TH/5TH APRIL 2013
24TH/25TH OCTOBER 2013

Course Venue
Centro Cardiologico Monzino IRCCS, Milano

Mitral Regurgitation: from
quantitative doppler to the
3d morphological analysis
in routine diagnostics

Echocardiographic Workshop

Course Director
Paolo Barbier
Echocardiography Unit



**Centro Cardiologico
Monzino**

Si cura meglio dove si fa ricerca

www.cardiologicomonzino.it

TRAINING COURSE

objectives

The aim of the workshop is to provide the participants with the methodology to:

- carry out a complete quantitative analysis of the degree of mitral regurgitation with Doppler echocardiograph,
- characterize morphologically the alterations of the mitral valve apparatus with transthoracic 2D and 3D echocardiography.

At the end of the workshop the participants will acquire the skills to diagnose mitral regurgitation, to correctly grade the severity of the regurgitation, and to describe the prevalent morphological alteration of the valve apparatus.

recipients

The workshop is targeted for specialists in cardiology, anaesthesia and internal medicine, and cardiac surgeons.

1st day

DIAGNOSIS AND QUANTIFICATION WITH 2D AND QUANTITATIVE DOPPLER ECHOCARDIOGRAPHY.

P. Barbier - C. Cefalù

8.30 Welcome and distribution of the teaching material.

9.00 Introduction to the workshop.
Etiology of regurgitation and patient prognosis. Why we should always quantify mitral regurgitation with echocardiography.

What do the guidelines say concerning the diagnosis and management of mitral regurgitation.
Physiopathology of mitral regurgitation.
Methodology: A. Integrated qualitative analysis of mitral regurgitation (the 24 signs).
Methodology: B. The color Doppler area method.

10.30 Coffee Break.

10.45 Methodology: C. The vena contracta.
Methodology: D. The PISA method.
Methodology: E. Quantitative Doppler analysis.

12.00 Hands-on session in the echocardiography laboratory.

12.45 Lunch.

13.30 Anatomy of the mitral valve apparatus.
Basic non-invasive hemodynamics with echocardiography (left atrial and pulmonary pressures).
"How-to", pitfalls and review of case studies from our digital echocardiography database.

15.30 Coffee Break.

15.45 "How-to", pitfalls and review of case studies from our digital echocardiography database.
Reporting and patient follow-up.
Summary and diagnostic flow-charts.
Conclusions.

2nd day

MORPHOLOGICAL ANALYSIS WITH TRANSTHORACIC AND TRANSESOPHAGEAL 2D AND 3D ECHOCARDIOGRAPHY

M. Pepi - G. Tamborini

9.00 Introduction to the morning session (Morphological analysis with the 2D examination and added value of the 3D examination).
3D echocardiography case studies from our digital database.
2D and 3D evaluation of mitral valve scallops: transthoracic approach.
2D and 3D evaluation of mitral valve scallops: transesophageal approach.
The use of 3D intraoperative transesophageal echocardiography during mitral valve repair.

12.00 Conclusion and discussion.

13.00 Lunch.

14.00 End of the workshop.

REGISTRATION FORM

Mitral Regurgitation

Please fill out and send the form to the fax number +39 02 4954 2900 / 02 6686 699 or make your online registration through [» cardiologicomonzino.it](http://cardiologicomonzino.it)

4th/5th apr 24th/25th oct

Personal Data

surname and name

birth date

address

town

zip code

tel

fax

e-mail

Professional Data

profession

specialty

hospital

address

town

zip code

tel

fax

e-mail

date

signature