

## Razionale

Recent advances in coronary CT angiography have put the technology in the frontline of the diagnostic strategies to detect coronary artery disease. A part from its high diagnostic accuracy, coronary CT angiography demonstrated to have robust prognostic value in patients with suspected but unknown CAD and in those with known CAD. The Prospective Studies PROMISE and SCOT-HEART have demonstrated the incremental value of coronary CTA over conventional practice in investigating patients with suspected angina. Moreover, the capability of CCTA to non-invasively identify and characterize coronary atherosclerosis has drawn the attention of researchers. The recent introduction of method that enable to add a functional assessment of coronary stenosis by CT (CT perfusion and FFRCT) allows to propose the method for the planning of interventional and surgical procedures.

Cardiac MR reached widespread acceptance as robust non-invasive diagnostic and prognostic tool in different cardiac diseases, including cardiomyopathies, ischemic heart disease and myocarditis. With the recent advances, cardiac MR allows to characterize the acute and chronic myocardial damage, with the opportunity to identify the myocardial disease in an early phase, including uncommon forms of genetic disease and the substrate of malignant arrhythmias.

Both cardiac CT and MR are becoming pivotal tests for the assessment of competitive athletes.

This meeting aims to offer the cardiologist, radiologist and technologist and specialists in nuclear cardiology, internal medicine, sport medicine and cardiac surgery a guide to know the latest technical and clinical advancements in the field of cardiovascular imaging.

## CME Accreditation

The CME credits will be awarded only after full attendance of all sessions.

Completion of the Registration form, Learning & Assessment questionnaires are compulsory.

## Venue

Aula Magna Cesare Bartorelli

## Sponsor

To be announced

## 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 Rogoredo:* 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](http://www.cardiologicomonzino.it) in the "come raggiungerci" area, then clicking on PIANTINA.



Centro Cardiologico  
Monzino

Dipartimento DISCCO - Sezione Cardiovascolare  
Università degli Studi di Milano

CME

## ADVANCED MULTIMODALITY IMAGING IN CARDIOVASCULAR DISEASE

November 7-8, 2019

Course venue

Centro Cardiologico Monzino IRCCS, Milano

Course director

Daniele Andreini

Director of Cardiovascular CT and Radiology Unit

## Faculty

D. Andreini, *Milano*

A. Annoni, *Milano*

G. Aquaro, *Pisa*

A. Baggiano, *Milano*

G. Ballerini, *Milano*

A. Bartorelli, *Milano*

C. Basso, *Padova*

F. Cademartiri, *Napoli*

A. Chiribiri, *London*

C. Collet, *Aalst*

E. Conte, *Milano*

A. Dello Russo, *Milano*

A. Esposito, *Milano*

C. Fiorentini, *Milano*

A. Formenti, *Milano*

M. Francone, *Roma*

E. Frascini, *Milano*

P. Gripari, *Milano*

M. Guglielmo, *Milano*

M. Lombardi, *Milano*

E. Mancini, *Milano*

P.G. Masci, *London*

J.K. Min, *New York*

L. Monti, *Milano*

G. Muscogiuri, *Milano*

S. Mushtaq, *Milano*

D. Neglia, *Pisa*

Y. Onuma, *Rotterdam*

M. Perazzolo Marra, *Padova*

M. Pepi, *Milano*

G. Quarta, *Bergamo*

F. Sardanelli, *Milano*

P.W. Serruys, *Rotterdam*

J. Sonck, *Aalst*

E. Tremoli, *Milano*

P. Zeppilli, *Roma*

## Course Director

Daniele Andreini

## Scientific Committee

*CardioTC*

Filippo Cademartiri – Saima Mushtaq

*CardioRM*

Pier Giorgio Masci – Edoardo Conte

## Contacts

*Organizing Secretariat*

Devital S.r.l.

Via F. Turati 7

20121 Milano

T +39 02 58002876 / F +39 02 48513353

E [eventi@ccfm.it](mailto:eventi@ccfm.it)

W <http://www.cardiologicomonzino.it>

# Program

## NOVEMBER 7

9-30	Welcome and Introduction M. Pepi, C. Fiorentini
9-40	Top 10 papers in cardiovascular imaging in the last 5 years E. Tremoli
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	<b>SESSION I: CT PERFUSION</b> D. Neglia, F. Cademartiri
10.00	CT perfusion is ready for prime-time? Yes, if dynamic approach is used A. Baggiano
10.15	CT perfusion is ready for prime-time? Yes, and static approach is all you need S. Mushtaq
10.30	No, and nuclear imaging is still the perfusion modality of choice D. Neglia
10.45	DISCUSSION
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	<b>SESSION II: FFRCT</b> D. Andreini, A. Bartorelli
11.00	Why FFRCT should be the preferred test to select patients for revascularisation C. Collet
11.15	A non-invasive planning for percutaneous coronary intervention: Insights from P3 J. Sonck
11.30	How to integrate Coronary CT Angiography plus FFRCT in the clinical practice: clinical case-based insights D. Andreini
11:45	Impact of PCSK9 inhibition with evolocumab on coronary perfusion in patients with reduced FFRCT: the Markov study Y. Onuma
12:00	DISCUSSION
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	<b>SESSION III: 15 YEARS OF CARDIAC CT IN MONZINO</b> M. Pepi, D. Andreini
12.15	From a good topic for research to a fully clinical method for the management of CAD G. Ballerini

12.30	The role of technologist E. Fraschini
12.45	DISCUSSION
13.00	LUNCH
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	<b>SESSION IV: ADVANCED CLINICAL APPLICATIONS IN CARDIAC CT</b> D. Neglia, F. Cademartiri
14.00	LECTURE: CARDIAC CT INTO THE NEW ESC AND ACC/AHA GUIDELINES ON STABLE CAD F. Cademartiri
14.30	Advanced quantitative plaque assessment and correlation with cardiac biomarkers and fluidodynamic assessment E. Conte
14.45	Cardiac CT for the planning of ventricular arrhythmias ablation A. Esposito
15.00	Cardiac CT for TAVI and percutaneous mitral valve intervention E. Mancini
15.15	CAD risk prediction and stratification: the EVINCI and SMARTool studies D. Neglia
15.30	LECTURE: A CORONARY CT ANGIOGRAPHY-BASED PROGRAM OF PRIMARY PREVENTION: HYPE OR NEXT TO COME? J.K. Min
16.00	DISCUSSION
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	<b>SESSION V: LIVE RECONSTRUCTION OF CLINICAL CASES (CT-MR)</b> A. Annoni, P.G. Masci
16.15	Atrial fibrillation A. Formenti
16.25	Hybrid revascularization G. Muscogiuri
16.35	SVT di nnd M. Guglielmo
16.45	LDAC P. Gripari
16.55	DISCUSSION
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17.15-18.45	<b>MINI-COURSE: Tavi</b> Room C Tutor: A. Annoni, A. Formenti Post-processing: TBD

## NOVEMBER 8

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	<b>SESSION VI: CARDIOMYOPATHIES</b> L. Monti
9.00	New insights in ACM: not only right... S. Mushtaq
9.15	Cardiac CT for myocardial fibrosis and biventricular assessment E. Conte
9.30	CMR in patients with Heart Failure: luxury or do we just need it? P.G. Masci
9.45	Hypertrophic Cardiomyopathy and Phenocopies: CMR for a better diagnosis & risk stratification G. Quarta
10.00	Mitral Prolapse, just a valvular disease? New insight to an 'old' pathology by CMR M. Perazzolo Marra
10.15	DISCUSSION
10.30	COFFEE BREAK
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	<b>SESSION VII: ADVANCED CLINICAL APPLICATIONS IN CARDIAC MR</b> M. Lombardi, P.G. Masci
10.45	Amyloidosis: multiparametric imaging as guide to therapy (T1 and T2 mapping) A. Baggiano
11.00	The future in now: perspectives for the next-generation of CMR imagers P.G. Masci
11.15	Translational CMR at PISA: A special lesson for the CMR community G. Aquaro
11.30	The pathological bases for a CMR-guided work-up in patients with aborted sudden cardiac deaths/life-threatening ventricular arrhythmias C. Basso
11.45	Tako Tsubo & Infamatory Cardiomyopathy: Puzzling the diagnosis. M. Francone

12.00	LECTURE: STRESS PERFUSION CMR: STATE-OF-THE-ART AND FUTURE PERSPECTIVES A. Chiribiri Introduction by P.G. Masci
12.30	DISCUSSION
12.45	LUNCH
13.45	LECTURE: CORONARY CT ANGIOGRAPHY PLUS FFRCT FOR INTERVENTIONAL CARDIOLOGISTS: INSIGHTS FROM SYNTAX II AND III AND FUTURE PERSPECTIVE P.W. Serruys Introduction by D. Andreini
14.15	DISCUSSION Panelist: A. Bartorelli
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	<b>SESSION VIII: IMAGING AND SPORT CARDIOLOGY</b> F. Sardanelli, P. Zeppilli
14.30	Coronary anomaly and myocardial bridging P. Zeppilli
14.45	How imaging findings impact the decision process in competitive athletes A. Dello Russo
15.00	Cardiac MR for detection of arrhythmic substrate D. Andreini
15.15	Novelthies in Echocardiography M. Pepi
15.30	DISCUSSION
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15.45-17.45	<b>MINI-COURSE: Imaging and sport cardiology</b> Room C Tutor: S. Mushtaq, E. Conte Post-processing: TBD

