

RESPONSABILE SCIENTIFICO DEL CONVEGNO

Raffaele De Caterina (Pisa)

DESTINATARI DELL'INIZIATIVA

L'evento è accreditato nel programma di Educazione Continua in Medicina con l'identificativo **661-453647** secondo le attuali disposizioni, per **100** partecipanti nella professione di **Medico Chirurgo** specialista in Anestesia e Rianimazione, Malattie metaboliche e diabetologia, Cardiologia, Cardiocirurgia, Chirurgia Toracica, Chirurgia Vascolare, Ematologia, Geriatria, Malattie dell'apparato respiratorio, Medicina e Chirurgia di Accettazione e di Urgenza, Allergologia ed immunologia clinica, Medicina Generale (medici di famiglia), Medicina Interna, Medicina Dello Sport e Reumatologia ed eroga **31 (trentuno)** crediti formativi per ogni corso al superamento del questionario di apprendimento ed al corretto espletamento di tutte le procedure amministrative.

OBIETTIVO FORMATIVO: documentazione clinica. percorsi clinico-assistenziali diagnostici e riabilitativi, profili di assistenza - profili di cura

ORE FORMATIVE: 31

MODALITÀ D'ISCRIZIONE

Costo quota d'iscrizione (iva 22% inclusa): **500,00 Euro**

SEGRETERIA ORGANIZZATIVA E PROVIDER ECM

EXECUTIVE CONGRESS SRL

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SEDE DEL CORSO

Polo Didattico Monastero "Le Benedettine"

Piazza S. Paolo a Ripa d'Arno, Pisa

RAZIONALE SCIENTIFICO:

The course is conceived as an intensive course (over five days) with a strong translational and multidisciplinary approach. It is oriented to provide state-of-the-art knowledge advances in major cardiovascular issues, from basic sciences to pathophysiological perspectives and clinical approaches, with special attention devoted to promote scientific thinking through interactive discussions between the Faculty and the participants.

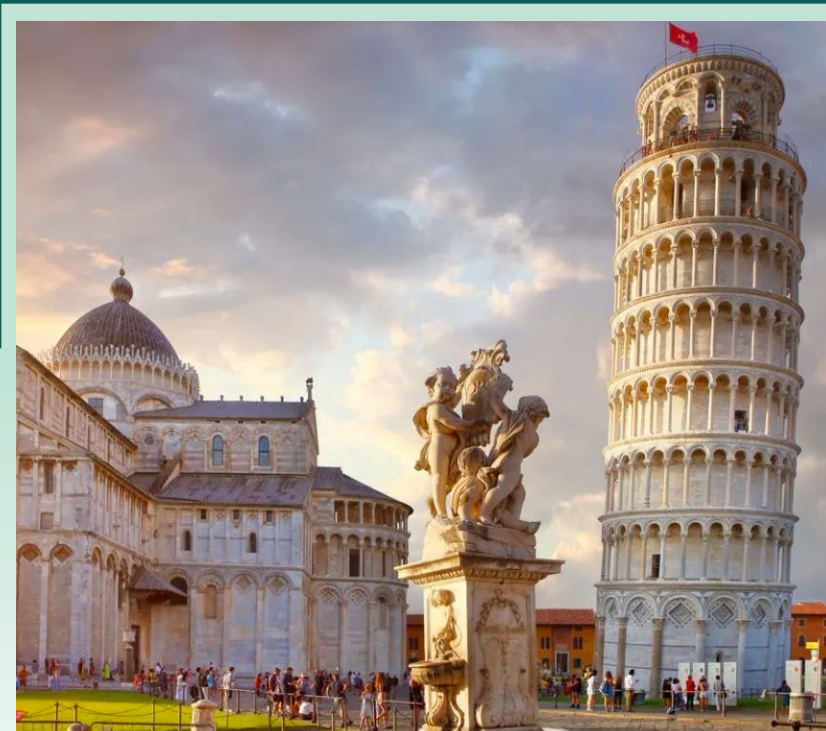
Target groups have been traditionally mainly late undergraduate and early postgraduate students of Medicine and Life Sciences, PhD students and students in the early years of Postgraduate Medical Schools. This year, the course will be open to practicing physicians (mostly cardiologists), for a deep dive in the areas of the fastest development in research and innovation. The Course offers a unique opportunity for participants to be exposed, in a friendly atmosphere, to qualified local and external lecturers coming from prestigious Italian and foreign Institutions, addressing relevant clinical issues and emerging scientific topics in most aspects of cardiovascular medicine and pathophysiology.

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Congresso

Hot Topics in Cardiovascular Medicine



Polo Didattico Monastero "Le Benedettine"
Pisa, 21 - 25 Luglio 2025

Monday July 21th

- 08:30** Participants' Registration
09:00 Introduction **Raffaele De Caterina**
09:15 The University of Pisa and its Internationalization Program **Filippo Giorgi**

I SESSION- Principles of Cardiovascular Physiology and Pathophysiology

Chairmen: **Raffaele De Caterina, Carlo Palombo**

- 09:30** Myocardial metabolism in the health and disease **Giuseppe Rosano**
10:00 Left and right heart mechanics **Fabio Recchia**
10:30 Break
11:00 Large artery structure and function **Carlo Palombo**
11:30 Blood pressure variability: methodological aspects, pathophysiological and clinical relevance **Gianfranco Parati**
12:00 Discussion
12:30 Break

II SESSION - Atherothrombosis and risk factors for cardiovascular disease

Chairmen: **Stefano Taddei, Agostino Virdis**

- 13:00** Atherothrombosis – a 2025 update **Gemma Vilahur**
14:45 Obesity, overweight, diabetes and cardiovascular risk **Andrea Natali**
15:30 Lifestyle interventions: the new frontier **Luigi Fontana**
16:00 Discussion
16:30 Break
16:45 Updates in arterial hypertension **Stefano Taddei**
17:15 Cardiovascular disease in Type 2 diabetes: how and when does it start?
Stefano Del Prato
17:45 Current and Forthcoming Lipid-lowering therapies **Alberico Catapano**
18:15 Discussion
19:00 End of the First Day's Activities

Tuesday July 22th

- 09:15** Introduction **Raffaele De Caterina**

III SESSION- Myocardial ischemic syndromes – Pathophysiology and Endotypes

Chairmen: **Doralisa Morrone, Raffaele De Caterina**

- 09:30** Endothelial dysfunctions as the final common pathway of atherosclerotic vascular disease **Lorenzo Ghiadoni**
10:00 Principles of diagnosis and risk stratification of chronic ischemic heart disease
Danilo Neglia
10:30 Polymorbidity and polypharmacy and frailty in cardiovascular disease
Andrea Ungar
11:00 Discussion
11:30 Break
11:45 Myocardial infarction with non-obstructive coronary arteries **Doralisa Morrone**
12:15 Acute and non-acute myocardial ischemic syndromes – The need for a new classification **William E. Boden**
12:45 Discussion
13:15 Break

IV SESSION - Congestion and Heart Failure

Chairmen: **Raffaele De Caterina, Luna Gargani, Pierpaolo Pellicori**

- 14:15** What is congestion and what is heart failure **John Cleland**
14:45 How to assess congestion at rest **Luna Gargani**
15:15 How to assess congestion during exercise **Nicola Riccardo Pugliese**
15:45 Congestion and assessment of fluid balance in the critically ill **Francesco Corradi**
16:15 Discussion
16:45 Break
17:00 Hypertrophic cardiomyopathy: new therapeutic horizons **Maurizio Pieroni**
17:30 Treating congestion: the old – diuretics – and the new -the sodium-glucose transporter 2 (SGLT2) inhibitors **Carmine Zoccali**
18:00 Treating congestion: beta-blockers, ACE-inhibitors, angiotensin receptor antagonist/neprilysin inhibitors, glucagon-like peptide-1 agonists, sodium guanylate cyclase stimulators **Alberto Giannoni**
18:30 Discussion
19:00 End of the Second Day's Activities

Wednesday July 23th

09:15 Introduction **Raffaele De Caterina**

V SESSION- Valvular heart disease – From diagnosis to treatment

Chairmen: **Raffaele De Caterina, Marco De Carlo**

09:30 Aortic stenosis and transcatheter aortic valve implantation (TAVI): state of the art **Carlo Di Mario**

10:00 Transcatheter aortic valve implantation: a glimpse to the future
Alessandro Sticchi

10:30 Mitral transcatheter interventions: state of the art **Tullio Palmerini**

11:00 Discussion

11:30 Break

11:45 Tricuspid transcatheter interventions **Marco De Carlo**

12:15 Cardiovascular Imaging to Guide Interventions in Valvular Heart Disease
Cristina Giannini, Matteo Mazzola

12:45 Medical therapy and surgery for mitral and tricuspid regurgitation
Riccardo Liga

13:15 Discussion

13:45 End of Third Day's Activities



Thursday, July 24th

09:15 Introduction **Raffaele De Caterina and Emanuele Neri**

VI SESSION- Advanced cardiovascular imaging

Chairmen: **Raffaele De Caterina, Emanuele Neri**

09:30 Advanced imaging of vascular disease **Gabriele Masini**

10:00 Cardiac and lung ultrasound **Luna Gargani**

10:30 Discussion

11:00 Break

11:15 Cardiac computed tomography **Gianluca Pontone**

11:45 Nuclear cardiology **Duccio Volterrani** and **Alessia Gimelli**

12:15 Cardiac magnetic resonance imaging **Giovanni Donato Aquaro**

12:45 Discussion

13:15 Break

VII SESSION - Electrophysiology and Arrhythmias

Chairmen: **Marisa Carluccio, Raffaele De Caterina, Gino Grifoni, Giulio Zucchelli**

14:15 The electrophysiology study? How to find heart rhythm abnormalities
Raffaele De Lucia

14:45 Sudden death and cardiomyopathies: How to identify patients at risk
Stefano Viani

15:15 Treatments for ventricular tachycardias **Giulio Zucchelli**

15:45 Atrial cardiomyopathy: cause or bystander for future stroke? **Lin Yee Chen**

16:15 Discussion

16:45 Break

17:00 Atrial fibrillation: pathogenesis-guided anti-arrhythmic therapy **Luca Segreti**

17:30 Atrial fibrillation ablation: principles, techniques and results **Andrea Di Cori**

18:00 Current and forthcoming antithrombotic approaches **Raffaele De Caterina**

18:30 Discussion

19:00 End of the Fourth Day's Activities

Friday July 25th

VIII SESSION - Pulmonary Hypertension

Chairmen: **Laura Carrozzi, Raffaele De Caterina, Rosalinda Madonna**

- 09:00** Introduction and aims **Raffaele De Caterina, Laura Carrozzi, Rosalinda Madonna**
- 09:15** Pulmonary arterial hypertension: Definitions, classifications, diagnosis, risk stratification and treatment **Pietro Ameri**
- 09:45** Right heart catheterization and provocative tests for pulmonary hypertension (theoretical-practical lesson) **Michele D'Alto**
- 10:15** Pathophysiology of the right ventricle and pulmonary-vascular interactions **Fabio Guarracino**
- 10:45** Discussion
- 11:00** Break
- 11:15** Pulmonary hypertension from left heart failure: pathophysiology and therapy **Marco Guazzi**
- 11:45** Pulmonary arterial hypertension with rheumatologic diseases **Alessandra della Rossa**
- 12:15** Pulmonary hypertension secondary to lung disease **Roberta Pancani**
- 12:45** Chronic thromboembolic pulmonary disease and hypertension **Rosalinda Madonna**
- 13:15** Discussion
- 13:30** Completion of the ECM Questionnaire
- 13:45** Discussion of the Results of the Assessment Tests
- 14:00** Conclusion of Activities

Faculty

Giovanni Donato Aquaro (Pisa)
Pietro Ameri (Genova)
William Edward Boden (Boston)
Marisa Carluccio (Pisa)
Laura Carrozzi (Pisa)
Alberico Catapano (Milano)
Lin Yee Chen (Minnesota)
John Cleland (Glasgow)
Francesco Corradi (Pisa)
Michele D'alto (Napoli)
Marco De Carlo (Pisa)
Stefano Del Prato (Pisa)
Raffaele De Caterina (Pisa)
Raffaele De Lucia (Pisa)
Alessandra Della Rossa (Pisa)
Andrea Di Cori (Pisa)
Carlo Di Mario (Firenze)
Luigi Fontana (Sydney)
Luna Gargani (Pisa)
Lorenzo Ghiadoni (Pisa)
Cristina Giannini (Pisa)
Alberto Giannoni (Pisa)
Alessia Gimelli (Pisa)
Filippo Giorgi (Pisa)
Gino Grifoni (Pisa)
Fabio Guarracino (Pisa)
Marco Guazzi (Milano)
Riccardo Liga (Pisa)

Rosalinda Madonna (Pisa)
Gabriele Masini (Pisa)
Matteo Mazzola (Pisa)
Doralisa Morrone (Pisa)
Andrea Natali (Pisa)
Danilo Neglia (Pisa)
Emanuele Neri (Pisa)
Tullio Palmerini (Bologna)
Carlo Palombo (Pisa)
Roberta Pancani (Pisa)
Gianfranco Parati (Milano)
Pierpaolo Pellicori (Glasgow)
Maurizio Pieroni (Firenze)
Gianluca Pontone (Milano)
Nicola Riccardo Pugliese (Pisa)
Fabio Anastasio Recchia (Pisa)
Giuseppe Massimo Claudio Rosano (Roma)
Luca Segreti (Pisa)
Alessandro Sticchi (Pisa)
Stefano Taddei (Pisa)
Andrea Ungar (Firenze)
Stefano Viani (Pisa)
Gemma Vilahur (Barcellona)
Agostino Virdis (Pisa)
Duccio Volterrani (Pisa)
Carmine Zoccali (Pisa)
Giulio Zucchelli (Pisa)