

ORGANIZED BY



FONDAZIONE
INTERNAZIONALE
MENARINI



April 27TH - 29TH, 2017 • ATHENS, GREECE

**International Training Course
on Rare & Inherited
Cardiovascular Disease**

Zappeion Exhibition Hall

PRELIMINARY PROGRAMME

On behalf of the scientific committee and the Fondazione Internazionale Menarini, it is a great pleasure to welcome you to the ancient city of Athens and the first International training course on rare and inherited cardiovascular disease. There are between 6,000 and 8,000 known rare disorders and it is estimated that 1 in 17 of the general population will be affected by a rare disease at some point in their lives. Inherited cardiovascular conditions are a group of more than 50 disorders that include electrical, structural and vascular diseases that affect around 1 in 240 European citizens. In addition, many rare metabolic and neurological conditions are characterised by cardiovascular involvement that can be the major determinant of prognosis and quality of life.

The importance of rare conditions in general to the European research agenda is reflected in the priorities of national funding agencies and the European Commission Horizon 2020 programme. However, the planning and organization of national health services remains focused on all encompassing diagnoses such as heart failure and coronary artery disease that conceal a diverse and complex range of rare disorders which are frequently misdiagnosed or overlooked, resulting in poor medical care and potentially adverse consequences for individuals and families.

The aim of this meeting is to improve the education and training of cardiologists in the field of rare and genetic disorders and to prepare individual practitioners for the new era of personalized healthcare. With reference to our host country, the course is 'Socratic' in style with an emphasis on clinical questions to be answered by interactive discussion between attendees. We are enormously fortunate in having some of the World's greatest experts in our faculty and sincerely hope that you will use this great opportunity to ask questions and network with your peers.

We wish you a successful and enjoyable meeting.

Prof. Perry Elliott
President of the Meeting



PRESIDENT OF THE MEETING:

Prof. Perry Mark Elliott

CO-PRESIDENT OF THE MEETING:

Prof. Konstantinos Tsioufis

ORGANIZED BY:

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ATHENS HALL

NAXOS HALL

THURSDAY, APRIL 27TH

03:00 p.m. | 04:00 p.m.

Opening Ceremony

04:00 p.m. | 06:15 p.m.

CORE SESSION

06:15 P.M. | WELCOME COCKTAIL

FRIDAY, APRIL 28TH

08:00 a.m. | 09:50 a.m.

CORE SESSION

09:50 A.M. | COFFEE BREAK

10:20 a.m. | 12:50 p.m.

TRACK ONE

**Systemic diseases
with cardiovascular involvement**

10:20 a.m. | 12:50 p.m.

TRACK TWO

Rhythm

12:50 P.M. | LUNCH

02:00 p.m. | 03:50 p.m.

TRACK ONE

**Systemic diseases
with cardiovascular involvement**

02:00 p.m. | 03:50 p.m.

TRACK TWO

Rhythm

03:50 P.M. | COFFEE BREAK

04:15 p.m. | 05:30 p.m.

CORE SESSION

ECG Workshop

SATURDAY, APRIL 29TH

08:00 a.m. | 10:30 a.m.

TRACK THREE

Vessels & Valves

08:00 a.m. | 10:30 a.m.

TRACK FOUR

Muscle

10:30 A.M. | COFFEE BREAK

11:00 a.m. | 12:50 p.m.

TRACK THREE

Vessels & Valves

11:00 a.m. | 12:50 p.m.

TRACK FOUR

Muscle

12:50 P.M. | LUNCH

02:00 p.m. | 03:00 p.m.

CORE SESSION

03:00 p.m. | 04:30 p.m.

CORE SESSION

Live Demonstration

04:30 P.M. | CLOSING SUMMARY

PROGRAMME

Thursday, April 27th - Afternoon

ATHENS HALL

OPENING CEREMONY

Chairpersons: **A. Anastasakis** (Athens, GR), **P. Elliott** (London, UK),
A. Tsatsopoulou (Naxos, GR)

03:00 p.m. **D. Tousoulis** (Athens, GR) **K. Tsioufis** (Athens, GR)
Welcome addresses

03:20 p.m. **T. Voigtländer** (Vienna, A)
Main lecture: Rare disease in Europe

03:40 p.m. **P. Elliott** (London, UK)
Main lecture: Changing the cardiology paradigm

CORE SESSION (ALL ATTENDEES)

SESSION I • GENERAL APPROACHES TO THE DIAGNOSIS OF RARE/INHERITED CARDIOVASCULAR DISEASE 1: CLINICAL: A CONVERSATION WITH THE EXPERTS

Chairpersons: **A. Keren** (Jerusalem, IL), **W.J. McKenna** (London, UK)

04:00 p.m. **P. Elliott** (London, UK), **C. Rapezzi** (Bologna, I), **G. Sinagra** (Trieste, I)
Key Topics:

- What question should I ask?
- What should I look for?
- What are the red flags for a rare disease?

SESSION II • GENERAL APPROACHES TO THE DIAGNOSIS OF RARE/INHERITED DISEASE 2: PATHOLOGY

05:00 p.m. **E. Arbustini** (Pavia, I)
Future pathological classification of rare diseases

05:15 p.m. **C. Basso** (Padua, I), **S. Heymans** (Maastricht, NL)
A. Keren (Jerusalem, IL), **G. Thiene** (Padua, I)
Round table discussion

Participants: **G. Efthymiadis** (Thessaloniki, GR), **A. Patrianakos** (Heraklion, GR)
E. Prappa (Athens, GR), **K. Ritsatos** (Athens, GR)

06:15 p.m. WELCOME COCKTAIL

Friday, April 28th - Morning

ATHENS HALL

CORE SESSION (ALL ATTENDEES)

SESSION III • A PRIMER IN CLINICAL GENETICS FOR THE CARDIOLOGIST

Chairpersons: **J. Mogensen** (Odense, DK), **L. Monserrat** (La Coruña, E)
P. Syrris (London, UK)

08:00 a.m. **P. Charron** (Paris, FR)
How common are inherited cardiovascular disorders?

08:20 a.m. **E. Arbustini** (Pavia, I)
How does a family history and screening help me to make the diagnosis of a rare cardiovascular disease?

08:40 a.m. **D. Germain** (Paris, FR)
How do I interpret the results of genetics tests?

09:00 a.m. **Take Home Message / Discussion**

SESSION IV • GENERAL APPROACHES TO THE DIAGNOSIS OF RARE/ INHERITED DISEASE 3: NON-INVASIVE IMAGING

Chairpersons: **G. Athanasopoulos** (Athens, GR), **M. Kalantzi** (Athens, GR)

09:15 a.m. **J. Bogaert** (Leuven, B), **A. Linhart** (Prague, CZ)
P. Nihoyannopoulos (London, UK)
Key Topics:

- *When should I suspect a rare disease phenotype on echo?*
- *How can I use echocardiography to monitor patients with known rare disease?*
- *Are there specific rare disease diagnoses that can be made using CMR?*
- *What is the place of nuclear imaging in confirming the diagnosis of rare diseases?*

09:30 a.m. **A. Linhart** (Prague, CZ)
Summary

09:50 a.m. COFFEE BREAK

Friday, April 28th - Morning

ATHENS HALL

TRACK ONE: *Systemic diseases with cardiovascular involvement*

THE HEART IN NEUROMUSCULAR DISORDERS

Chairpersons: **G. Efthymiadis** (Thessaloniki, GR), **E. Iliodromitis** (Athens, GR)

Moderators: **P. Elliott** (London, UK), **D. Germain** (Paris, FR)

- 10:20 a.m. **J. R. Gimeno-Blanes** (Murcia, E)
How is the heart affected in common muscular dystrophies?
- 10:40 a.m. **A. Anastasakis** (Athens, GR)
What is the cardiologist's role in myotonic dystrophy?
- 11:00 a.m. **G. Limongelli** (Naples, I)
When should I suspect mitochondrial diseases?

THE HEART IN METABOLIC AND STORAGE DISEASES

- 11:20 a.m. **M. Arad** (Ramat Gan, IL)
How do I diagnose glycogen storage disorders in children and adults?
- 11:40 a.m. **D. Farmakis** (Athens, GR)
How is the heart affected in disorders of Iron Metabolism?
- 12:00 p.m. **A. Linhart** (Prague, CZ)
How do lysosomal storage disorders affect the heart?
- 12:20 p.m. **Take Home Message / Discussion**
- 12:50 p.m. LUNCH



Friday, April 28th - Morning

NAXOS HALL

TRACK TWO: *Rhythm*

ION CHANNEL DISEASE

Chairpersons: **S. Sharma** (London, UK) **F. Tryposkiadis** (Larissa, GR)

Moderators: **P. Garcia-Pavia** (Madrid, E), **P. Syrris** (London, UK)

10:20 a.m. **L. Crotti** (Pavia, I)
How do I diagnose and treat long and short QT syndrome?

10:50 a.m. **P. Lambiase** (London, UK)
What is Brugada syndrome and CPVT? How do I stratify risk?

DISORDERS OF THE ATRIA AND SPECIALIZED CONDUCTION SYSTEM

11:20 a.m. **Y. Pinto** (Amsterdam, NL)
What are the diagnostic red flags for rare forms of AV Block?

11:40 a.m. **I. Olivotto** (Florence, I)
Is atrial fibrillation a mask for rare disorders?

12:00 p.m. **E. Rowland** (London, UK)
When should I diagnose tachycardiomyopathy?

12:20 p.m. **Take Home Message / Discussion**

12:50 p.m. LUNCH

Friday, April 28th - Afternoon

ATHENS HALL

TRACK ONE: *Systemic diseases with cardiovascular involvement*

INFLAMMATORY & INFILTRATIVE AND STORAGE DISEASES

Chairpersons: **P.G. Camici** (Milan, I), **A. Tsatsopoulou** (Naxos, GR)

Moderators: **C. Basso** (Padua, I), **A. Keren** (Jerusalem, IL)

| | |
|------------|---|
| 02:00 p.m. | C. Rapezzi (Bologna, I) <i>When should I suspect amyloidosis?</i> |
| 02:20 p.m. | G. Sinagra (Trieste, I) <i>What are the clinical red flags for myocarditis?</i> |
| 02:40 p.m. | S. Heymans (Maastricht, NL) <i>How do I confirm the diagnosis of myocarditis?</i> |
| 03:00 p.m. | A. Caforio (Padua, I) <i>How do I manage therapy in myocarditis?</i> |
| 03:20 p.m. | Take Home Message / Discussion |
| 03:50 p.m. | COFFEE BREAK |

NAXOS HALL

TRACK TWO: *Rhythm*

PREVENTING SUDDEN CARDIAC DEATH

Chairpersons: **F. Cecchi** (Florence, I), **K. Gatzoulis** (Athens, GR)

Moderators: **A. Anastasakis** (Athens, GR), **M. Borggrefe** (Mannheim, D)

| | |
|------------|---|
| 02:00 p.m. | P. Lambiase (London, UK) <i>How do I select and manage ICDs in patients with inherited disease?</i> |
| 02:20 p.m. | S. Sharma (London, UK) <i>How do I prevent sudden death in athletes?</i> |
| 02:40 p.m. | W. J. McKenna (London, UK) <i>How do I manage families of sudden death victims?</i> |
| 03:00 p.m. | P. Elliott (London, UK) <i>How do I predict sudden death risk in hypertrophic cardiomyopathy?</i> |
| 03:20 p.m. | Take Home Message / Discussion |
| 03:50 p.m. | COFFEE BREAK |

Friday, April 28th - Afternoon

ATHENS HALL

CORE SESSION (ALL ATTENDEES)

SESSION V • ECG WORKSHOP

Chairpersons: **D. Katritsis** (Athens, GR), **P. Lambiase** (London, UK)

Demonstrators: **M. Borggrefe** (Mannheim, D), **E. Rowland** (London, UK)

04:15 p.m.

Workshop

05:30 p.m.

End of session

Saturday, April 29th - Morning

ATHENS HALL

TRACK THREE: *Vessels & Valves*

PULMONARY CIRCULATION

Chairpersons: **F. Parthenakis** (Heraklion, GR), **C. Vlachopoulos** (Athens, GR)

Moderators: **G. Limongelli** (Naples, I), **C. Rapezzi** (Bologna, I)

08:00 a.m. **A. Torbicki** (Warsaw, PL)
How do I make the diagnosis of pulmonary hypertension and determine its cause?

08:30 a.m. **E. Bossone** (Salerno, I)
How do I manage different types of pulmonary hypertension?

AORTIC DISEASE

09:00 a.m. **E. Arbustini** (Pavia, I)
When should I consider a genetic test in patients with aortic dissection?

09:20 a.m. **A. Evangelista** (Barcelona, E)
How do I make the clinical diagnosis of Marfan's syndrome?

09:40 a.m. **R. Erbel** (Essen, D)
How do I prevent and manage vascular complications in connective vascular disorders?

10:00 a.m. **Take Home Message / Discussion**

10:30 a.m. COFFEE BREAK

COMMON CONGENITAL ANOMALIES

Chairpersons: **K. Toutouzas** (Athens, GR), **A. Tzifa** (Athens, GR)

Moderators: **G. Athanasopoulos** (Athens, GR), **C. Rapezzi** (Bologna, I)

11:00 a.m. **S. Sharma** (London, UK)
When should I worry about anomalous coronary arteries?

11:20 a.m. **G. Limongelli** (Naples, I)
How should I assess patients with bicuspid aortic valves?

11:40 a.m. **J. Mogensen** (Odense, DK)
How do I diagnose left ventricular non-compaction?

12:00 p.m. **B. Marino** (Rome, I)
Why should I worry about genetics in a patient with congenital heart disease?

12:20 p.m. **Take Home Message / Discussion**

12:50 p.m. LUNCH

Saturday, April 29th - Afternoon

NAXOS HALL

TRACK FOUR: Muscle

HYPERTROPHIED HEARTS

Chairpersons: **G. Limongelli** (Naples, I), **D. Tousoulis** (Athens, GR)

Moderators: **J. Gimeno-Blanes** (Murcia, E), **A. Linhart** (Prague, CZ)

08:00 a.m. **I. Olivotto** (Florence, I)
What are the causes of a thick heart?

08:20 a.m. **A. Keren** (Jerusalem, IL)
How do I assess the cause of symptoms in hypertrophic cardiomyopathy?

08:40 a.m. **F. Cecchi** (Florence, I)
How do I manage left ventricular outflow tract obstruction?

DILATED HEARTS

09:00 a.m. **P. Elliott** (London, UK)
When should I suspect a rare cause of systolic heart failure?

09:20 a.m. **L. Monserrat** (La Coruña, E)
How does the treatment of genetic forms of dilated cardiomyopathy differ from consensus guidelines?

09:40 a.m. **A. Anastasakis** (Athens, GR)
What is hypokinetic non-dilated cardiomyopathy?

10:00 a.m. **Take Home Message / Discussion**

10:30 a.m. COFFEE BREAK

RARE HEARTS

Chairpersons: **M. Arad** (Ramat Gan, IL), **P. Nihoyannopoulos** (London, UK)

Moderators: **J. Gimeno-Blanes** (Murcia, E), **A. Torbicki** (Warsaw, PL)

11:00 a.m. **A. Keren** (Jerusalem, IL)
What are the causes of restrictive cardiomyopathy?

11:20 a.m. **P. Garcia-Pavia** (Madrid, E)
What is peripartum cardiomyopathy?

11:40 a.m. **C. Basso** (Padua, I)
When should I suspect cardiac sarcoidosis?

12:00 p.m. **G. Thiene** (Padua, I)
When should I suspect cardiac malignancy?

12:20 p.m. **Take Home Message / Discussion**

12:50 p.m. LUNCH

Saturday, April 29th - Afternoon

ATHENS HALL

CORE SESSION (ALL ATTENDEES)

SESSION VI • DISEASE OF THE RIGHT VENTRICLE

Chairpersons: **J. Gimeno-Blanes** (Murcia, E), **C. Tsioufis** (Athens, GR)

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|------------|---|
| 02:00 p.m. | P. Nihoyannopoulos (London, UK) <i>How do I image the right ventricle?</i> |
| 02:20 p.m. | A. Tsatsopoulou (Naxos, GR) <i>How do I diagnose and manage arrhythmogenic right ventricular cardiomyopathy?</i> |
| 02:40 p.m. | G. Sinagra (Trieste, I) <i>Important mimics not to miss in suspected arrhythmogenic right ventricular cardiomyopathy?</i> |

SESSION VII • LIVE DEMONSTRATION OF HEARTS WITH INTEGRATED CASE DEMONSTRATIONS

Chairpersons: **A. Linhart** (Prague, CZ), **C. Spiliopoulou** (Athens, GR)

Demonstrators: **C. Basso** (Padua, I), **G. Thiene** (Padua, I)

| | |
|------------|--|
| 03:00 p.m. | Live Demonstration |
| 04:00 p.m. | Discussion |
| 04:30 p.m. | P. Elliott (London, UK) <i>Closing Summary</i> |

FACULTY LIST

Aris Anastasakis (Athens, Greece)

Michal Arad (Ramat Gan, Israel)

Eloisa Arbustini (Pavia, Italy)

Georgios Athanasopoulos (Athens, Greece)

Cristina Basso (Padua, Italy)

Jan Bogaert (Leuven, Belgium)

Martin Borggrefe (Mannheim, Germany)

Eduardo Bossone (Salerno, Italy)

Alida Caforio (Padua, Italy)

Paolo G. Camici (Milan, I)

Franco Cecchi (Florence, Italy)

Philippe Charron (Paris, France)

Lia Crotti (Pavia, Italy)

Georgios Efthymiadis (Thessaloniki, Greece)

Perry Elliott (London, United Kingdom)

Raimund Erbel (Essen, Germany)

Arturo Evangelista (Barcelona, Spain)

Dimitrios Farmakis (Athens, Greece)

Pablo Garcia-Pavia (Madrid, Spain)

Konstantinos Gatzoulis (Athens, Greece)

Dominique Germain (Paris, France)

Juan Ramon Gimeno-Blanes (Murcia, Spain)

Stephen Heymans (Maastricht , Netherland)

Efstathios Iliodromitis (Athens, Greece)

Maria Kalantzi (Athens, Greece)

Demos Katritsis (Athens, Greece)

Andre Keren (Jerusalem, Israel)

Pier Lambiase (London, United Kingdom)

Giuseppe Limongelli (Naples, Italy)

Ales Linhart (Prague , Czech Republic)

Bruno Marino (Rome, Italy)

William J. McKenna (London, United Kingdom)

Jens Mogensen (Odense, Denmark)

Lorenzo Monserrat (La Coruña, Spain)

Petros Nihoyannopoulos (London, United Kingdom)

Iacopo Olivotto (Florence, Italy)

Fragkiskos Parthenakis (Heraklion, Greece)

Alexandros Patrianakos (Heraklion, Greece)

Yigal Pinto (Amsterdam, Netherland)

Efstathia Prappa (Athens, Greece)

Claudio Rapezzi (Bologna, Italy)

Konstantinos Ritsatos (Athens, Greece)

Edward Rowland (London, United Kingdom)

Sanjay Sharma (London, United Kingdom)

Gianfranco Sinagra (Trieste, Italy)

Chara Spiliopoulou (Athens, Greece)

Petros Syrris (London, United Kingdom)

Gaetano Thiene (Padua, Italy)

Adam Torbicki (Warsaw, Poland)

Dimitrios Tousoulis (Athens, Greece)

Konstantinos Toutouzas (Athens, Greece)

Filippos Tryposkiadis (Larissa, Greece)

Adalena Tsatsopoulou (Naxos, Greece)

Konstantinos Tsioufis (Athens, Greece)

Afroditi Tzifa (Athens, Greece)

Charalambos Vlachopoulos (Athens, Greece)

Till Voigtlander (Vienna, Austria)

GENERAL INFORMATION

MEETING VENUE

The venue for the Meeting will be "Zappeion Exhibition Hall"
Leof. Vasilissis Olgas - Athens (Greece)

SECRETARIAT DURING THE MEETING

The Secretariat will be open at the following times:

Thursday, April 27th 2017 - from 02:00 p.m. to 08:00 p.m.

Friday, April 28th 2017 - from 07:30 a.m. to 05:30 p.m.

Saturday, April 29th 2017 - from 07:30 a.m. to 05:00 p.m.

OFFICIAL LANGUAGE

The official language of the Meeting will be English.

EACCME

An application has been made to the EACCME for CME accreditation of this event.

REGISTRATION

Please register to www.athenscardiovascularisease.com **within April 5th 2017.**

For more information feel free to contact:

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Email: fschiassi@duecipromotion.com - afrignani@duecipromotion.com

TECHNICAL FACILITIES

Facilities will be available for computer presentations and overhead projections. A slide center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentation to the slide center at least one hour before the session starts.

The slide center will be open at the following times:

Thursday, April 27th 2017 - from 11:00 a.m. to 08:00 p.m.

Friday, April 28th 2017 - from 07:30 a.m. to 05:30 p.m.

Saturday, April 29th 2017 - from 07:30 a.m. to 05:00 p.m.

LUNCHES AND COFFEE BREAKS

Lunches and coffee breaks will be served in the Meeting area.

