



FONDAZIONE
INTERNAZIONALE
MENARINI



New approaches to cardiovascular diseases: from ion channels to bedside

Erice (Trapani, Italy), November 4th – 6th, 2010

Organized by

DEPARTMENT OF CARDIOLOGY
UNIVERSITY OF ROME "LA SAPIENZA"

DEPARTMENT OF PHARMACOLOGY
UNIVERSITY OF FLORENCE

DIVISION OF CARDIOLOGY – UNIVERSITY HOSPITAL "P. GIACCONE"
UNIVERSITY OF PALERMO

and

FONDAZIONE INTERNAZIONALE MENARINI

PROGRAM

Ettore Majorana Foundation
Centre for Scientific Culture
(Via Guarnotta, 6)

Cardiovascular diseases represent the most important cause of death in Europe, and are associated with relevant morbidity and increasing economic costs.

The present Course will be devoted to foster a deeper knowledge of the pathophysiology, diagnosis and therapy of three cardiovascular pathological conditions of utmost importance: ischemic heart diseases, arrhythmias, and heart failure.

Chronic stable angina is by large the most common clinical presentation of coronary diseases. The prevalence of the disease increases as a function of age in both sexes, reaching 10-15% among women and 15-20% in men aged 65-74 years. Similar concepts can be applied to some arrhythmias (for example atrial fibrillation) and to heart failure.

The aim of the course is to present the molecular basis of these diseases, with special reference to the emerging knowledge on the physiopathology of cardiac ion channels, to define a correct clinical approach to the patient, and finally to discuss the rationale and appropriate use of the new pharmacological interventions.

*Proff. F. Fedele, A. Mugelli, S. Novo
Co-Presidents of the Course*

Co-Presidents

F. Fedele

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Organizing Secretariat

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Opening ceremony

- 18.00 **Welcome addresses**
F. Fedele, A. Mugelli, S. Novo
- 18.15 ***Main Lecture***
C.R. Conti (Gainesville – FL, USA)
From calcium channels blockers to late sodium inhibitors
- 18.45 Welcome cocktail

Session I – (Ischemic Syndromes) Pathophysiology

Chairpersons: **G. Ambrosio** (Perugia, I)
W. Chilian (Rootstown - OH, USA)

- 09.00 **E. Cerbai** (Florence, I)
Regulation of cellular sodium and calcium
- 09.30 **A. Mugelli** (Florence, I)
Pathophysiology of enhanced late sodium current
- 10.00 **P.N. Marino** (Novara, I)
Pathophysiology of chronic angina: role of extracoronary resistances and the coronary circulation
- 10.30 **W. Chilian** (Rootstown - OH, USA)
Pathophysiology of the Cardiac Diseases: is there a role for microvascular dysfunction in heart failure
- 11.00 *Coffee break*

Session II – Diagnosis

Chairpersons: **M. Penco** (L'Aquila, I)
S. Novo (Palermo, I)

- 11.30 **F. Romeo** (Rome, I)
Invasive and non invasive assessment of coronary perfusion
- 12.00 **S. Iliceto** (Padua, I)
Diagnostic tools of myocardial ischemia
- 12.30 **C. Bucciarelli Ducci** (London, UK)
Clinical-instrumental assessment of anti-ischemic therapy
- 13.00 Lunch

Session III – Therapy

- Chairpersons: **M. Marzilli** (Pisa, I)
C.J. Pepine (Gainesville - FL, USA)
- 14.30 **C.J. Pepine** (Gainesville - FL, USA)
Revascularization procedures versus drug therapy
- 15.00 **J. Tamargo** (Madrid, E)
MOA of old and new antianginal drugs
- 15.30 **H. Purcell** (London, UK)
From late sodium current to clinical efficacy
- 16.00 *Coffee break*
- 16.30 **P.A. Merlini** (Milan, I)
From clinical efficacy to clinical evidence
- 17.00 **F. Fedele** (Rome, I)
Mechanisms underlying anti-ischemic effects of antianginal drugs
- 17.30 **A. Galluzzo** (Palermo, I)
Metabolic effects of antianginal drugs

Session IV – Arrhythmias

Chairpersons: **P.J. Schwartz** (Pavia, I)

A. Capucci (Ancona, I)

08.30 **P.J. Schwartz** (Pavia, I)
Will "modifier genes" impact on risk stratification and management of patients with cardiac arrhythmias?

09.00 **U. Ravens** (Dresden, D)
Cellular mechanisms of cardiac arrhythmias

09.30 **C.A. Remme** (Amsterdam, NL)
Sodium channelopathies

10.00 **A. Capucci** (Ancona, I)
Anti-arrhythmic agents for management of atrial fibrillation

10.30 **R. De Ponti** (Varese, I)
Anti-arrhythmic agents for management of ventricular tachycardias

11.00 *Coffee break*

Session V – Heart Failure

Chairpersons: **L. Dei Cas** (Brescia, I)

F. Follath (Zurich, CH)

11.30 **D.L. Brutsaert** (Antwerp, B)
Pathophysiology of heart failure

12.00 **M. Gheorghiade** (Chicago - IL, USA)
Management of systolic dysfunction

12.30 **M. Metra** (Brescia, I)
Management of diastolic dysfunction

13.00 **L. Maier** (Goettinger, D)
New lusitropic agents

13.30 Concluding remarks

13.45 *Lunch*

GENERAL INFORMATION

Course venue

The venue will be Ettore Majorana Foundation and Centre for Scientific Culture,
Via Guanotta 26, 91016 Erice (Trapani, Italy).
Tel.: +39 0923 869122 - Fax: +39 0923 869226.

Secretariat

The Secretariat will be open at the following times:
Thursday, November 4th, from 05.00 p.m. to 07.00 p.m.
Friday, November 5th, from 08.00 a.m. to 06.00 p.m.
Saturday, November 6th, from 08.00 a.m. to 01.00 p.m.

Official language

The official language will be English.

CME Credits

CME Credits will be applied for from the Italian Health Authorities.

Technical facilities

Facilities will be available for computer presentations and overhead projections.
A business 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 business center at least one hour before the session starts.
The center will be open at the following times:
Thursday, November 4th, from 05.00 p.m. to 07.00 p.m.
Friday, November 5th, from 08.00 a.m. to 06.00 p.m.
Saturday, November 6th, from 08.00 a.m. to 01.00 p.m.

Lunches and coffee breaks

Lunches and coffee breaks will be served.

Abstracts book

Participants will receive the Abstract book at the Course.

LIST OF CHAIRMEN, SPEAKERS AND CO-PRESIDENTS OF THE COURSE

Giuseppe Ambrosio

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