



FONDAZIONE
INTERNAZIONALE
MENARINI

WORKSHOP

**HEART FAILURE WITH
PRESERVED EJECTION FRACTION:
Lessons Learned
and Directions Forward Future Therapies**

Bergamo (Italy), June 14th - 16th, 2012

Organized by

OSPEDALI RIUNITI BERGAMO

Cardiovascular Department

Fondazione per la Ricerca Ospedale Maggiore

and

MEDICAL UNIVERSITY GRAZ

Department of Cardiology &

Ludwig-Boltzmann-Institute for
Translational Heart Failure Research

and

FONDAZIONE INTERNAZIONALE MENARINI

PROGRAM

Villa Gallarati Scotti
Oreno (Italy)



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Courtesy of the author Dr. Donatella Bemporad. Painting entitled "Refill in the Villa"

The management of chronic HF with reduced ejection fraction has significantly improved over the last 2 decades, but no real progress has been made in HFpEF. Despite the high prevalence, mortality, and cost of HFpEF, large phase III international clinical trials investigating interventions to improve HFpEF outcomes have yielded disappointing results. Therefore, treatment of HFpEF remains largely empiric, and almost no acknowledged standards exist. There is no single explanation for the negative results of past HFpEF trials. Concerns are mainly related to incomplete understanding of HFpEF pathophysiology, mechanism of action of study drug, suboptimal study design, target patient population, and suboptimal center selection for trial conduct.

The Workshop "Heart failure with preserved ejection fraction: lessons learned and directions forward future therapies" will feature up-to date presentations on pharmacological and non-pharmacological interventions to improve HFpEF outcomes.

The Workshop program format includes epidemiologic aspects, diagnostic tools, lessons learnt from the past, with particular focus on new drugs and the design of effective and efficient trials in order to improve outcomes in HFpEF.

The perspective of the Workshop devoted to HFpEF will be: a) to summarise the current state of therapies and management concepts for HFpEF; b) to discuss why recent trials may have failed and how future trials in this field should be designed; and c) analyse recent data on novel therapeutic strategies. All attendants are internationally renowned experts in their fields. A summary of the results of the workshop will be published.

Michele Senni, Antonello Gavazzi, Burkert M. Pieske



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Under the Auspices of



Federazione Italiana di Cardiologia



Heart Failure Association of the
European Society of Cardiology

Scientific Secretariat

Michele Senni, Antonello Gavazzi
Cardiovascular Department
Ospedali Riuniti - Bergamo (Italy)

Burkert M. Pieske
Department of Cardiology &
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Organizing Secretariat

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Opening and Introduction

14.00 **Welcome address and Introduction**
Michele Senni, Antonello Gavazzi (Bergamo, I)
and **Burkert M. Pieske** (Graz, A)

Chairman: **Stefan Anker** (Berlin, D)

14.15 **Key Lecture I**
Daniel Levy (Boston, USA)
HFpEF: definition, risk and epidemiology

14.45 **Key Lecture II**
Michael Frenneaux (Aberdeen, UK)
Diagnostic criteria for HFpEF: similar or different
for Consensus and Clinical Randomized Trials?

15.15 *Coffee break*

Session I How to target therapy to specific subgroup of patients

Chairpersons: **Alan G. Fraser** (Cardiff, UK)
Michele Emdin (Pisa, I)

15.30 **James Fang** (Cleveland, USA)
Do we need individualized diagnostic and etiologic criteria?

15.50 Discussant: **Stefan Anker** (Berlin, D)

15.55 **Alan G. Fraser** (Cardiff, UK)
Can we use imaging parameters for therapeutic decisions?

16.15 Discussant: **Scott D. Solomon** (Boston, USA)

16.20 **Ken McDonald** (Dublin, IRL)
Can we use biomarkers for prediction of therapeutic
effectiveness?

16.40 Discussant: **Michael Fu** (Göteborg, SW)

16.45 General Discussion with Speakers and Discussants

19.00 *Welcome party*

Session II The large trials: did they really fail, and why?

Chairpersons: **Otto A. Smiseth** (Oslo, N)
Piotr Ponikowski (Wroklaw, PL)

08.00 **Andrew J.S. Coats** (Norwich, UK)
RAS Inhibition in HFpEF: concepts and misconcepts

08.20 Discussant: **Piotr Ponikowski** (Wroklaw, PL)

08.25 **Marco Metra** (Brescia, I)
Beta-Blockers in HFpEF: evidence from trials or meta-analysis?

08.45 Discussant: **Andrew J.S. Coats** (Norwich, UK)

08.50 **Scott D. Solomon** (Boston, USA)
Why the large trials have possibly failed

09.10 Discussant: **James Fang** (Cleveland, USA)

09.15 General Discussion with Speakers and Discussants

09.45 *Coffee break*

Session III Emerging therapies I: targeting the heart

Chairpersons: **Gianni Cioffi** (Trento, I)

Scott Hummel (Ann Arbor, USA)

10.45 **Marco Guazzi** (Milan, I)

PDE5-Inhibition: from theory to RELAX trial

11.05 Discussant: **Selma Mohammed** (Rochester, USA)

11.10 **Walter J. Paulus** (Amsterdam, NL)

PKG-Stimulation

11.30 Discussant: **Attila Borbely** (Debrecen, HU)

11.35 **Michele Senni** (Bergamo, I)

Late Na channel blockers: improving relaxation and coronary microcirculation?

11.55 Discussant: **Giuseppe Ambrosio** (Perugia, I)

12.00 **Pierre V. Ennezat** (Lille, F)

Functional mitral regurgitation and preserved ejection fraction

12.20 Discussant: **Mauro Gori** (Bergamo, I)

12.25 General Discussion with Speakers and Discussants

13.00 *Lunch*

Session IV Emerging Therapies II: the Periphery

Chairpersons: **Dirk L. Brutsaert** (Antwerp, B)

Michael Fu (Göteborg, SW)

15.00 **Piotr Ponikowski** (Wroklaw, PL)

New anabolics and IV iron therapy in HFpEF

15.20 Discussant: **Massimo Piepoli** (Piacenza, I)

15.25 **William Little** (Winston-Salem, USA)

Optimizing vascular coupling and endothelial function

15.45 Discussant: **Carsten Tschöpe** (Berlin, D)

15.50 **Walter J. Paulus** (Amsterdam, NL)

Optimizing metabolic control: any effects?

Discussant: **Roberto Trevisan** (Bergamo, I)

16.15 **Scott Hummel** (Ann Arbor, USA)

Improving renal function and fluid homeostasis

16.35 Discussant: **Giuseppe Remuzzi** (Bergamo, I)

16.40 General Discussion with Speakers and Discussants

**Session V Emerging Therapies III:
the extracellular matrix & devices**

Chairpersons: **Antonello Gavazzi** (Bergamo, I)
Carolyn Lam (Singapore, SG)

- 17.00 **Javier Diez** (Pamplona, E)
Matrix alterations in HFpEF
- 17.20 Discussant: **Ken McDonald** (Dublin, IRL)
- 17.25 **Marc Pfeffer** (Boston, USA)
Aldosterone receptor blockade:
from theory to Aldo-DHF & Topcat
- 17.45 Discussant: **Frank Edelmann** (Göttingen, D)
- 17.50 **Otto A. Smiseth** (Oslo, N)
Inhomogeneities in relaxation and filling-role
for resynchronization?
- 18.10 Discussant: **Alan G. Fraser** (Cardiff, UK)
- 18.15 **Gaetano De Ferrari** (Pavia, I)
Parasympathetic modulation
- 18.35 Discussant: **Erwan Donal** (Rennes, F)
- 18.40 General Discussion with Speakers and Discussants

Session VI Acute heart failure and preserved ejection fraction

Chairpersons: **Andrea Di Lenarda** (Trieste, I)
Mihai Gheorghiade (Chicago, USA)

- 08.00 **Gerasimos Filippatos** (Athens, GR)
Epidemiological and diagnostic insights: defining the target
population
- 08.20 Discussant: **Fabrizio Oliva** (Milan, I)
- 08.25 **Theresa A. McDonagh** (London, UK)
Peculiarities in the treatment of acute HFpEF patients
- 08.45 Discussant: **Hans Peter Brunner La Rocca** (Maastricht, NL)
- 08.50 **Mihai Gheorghiade** (Chicago, USA)
Challenges in acute HFpEF Trials
- 09.10 Discussant: **Aldo Maggioni** (Florence, I)
- 09.15 General Discussion with Speakers and Discussants
- 09.35 *Coffee break*

Session VII Perspectives for the future in chronic HFpEF: ways to go

Chairpersons: **Antonello Gavazzi** (Bergamo, I)
Michael Frenneaux (Aberdeen, UK)

- 10.00 **Carolyn Lam** (Singapore, SG)
Sex differences in HFpEF?
- 10.20 Discussant: **Renata De Maria** (Milan, I)
- 10.25 **Burkert M. Pieske** (Graz, A)
Non pharmacologic interventions: exercise training and beyond
Discussant: **William Little** (Winston-Salem, USA)
- 10.50 **Dirk Van Veldhuisen** (Groningen, NL)
Surrogate end-points in future phase II RCT?
- 11.10 Discussant: **Gerasimos Filippatos** (Athens, GR)
- 11.15 **Aldo Maggioni** (Florence, I)
Which end-point in phase III RCT?
- 11.35 Discussant: **Scott D. Solomon** (Boston, USA)
- 11.40 General Discussion with Speakers and Discussants

Saturday, June 16th, 2012 - Morning

Session VIII Learning from invasive hemodynamic studies

Chairman: **Burkert M. Pieske** (Graz, A)

12.00 **Eva Prokopczuk** (Foster City, USA)

The RALI-DHF study in details

12.15 Discussant: **William Little** (Winston-Salem, USA)

12.20 **Michele Senni** (Bergamo, I)

REFILL trial protocol

12.35 General Discussion with Speakers and Discussant

Chairman: **Daniel Levy** (Boston, USA)

13.00 **Key Lecture III**

Marc Pfeffer (Boston, USA)

Where will we go in HFpEF management - my personal view

13.30 **Concluding Remarks**

Michele Senni (Bergamo, I), **Antonello Gavazzi** (Bergamo, I)
and **Burkert M. Pieske** (Graz, A)

GENERAL INFORMATION

Workshop venue

The venue for the Workshop will be Villa Gallarati Scotti, Oreno (Italy).

Secretariat during the Workshop

The Secretariat will be open at the following times:

Thursday, June 14th, from 01.30 p.m. to 07.00 p.m.

Friday, June 15th, from 07.45 a.m. to 06.30 p.m.

Saturday, June 16th, from 08.00 a.m. to 01.30 p.m.

Official language

The official language of the Workshop will be English.

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, June 14th, from 12.00 p.m. to 07.00 p.m.

Friday, June 15th, from 07.30 a.m. to 06.30 p.m.

Saturday, June 16th, from 07.30 a.m. to 01.30 p.m.

Lunches and coffee breaks

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

LIST OF CHAIRMEN, SPEAKERS, DISCUSSANTS AND SCIENTIFIC SECRETARIES OF THE WORKSHOP

Giuseppe AMBROSIO

University of Perugia School of Medicine
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Maastricht (The Netherlands)

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University of Antwerp
Antwerp (Belgium)

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Fondazione I.R.C.C.S. Policlinico San Matteo
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