

13th Meeting of the Working Group on Myocardial and Pericardial Diseases of the European Society of Cardiology

October, 13 – 15, 2016
Rostock-Warnemünde



13th Meeting of the ESC
Working Group on Myocardial
and Pericardial Diseases



Organizing Committee:

Prof. S. Felix, Prof. A. Caforio, Prof. A. Linhart

Organizer: C.T.I. GmbH

Location: Hotel Hohe Düne



**FROM THE SYMPOSIUM DIRECTORS AND THE
CHAIRPERSON OF THE MYOCARDIAL AND
PERICARDIAL DISEASE WORKING GROUP OF THE
EUROPEAN SOCIETY OF CARDIOLOGY**

Dear colleagues,

It is a particular pleasure for us to welcome you to the 13th Meeting of the Myocardial and Pericardial Diseases Working Group of the European Society of Cardiology, to be held in Warnemuende on October 13 – 15, 2016.

Cardiomyopathies and pericardial diseases increasingly occupy cardiologists in clinical and general practice. The diagnostic spectrum of these diseases has markedly expanded during the last decade and encompasses imaging, histology, immunology, genetics and molecular biology. Likewise, treatment of cardiomyopathies is still a major challenge for the attending physicians and requires further research efforts.

For the program of this meeting, we tried to balance between basic and clinical science and we also considered the broad field of diagnostics and therapy of heart failure. As in the previous meetings of our working group, the main program is preceded by practice-oriented **Mini-courses** with **How-to sessions** and case study presentations. Again, novel options in clinical and basic research such as next generation genetic testing, non-coding genome in myocar-

dial disease, gene therapy and innovative pharmacological approaches for heart failure treatment as well as device therapy will be discussed. The congress program will cover all relevant practical and scientific aspects of this challenging field including introduction of innovative diagnostic and therapeutic procedures. We hope that the broad range of topics will attract the interest of a wide audience, including physicians, clinical researchers, cardiologists, pathologists, basic scientists, and young investigators. The congress also aims to stimulate further research in the topics of our Working group.

We cordially welcome you to the meeting in Warnemünde and wish all of you informative and exciting days as well as open and stimulating discussions and new insights for all research activities and the mutual care of our patients.

We look forward to seeing you in Warnemuende at the coast of the Baltic Sea in October.

Prof. S. Felix

Prof. A. L. P. Caforio

Prof. A. Linhart



Program

Day 1 • 13 October 2016

1st floor

12:00–14:00 **Nucleus Meeting of WG on Myocardial and Pericardial Disease**

08:30–16:30 Concurrent minicourses:

How-to session for young cardiologists: Differential diagnosis and management in the cardiomyopathies (extra educational mini-course 1)

Chairs: *E. Biagini, A. Linhart*

08:30–08:50 **A clinical case of sarcomeric HCM – How to reach the diagnosis and how to manage**

A. Milandri

08:50–09:10 Interactive discussion with the audience and chairs

09:10–09:30 **Guidance to genetic analysis and genetic counseling**

L. Monserrat

09:30–09:50 Interactive discussion with the audience and chairs

09:50–10:10 **The red flags approach in sarcomeric HCM: Take home messages**

E. Biagini

10:10–10:30 Coffee break

2nd floor

10:30–10:50 **A clinical case of non-sarcomeric HCM – How to reach the diagnosis**

D. Rob

10:50–11:10 Interactive discussion with the audience and chairs

11:10–11:30 **A clinical case of non sarcomeric HCM – How to manage**

J. Marek

11:30–11:50 Interactive discussion with the audience and chairs

11:50–12:10 **The red flags approach in non-sarcomeric HCM: Take home messages**

A. Linhart

12:10–13:00 Lunch

Chairs: *P. Garcia-Pavia, A. Keren*

13:00–13:20 **A clinical case of restrictive familial cardiomyopathy – How to reach the diagnosis**

E. Gonzalez-Lopez

13:20–13:40 Interactive discussion with the audience and chairs



Program

Day 1 • 13 October 2016

2nd floor

- 13:40–14:00 **A clinical case of restrictive familial cardiomyopathy – How to manage**
E. Gonzalez-Lopez
- 14:00–14:20 Interactive discussion with the audience and chairs
- 14:20–14:40 **The red-flag approach in restrictive familial cardiomyopathy: Take home messages**
P. Garcia-Pavia
- 14:40–15:00 **A clinical case of restrictive non-familial cardiomyopathy – How to reach the diagnosis**
A. Turyan Medvedovsky
- 15:00–15:20 Interactive discussion with the audience and chairs
- 15:20–15:40 **A clinical case of restrictive non-familial cardiomyopathy – How to manage**
A. Turyan Medvedovsky
- 15:40–16:00 Interactive discussion with the audience and chairs
- 16:00–16:20 **The red flags approach in restrictive non-familial cardiomyopathy: Take home messages**
A. Keren

How-to session for young cardiologists: Interventional procedures in inflammatory / infectious myocardial and pericardial disease
(extra educational minicourse 2)

Chairs: M. Imazio, A. Ristic

- 08:30–08:50 **A clinical case of Cardiac tamponade – How to reach the diagnosis**
I. Milinkovic
- 08:50–09:10 Interactive discussion with the audience and chairs
- 09:10–09:30 **A clinical case of Cardiac tamponade – How to manage**
I. Milinkovic
- 09:30–09:50 Interactive discussion with the audience and chairs
- 09:50–10:10 **Cardiac tamponade and pericardial biopsy: Take home messages from the interventional cardiologist**
A. Ristic
- 10:10–10:30 Coffee break



Program

Day 1 • 13 October 2016

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|--|---|-------------|---|
| 10:30–10:50 | A clinical case of refractory recurrent pericarditis – How to reach the diagnosis
<i>A. Battaglia</i> | 13:40–14:00 | A clinical case of biopsy-proven non infectious myocarditis – How to manage
<i>I. Kindermann</i> |
| 10:50–11:10 | Interactive discussion with the audience and chairs | 14:00–14:20 | Interactive discussion with the audience and chairs |
| 11:10–11:30 | A clinical case of refractory recurrent pericarditis – How to manage
<i>A. Battaglia</i> | 14:20–14:40 | The clinical and diagnostic role of EMB: Take home messages from the interventional cardiologist
<i>A. Frustaci</i> |
| 11:30–11:50 | Interactive discussion with the audience and chairs | 14:40–15:00 | A clinical case of clinically suspected infectious myocarditis – How to reach the diagnosis
<i>C. Chimenti</i> |
| 11:50–12:10 | Refractory recurrent pericarditis and chronic pericardial effusions: Take home messages from the clinical cardiologist
<i>M. Imazio</i> | 15:00–15:20 | Interactive discussion with the audience and chairs |
| 12:10–13:00 | Lunch | 15:20–15:40 | A clinical case of biopsy-proven infectious myocarditis – How to manage
<i>C. Chimenti</i> |
| Chairs: A. Frustaci, K. Klingel | | | |
| 13:00–13:20 | A clinical case of clinically suspected non infectious myocarditis – How to reach the diagnosis
<i>I. Kindermann</i> | 15:40–16:00 | Interactive discussion with the audience and chairs |
| 13:20–13:40 | Interactive discussion with the audience and chairs | 16:00–16:20 | The EMB work-up of infectious and non infectious myocarditis: Take home messages from the pathologist
<i>K. Klingel</i> |



Program

Day 1 • 13 October 2016

2nd floor

How-to session for young cardiologists: Integrated cardiovascular imaging in the cardiomyopathies

(extra educational mini-course 3)

Chairs: *M. Arad, R. Strasser*

- 08:30–08:50 **A clinical case of clinically suspected storage cardiomyopathy – How to reach the diagnosis**
F. Heidrich
- 08:50–09:10 Interactive discussion with the audience and chairs
- 09:10–09:30 **A clinical case of proven storage cardiomyopathy – How to manage**
F. Heidrich
- 09:30–09:50 Interactive discussion with the audience and chairs
- 09:50–10:10 **Role of CMR in diagnosis and management of storage cardiomyopathies: When is it the gold standard? Take home messages**
R. Strasser
- 10:10–10:30 Coffee break

- 10:30–10:50 **A clinical case of clinically suspected metabolic cardiomyopathy – How to reach the diagnosis**
D. Lotan
- 10:50–11:10 Interactive discussion with the audience and chairs
- 11:10–11:30 **A clinical case of clinically suspected metabolic cardiomyopathy – How to manage**
D. Lotan
- 11:30–11:50 Interactive discussion with the audience and chairs
- 11:50–12:10 **Metabolic cardiomyopathies made simple: Take home messages from the clinical cardiologist**
M. Arad
- 12:10–13:00 Lunch



Program

Day 1 • 13 October 2016

Chairs: *G. Limongelli, K. Wahbi*

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|-------------|--|-------------|--|
| 13:00–13:20 | A clinical case of suspected cardiomyopathy with associated myopathy in the adult – How to reach the diagnosis
<i>M. Sochala</i> | 14:40–15:00 | A clinical case of cardiomyopathy with associated myopathy in the pediatric age – How to reach the diagnosis
<i>D. Masarone</i> |
| 13:20–13:40 | Interactive discussion with the audience and chairs | 15:00–15:20 | Interactive discussion with the audience and chairs |
| 13:40–14:00 | A clinical case of cardiomyopathy with associated myopathy in the adult – How to manage
<i>M. Sochala</i> | 15:20–15:40 | A clinical case of cardiomyopathy with associated myopathy in the pediatric age – How to manage
<i>D. Masarone</i> |
| 14:00–14:20 | Interactive discussion with the audience and chairs | 15:40–16:00 | Interactive discussion with the audience and chairs |
| 14:20–14:40 | Cardiomyopathies with associated myopathies in the adult: Differential diagnosis and take-home messages
<i>K. Wahbi</i> | 16:00–16:20 | Cardiomyopathies with associated myopathies in the pediatric age: Differential diagnosis and take-home messages
<i>G. Limongelli</i> |



Program

Day 1 • 13 October 2016

Program

- 16:20–16:45 **Welcome coffee**
- 16:45–17:00 **Official opening: Welcome by Scientific directors and by the Myocardial and Pericardial Diseases ESC Working Group**
Chairs: *A. L. Caforio, A. Linhart*
- 16:45–19:30 **Session 1**
Inaugural session (educational session 1)
Diagnosis of cardiomyopathies
Chairs: *A. L. Caforio, S. B. Felix*
- 17:00–17:25 **Definition and classification – An overview**
Genetic testing is superior to biopsy of the myocardium in cardiomyopathy
Y. Pinto
- 17:25–17:50 **Pro**
H. Katus
- 17:50–18:15 **Contra**
H.-P. Schultheiss
- 18:15–18:40 **Advances in imaging: Echocardiography, MRI, CT and PET – What is essential for diagnostic work-up?**
A. Linhart
- 18:40–19:05 **The MOGE(S) Classification for a phenotype-genotype nomenclature of cardiomyopathy**
E. Arbustini
- 19:05–19:30 **Prognostic Relevance of gene-environment interactions in patients with dilated cardiomyopathy**
S. Heymans
- 19:30 **Get-together in the exhibition area**

Plenary room

Day 2 • 14 October 2016

Plenary room

- 08:30–10:10 **Session 2**
Personalized medicine for diagnosis and treatment of myocarditis and inflammatory cardiomyopathy
(educational session 2)
Chairs: *A. Anastasakis, R. Jahns*
- 08:30–08:55 **Diagnostic work up in myocarditis and DCM**
M. Dörr
- 08:55–09:20 **Endomyocardial biopsy is essential for diagnosis**
C. Basso
- 09:20–09:45 **Role of cardiovascular magnetic resonance**
J. Schulz-Menger
- 09:45–10:10 **From evidence-based treatment to future direction for research in inflammatory cardiomyopathy**
U. Eriksson
- 10:10–10:40 **Coffee break**



Program

Day 2 • 14 October 2016

1st floor

08:30–10:30 **Concurrent Session 2**
Hypertrophic cardiomyopathy: From bench to bedside (educational session 3)
Chairs: *P. Elliott, A. Rigopoulos*

08:30–08:50 **Stepwise approach for risk stratification**
P. Elliott

08:50–09:10 **Next generation genetic testing – What next:**
J. Mogensen

09:10–09:30 **Gene therapy for inherited sarcomeric pediatric cardiomyopathy**
L. Carrier

09:30–09:50 **Evidence-based medical treatment**
J. Olivotto

09:50–10:10 **Evidence-based percutaneous gradient ablation**
H. Seggewiss

10:10–10:30 **Surgical therapies**
P. Ferrazzi

10:30–11:00 Coffee break

Plenary room

10:40–12:35 **Session 3**
Myocardial involvement in systemic immune-mediated diseases: Focus on the myocardial and pericardial disease Position paper (educational session 4)
Chairs: *E. Arbustini, A. L. Caforio*

10:40–11:05 **Systemic autoimmune diseases and cardiac involvement: Focus on animal models and common mechanisms**
V. Poli

11:05–11:30 **What's new: The cardiac pathologist's point of view**
K. Klingel

11:30–11:55 **What's new: The cardiologist's point of view**
S. B. Felix

11:55–12:20 **What's new: The immunologist's point of view**
R. Marcolongo

12:20–12:35 **What next:**
U. Eriksson

12:35–14:00 Lunch



Program

Day 2 • 14 October 2016

1st floor

11:00–13:30 **Concurrent Session 3**
The Noncoding genome in myocardial diseases – Pathogenic implications and therapeutic perspectives for the cardiomyopathies (extra-educational session 4)
Chairs: *M. Arad, P. Charron*

11:00–11:25 **Noncoding RNAs in cardiovascular disease – Status of clinical translation**
T. Thum

11:25–11:50 **MicroRNAs in cardiac fibrosis and hypertrophy**
S. Engelhardt

11:50–12:15 **Monocyte-directed RNAi in cardiac inflammation**
F. Leuschner

12:15–12:40 **Gene editing**
J.-S. Hulot

12:40–13:05 **Methylome**
B. Meder

13:05–13:30 **Gene and microRNA based therapies for heart failure**
Status of clinical translation
R. Hajjar

13:30–14:30 **Lunch**

Plenary room

14:00–17:55 **Session 4**
Diastolic and systolic dysfunction in heart failure and the cardiomyopathies – From diagnosis to treatment (extra educational session 5)
Chairs: *M. Fu, A. Ristic*

14:00–14:25 **Stepwise diagnostic approach**
C. Tschöpe

14:25–14:50 **Current evidence on treatment of patients with chronic systolic heart failure**
A. Ristic

14:50–15:15 **Immunoabsorption as a treatment option in DCM**
S. B. Felix

15:15–15:40 **Cardiac implantable electronic devices in systolic heart failure**
M. Busch

15:40–16:05 **Systolic heart failure: New drugs in the pipeline**
B. Pieske

16:05–16:30 **Coffee break**



Program

Day 2 • 14 October 2016

- 16:30–16:55 **New treatment options for diastolic dysfunction**
G. Hasenfuß
- 16:55–17:55 **Keynote Lecture**
Myocardial regeneration in the cardiomyopathies – A therapeutic option?
- Basic research**
T. Eschenhagen
- Clinical trials**
S. Janssens

1st floor

- 14:30–18:20 **Concurrent Session 4**
Rare myocardial diseases – From diagnosis to treatment
(educational session 5)
Chairs: *A. L. Caforio, M. Dörr*
- 14:30–14:55 **Pediatric diseases**
G. Limongelli
- 14:55–15:20 **Anderson-Fabry disease**
A. Linhart
- 15:20–15:45 **Glycogen storage disease**
M. Arad
- 15:45–16:10 **Amyloidosis**
C. Rapezzi
- 16:10–16:35 **Neuro-muscular disease**
A. Pantazis
- 16:35–16:55 **Coffee break**
- 16:55–17:20 **Inflammatory cardiomyopathies**
C. Basso
- 17:20–18:20 **Keynote Lecture**
Rare cardiomyopathies-challenges and opportunities
P. Elliott



Program

Day 3 • 15 October 2016

Plenary room

08:30–09:30	Session 5 Diagnosis and treatment of pericardial diseases – Focus on the 2015 Guidelines (educational session 6) Chairs: <i>S. Pankuweit, A. Ristic</i>	10:05–12:35	Session 6 Acute decompensated chronic heart failure – A diagnostic and therapeutic challenge in cardiomyopathies of different aetiologies (educational session 7) Chairs: <i>S. Blankenberg, A. Keren</i>
08:30–08:55	Clinical and diagnostic work-up <i>B. Maisch</i>	10:05–10:30	The diagnostic accuracy of the natriuretic peptides in heart failure <i>J. Mant</i>
08:55–09:20	Medical treatment <i>M. Imazio</i>	10:30–10:55	New drugs for treatment of acute decompensated heart failure <i>V. Mitrovic</i>
09:20–09:30	What next: <i>Y. Adler</i>	10:55–11:20	Ultrafiltration in patients with acute decompensated chronic heart failure <i>G. Marezi</i>
09:30–09:45	Young Investigator Awards	11:20–11:45	Impella ventricular support in patients with cardiogenic shock <i>M. Ferrari</i>
09:45–10:05	Coffee break	11:45–12:10	Emergency extracorporeal membrane oxygenation (ECMO) in patients with cardiogenic shock <i>S. Beurtheret</i>
		12:10–12:35	Keynote Lecture Auto-immune mechanisms in myocarditis and dilated cardiomyopathy <i>A. L. Caforio</i>
		12:35	Lunch snack in the exhibition area



Program

Day 3 • 15 October 2016

1st floor

- 10:05–12:15 **Concurrent Session 6**
Arrhythmogenic cardiomyopathies
(educational session 8)
Chairs: *A. Anastasakis, P. Elliott*
- 10:05–10:30 **Genetic diagnosis – An update for the clinician**
E. Arbustini
- 10:30–10:55 **Pathology – Still the gold standard?**
C. Basso
- 10:55–11:20 **Clinical and non-invasive work-up**
A. Tsatsopoulou
- 11:20–11:45 **Risk stratification**
T. Wichter
- 11:45–12:15 **Keynote Lecture**
Treatment of ARVC: Key messages from the international and future perspectives
D. Corrado
- 12:15 Lunch snack in the exhibition area

General Information

13th Meeting of the ESC
Working Group on Myocardial
and Pericardial Diseases

Organizing Committee

Alida Caforio
Stephan Felix
Aleš Linhart

Conference chair

Prof. Dr. Stephan Felix
University Medicine Greifswald
Department of Internal Medicine B

Organizer

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Congress venue

Hotel Hohe Düne
Am Yachthafen 1, 18119 Rostock-Warnemünde
www.hohe-duene.de

Conference language

English is the official language.

Posters

Posters will be displayed during the whole period of scientific sessions.

Registration

<http://www.cardiomyopathies2016.com/>



Faculty

Yehuda Adler, Ramat Gan IL
Yannick Allanore, Paris FR
Aris Anastasakis, Athens GR
Michael Arad, Ramat Gan IL
Eloisa Arbustini, Pavia IT
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Felix Heidrich, Dresden DE
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