

# Programme



14th Meeting of the Myocardial  
and Pericardial Diseases  
Working Group of  
the European Society  
of Cardiology

Nyborg, Denmark  
26-28 October, 2017



[www.cardiomyopathies2017.com](http://www.cardiomyopathies2017.com)

## Dear Colleagues

On behalf of the organising committee it is a great pleasure to welcome you to the 14th Working Group meeting for Myocardial and Pericardial diseases of the European Society of Cardiology, ESC. The meeting will take place 26-28 October 2017 at Nyborg which is an old Royal town from the 1100'th century in the centre of Denmark. The venue is at Hotel Nyborg Strand Conference Centre, with a spectacular view to the Great Belt Bridge.

The aim of this meeting is to communicate progress in basic science and practical management of myocardial and pericardial diseases to a broad audience with an interest in the conditions including physicians, specialist nurses, clinical researchers, pathologists, geneticists, basic scientist and young investigators.

Healthcare professionals encounter diseases affecting the myocardium and pericardium in many varied clinical settings. A majority of the conditions are inherited with cardiomyopathies being most frequent and may manifest for the first time with sudden unexplained death in a young person, whereas others present with progressive symptoms or are detected accidentally following family screening. Likewise, the inflammatory and infective myocardial and pericardial diseases are also of significant importance in view of the challenges in making accurate diagnoses and the evolving novel therapeutic approaches using immunosuppressive and immunomodulatory therapies.

The meeting covers three days and is divided in two parts. The first day is dedicated to educational mini courses with talks and illustrative case study presentations. There will be a focus on genetics, imaging modalities including MRI, echocardiography and CT-scan, in addition to diagnosis and management of myocardial and pericardial diseases. There will also be sessions discussing the results of basic scientific research and the potential impact on clinical management and development of novel treatment modalities by use of gene therapy.

The remaining two days will have a focus on specific topics including genetics in hereditary cardiac conditions, diagnosis and treatment of myocarditis and pericarditis, algorithms for implantable devices for management of arrhythmia and resynchronization therapy, novel algorithms for medical heart failure therapy, mechanical support of advanced heart failure, palliation, rare myocardial conditions including Anderson-Fabry disease and amyloidosis, sports-medicine and prevention of sudden cardiac death.

It is now possible to submit your abstract, which will be presented either in moderated poster sessions or selected by the scientific committee for an oral presentation of 7 minutes followed by 3 minutes discussion. The best poster and oral presentation will be awarded with 750€ each. There is a prize for the second best contribution in both categories of 500€.

We are fortunate that a majority of the speakers in the faculty are internationally recognised experts in the field of myocardial and pericardial diseases, which will make it possible to discuss difficult clinical questions and also to extend your network.

We are looking forwards seeing you soon in Denmark and wish you an enjoyable meeting.

Professor Jens Mogensen

Professor Ales Linhar

Professor Yehuda Adler

## Chairman of the meeting

Jens Mogensen, Odense, Denmark

## Scientific committee

Ales Linhart, Prague, Czechoslovakia

Yehuda Adler, Sheba, Israel

Alida Caforio, Padua, Italy

## Congress agency

MCI Nordic, Strandvejen 169-171, DK-2900

Hellerup, Denmark

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## Organising committee

Henning Bundgaard, Copenhagen, Denmark

Jacob Eifer Møller, Odense, Denmark

Perry Elliott, London, UK

Finn Lund Henriksen, Odense, Denmark

Lene Holmvang, Copenhagen, Denmark

Matias Greve Lindholm, Copenhagen, Denmark

Ales Linhart, Prague, Czechoslovakia

Hans Mickley, Odense, Denmark

Henning Mølgaard, Aarhus, Denmark

Peter Søgaard, Aalborg, Denmark

Eva Prescott, Copenhagen, Denmark

Hanne Søndergaard, Viborg, Denmark

## Faculty

Yehuda Adler ..... Sheba, Israel  
Aris Anastasakis ..... Athens, Greece  
Stefan Anker ..... Göttingen, Germany  
Michael Arad ..... Sheba, Israel  
Eloisa Arbustini ..... Pavia, Italy  
Ulrik Baandrup ..... Hjørring, Denmark  
Jytte Banner ..... Copenhagen, Denmark  
John Brodersen ..... Copenhagen, Denmark  
Antonio Bruccato ..... Bergamo, Italy  
Henning Bundgaard ..... Copenhagen, Denmark  
Ivana Burazor ..... Belgrade, Serbia  
Alida Caforio ..... Pavia, Italy  
Lucie Carrie ..... Hamburg, Germany  
Philippe Charron ..... Paris, France  
Axel Diderichsen ..... Odense, Denmark  
Hans Eiskjær ..... Aarhus, Denmark  
Perry Elliott ..... London, UK  
Urs Eriksson ..... Zürich, Switzerland  
Pablo Garcia-Pavia ..... Madrid, Spain  
Juan Ramon Gimeno-Blanes ..... Murcia, Spain

Kristina Haugaa ..... Oslo, Norway  
Tiina Helio ..... Helsinki, Finland  
Carl Johan Höijer ..... Lund, Sweden  
Finn Lund Henriksen ..... Odense, Denmark  
Thomas Hey ..... Odense, Denmark  
Lene Holmvang ..... Copenhagen, Denmark  
Massimo Imazio ..... Turin, Italy  
Helle Kanstrup ..... Aarhus, Denmark  
Ingrid Kinderman ..... Saarlandes, Germany  
Karin Klingen ..... Würzburg, Germany  
Johanna Kuusisto ..... Kuopio, Finland  
Lars Køber ..... Copenhagen, Denmark  
Gisle Langslet ..... Oslo, Norway  
Mogens Lytken Larsen ..... Aalborg, Denmark  
Giuseppe Limongelli ..... Naples, Italy  
Jes Lindholt ..... Odense, Denmark  
Ales Linhart ..... Prague, Czechoslovakia  
Pascal McKeown ..... Belfast, UK  
Michal Melin ..... Stockholm, Sweden  
Hans Mickley ..... Odense, Denmark  
Jens Mogensen ..... Odense, Denmark  
Sam Mohiddin ..... London, UK  
Lorenzo Monserrat ..... La Couruna, Spain  
Henning Mølgaard ..... Aarhus, Denmark  
Jacob Møller ..... Odense, Denmark  
Jens Cosedis Nielsen ..... Aarhus, Denmark  
Sabine Pankuweit ..... Marburg, Germany  
Antonis Pantazis ..... London, UK  
Susanne Pedersen ..... Odense, Denmark  
Yigal Pinto ..... Amsterdam, Holland  
Pyotr Platonov ..... Lund, Sweden  
Eva Prescott ..... Copenhagen, Denmark  
Claudio Rapezzi ..... Bologna, Italy  
Angelos Rigopoulos ..... Schweinfurt, Germany  
Arsen Ristic ..... Belgrade  
Sanjay Sharma ..... London, UK  
Erik Berg Smith ..... Aalborg, Denmark  
Jesper Hastrup Svendsen ..... Copenhagen, Denmark  
Peter Søgaard ..... Aalborg, Denmark  
Peter van Tintelen ..... Amsterdam, Holland

|             | Educational mini course I                                                         | Educational mini course II                                                              | Educational mini course III, joint session DCS/ESC                                                                          |
|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 8.00-9.00   | <b>Registration</b>                                                               |                                                                                         |                                                                                                                             |
| 9.00-10.30  | <b>Cardiomyopathies I.</b><br><i>Pablo Garcia-Pavia, Juan Ramon Gimeno-Blanes</i> | <b>Myocarditis and infiltrative disease.</b><br><i>Sabine Pankuweit, Alida Caforio</i>  | 9.00-9.05<br><b>Welcome to joint DCS/ESC meeting.</b><br><i>Lene Holmvang</i>                                               |
|             |                                                                                   |                                                                                         | <b>Hyperlipidaemia in collaboration with the Danish Cardiac Society DCS.</b><br><i>Finn Lund Henriksen, Erik Berg Smith</i> |
| 9.00-9.20   | Diagnostic work-up in cardiomyopathies.<br><i>Perry Elliott</i>                   | How to diagnose and treat cardiac sarcoidosis?<br><i>Claudio Rapezzi</i>                | Familial hypercholesterolaemia in adults, clinical perspective and treatment.<br><i>Helle Kanstrup</i>                      |
| 9.20-9.40   | Childhood cardiomyopathies.<br><i>Giuseppe Limongelli</i>                         | How to diagnose virus in myocarditis?<br><i>Urs Eriksson</i>                            | Hypercholesterolaemia in children.<br><i>Gisle Langslet</i>                                                                 |
| 9.40-10.00  | Natural history of RBM20 mutations in DCM.<br><i>Thomas Hey</i>                   | Impact of diagnosing myocarditis on treatment and prognosis.<br><i>Sabine Pankuweit</i> | When is dyslipidaemia not hereditary?<br><i>Johanna Kuustisto</i>                                                           |
| 10.00-10.20 | Lamin and desmin disease.<br><i>Eloisa Arbustini</i>                              | What is the value of biomarkers in myocardial disease?<br><i>Hans Mickley</i>           | Treatment with PCSK9-inhibitors.<br><i>Mogens Lytken Larsen</i>                                                             |
| 10.20-10.30 | Take home message.<br><i>Pablo Garcia-Pavia</i>                                   | Take home messages.<br><i>Sabine Pankuweit</i>                                          | Take home message.<br><i>Finn Lund Henriksen</i>                                                                            |
| 10.30-11.00 | <b>Coffee break</b>                                                               |                                                                                         |                                                                                                                             |
| 11.00-12.40 | <b>Cardiomyopathies II.</b><br><i>Giuseppe Limogelli, Claudio Rapezzi</i>         | <b>Challenging issues in pericardial diseases.</b><br><i>Yehuda Adler, Urs Eriksson</i> | <b>Genetic investigations, family screening and how to become a specialist.</b><br><i>Henning Bundgaard, Jens Mogensen</i>  |

|             | Educational mini course I                                                                           | Educational mini course II                                                                          | Educational mini course III, joint session DCS/ESC                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 11.00-11.20 | What is peripartum/non-compaction cardiomyopathy and risk of arrhythmia?<br><i>Aris Anastasakis</i> | How to treat recurrent pericarditis.<br><i>Massimo Imazio</i>                                       | When to offer genetic investigations and how to understand the findings?<br><i>Lorenzo Monserrat</i>                     |
| 11.20-11.40 | When to suspect glycogen storage disease?<br><i>Michal Arad</i>                                     | Management of moderate to large pericardial effusions without pericarditis.<br><i>Ivana Burazor</i> | Family screening – organisation and impact of being at risk of having a hereditary condition.<br><i>Philippe Charron</i> |
| 11.40-12.00 | Spectrum of cardiac involvement in neuromuscular diseases.<br><i>Antonis Pantazis</i>               | How to recognise and treat a new onset constrictive pericarditis.<br><i>Arsen Ristic</i>            | Training and education of specialists in hereditary cardiovascular conditions. – UK experience<br><i>Sam Mohiddin</i>    |
| 12.00-12.20 | Why is it important to diagnose Anderson-Fabry disease?<br><i>Ales Linhart</i>                      | Etiopathogenesis of Pericarditis With and Without Myocardial Involvement.<br><i>Karin Klingel</i>   | Perspectives from the University and education of medical doctors.<br><i>Pascal McKeown</i>                              |
| 12.20-12.30 | Take home messages.<br><i>Giuseppe Limongelli</i>                                                   | Take home messages.<br><i>Urs Eriksson</i>                                                          | Take home messages.<br><i>Henning Bundgaard</i>                                                                          |
| 12.30-13.30 | <b>Lunch</b>                                                                                        |                                                                                                     |                                                                                                                          |
| 13.30-15.10 | <b>Cardiomyopathies and SCD.</b><br><i>Aris Anastasakis, Perry Elliott</i>                          | <b>Imaging and ECG in heart muscle disease.</b><br><i>Jacob Møller, Antonis Pantazis</i>            | <b>Screening in cardiology – current Danish projects and perspectives.</b><br><i>Eva Prescott</i>                        |
| 13.30-13.50 | How to manage SCD-families?<br><i>Pablo Garcia-Pavia</i>                                            | Echo-findings in specific myocardial conditions.<br><i>Kristina Haugaa</i>                          | Calcium score – ready for population prime time.<br><i>Axel Diederichsen</i>                                             |
| 13.50-14.10 | Why is it important to do autopsy of SCD-victims?<br><i>Jytte Banner</i>                            | Role of MRI in diagnosis of heart muscle disease.<br><i>Sam Mohiddin</i>                            | Asymptomatic atrial fibrillation.<br><i>Jesper Hastrup Svendsen</i>                                                      |



|             | Educational mini course I                                                                         | Educational mini course II                                                   | Educational mini course III, joint session DCS/ESC                                                                             |
|-------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 14.10-14.30 | How do I select and manage ICDs in patients with cardiomyopathies?<br><i>Jens Cosedis Nielsen</i> | When to use CT, PET, and nuclear imaging?<br><i>Juan Ramon Gimeno-Blanes</i> | Abdominal aortic aneurism.<br><i>Jes Lindholt</i>                                                                              |
| 14.30-14.50 | Psychological impact of ICD treatment.<br><i>Susanne Petersen</i>                                 | ECG findings in cardiomyopathies.<br><i>Henning Mølgaard</i>                 | The downside to screening programmes.<br><i>John Brodersen</i>                                                                 |
| 14.50-15.00 | Take home messages.<br><i>Perry Elliott</i>                                                       | Take home messages.<br><i>Antonis Pantazis</i>                               | Take home message.<br><i>Eva Prescott</i>                                                                                      |
| 15.00-15.30 | Coffee break                                                                                      |                                                                              | DCS session and farewell by<br><i>Lene Holmvang</i><br>Thiesens legat<br>General assembly<br>Danish position statement papers. |
| 15.30-18.45 | Opening of WG meeting 2017                                                                        |                                                                              |                                                                                                                                |
| 15.30-15.45 | Welcome. <i>Ales Linhart, Yehuda Adler, Alida Caforio, Jens Mogensen</i>                          |                                                                              |                                                                                                                                |
| 15.45-16.10 | Perry Elliott Hypertrophic cardiomyopathy, diagnostic challenges and risk stratification          |                                                                              | KEYnote speaker!                                                                                                               |
| 16.10-16.35 | Lars Køber Implications of DANISH-trial for ICD therapy in dilated cardiomyopathy                 |                                                                              | KEYnote speaker!                                                                                                               |
| 16.35-17.00 | Stefan Anker Medical treatment in heart failure                                                   |                                                                              | KEYnote speaker!                                                                                                               |
| 17.00-17.20 | Coffee break                                                                                      |                                                                              |                                                                                                                                |
| 17.20-17.45 | Claudio Rapezzi Cardiac amyloidosis, diagnosis and novel principles of treatment                  |                                                                              | KEYnote speaker!                                                                                                               |
| 17.45-18.10 | Carl Johan Höijer Palliation in end-stage heart disease                                           |                                                                              | KEYnote speaker!                                                                                                               |
| 18.10-18.35 | Yehuda Adler Pericardial disease – what do guidelines tell us?                                    |                                                                              | KEYnote speaker!                                                                                                               |
| 19.30-20.00 | Welcome reception                                                                                 |                                                                              |                                                                                                                                |
| 20.00-21.30 | Nucleus meeting                                                                                   |                                                                              |                                                                                                                                |

## Plenary-sessions

|             |                                                                                                                                                                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.30-10.40  | Dilated cardiomyopathy Chair: <i>Kristina Haugaa, Philippe Charron</i>                                                                                                                                                                                                                         |
| 8.30-8.50   | Diagnosis and clinical cascade screening in DCM. <i>Yigal Pinto</i>                                                                                                                                                                                                                            |
| 8.50-9.10   | When should genetic investigations be performed in DCM? <i>Tiina Helio</i>                                                                                                                                                                                                                     |
| 9.10-9.30   | What is the role of CRT in DCM? <i>Peter Søgaard</i>                                                                                                                                                                                                                                           |
| 9.30-9.50   | Advanced heart failure – role of inotropes, pumps and assist devices.<br><i>Jacob Møller</i>                                                                                                                                                                                                   |
| 9.50-10.10  | When to consider HTx in DCM? <i>Hans Eiskjær</i>                                                                                                                                                                                                                                               |
| 10.10-10.30 | How to organise care for heart failure patients? <i>Michael Melin</i>                                                                                                                                                                                                                          |
| 10.30-10.45 | Take home message. <i>Philippe Charron</i>                                                                                                                                                                                                                                                     |
| 10.45-11.00 | Coffee break                                                                                                                                                                                                                                                                                   |
| 11.00-13.00 | Hypertrophic cardiomyopathy Chair: <i>Pascal McKeown, Perry Elliott</i>                                                                                                                                                                                                                        |
| 11.00-11.25 | Genetic diagnosis and family screening in HCM. <i>Lorenzo Monserrat</i>                                                                                                                                                                                                                        |
| 11.25-11.50 | Management of symptoms and randomized drug trials. <i>Henning Bundgaard</i>                                                                                                                                                                                                                    |
| 11.50-12.15 | Myectomy and septal alcohol ablation. <i>Angelos Rigopoulos</i>                                                                                                                                                                                                                                |
| 12.15-12.40 | ESC registries in cardiomyopathies. <i>Philippe Charron</i>                                                                                                                                                                                                                                    |
| 12.40-12.50 | Take home messages. <i>Perry Elliott</i>                                                                                                                                                                                                                                                       |
| 13.00-14.00 | Lunch-symposium 1 hour sponsored by Shire:<br>Closer look at cardiac involvement in Fabry disease: acting in time<br>• When and how to screen for Fabry disease<br>• How to read cardiac MRI in Fabry patients: T1 mapping<br>• Prompt treatment initiation and long term effect with Replagal |
| 14.00-15.00 | Moderated poster walk <i>Pascal McKeown, Yigal Pinto</i>                                                                                                                                                                                                                                       |
| 15.00-17.10 | Front line research <i>Lorenzo Monserrat, Jens Mogensen</i>                                                                                                                                                                                                                                    |
| 15.00-15.30 | Hunting for novel disease genes, modifiers and pitfalls in genetic diagnosis.<br><i>Peter van Tintelen</i>                                                                                                                                                                                     |
| 15.30-16.00 | Personalized medicine in hereditary cardiac conditions and future modalities of treatment. <i>Lucie Carrier</i>                                                                                                                                                                                |
| 16.00-16.30 | The mystery of Titin mutations in cardiomyopathies. <i>Eloisa Arbustini</i>                                                                                                                                                                                                                    |
| 17.00-17.10 | Take home messages. <i>Lorenzo Monserrat</i>                                                                                                                                                                                                                                                   |
| 17.10-17.30 | Coffee break                                                                                                                                                                                                                                                                                   |

**Rapid fire poster session**

4 chairmen: Ales Linhart, Perry Elliott, Peter van Tintelen, Lucie Carrier

|             |                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 17.30-18.30 | <b>Rapid fire oral abstract presentation</b> , 6 abstracts each presented in 7 minutes with 3 minutes discussion. Awards for best 2 presentations |
| 18.30-19.30 | <b>BREAK</b>                                                                                                                                      |
| 19.30-23.00 | <b>Gala dinner</b> with presentation of award winners                                                                                             |

**Saturday 28.10.2017**

|             |                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------|
| 8.30-10.10  | <b>Myocarditis and pericarditis</b> Karin Klingel, Sabine Pankuweit                                 |
| 8.30-8.50   | Red flags and diagnosis of myocarditis. Ingrid Kindermann                                           |
| 8.50-9.10   | Autoimmune disease in myocarditis and impact on treatment. Alida Caforio                            |
| 9.10-9.30   | Therapy of refractory pericarditis. Antonio Brucato                                                 |
| 9.30-9.50   | The pathologists perspective. Ulrik Baandrup                                                        |
| 10.00-10.10 | Take home message. Sabine Pankuweit                                                                 |
| 10.10-10.30 | Coffee break                                                                                        |
| 10.30-11.30 | <b>Athletes, arrhythmias and cardiomyopathies.</b> Sam Mohiddin, Aris Anastasakis                   |
| 10.30-10.50 | <b>Risk of SCD in athletes.</b> Sanjay Sharma                                                       |
| 10.50-11.10 | <b>Clinical diagnosis and management in ARVC.</b> Pyotr Platonov                                    |
| 11.10-11.30 | Is it possible to offer predictive genetic testing in ARVC? Peter van Tintelen                      |
| 11.30-12.00 | What is the advice and evidence about physical exercise in cardiomyopathies? Antonis Pantazis       |
| 12.00-12.30 | <b>Rare diseases</b> , what are the challenges and future perspectives? Perry Elliott               |
| 12.30-12.45 | <b>Closing remarks</b> and sandwich to go. Ales Linhart, Yehuda Adler, Alida Caforio, Jens Mogensen |

**Abstracts**

It is now possible to submit your abstract, which will be presented either in moderated poster sessions or selected by the scientific committee for an oral presentation of 7 minutes followed by 3 minutes discussion. The best poster and oral presentation will be awarded with 750€ each. There is a price for the second best contribution in both categories of 500€. The deadline for abstract submissions is 10.10.2017

**Meeting venue**

Nyborg Strand Hotel  
Østerøvej 2 · DK-5800 Nyborg  
[www.nyborgstrand.dk](http://www.nyborgstrand.dk)

**Travel**

It is most convenient to fly to Copenhagen Airport CPH and take a train from the airport directly to Nyborg train station. Trains are leaving twice per hour from the airport and the journey is approximately 1 hour and 15 minutes. Tickets may be bought at train station or at [www.dsb.dk](http://www.dsb.dk)

It is also possible to fly to Billund Airport BLL and go by bus and train to Nyborg [www.bll.dk](http://www.bll.dk)  
Taxis are available from the train station to the venue unless you choose to walk 15 minutes.

**Secretariat during the meeting**

The secretariat will be open:  
Thursday, 26.10: 8-18  
Friday, 27.10: 8-18  
Saturday, 28.10: 8-10

**Official language**

The official language of the meeting is English

**Registration and accommodation**

Please register and book accommodation at [www.cardiomyopathies2017.com](http://www.cardiomyopathies2017.com)

**Technical facilities**

A slide centre for Powerpoint will be available for check and preview. It is essential that speakers upload their presentation at least 2 hours before their session starts.

**Food and drinks**

Breakfast will be available 26.10 from 8-9. There is a welcome reception 26.10 with snacks and drinks. Lunch and coffee breaks are included throughout the meeting.

| Fees                                                               | Early fee<br>Until 15<br>September | Late fee<br>After 15<br>September |
|--------------------------------------------------------------------|------------------------------------|-----------------------------------|
| Attendee                                                           | 3.000,-<br>(400€)                  | 3.900,-<br>(520€)                 |
| Abstract submitter                                                 | 1.300,-<br>(175€)                  | 1.300,-<br>(175€)                 |
| DCS member attending only DCS Autumn meeting 26.10, 8.00-15.30*    | Free of charge                     | Free of charge                    |
| Congress Dinner                                                    | 400,-<br>(55€)                     | 400,-<br>(55€)                    |
| *If participation in the entire meeting the full fee is applicable |                                    |                                   |

## Sponsors



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