



**ESC**

Working Group  
Myocardial &  
Pericardial Diseases



**SCIENTIFIC  
PROGRAMME**

# ACKNOWLEDGEMENTS

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The Conference is organized by the Working Group on Myocardial and Pericardial Diseases of the European Society of Cardiology.

The working group is grateful for the joint sessions to the Heart Failure Association of the European Society of Cardiology, World Scleroderma Foundation (WSF), and European Scleroderma Trials and Research group (EUSTAR). The Working Group is highly appreciating the scientific support and logistics provided by the Serbian Academy of Sciences and Arts, Serbian Medical Association, Faculty of Medicine, University of Belgrade, Faculty of Music, Arts University of Belgrade, and Clinical Centre of Serbia in Belgrade.



**We would like to thank our sponsors, exhibitors and participants for making this conference possible.**

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# WELCOME

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**Dear Colleagues,**

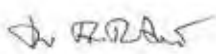
On behalf of the organising and scientific committee it is a great pleasure to meet you at the 15th Annual Conference of the Working Group (WG) on Myocardial and Pericardial Diseases of the European Society of Cardiology in Belgrade, Serbia.

The Conference is back in Belgrade for the third time, after very successful meetings organized in 2006 and 2009 by Professor Petar Seferović.

The aim of the Conference is to communicate progress in basic science, diagnosis, and management of myocardial and pericardial diseases to a broad audience. In order to expand the interaction and cooperation of the WG with other related areas, WGs and Associations in the ESC and world-wide, the Scientific Program will include sessions on the management of heart failure in cardiomyopathies and constrictive pericarditis, invasive diagnostic and interventional procedures, cardiotoxicity, myocardial and pericardial involvement in malignancies, arrhythmology, electrophysiology and pacing, sports, and surgical management of cardiomyopathies and pericardial disease. Systemic autoimmune diseases and metabolic disorders involving the heart and the pericardium will be elaborated in the special track. Advances in the treatment including new perspectives with biological drugs, immunomodulation and enzyme replacing therapies will be thoroughly reviewed as well.

“Myocardial & Pericardial Experts of Tomorrow” (MY-PET) track will include educational courses dedicated to cardiovascular pathology with focus on inflammation, fibrosis and PCR for cardiotropic viruses but also cardiovascular genetics, and integrated imaging in myo/pericardial diseases. Young investigators awards sessions will include selected original research and case presentations by the first authors 40 years old or less.

We trust you will enjoy the programme and also the exciting and vibrant city of Belgrade.



**Prof. Arsen Ristić**  
Chairman  
2018 Conference



**Prof. Yehuda Adler**  
Chairman of the ESC WG  
Myocardial & Pericardial Diseases



**Prof. Aleš Linhart**  
Past Chairman of the ESC WG  
Myocardial & Pericardial Diseases

# COMMITTEES

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# GENERAL INFORMATION

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## CONGRESS VENUE

Crowne Plaza Hotel  
Vladimira Popovica 10,  
Belgrade, Serbia

## LANGUAGE

The official language of the Conference is English.

## REGISTRATION AND HOSPITALITY DESK

The registration and hospitality desk will be operated for the duration of the Conference during the following hours:

Thursday, 4 October, 2018	10:00-12:00
Friday, 5 October, 2018	07:30-18:00
Saturday, 6 October, 2018	08:00-18:00
Sunday, 7 October, 2018	08:00-15:30

## NETWORKING PROGRAMME

### Welcome Reception

Friday, 5 October, 2018 11:45-12:30

### Faculty Dinner & Jeopardy Quiz (by invitation & voucher only)

Friday, 5 October, 2018 20:30-23:30





## **LIABILITY AND INSURANCE**

The conference organizers cannot accept liability for personal injuries sustained, or for loss or damage of property belonging to conference participants (or their accompanying persons), either during, or as a result of the conference.

## **POSTER VISITS**

Poster Visits will take place during coffee and lunch breaks.

## **NAME BADGE**

You are kindly requested to wear your name badge during all conference functions and sessions.

Please note that a charge of EUR 30 will be made onsite in case of losing your name badge.

## **CERTIFICATES**

A certificate of participation may be obtained from the Registration Desk from Saturday, 6 October, 2018 after lunch.

## **ESC MEMBERSHIP**

A computer has been set up at the ESC table to sign up for the ESC Working Group of Myocardial & Pericardial Diseases

Organized by:



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# PRE-MEETING

# THURSDAY, 4 OCTOBER, 2018

## Serbian Academy of Sciences & Arts | Thursday, 4 October, 2018 Knez Mihailova Str. 35, Main Hall, 2<sup>nd</sup> Floor

The scientific program will start with a special pre-meeting dedicated to **30 years anniversary of the ESC WG on Myocardial and Pericardial Diseases** followed by a **Young Investigators Awards Competitions**.

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### 13:00-14:45 **Session 1 – 30-YEAR ANIVERSARY SESSION**

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**Chairs:** Yehuda ADLER, Tel Hashomer, IL; Aleš LINHART, Prague, CZ;  
Antonis PANTAZIS, London, UK

- 13:00 **Introduction and Welcome**  
Arsen RISTIĆ, Belgrade, RS, Conference Chairman
- 13:05 **Welcome on behalf of the Serbian Academy of Sciences and Arts - SASA**  
Academician Vladimir KOSTIĆ, President of the Academy
- 13:10 **Welcome on behalf of the SASA Department of Medical Sciences**  
Academician Dragan MICIĆ, Secretary of the Department
- 13:15 **Welcome on behalf of the SASA Board on Cardiovascular Pathology**  
Academician Vladimir KANJUH, President of the Board
- 13:20 **The Academic Choir “Collegium Musicum” - The Belgrade Faculty of Music Art**  
Conductor, Prof. Dragana JOVANOVIĆ, PhD, Belgrade, RS
- 13:35 **World History of Research and Clinical Advances in Pericardial Diseases**  
Petar M. SEFEROVIĆ, Belgrade, RS, President of the Heart Failure Association of the ESC
- 13:50 **50+ yrs of Research and Clinical Advances in Cardiomyopathies**  
Aleš LINHART, Prague, CZ, Past-Chairman, ESC WG on Myocardial & Pericardial Diseases
- 14:05 **30 yrs of the ESC WG on Myocardial & Pericardial Diseases**  
Bernhard MAISCH, Marburg, DE Founding-Chairman, ESC WG Myocardial & Pericardial Diseases
- 14:20 **Presentation of Life: Achievement Awards Laureates**  
Aleš LINHART, Prague, CZ; Yehuda ADLER, Tel Hashomer, IL;  
Antonis PANTAZIS, London, UK
- 14:30 **Presentation of the Gold Medal Awards Laureates**  
Arsen RISTIĆ, Belgrade, RS; Yehuda ADLER, Tel Hashomer, IL
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- 14:45-15:30 Welcome Cocktail
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# THURSDAY, 4 OCTOBER, 2018

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15:30-17:00 **Session 2 - Ralph Shabetai Young Investigators Award (Best Abstracts – 6 Finalists)**

**Chairpersons/Jury:**

Y. Adler; V. Kanjuh; B. Maisch; I. Kindermann; M. Imazio; K. Klingel; A. Ristić

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17:00-17:30 **Coffee Break**

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17:30-19:00 **Session 3 - John F. Goodwin Award (Best Case Reports – 6 Finalists)**

**Chairpersons/Jury:**

A. Linhart; A. Pantazis; S. Pankuweit; I. Burazor; C. Basso; M.T. Tome Esteban

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# INVITED PRESENTATIONS

# FRIDAY, OCTOBER 5, 2018

09:00-10:30

ATLANTIC

**S1: MyoPET1 MYOCARDITIS, PERICARDITIS & CARDIOMYOPATHIES: DIAGNOSIS AND DDG**

**Chairpersons:** Branislava IVANOVIĆ, Belgrade, RS; Mirza DILIĆ, Sarajevo, BA;  
Biljana PUTNIKOVIĆ, Belgrade, RS

**09:00 Athlete's Heart vs. Hypertrophic Cardiomyopathy: Echocardiography, Strain, and Provocative Manouveres in Differential Diagnosis**

Christine ATTENHOFER-JOST, Zürich, CH

**09:15 ECG in Diagnosis and DDg of Myocarditis, Pericarditis, and Cardiomyopathies**

Vladan VUKČEVIĆ, Belgrade, RS

**09:30 MRI in Diagnosis and DDg of Myocarditis, Pericarditis, and Cardiomyopathies**

Marija ZDRAVKOVIĆ, Belgrade, RS

**09:45 MSCT in Diagnosis and DDg of Myocarditis, Pericarditis, and Cardiomyopathies**

Radoslav VIDAKOVIĆ, Belgrade, RS

**10:00 PET in Diagnosis and DDgMyo/Pericardial Diseases**

Dragana ŠOBIĆ-ŠARANOVIĆ, Belgrade, RS

**10:15 Discussion**

09:00-10:30

MYO-PET

**S2: MyoPET2 MYOCARDITIS, PERICARDITIS AND CARDIOMYOPATHIES IN CHILDREN**

**Chairpersons:** Slavko SIMEUNOVIĆ, Belgrade, RS; Jelena VOJINOVIĆ, Niš, RS;  
Milan ĐUKIĆ, Belgrade, RS

**09:00 Management of Acute and Recurrent Pericarditis in Children**

Vladislav VUKOMANOVIĆ, Belgrade, RS

**09:20 Management of Myocardial & Pericardial Involvement in Children with Rheumatic Autoimmune Diseases**

Jelena VOJINOVIĆ, Niš, RS

**09:40 Screening of Young Athletes for Asymptomatic Cardiomyopathies: Who Should be Excluded from Competitive Sport?**

Goran VUKOMANOVIĆ, Belgrade, RS

**10:00 Management of Cardiomyopathies in Children**

Vojislav PAREZANOVIĆ, Belgrade, RS

**10:20 Discussion**

# FRIDAY, OCTOBER 5, 2018

10:30-11:45 **Opening Ceremony**

PACIFIC

**Chairpersons:** Yehuda ADLER, Tel Hashomer, IL; Aleš LINHART, Prague, CZ; Antonis PANTAZIS, London, UK  
Vladimir KANJUJH, Belgrade, RS; Milika AŠANIN, Belgrade, RS; Arsen RISTIĆ, Belgrade, RS

**10:30**      **Welcome to Belgrade**  
Professor Arsen RISTIĆ, Belgrade, RS  
Chairman, 15<sup>th</sup> Conference of the ESC WG on Myocardial & Pericardial Diseases

**10:35**      **Welcome to Serbia**  
HRH Princess Katherine KARADORĐEVIĆ

**10:37**      **Welcome to Serbia on behalf of the Ministry of Health**  
Minister Zlatibor LONČAR, MD, PhD

**10:40**      **Welcome to Serbia on behalf of the Serbian Medical Association**  
Academician Professor Radoje ČOLOVIĆ

**10:43**      **Welcome to Belgrade**  
Professor Zoran RADOJIČIĆ, the Mayor of the City of Belgrade

## Keynote Lectures

**10:45**      **Evolving Role of Cardiac CT in Diagnosis of Myocardial and Pericardial Diseases**  
Professor Stephan ACHENBACH, Erlangen, DE  
President-Elect of the European Society of Cardiology

**11:05**      **New ESC Pericardial Guidelines: 30 Years of Work and 20 Years Ahead**  
Professor Yehuda ADLER, Tel Hashomer, IL  
Chairman, ESC WG on Myocardial & Pericardial Diseases

**11:20**      **“Magic of Serbian Ethno Music”**  
Performance by Students of the Faculty of Music, University of Arts in Belgrade  
Conductor: Professor Selena RAKOČEVIĆ, PhD, Department of Ethnomusicology

**11:45-12:30**      **Welcome Reception at the Exhibition Hall**

# FRIDAY, OCTOBER 5, 2018

12:30-13:30 Shire Symposium

PACIFIC

**Industry: 1** **DEEP DIVE INTO FABRY DISEASE: THINKING BEYOND THE TEXTBOOK**

**Chairperson:** Perry ELLIOTT, London, UK

**12:30** **Welcome and Introduction**

Perry ELLIOTT, London, UK

**12:40** **Diagnostic and Treatment Criteria for HCM Associated with Fabry Disease**

Philippe CHARRON, Paris, FR

**12:55** **Goals and Long-Term Outcomes of ERT**

Aleš LINHART, Prague, CZ

**13:10** **The Importance of Immunogenicity in Treatments in LSDs**

Christoph KAMPMANN, Mainz, DE

13:30-15:00

PACIFIC

**S3:** **INVASIVE AND INTERVENTIONAL PROCEDURES FOR MYOCARDIAL & PERICARDIAL DISEASES**

**Chairpersons:** Michael KINDERMANN, Homburg, DE; Michel NOUTSIAS, Halle, DE; Dejan SIMEUNOVIĆ, Belgrade, RS

**13:30** **Assessment and Interpretation of Invasive Hemodynamics in Myo-Pericardial Disease**

Video Demonstration: Arsen RISTIĆ, Belgrade, RS

Commentator: Allain L. KLEIN, Cleveland, US & Djordje JAKOVLJEVIĆ, Newcastle, UK

**14:00** **Endomyocardial Biopsy: Technical Tips, Approach, Safety...**

Video Demonstration: Bernhard MAISCH, Marburg, DE

Commentator: Michel NOUTSIAS, Halle, DE

**14:30** **RF Ablation in Cardiomyopathies, Myocarditis, and Constrictive Pericarditis**

Video Demonstration: Nebojša MUJOVIĆ, Belgrade, RS

Commentator: Dejan VUKAJLOVIĆ, Belgrade, RS & Regensburg, DE &

Dejan SIMEUNOVIĆ, Belgrade, RS



# FRIDAY, OCTOBER 5, 2018

13:30-15:00

ATLANTIC

- S4:** **MYOCARDITIS, PERICARDITIS & CARDIOMYOPATHIES: MANAGEMENT OF COMORBIDITIES**  
**Chairpersons:** Zorana VASILJEVIĆ, Belgrade, RS; Aleksandar LAZAREVIĆ, B. Luka, BA; Slobodan OBRADOVIĆ, Belgrade, RS
- 13:30** **Anticoagulation and Anti-Platelet Therapy in Patients with Myo/Pericardial Disease**  
Biljana OBRENOVIĆ-KIRČANSKI, Belgrade, RS
- 13:45** **Medical Management of Arrhythmias in Patients with Myo/Pericardial Disease**  
Tatjana POTPARA, Belgrade, RS
- 14:00** **Unprovoked VTE/PE: Which Condition Really Provoked it?**  
Mirza DILIĆ, Sarajevo, BA
- 14:15** **Right Ventricular Dysfunction in Chronic Thromboembolic Pulmonary Hypertension**  
Slobodan OBRADOVIĆ, Belgrade, RS
- 14:30** **Pulmonary Hypertension in Cardiomyopathies and Constrictive Pericarditis**  
Tamara KOVAČEVIĆ-PRERADOVIĆ, Banja Luka, BA
- 14:45** **Discussion**

13:30-15:00

MYO-PET

- S5: MyoPET3** **AMYLOIDOSIS IS HERE: A MULTIDISCIPLINARY APPROACH IS CRUCIAL**  
**Chairpersons:** Veselin MITROVIĆ, Bad Nauheim, DE; Marija ZDRAVKOVIĆ, Belgrade, RS; Zorica STEVIĆ, Belgrade, RS
- 13:30** **Amyloidosis: A Molecular Biologist's View**  
Sanja ĆIROVIĆ, Belgrade, RS
- 13:50** **Amyloidosis: What every Cardiologist needs to know to Avoid Misdiagnosis?**  
Ivan STANKOVIĆ, Belgrade, RS
- 14:10** **Amyloidosis and Selection of Tissue: The Surgeon is Essential in Finding Amyloid Deposits**  
Nebojša MITROVIĆ, Belgrade, RS
- 14:30** **The Pathologist's Perspective: How to Diagnose Amyloidosis?**  
Sanja MILENKOVIĆ, Belgrade, RS
- 14:50** **Discussion**
- 15:00-15:30** **Coffee Break/Poster Presentation Session 1**

# FRIDAY, OCTOBER 5, 2018

15:30-17:00

PACIFIC

## **S6: GREAT DEBATE INTERVENTIONAL VS. SURGICAL MANAGEMENT OF HEART FAILURE IN CARDIOMYOPATHIES**

**Chairpersons:** Antonis PANTAZIS, London, UK; Angelos RIGOPOULOS, Halle, DE; Mladen KOČICA, Belgrade, RS

- 15:30**      **Mitra-Clip vs. Surgery for DCM with Significant Mitral Regurgitation**  
Video Demonstration and Pro Mitra-Clip Lecture: Veselin MITROVIĆ, Bad Nauheim, DE  
Commentator Pro Surgery: Ivan STOJANOVIĆ, Belgrade, RS
- 16:00**      **LVAD vs. Stem-Cell Transplantation**  
Video Demonstration and Pro LVAD Lecture: Svetozar PUTNIK, Belgrade, RS  
Video Demonstration and Pro Stem-Cells Lecture: Slobodan OBRADOVIĆ & Marko BANOVIĆ, Belgrade, RS
- 16:30**      **Management of HOCM**  
Video Demonstration and Pro Surgery Lecture: Fabio DeROBERTIS, London, UK  
Video Demonstration and Pro PRO Alcohol Ablation Lecture:  
Angelos RIGOPOULOS, Halle, DE

15:30-17:00

ATLANTIC

## **S7: PREGNANCY IN MYOCARDIAL/PERICARDIAL DISEASE AND PERIPARTUM CARDIOMYOPATHY**

**Chairpersons:** Nebojša RADUNOVIĆ, Belgrade, RS; Karin KLINGEL, Tübingen, DE; Ingrid KINDERMANN, Homburg, DE

- 15:30**      **Pregnancy in Cardiomyopathies: State of the Art in Cardiac Management**  
Philippe CHARRON, Paris, FR
- 15:50**      **Myocarditis during Pregnancy: How to Proceed?**  
Michel NOUTSIAS, Halle, DE
- 16:10**      **Peripartum Cardiomyopathy**  
Ingrid KINDERMANN, Homburg, DE
- 16:30**      **Pericarditis and Pericardial Effusion during Pregnancy**  
Antonio BRUCATO, Bergamo, IT
- 16:50**      **Discussion**



# FRIDAY, OCTOBER 5, 2018

15:30-17:00

MYO-PET

**S8: MyoPET4 ECHOCARDIOGRAPHY IN MYOCARDITIS, PERICARDITIS, AND CARDIOMYOPATHIES: CASE-BASED LEARNING FOR CONTEMPORARY MODALITIES**

**Chairpersons:** Bosiljka VUJISIĆ-TEŠIĆ, Belgrade, RS; Milan PETROVIĆ, Belgrade, RS; Aleksandra NIKOLIĆ, Belgrade, RS

**15:30 Focus Cardiac Ultrasound for Myocardial and Pericardial Diseases**

Ivan STANKOVIĆ, Belgrade, RS

**15:45 Echocardiography in Diagnosis of Myocarditis, Pericarditis, and Cardiomyopathies**

Marina DELJANIN-ILIĆ, Niš, RS

**16:00 TEE and 3D/4D TEE: When and how in Myo/Pericardial Disease**

Ljiljana JOVOVIĆ, Belgrade, RS

**16:15 TDI and Strain in Myocardial and Pericardial Diseases**

Danijela TRIFUNOVIĆ, Belgrade, RS

**16:30 3D/4D Echocardiography in Myocardial and Pericardial Diseases**

Zorica MLADENOVIĆ, Belgrade, RS

**16:45 Discussion**

17:00-18:00 Hemofarm Symposium

PACIFIC

**Industry2: STATE OF THE ART IN THE MANAGEMENT OF HEART FAILURE & PULMONARY HYPERTENSION**

**Chairpersons:** Arsen RISTIĆ, Belgrade, RS; Petar OTAŠEVIĆ, Belgrade, RS

**17:00 Management of Heart Failure in Cardiomyopathies**

Petar OTAŠEVIĆ, Belgrade, RS

**17:30 Treatment of Pulmonary Arterial Hypertension: State of the Art 2018**

Arsen RISTIĆ, Belgrade, RS

# FRIDAY, OCTOBER 5, 2018

18:00-19:30

PACIFIC

- S9:** **INTERVENTIONAL PERICARDIOLOGY & SURGERY: VIDEO DEMONSTRATION**  
**Chairpersons:** Bernhard MAISCH, Marburg, DE; Massimo IMAZIO, Torino, IT;  
Aleksandar MIKIĆ, Belgrade, RS
- 18:00** **Echo Guided Pericardiocentesis**  
Video Demonstration: Aleksandar LAZAREVIĆ, Banja Luka, BA  
Commentator: Jae K. OH, Rochester, USA
- 18:20** **Echo/Fluoroscopy Guided Pericardiocentesis, Intrapericardial Treatment and Balloon Pericardiectomy**  
Video Demonstration: Arsen RISTIĆ & Dejan SIMEUNOVIĆ, Belgrade, RS  
Commentator: Bernhard MAISCH, Marburg, DE
- 18:40** **Pericardioscopy, Pericardial and Epicardial Biopsy**  
Video Demonstration: Bernhard MAISCH, Marburg, DE  
Commentator: Arsen RISTIĆ, Belgrade, RS
- 19:00** **Cardiac Surgery Interventions for the Treatment of Myocarditis and Pericarditis**  
Mauro RINALDI, Torino, IT
- 19:20** **Discussion**

18:00-19:30

ATLANTIC

- S10:** **ETIOLOGICAL DIAGNOSIS AND MANAGEMENT OF MYOCARDITIS**  
**Chairpersons:** Heinz-Peter SCHULTHEISS, Berlin, DE; Sabine PANKUWEIT, Marburg, DE;  
Igor MRDOVIĆ, Belgrade, RS
- 18:00** **How to Diagnose Viral Myocarditis?**  
Karin KLINGEL, Tübingen, DE
- 18:15** **CRP and other Markers of Inflammation in Myocarditis and Pericarditis**  
Peter SEIZER, Tübingen, DE
- 18:30** **The Role of MRI in DDg of Myocardial Diseases**  
Ali YILMAZ, Muenster, DE
- 18:45** **Aetiology Directed Therapy of Viral Myocarditis**  
Carsten TSCHÖPE, Berlin, DE
- 19:00** **Organ-Specific Autoimmune Myocarditis-Diagnosis and Therapy**  
Alida CAFORIO, Padova, IT
- 19:15** **Discussion**

# FRIDAY, OCTOBER 5, 2018

18:00-19:30

MyoPET

## S11: MyoPET5 **CARDIO-ONCOLOGY: CASE BASED LEARNING**

**Chairpersons:** Svetlana APOSTOLOVIĆ, Niš, RS; Ruxandra JURCUT, Bucharest, RO; Ivana BURAZOR, Belgrade, RS

### 18:00 **Cardio-Oncology: Key Messages for the Clinicians**

Ruxandra JURCUT, Bucharest, RO

### 18:15 **Recurrent Pericardial Effusion as a Side Effect of Imatinib Treatment for GIST**

Ivana VELJIĆ, Belgrade, RS

### 18:30 **Asymptomatic Large B-Cell Non-Hodgkin Lymphoma Infiltrating the Heart and the Pericardium**

Jelena DUDIĆ, Belgrade, RS

### 18:45 **Slowly Evolving Pericardial Mesothelioma Causing Constriction**

Ivan MILINKOVIĆ, Belgrade, RS

### 19:00 **Cardiogenic Shock in a Patient with a Mediastinal Mass**

Snežana BJELIĆ, Sremska Kamenica, RS

### 19:15 **Discussion**

20:30-23:30

PACIFIC

## **Dinner Session/ MyoPET JEOPARDY Quiz (Myocardial/Pericardial Experts of Tomorrow Quiz)** **3 teams from different countries: Europe vs. World vs. WEB (Western Balkans)** **Expected duration for quiz: 45 mins**

Session Organizers:

Ivan STANKOVIĆ, Belgrade, RS, Milorad TEŠIĆ, Belgrade, RS; Ivana VELJIĆ, Belgrade, RS; Ivana BURAZOR, Belgrade, RS and Myocardial/Pericardial Experts of Tomorrow Judges/Chairpersons: Lorenzo MONSERRAT, A Coruña, ES; Goran KORAČEVIĆ, Niš, RS

Team Coaches: **Europe** (M. Imazio) vs. **World** (Y. Adler) vs. **WEB** (A. Ristić)

*This dinner is by invitation & voucher only*

# SATURDAY, OCTOBER 6, 2018

09:00-10:30

PACIFIC

- S12: MYO/PERICARDIAL PATHOLOGY FOR THE CLINICIANS**  
**Chairpersons:** Vladimir KANJUJ, Belgrade, RS; Cristina BASSO, Padova, IT; Vesna BOŽIĆ, Belgrade, RS
- 09:00 Benign Tumours of the Heart with Malignant Location**  
Vladimir KANJUJ, Belgrade, RS
- 09:15 Mitochondrial Cardiomyopathies**  
Jens MOGENSEN, Odense, DK
- 09:30 Myocarditis: Histology, Immunohistochemistry and Differential Diagnosis**  
Karin KLINGEL, Tübingen, DE
- 09:45 Myocardial Storage Diseases**  
Michael ARAD, Tel Hashomer, IL
- 10:00 ARVC: Clinical Implications of Pathohistology Findings**  
Cristina BASSO, Padova, IT
- 10:15 Discussion**

09:00-10:30

ATLANTIC

- S13: CARDIOVASCULAR GENETICS AND COUNSELLING IN MYO/PERICARDIAL DISEASES**  
**Chairpersons:** Philippe CHARRON, Paris, FR; Aris ANASTASAKIS, Athens, GR; Angelos RIGOPOULOS, Halle, DE
- 09:00 Pedigrees and Penetrance in Heritable Cardiomyopathies**  
Eloisa ARBUSTINI, Pavia, IT
- 09:20 Genetic Testing in Cardiomyopathies: From Disease-Specific Gene Panel to Whole Genome Sequencing?**  
Maria Teresa TOME ESTEBAN, London, UK
- 09:40 Interpreting the Genetic Test: From Genotypes to Sequencing and Pharmacogenetics**  
Lorenzo MONSERRAT, A Coruña, ES
- 10:00 Integrating Genetic Testing into Multidisciplinary Management of Sudden Cardiac Death**  
Jens MOGENSEN, Odense, DK
- 10:20 Discussion**

# SATURDAY, OCTOBER 6, 2018

09:00-10:30

MYO-PET

## S14 MyoPET6: MANAGEMENT OF INFLAMMATION AND VIRAL INFECTION

**Chairpersons:** Yehuda ADLER, Tel Hashomer, IL; George LAZAROS, Athens, GR;  
Milan PAVLOVIĆ, Niš, RS

**09:00 NSAIDs and Colchicine in the Management of Acute and Recurrent Pericarditis**  
Massimo IMAZIO, Torino, IT

**09:20 Anakinra and other Monoclonal Antibodies for Acute and Recurrent Pericarditis**  
Antonio BRUCATO, Bergamo, IT

**09:40 Immunosuppression in Isolated Autoimmune Myocarditis**  
Renzo MARCOLONGO, Padova, IT

**10:00 Anti-Viral Drugs, Intravenous Immunoglobulins and Immunoabsorption**  
Stephan B. FELIX, Greifswald, DE

**10:20 Discussion**

**10:30-11:00 Coffee Break/Poster Presentation Session 2**

11:00-12:30

PACIFIC

## S15: CLINICAL RED FLAGS FOR IN-DEPTH ETIOLOGICAL DIAGNOSIS OF CARDIOMYOPATHIES

**Chairpersons:** Vladimir KANJUH, Belgrade, RS; Aris ANASTASAKIS, Athens, GR;  
Karin KLINGEL, Tübingen, DE

**11:00 From LV Dysfunction to Dilated Cardiomyopathy and Back**  
Andre KEREN, Jerusalem, IL

**11:20 Inflammatory Cardiomyopathy**  
Ingrid KINDERMANN, Homburg, DE

**11:40 Hypertrophic Cardiomyopathy**  
Angelos RIGOPOULOS, Halle, DE

**12:00 Restrictive Cardiomyopathy**  
Michael ARAD, Tel Hashomer, IL

**12:20 Discussion**



# SATURDAY, OCTOBER 6, 2018

11:00-12:30

ATLANTIC

- S16: SPECIFIC MANAGEMENT OF CARDIOMYOPATHIES**  
**Chairpersons:** Perry ELLIOTT, London, UK; Aleš LINHART, Prague, CZ;  
Maria Teresa TOME ESTEBAN, London, UK
- 11:00 Enzyme Replacement Therapy**  
Aleš LINHART, Prague, CZ
- 11:20 Transthyretin Kinetic Stabilizers**  
Claudio RAPEZZI, Bologna, IT
- 11:40 Antisense Oligonucleotide-and RNA Interference-Based Therapeutics**  
Pablo GARCIA-PAVIA, Madrid, ES
- 12:00 Personalized Medicine in the Management of DCM/DCMi**  
Heinz-Peter SCHULTHEISS, Berlin, DE
- 12:20 Discussion**

11:00-12:30

MyoPET

- S17 MyoPET7: ETIOLOGICAL DIAGNOSIS AND MANAGEMENT OF PERICARDIAL DISEASES**  
**Chairpersons:** Bernhard MAISCH, Marburg, DE; Antonio BRUCATO, Bergamo, IT;  
Arsen D. RISTIĆ, Belgrade, RS
- 11:00 Infectious Etiology of Pericarditis**  
Sabine PANKUWEIT, Marburg, DE
- 11:20 Neoplastic Pericardial Disease**  
Ivana BURAZOR, Belgrade, RS
- 11:40 Post-Cardiotomy Syndrome and Dressler's Syndrome**  
Massimo IMAZIO, Torino, IT
- 12:00 Surgical Management of Constrictive Pericarditis: State of the Art**  
Mladen KOČICA, Belgrade, RS
- 12:20 Discussion**



# SATURDAY, OCTOBER 6, 2018

12:30-13:30 **Pfizer Symposium** PACIFIC

**Industry 3:** **TRANSTHYRETIN AMYLOID CARDIOMYOPATHY: GETTING TO THE HEART OF THE MATTER**

**Chairpersons:** Perry ELLIOTT, London, UK; Aleš LINHART, Prague, CZ

12:30 **Welcome and Introduction**

Chairs

12:35 **Recognising and Diagnosing Transthyretin Amyloid Cardiomyopathy (ATTR-CM)**

Marianna FONTANA, London, UK

12:55 **Identifying ATTR-CM: Looking beyond the Heart (France)**

Olivier LAIREZ, France

13:10 **Further Investigations in Heart Failure: The Importance of Achieving a Differential Diagnosis**

Pablo GARCÍA-PAVÍA, Madrid, SPAIN

13:25 **Symposium Close**

Chairs

13:30-14:00 **Lunch Break**

14:00-15:30 PACIFIC

**S18:** **SUDDEN DEATH PREVENTION IN CARDIOMYOPATHIES: CLINICAL DECISION-MAKING BASED ON THE ECG, HOLTER RECORDINGS, CLINICAL RED FLAGS, AND GENETICS**

**Chairpersons:** Perry ELLIOTT, London, UK; Lorenzo MONSERRAT, A Coruña, ES; Siniša U. PAVLOVIĆ, Belgrade, RS

14:00 **Sudden Death Prevention in Myocarditis and Peripartum Cardiomyopathy: Predictive ECG and Electrophysiological Parameters?**

Christian UKENA, Homburg, DE

14:20 **Prevention of Sudden Death in DCM, RCM and LVNC**

Goran MILAŠINOVIĆ, Belgrade, RS

14:40 **Prevention of Sudden Death in Hypertrophic Cardiomyopathy**

Perry ELLIOTT, London, UK

15:00 **Prevention of Sudden Death in Arrhythmogenic Cardiomyopathy**

Antonis PANTAZIS, London, UK

15:20 **Discussion**

# SATURDAY, OCTOBER 6, 2018

14:00-15:30

ATLANTIC

- S19: CARDIAC AMYLOIDOSIS: DIFFERENTIAL DIAGNOSIS AND MANAGEMENT**  
**Chairpersons:** Claudio RAPEZZI, Bologna, IT; Pablo GARCIA-PAVIA, Madrid, ES; Sanja MILENKOVIĆ, Belgrade, RS
- 14:00 Definition, Classification and Differential Diagnosis of Cardiac Amyloidosis**  
Claudio RAPEZZI, Bologna, IT
- 14:20 AL-Amyloidosis: Diagnosis and Management**  
Mitja LAINŠČAK, Golnik, SI
- 14:40 TTR-FAP: Diagnosis and Management**  
Pablo GARCIA-PAVIA, Madrid, ES
- 15:00 Wild Type Cardiac TTR Amyloidosis: Are we facing a Revolution in Finding Disease Modifying Therapies?**  
Jacob GEORGE, Jerusalem, IL
- 15:20 Discussion**

14:00-15:30

MyoPET

- S20: MyoPET8 HOW TO PERFORM PCR IN ENDOMYOCARDIAL AND PERICARDIAL BIOPSIES?**  
**Moderator and Session Organizer:** Sabine PANKUWEIT, Marburg, DE  
**Chairpersons:** Bernhard MAISCH, Marburg, DE; Maja STANOJEVIĆ, Belgrade, RS; Aleksandra KNEŽEVIĆ, Belgrade, RS
- 14:00 Tissue Processing and Preparation: Should Biopsies be Snap-Frozen or Fixed in RNA- Later or?**  
Heike ECKHARDT, Sabine PANKUWEIT, Marburg, DE
- 14:20 Methods: Nested-PCR/Reverse Transcription PCR, Pre-amplification Techniques and Beyond**  
Sabine PANKUWEIT, Marburg, DE
- 14:40 Interpretation of PCR Findings from Endomyocardial and Pericardial Biopsies**  
Bernhard MAISCH, Marburg, DE
- 15:00 Panel Discussion**
- 15:30-16:00 Coffee Break/Poster Presentation Session 3**

# SATURDAY, OCTOBER 6, 2018

16:00-17:00 Novartis Symposium

PACIFIC

**Industry 4:** **SACUBITRIL/VALSARTAN – A MAJOR STEP FORWARD IN THE MANAGEMENT OF HEART FAILURE**

**Moderator:** Petar M. SEFEROVIĆ, Belgrade, RS

**17:00** **Introduction: What is New in the Management of Heart Failure?**

Petar M. SEFEROVIĆ, Belgrade, RS

**17:30** **Is it Time to TRANSITION: When and Why Should we Switch to Sacubitril/Valsartan?**

Arsen RISTIĆ, Belgrade, RS

17:00-18:30

PACIFIC

**S21:** **ECHOCARDIOGRAPHY IN PERICARDIAL DISEASES**

**Chairpersons:** Jae K. OH, Rochester, USA; Massimo IMAZIO, Torino, IT;  
Anastazija MILOSAVLJEVIĆ, S. Kamenica, RS

**17:00** **Acute (Myo) Pericarditis**

Anastazija MILOSAVLJEVIĆ, S. Kamenica, RS

**17:20** **Imaging Guided Therapy of Recurrent Pericarditis**

Allain L. KLEIN, Cleveland, US

**17:40** **Pericardial Effusion, Cysts, Masses and Cardiac Tamponade**

George LAZAROS, Athens, GR

**18:00** **Constrictive Pericarditis: Paradoxical Curable Diastolic Heart Failure**

Jae K. OH, Rochester, USA

**18:20** **Discussion**

# SATURDAY, OCTOBER 6, 2018

17:00-18:30

ATLANTIC

- S22: FUNCTIONAL ASSESMENT OF CARDIOMYOPATHIES AND CONSTRICTIVE PERICARDITIS**  
**Chairpersons:** Miodrag OSTOJIĆ, Belgrade, RS; Michael ARAD, Tel Hashomer, IL; Maria Teresa TOME ESTEBAN, London, UK
- 17:00 Stress-Echo Tests in Cardiomyopathies and Constrictive Pericarditis**  
Petar OTAŠEVIĆ, Belgrade, RS
- 17:20 Invasive Hemodynamics Assessment during Stress Test**  
Veselin MITROVIĆ, Bad Nauheim, DE
- 17:40 Non-Invasive Central Haemodynamic Assessment during Stress Testing in Heart Failure**  
Djordje JAKOVLJEVIĆ, Newcastle, UK
- 18:00 Cardiopulmonary Exercise Testing in Cardiomyopathies and Constrictive Pericarditis**  
Dejana POPOVIĆ, Belgrade, RS
- 18:20 Discussion**

17:00-18:30

MYO-PET

- S23: MyoPET9 SYSTEMIC AUTOIMMUNE DISEASES INVOLVING THE HEART AND THE PERICARDIUM**  
**Chairpersons:** Yehuda ADLER, Tel Hashomer, IL; Cosimo BRUNI, Florence, IT; Gorica RISTIĆ, Belgrade, RS
- 17:00 Pericardial Effusion in Systemic Autoimmune Diseases: A Marker of Diseases Activity or more?**  
Nemanja DAMJANOV, Belgrade, RS
- 17:20 Myocarditis in Systemic Autoimmune Diseases: The Cardiologist's Perspective**  
Alida CAFORIO, Padova, IT
- 17:40 Myocardial Involvement in Systemic Autoimmune Diseases: The Rheumatologist's Perspective**  
Marco MATUCCI-CERINIC, Florence, IT
- 18:00 Lessons Learned from Rheumatology for the Management of Myocardial and Pericardial Diseases**  
Antonio BRUCATO, Bergamo, IT
- 18:20 Discussion**

# SUNDAY, OCTOBER 7, 2018

09:00-10:30

PACIFIC

## Joint Session with Heart Failure Association of the ESC

### **S24: HEART FAILURE IN CARDIOMYOPATHIES: THERAPEUTIC IMPLICATIONS OF GENETIC BACKGROUND AND CLINICAL PHENOTYPE**

**Chairpersons:** Petar M. SEFEROVIĆ, Belgrade, RS; Aleš LINHART, Prague, CZ; Dragan SIMIĆ, Belgrade, RS

#### **09:00 Heart Failure in Dilated and Hypokinetic Non-Dilated Cardiomyopathy**

Petar M. SEFEROVIĆ, Belgrade, RS

#### **09:20 Heart Failure in Takotsubo and Peripartum Cardiomyopathy**

Michel NOUTSIAS, Halle, DE

#### **09:40 Heart Failure in Hypertrophic Cardiomyopathy**

Claudio RAPEZZI, Bologna, IT

#### **10:00 Heart Failure in Restrictive and Infiltrative Cardiomyopathies**

Carsten TSCHÖPE, Berlin, DE

#### **10:20 Discussion**

09:00-10:30

ATLANTIC

### **S25: ECHOCARDIOGRAPHY IN CARDIOMYOPATHIES**

**Chairpersons:** Jae K. OH, Rochester, USA; Tamara KOVAČEVIĆ-PRERADOVIĆ, B. Luka, BA; Marina DELJANIN-ILIĆ, Niš, RS

#### **09:00 Restrictive Cardiomyopathy: The Role of Echocardiography in Differential Diagnosis**

Allain L. KLEIN, Cleveland, US

#### **09:20 Dilated Cardiomyopathy: Assessment of Contractility, Volumes, Asynchrony, Strain, 3D/4D**

Tamara KOVAČEVIĆ-PRERADOVIĆ, B. Luka, BA

#### **09:40 Specific Echocardiography Findings in Cardiomyopathies: Chagasic Cardiomyopathy, Non-Compaction, Fabry, Amyloidosis, ARVC...**

Ali HAMEDANCHI, Jena, DE

#### **10:00 RV Function and Mechanics in Chemotherapy- and Radiotherapy-Naive Cancer Patients**

Marijana TADIĆ, Berlin, DE

#### **10:20 Discussion**



# SUNDAY, OCTOBER 7, 2018

09:00-10:30

MyoPET

- S26:** **BLEEDING IN THE PERICARDIUM: HOW TO SURVIVE?**  
**Chairpersons:** Bernhard MAISCH, Marburg, DE; Allain L. KLEIN, Cleveland, US;  
Siniša STOJKOVIĆ, Belgrade, RS
- 09:00** **Introductory Keynote Lecture: How to Prevent & Manage Iatrogenic Haemopericardium during PCI?**  
Ilija SRDANOVIĆ, Sremska Kamenica, RS
- 09:15** **Hemopericardium during TAVR**  
Saša LONČAR, Banja Luka, BA
- 09:30** **Management of Hemopericardium during Electrophysiology Procedures**  
Milan MARINKOVIĆ, Belgrade, RS
- 09:45** **Hemopericardium after Pacemaker Implantation**  
Aneta ALEKSOVA, Trieste, IT
- 10:00** **Perforation during Endomyocardial Biopsy**  
Stefan ZAHARIJEV, Belgrade, RS
- 10:15** **Take Home Message: How to Prevent and Manage Iatrogenic Hemopericardium during Endomyocardial Biopsy, Pacemaker Implantation and TAVR**  
Michael KINDERMANN, Homburg, DE

10:30-11:00 **Coffee Break/Poster Presentation Session 5**

11:00-12:30

PACIFIC

## Joint Session with Heart Failure Association of the ESC

- S27:** **MEDICAL MANAGEMENT OF HEART FAILURE IN CARDIOMYOPATHIES**  
**Chairpersons:** Andre KEREN, Jerusalem, IL; Petar M. SEFEROVIĆ, Belgrade, RS;  
Dragan DINČIĆ, Belgrade, RS
- 11:00** **ACEi vs. ATII vs. Sacubitril-Valsartan**  
Petar M. SEFEROVIĆ, Belgrade, RS
- 11:20** **Beta Blockers, Digitalis and/or Ivabradine**  
Mitja LAINŠČAK, Golnik, SI
- 11:40** **Diuretics for the Management of HFrEF and HFpEF in Cardiomyopathies**  
Davor MILIČIĆ, Zagreb, HR
- 12:00** **Biomarkers of Myocardial Lesion and Heart Failure in Myo/Pericardial Diseases**  
Sanja STANKOVIĆ, Belgrade, RS
- 12:20** **Discussion**



# SUNDAY, OCTOBER 7, 2018

11:00-12:30

ATLANTIC

## Joint Session with Heart Failure Association of the ESC and WSF

- S28: MYOCARDIAL DYSFUNCTION AND HEART FAILURE IN SYSTEMIC SCLEROSIS**  
**Chairpersons:** Marco MATUCCI-CERINIC, Florence, IT; Šekib SOKOLOVIĆ, Sarajevo, BA; Nemanja DAMJANOV, Belgrade, RS
- 11:00 Myocardial Dysfunction in Systemic Sclerosis: Rheumatologists View**  
Marco MATUCCI-CERINIC, Florence, IT
- 11:10 Myocardial Dysfunction in Systemic Sclerosis: Cardiologists View**  
Aleksandra DJOKOVIĆ, Belgrade, RS
- 11:20 Complex Patients with Systemic Sclerosis: What we Miss in Diagnosis and Management**  
Cosimo BRUNI, Florence, IT
- 11:30 Echocardiography in Detection of Myocardial Dysfunction in Systemic Sclerosis**  
Ali HAMEDANCHI, Jena, DE
- 11:40 Cardiac MRI in Systemic Sclerosis**  
Ružica MAKSIMOVIĆ, Belgrade, RS
- 11:50 Arrhythmias in Systemic Sclerosis**  
Marija POLOVINA, Belgrade, RS
- 12:00 Summary of the Session: Future Directions in the Diagnosis and Management of Myocardial Dysfunction in Systemic Sclerosis**  
Marco MATUCCI-CERINIC, Florence, IT
- 12:20 Discussion**

# SUNDAY, OCTOBER 7, 2018

11:00-12:30

MyoPET

- S29: PREVENTION AND REHABILITATION IN MYO/PERICARDIAL DISEASES**  
**Chairpersons:** Yehuda ADLER, Tel Hashomer, IL, Zlatko FRAS, Ljubljana, SI;  
Stevan ILIĆ, Niš, RS
- 11:00 Lipid Lowering Nutraceuticals in Myo/Pericardial Diseases?**  
Zlatko FRAS, Ljubljana, SI
- 11:15 Screening for Myo/Pericardial Diseases in Athletes: Could we Prevent all Sudden Deaths?**  
Aris ANASTASAKIS, Athens, GR
- 11:30 Management of Arterial Hypertension in Patients with Myo/Pericardial Disease**  
Nebojša TASIĆ, Belgrade, RS
- 11:45 Professional and Recreational Sports after Cardiomyopathies, Myocarditis or Pericarditis**  
Slobodan DODIĆ, Sr. Kamenica, RS
- 12:00 Exercise and Rehabilitation in Cardiomyopathies and after Pericardiectomy for Constrictive Pericarditis**  
Ivana BURAZOR, Belgrade, RS
- 12:15 Discussion**

12:30-14:00

PACIFIC

- S30: METABOLIC BACKGROUND OF MYOCARDIAL AND PERICARDIAL DISEASES**  
**Chairpersons:** Dragan MICIĆ, Belgrade, RS; Katarina LALIĆ, Belgrade, RS;  
Babak SHARIF KASHANI, Tehran, IR
- 12:30 Diabetic Cardiomyopathy: Diagnosis and Management**  
Jelena P. SEFEROVIĆ, Boston, USA & Belgrade, RS
- 12:50 Management of Diabetes in Patients with Cardiomyopathies**  
Nebojša M. LALIĆ, Belgrade, RS
- 13:10 Hemochromatosis as a Cause of Dilated Cardiomyopathy and Heart Failure**  
Babak SHARIF KASHANI, Tehran, IR
- 13:30 Uremic Pericarditis: Diagnosis and Management**  
Andreja ČERNE, Ljubljana, SI
- 13:50 Discussion**

# SUNDAY, OCTOBER 7, 2018

12:30-14:00

ATLANTIC

- S31:**            **DEVICES AND HEART TRANSPLANTATION IN CARDIOMYOPATHIES**  
**Chairpersons:** Stephan B. FELIX, Greifswald, DE; Djordje JAKOVLJEVIĆ, Newcastle, UK;  
Emilija NESTORVIĆ, Belgrade, RS
- 12:30**            **ECMO and other Short-Term MCS in Acute Myocarditis and Cardiomyopathies**  
Davor MILIČIĆ, Zagreb, HR
- 12:50**            **Long-Term MCS: LV- and Biventricular Support**  
André SIMON, Harefield, UK
- 13:10**            **Implantable Sensors, Defibrillators and Pacing**  
Siniša U. PAVLOVIĆ, Belgrade, RS
- 13:30**            **Heart Transplantation in Cardiomyopathies**  
Pascal LEPRINCE, Paris, FR
- 13:50**            **Discussion**

12:30-14:00

MyoPET

- S32:**            **MYOCARDITIS, PERICARDITIS & CARDIOMYOPATHIES: STATE OF THE ART IN MANAGEMENT**  
**Chairpersons:** Zumreta KUŠLJUGIĆ, Tuzla, BA ; Petar OTAŠEVIĆ, Belgrade, RS;  
Predrag MITROVIĆ, Belgrade, RS
- 12:30**            **Anti-Inflammatory, Immunospressive and Biological Therapy in Pericarditis and Myocarditis**  
Šekib SOKOLOVIĆ, Sarajevo, BA
- 12:45**            **Management of Pericardial Effusion in GUCH and PAH: Is it all caused by RV Failure?**  
Dimitra KALIMANOVSKA-OŠTRIĆ, Belgrade, RS
- 13:00**            **Management of Cardiac Tamponade**  
Milan PAVLOVIĆ, Niš, RS
- 13:15**            **Pharmacotherapy for Heart Failure in Cardiomyopathies and Constrictive Pericarditis**  
Goran LONČAR, Belgrade, RS
- 13:30**            **Pleural Effusion and Ascites in Patients with Cardiomyopathies and Heart Failure: Drainage vs. Medical Management**  
Aleksandar LAZAREVIĆ, Banja Luka, BA
- 13:45**            **Discussion**







# POSTER PRESENTATIONS



# POSTER PRESENTATIONS

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## Arrhythmology, Electrophysiology and Pacing

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- 1. QRS-T Angle Predicts the Future Development of Atrial Fibrillation in Patients with End-Stage Renal Disease**  
Hyemoon CHUNG, Seoul, KR
- 2. Factors Associated to ICD Implantation in Dilated Cardiomyopathy in Real Life in Europe: Insight from EORP Registry**  
Aitor HERNANDEZ, Madrid, ES
- 3. Complete Heart Block with Escape Rhythm in Serologically Confirmed Dengue Fever**  
Baj Gamage Anushka RATHNAMALI, Colombo, LK
- 4. A Very Rare Cause of Bidirectional Ventricular Tachycardia: Pheochromocytoma**  
Fuad SAMADOV, Baku, AZ
- 5. Lamin A/C Dilated Cardiomyopathy and Predictors of Ventricular Tachyarrhythmias**  
Tatiyana VAIKHANSKAYA, Minsk, BY
- 6. Diagnosis and Treatment of Postoperative Junctional Ectopic Tachycardia in Children Single Center Experience**  
Tatyana VERSHININA, Saint-Petersburg, RU
- 7. Arrhythmic Burden in Patients with Myocarditis: When do Life-Threatening Ventricular Arrhythmias Occur?**  
Jan WINTRICH, Homburg, DE

## Cardiovascular Genetics

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- 8. Cardiogenetic Approach in Children Cardiomyopathies: Does it make a Difference in Clinical Pathway? Results on the Basis of a Cohort of 250 Children**  
Anwar BABAN, Rome, IT
- 9. Determinants of Mitral Leaflet size in Hypertrophic Cardiomyopathy**  
Hyemoon CHUNG, Seoul, KR
- 10. Dilated Cardiomyopathy Due to BAG3 Mutations: Clinical Characteristics and Clinical History**  
Fernando DOMINGUEZ, Madrid, ES
- 11. High Throughput Sequencing of Hypertrophic Cardiomyopathy Genes in Maltese Patients Identifies likely Disease-Causing Mutations**  
Tiziana FELICE, Msida, MT
- 12. Finnish DSP c.6310delA, p.(Thr2104Glnfs\*12) Heterozygotes Present with DCM Phenotype, Conduction Defects and Ventricular Arrhythmias**  
Krista HELIÖ, Helsinki, FI

- 13. A TPM1 gene Variant Acts as a Genetic Trigger Underlying the Development of Left Ventricular Noncompaction**  
Keiichi HIRONO, Toyama, JP
- 14. Genotype-Phenotype Correlation for Children with Left Ventricular Noncompaction and Congenital Heart Disease**  
Keiichi HIRONO, Toyama, JP
- 15. Cardiac Involvement in the Full Cohort of Romanian Fabry Disease Patients**  
Ruxandra JURCUT, Bucharest, RO
- 16. A Pair of Monozygotic Twins with Myocarditis and Arrhythmogenic Right Ventricular Cardiomyopathy Related DSP Gene Variant**  
Antheia KISSOPOULOU, Jönköping, SE
- 17. TPM1 Arg21Leu: A Benign Prognosis Rare Variant in Hypertrophic Cardiomyopathy**  
Arsonval LAMOUNIER Junior, A Coruña, ES
- 18. Prevalence of Cardiac Amyloidosis among Elderly Patients with Systolic Heart Failure or Conduction Disorders**  
Angela LOPEZ SAINZ, Madrid, ES
- 19. The Role of Adipocyte Enhancer-Binding Protein-1 in Atherosclerosis, other Cardiovascular Diseases and Cardioembolic Stroke**  
Amin MAJDALAWIEH, Sharjah, AE
- 20. HindIII Gene Polymorphism and the Effectiveness of Statin Therapy in Patients with Hypercholesterolemia**  
Galina MAL, Kursk, RU
- 21. Formin Homology 2 Domain Containing 3 (FHOD3) is a Novel Disease-Causing Gene in Hypertrophic Cardiomyopathy**  
Juan Pablo OCHOA, A Coruña, ES
- 22. Pitfall of Bone Scintigraphy in a Case of Familial Transthyretin-Related Cardiac Amyloidosis**  
Domitilla RUSSO, Rome, IT
- 23. A Novel and the Novo Lamp-2 Mutation in a Woman with Danon Disease Presenting with an unusual Phenotype**  
Rafael SANTOS, Lisbon, PT
- 24. Prevalence of Dilated Cardiomyopathy in Patients with Marfan Syndrome**  
Yulia SURIKOVA, Moscow, RU
- 25. Cardiac Involvement in the Rare TTR Tyr78Phe Mutation**  
Giacomo TINI MELATO, Genova, IT
- 26. Dilated Cardiomyopathy as a Presenting Phenotype of Danon Disease**  
Tatiana VAIKHANSKAYA, Minsk, BY

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## Cardiovascular Surgery

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**27. Criteria of Urgency for Heart Transplantation for Patients in UNOS-2 Status**

Volha SUJAYEVA, Minsk, BY

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## Cardiovascular Pathology

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**28. Cardiovascular Magnetic Resonance as a Significant Tool in Diagnosis of Exertional Fatigue in Professional Athlete-Case Report**

Milica ALEKSIC, Belgrade, RS

**29. The Register of Pericarditis in the University Therapeutic Clinic: Nosological Spectrum, Approaches to Diagnosis and Treatment**

Olga BLAGOVA, Moscow, RU

**30. The Myocarditis as a Typical Phenomenon in Primary Noncompact Myocardium: Diagnostics, Treatment and Impact on the Outcome**

Olga BLAGOVA, Moscow, RU

**31. The Left Ventricular Noncompaction Syndrome in Adult Patients: Clinical Variants, Complications and Outcomes**

Olga BLAGOVA, Moscow, RU

**32. Double Trouble: MINOCA Presentation of Antiphospholipid Syndrome in Monozygotic Twins**

Aleksandra DJOKOVIC, Belgrade, RS

**33. Anakinra for Recurrent pericarditis: Results from a Real-World European Registry (BEAT Registry)**

Massimo IMAZIO, Torino, IT

**34. Outcome of Acute and Recurrent Pericarditis in Children: The Role of Steroids and Colchicine**

Stasa KRASIC, Belgrade, RS

**35. Etiology, Efficacy of Treatment and Prognosis of Cardiac Tamponade: Single Centre Experience**

Emilija LAZAROVA, Skopje, MK

**36. Post-Cardiac Injury Syndrome: The First Reported Case Following Transcatheter Aortic Valve Implantation**

Redi LLUBANI, Homburg, DE

**37. Interleukin-1 $\beta$  Receptor Antagonist and Pericardial Constriction**

Antonio BRUCATO, Bergamo, IT

**38. The Effect of Job Stress on Risk of Acute Cardiovascular Diseases in Population of 25-64 years in Russia/Siberia: Based on WHO Program MONICA-Psychosocial**

Dmitriy PANOV, Novosibirsk, RU

**39. Management of Recurrent Pericarditis During Pregnancy**

Nikki PLUYMAEKERS, Maastricht, NL

40. **Cardiomyopathy in Major Eosinophilia**  
Imene RACHDI, Tunis, TN
41. **Excessive Intimal Hyperplasia in Human Coronary Arteries Before Intimal Lipid Depositions is the Initiation of Coronary Atherosclerosis and Constitutes a Therapeutic Target**  
Vladimir SUBBOTIN, Pittsburgh, PA, USA
42. **The Cholesterol Hypothesis of Coronary Atherosclerosis and Claude Bernard**  
Vladimir SUBBOTIN, Pittsburgh, PA, USA
43. **Coronary Artery Predicament: Different Maladies of Same Conduit. Can Occam's Razor Help?**  
Vladimir SUBBOTIN, Pittsburgh, PA, USA
44. **Enigma of Coronary Neointimal Pathology: Are we Really Interested in Getting the Answers?**  
Vladimir SUBBOTIN, Pittsburgh, PA, USA
45. **A Difficult Path to Desminopathy Diagnosis**  
Tatiana VAIKHANSKAYA, Minsk, BY
46. **The Role of IL-23 in Autoimmune Myocarditis Development**  
Daria VDOVENKO, Zurich, CH
47. **Clinical Characteristics and Outcomes of Adult Patients with Duchenne Muscular Dystrophy Followed in a Cardiomyopathy Clinic**  
Donna ZFAT-ZWAS, Jerusalem, IL

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## Heart Failure

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48. **Immunosuppressive Therapy of Biopsy Proved Immune-Mediated Lymphocytic Myocarditis in the Virus-Negative and Virus-Positive Patients**  
Olga BLAGOVA, Moscow, RU
49. **Factors Associated with Adverse Prognosis in Patients with Hypertrophic Cardiomyopathy (HCM)**  
Olena BUTKO, Kharkiv, UA
50. **Immunoadsorption Therapy (IA) in DCM Patients: Can Anti-Heart Autoantibodies Predict the Responsiveness to IA Therapy?**  
Bishwas CHAMLING, Greifswald, DE
51. **Reduced Coronary Flow Reserve is Associated with Impaired Ventriculoarterial Interaction in Patients with Obstructive Sleep Apnea**  
Hyemoon CHUNG, Seoul, KR
52. **Efficacy of Tafamidis in Transthyretin Amyloid Cardiomyopathy in the ATTR-ACT Trial: Sensitivity Analyses Further Support the Primary Results**  
Perry ELLIOTT, London, UK
53. **A Case with Acute Chest Pain**  
Sibel ENAR, Istanbul, TR



54. **Subgroups of Monocytes Predict Cardiovascular Events in Patients with Coronary Heart Disease: The PHAMOS Trial (Prospective Halle Monocytes Study)**  
Michel NOUSSIAS, Halle, DE
55. **Recurrent Takotsubo Cardiomyopathy Associated with Epilepsy: A Case Report**  
Antonios IOANNIDIS, Thessaloniki, GR
56. **Right Ventricular Global Longitudinal Strain Predicts Survival in Patients with Heart Failure and Conduction Delays**  
Aleksandra JANICIJEVIC, Belgrade, RS
57. **Characteristics of Patients with Advanced Heart Failure Managed in a Cardiomyopathy Expert Center**  
Ruxandra JURCUT, Bucharest, RO
58. **Additional Significance of Quantification of Myocardial Fibrosis by Contrast-Enhanced MRI in the Identification of Patients with Hypertrophic Cardiomyopathy and Risk of Sudden Cardiac Death**  
Svetlana KOMISSAROVA, Minsk, BY
59. **Chloroquine Induced Cardiomyopathy**  
Krisztina KÓSA, Budapest, HU
60. **Takotsubo-Syndrome: Clinical Characterization of 84 Consecutive Patients Over 6 Years**  
Michel NOUSSIAS, Halle, DE
61. **Clinical Profiles, Outcome and Prognostic Factors of Patients Treated with Impella Percutaneous Left Ventricular Assist Devices**  
Michel NOUSSIAS, Halle, DE
62. **Immunosuppressive Therapy in Acute Lymphocytic Myocarditis; Proof of Benefit: Discontinue Azathioprine Deteriorate, Starting Cyclosporine Enhance the Left Ventricular Ejection Fraction**  
Emir Özgür Barış ÖKÇÜN, Istanbul, TR
63. **Endomyocardial Biopsy via the Femoral Vein using a 7 French Guiding Catheter as a Long Sheath**  
Emir Özgür Barış ÖKÇÜN, Istanbul, TR
64. **Cardiopulmonary Exercise Test Parameters at Three Months after Alcohol Septal Ablation in Hypertrophic Obstructive Cardiomyopathy are Associated with Late Clinical Outcome**  
Angelos RIGOPOULOS, Athens, GR
65. **Echocardiographic and Electrocardiographic Follow-Up of the Untreated Cardiac Metastasis of Uterine Leiomyosarcome**  
Fuad SAMADOV, Baku, AZ
66. **Echocardiographic Predictors of New-Onset Atrial Fibrillation in Heart Failure with Preserved Ejection Fraction**  
Angelina STEVANOVIC, Belgrade, RS



- 67. Rugged Way between Two Gravidities**  
Marta SZABO, Budapest, HU
- 68. Clinical Polymorphism of RASopathies of the Children**  
Tatyana VERSHININA, Saint-Petersburg, RU

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### Integrated Imaging

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- 69. Positive Stress-ECHO and “Clear” Coronary Arteries: What to do?**  
Ekaterina BOBROVA, Saint-Petersburg, RU
- 70. Echocardiographic Deformation Analysis for Diagnosis and Follow-Up of Patients with Myocarditis Mimicking ACS: A Comparison with CMR**  
Andreja ČERNE, Ljubljana, SI
- 71. Determinants of False Positive ST-Segment Depression in Supine Bicycle Exercise Echocardiographic Test**  
Hyemoon CHUNG, Seoul, KR
- 72. Cardiac Amyloidosis**  
Lin Thiri TOON, Worcestershire, UK
- 73. Alterations in Left Atrial Mechanics by Speckle-Tracking Strain Imaging in Patients with Fabry Disease**  
Wen-Chung YU, Taipei, TW
- 74. Progression of Echocardiographic Parameters is a Significant Predictor of Adverse Clinical Course in Children with Hypertrophic Cardiomyopathy**  
Lidia ZIOLKOWSKA, Warsaw, PL

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### Interventional Cardiology

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- 75. ICD and CRTD in Reduction of Cardiac Death in Patients with Dilated Cardiomyopathy: Differentiated Approach**  
Olga BLAGOVA, Moscow, RU
- 76. Implementing the 2015 ESC Guideline Work-Up for Pericardial Effusions using an Electronic Order Set Increases the Diagnostic Yield of Pericardiocentesis**  
Adam DENNIS, London, UK
- 77. Subacute and Very Late Stent Thrombosis after Percutaneous Coronary Intervention to Angina Pectoris: Five Different Causes**  
Shigeki ITO, Tokyo, JP
- 78. Clinical Impact of Regular Exercise Training According to the Preprocedural TIMI Flow in the Patients with Acute ST-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention**  
Byung Ok KIM, Seoul, KR





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You are invited to join us at a Shire-organised Satellite Symposium:

# Deep dive into Fabry disease

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Join us at the 15th Annual Meeting  
of the ESC Working Group on Myocardial  
and Pericardial Diseases

**Friday 5th October 2018, 12:30-13:30**

**Crowne Plaza Hotel**

**Belgrade, Serbia**

### Agenda and faculty

#### Welcome and introduction

*Chair: Prof. Perry Elliott, United Kingdom*

#### Diagnostic and treatment criteria for HCM associated with Fabry disease

*Prof. Philippe Charron, France*

#### Goals and long-term outcomes of ERT

*Prof. Aleš Linhart, Czech Republic*

#### The importance of immunogenicity in treatments in LSDs

*Prof. Christoph Kampmann, Germany*

ESC, European Society of Cardiology; ERT, enzyme replacement therapy; HCM, hypertrophic cardiomyopathy;  
LSD, lysosomal storage disease.

This symposium is initiated, organised and funded by Shire International GmbH.

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## COMPANY PROFILE

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Actavis is a member of Teva Group, one of the largest pharmaceutical companies in the world. Our primary goal is to improve the quality of life and health protection with high quality and affordable products.

We continuously provide to healthcare systems and patients a wide range of therapies for almost all therapeutic areas, while Zdravlje Actavis, manufacture site in Leskovac is one of the most important drug manufacturers in Serbia.



### **Alnylam Pharmaceuticals**

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### **Alkaloid**

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## **Alvogen**

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Alvogen is a global pharmaceuticals company that develops, manufactures and distributes generic, brand, over-the-counter brands and biosimilar medicines. With regional headquarters in the U.S., Taiwan and Romania, the company currently has commercial operations in 35 countries, with a workforce of 2,800 people.

Alvogen has over 200 strategically selected pharmaceutical projects in development and registrations and over 350 marketed products, including hospital and prescription drugs, biosimilars and over the counter products.

Alvogen's product portfolio consists of a broad range of leading molecules for the treatment of conditions in the areas of oncology, cardiology, respiratory, neurology and gastroenterology, in addition to a fast-growing portfolio of biosimilars and OTC products.

The company has seven monoclonal antibodies in its biosimilar pipeline via its sister company, Alvotech, which are expected to be launched after 2019.



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We are European leaders on the diagnosis of inherited cardiovascular diseases, such as dyslipidemias - early atherosclerosis.



## **Hemofarm, member of Stada Group.**

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

Hemofarm is the leader both in the Serbian and regional pharmaceutical markets, the largest Serbian exporter of medicinal products and one of the top-10 exporters in Serbia in general. Medicinal products with Hemofarm brand can be found in pharmacies of 38 countries on three continents.

In 2017, Hemofarm scored a record production output of about 5.5 billion tablets. The company portfolio is composed of more than 2300 products and comprises the products in 12 out of the total of 14 pharmacotherapeutic groups.

Hemofarm is the regional hub of STADA Group for 13 markets in the Eastern Europe.



## **Medis Pharma**

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Medis in Serbia distributes a number of important, high quality and special drugs, medical products and dietary products. Those medical products are special because they come from world-renowned manufactures, the latest generation in their field.

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Merck is a leading science and technology company in healthcare, life science and performance materials. Around 50,000 employees work to further develop technologies that improve and enhance life – from biopharmaceutical therapies to treat cancer or multiple sclerosis, cutting-edge systems for scientific research and production, to liquid crystals for smartphones and LCD televisions. In 2016, Merck generated sales of €15.0 billion in 66 countries.

Founded in 1668, Merck is the world's oldest pharmaceutical and chemical company. The founding family remains the majority owner of the publicly listed corporate group. Merck holds the global rights to the Merck name and brand. The only exceptions are the United States and Canada, where the company operates as EMD Serono, MilliporeSigma and EMD Performance Materials.



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At Novartis, we use science-based innovation to address some of society's most challenging healthcare issues. We discover and develop breakthrough treatments and find new ways to deliver them to as many people as possible. Novartis is structured to deliver innovative products, exploit global scale, and respond to new opportunities and risks. Our businesses - Innovative Medicines, Alcon and Sandoz – are supported by functional organizations with global scale. Research and development (R&D) is at the core of our company and central to the Novartis strategy.



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At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety, and value in the discovery, development, and manufacture of health care products. Our global portfolio includes medicines and vaccines as well as many of the world's best-known consumer health care products. Every day, Pfizer colleagues work across developed and emerging markets to advance wellness, prevention, treatments, and cures that challenge the most feared diseases of our time.



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**[www.richter.rs](http://www.richter.rs)**

Gedeon Richter is a multinational, European innovation-driven specialty pharmaceutical company established in 1901 in Hungary. During its continuous tradition, the company is continuously committed to quality and innovation.

Over two hundred products from Richter brand are available in more than 100 countries. Outside Hungary, the company has direct presence in 45 countries with five manufacturing units, 29 representative offices and 38 sales and wholesale companies.



## **Shire**

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

Shire is the global biotechnology leader serving patients with rare diseases and specialized conditions. We seek to push boundaries through discovering and delivering new possibilities for patient communities who often have few or no other champions. Relentlessly on the edge of what's next, we are serial innovators with a diverse pipeline offering fresh thinking and new hope. Serving patients and partnering with healthcare communities in over 100 countries, we strive to be part of the entire patient journey to enable earlier diagnosis, raise standards of care, accelerate access to treatment, and support patients. Our Rare Disease and Neuroscience divisions support our diverse portfolio of therapeutic areas, including Immunology, Hematology, Genetic Diseases, Internal Medicine, Ophthalmics, Oncology, and neuropsychiatry disorders. Championing patients is our call to action - it brings the opportunity - and responsibility - to change people's lives.

# PROGRAMME AT A GLANCE

## Friday, 5 October, 2018

Hall	PACIFIC	ATLANTIC	MyoPET
09:00-10:30		S1:MyoPET1 DIAGNOSIS & DDG	S2MyoPET2 MPD IN CHILDREN
<b>10:30-11:45</b>	<b>Opening Ceremony</b>		
<b>11:45-12:30</b>	<b>Welcome Reception</b>		
12:30-13:30	<b>Industry 1: Shire Symposium   Deep Dive Into Fabry Disease</b>		<b>PACIFIC</b>
13:30-15:00	S3 INVASIVE & INTERVENTIONAL	S4 COMORBIDITIES	S5MyoPET3 AMYLOIDOSIS
15:00-15:30	<b>Coffee Break/Poster Presentation Session 1</b>		
15:30-17:00	S6: INTERVENTIONAL VS. SURGICAL MANAGEMENT DEBATE	S7 PREGNANCY	S8MyoPET4 ECHO
17:00-18:00	<b>Industry 2: Hemofarm Symposium   HF and Pulmonary Hypertension</b>		<b>PACIFIC</b>
18:00-19:30	S9 PERICARDIAL INTERVENTIONS	S10 MYOCARDITIS	S11MyoPET5 CARDIO-ONCOLOGY
<b>20:30-23:30</b>	<b>Faculty Dinner and Jeopardy Quiz (by Invitation &amp; Voucher Only)</b>		

## Saturday, 6 October, 2018

09:00-10:30	S12 MYO/PERICARDIAL PATHOLOGY	S13 GENETICS OF CARDIOMYOPATHIES	S14MyoPET 6 MANAGEMENT OF INFLAMMATION AND VIRAL INFECTION
<b>10:30-11:00</b>	<b>Coffee Break/Poster Presentation Session 2</b>		
11:00-12:30	S15 CARDIOMYOPATHIES CLINICAL RED FLAGS	S16 SPECIFIC MANAGEMENT OF CARDIOMYOPATHIES	S17MyoPET7 ETIOLOGY & MANAGEMENT OF PERICARDIAL DISEASES
12:30-13:30	<b>Industry 3: Pfizer Symposium   Transthyretin Amyloid Cardiomyopathy</b>		<b>PACIFIC</b>
<b>13:30-14:00</b>	<b>Lunch Break</b>		
14:00-15:30	S18 SUDDEN DEATH PREVENTION	S19 CARDIAC AMYLOIDOSIS	S20MyoPET8 PCR IN EMB – HOW?
<b>15:30-16:00</b>	<b>Coffee Break/Poster Presentation Session 3</b>		
<b>16:00-17:00</b>	<b>Industry 4: Novartis Symposium   Time for TRANSITION in the Management of HF</b>		<b>PACIFIC</b>

## Sunday, 7 October, 2018

09:00-10:30	S24 HEART FAILURE IN CARDIOMYOPATHIES	S25 ECHO IN CARDIOMYOPATHIES	S26 BLEEDING IN THE PERICARDIUM
<b>10:30-11:00</b>	<b>Coffee Break/Poster Presentation Session 4</b>		
11:00-12:30	S27 HF MANAGEMENT IN CARDIOMYOPATHIES	S28 MD IN SCLERODERMA	S29 PREVENTION & REHABILITATION
12:30-14:00	S30 ENDOCRINOLOGY	S31 DEVICES AND HTx	S32 MANAGEMENT OF MPD

