

Welcome letter

Dear friends and colleagues,

Organised by the Heart Failure Association of the European Society of Cardiology (HFA), the Heart Failure congress is a unique forum where cardiologists, interventional heart failure specialists, cardiac surgeons, internists, practicing general physicians, basic scientists, epidemiologists, cardiac nurses, industry affiliates and others have the opportunity to meet and exchange ideas and information.

The Heart Failure congress is an international event open to healthcare professionals interested in any aspect of heart failure from epidemiology, through basic and translational science to prevention (reviewing the treatment of hypertension and post-infarction care), diagnosis (including novel imaging modalities and biomarkers), monitoring (together with remote monitoring), prognostication (risk stratification as well as use of biomarkers), medical and nursing management (including drugs, devices, tele-care and surgery).

With this year's main theme, 'Heart Failure from Alpha to Omega', the congress incorporates interactive sessions, hands-on or meet the expert sessions, and also provide the tools to apply and interpret the latest scientific and clinical expertise to empower the day-to-day work of heart failure specialists today.

The congress will maintain its position as the most important platform for scientific exchange and networking in heart failure worldwide.

Thank you for being with us in Athens!



Gerasimos Filippatos
Heart Failure 2019
Scientific Chairperson



Petar Seferovic
HFA President
(2018-2020)

Heart Failure 2019 Committees

HEART FAILURE ASSOCIATION - BOARD MEMBERS 2018-2020

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HFA Past President

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European Journal of Heart Failure

Prof. Stefan D. Anker (DE)
Editor in Chief, ESC Heart Failure

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Chair, Scientific Programme Committee
Heart Failure 2019

Prof. Thomas Thum (DE)
Chair, WG on Myocardial Function

SUI GENERIS

Prof. Massimo Piepoli (IT)

Prof. Piotr Ponikowski (PL)

Heart Failure Association

This is what we do

Membership

- › Gold, Silver and Regular
- › Heart failure specialists of Tomorrow (HoT)
- › Fellows of the HFA

Publications

- › European Journal of Heart Failure
Impact Factor: **10.683**
- › Open access journal: ESC Heart Failure
- › Position Papers

Advocacy

- › HFA Atlas
- › **50** National Heart Failure Societies & Working Groups
- › **30** countries participating in Awareness Days
- › heartfailurematters.org

Congress

- › Heart Failure Congress
- › HFA Winter Meeting on Translational Heart Failure Research

Education

- › E-Learning & Webinars
- › Curricula and Certification
- › Postgraduate Course in Heart Failure
- › Clinical Trialists Summer School
- › Guidelines and Registries

Working together for the future of heart failure

JOIN THE **HEART FAILURE** **COMMUNITY**

A worldwide organisation
of healthcare professionals
with the same interests
and goals as you



Latest scientific
information

Networking

Career
Development

Education

Become a member
at the HFA / ESC stand

Get more

Combine HFA Silver Membership with
ESC Professional Membership to access
more discounts and learning opportunities.

www.escardio.org/HFA-membership

Practical information



CERTIFICATES

For attendance - available from the registration desks as of Monday 27 May midday.

For presentation - available for abstract presenters at the poster assistance desk in the poster area



INTERNET CONNECTION

Free wifi is available at the congress centre. However please note that connectivity is subject to the volume of users.

Wifi name: hf-congress

Wifi password: hf-congress

Computer with internet access are located in the exhibition.



INFO POINTS

For any other information, please address the organisers at the registration.



SECURITY

Please ensure your badge is visible at all times and comply with security controls that you may be subject to within the congress venue.



CHILDCARE SERVICE

To ensure equal access to education opportunities, we are pleased to offer, via our partner, a limited childcare service onsite staffed by approved childcare providers.

Childcare service is located in a hotel close to the venue (5mn walk). If you would like to take advantage of this service, please register directly at the hotel (free service, first come first served basis):

*The Golden Age Hotel of Athens, Room Kalypso
Michalakopoulou 57, Athens 115 28 Greece*

HFA MEMBERS' LOUNGE

The lounge is an exclusive area located above the exhibition where Gold Members and Fellows of the HFA are invited to enjoy breaks and refreshments.

Become a member at the HFA / ESC stand



Don't Miss

● Highlights at Heart Failure 2019

- **HFA Grand Debates:** the most popular controversies in the management of heart failure will be debated by specialists, who will defend their arguments in front of their opponent and a panel of world renowned experts.
- **Off the record with experts:** everything you've always wanted to know but never dared to ask! These sessions will open the floor to an informal discussion with world renowned experts on topics relevant to your career.

● Special tracks at Heart Failure 2019

- **Guidelines into Practice:** this track will focus on how to implement the ESC Guidelines into routine management of cardiovascular patients. Based on real clinical cases, these sessions will provide you with the tools to improve your daily practice.
- **World Congress on Acute Heart Failure:** an extensive offer of symposia, How-To sessions, debates, educational sessions, late breaking trials and abstract sessions.
- **Basic Science:** a full programme dedicated to basic science includes ten sessions in the room Ljubljana, the Young Investigator Award session in Basic Science, oral abstract sessions and dedicated poster sessions.

● Special events at Heart Failure 2019

- **Inaugural session** including the HFA Eugene Braunwald and the HFA Philip Poole Wilson Lectures on Saturday 25 May, 17.45-19.15 Room Trianti.
- **HFA Career Cafe:** in a relaxed atmosphere, with a cup of coffee or tea, young heart failure enthusiasts will be given the opportunity to meet internationally renowned experts in the field. Pre-registration was needed: stay tuned for next year's event!
- **Virtual Case Area:** experience real-life clinical cases on a virtual patient simulator, located Level 0 on your way to Room Mitropoulos everyday during coffee breaks.
- **CPR Workshops:** Register for free for the CPR Workshops. Seats are limited. A dedicated desk on-site will be available in front of the CPR workshop area, located Level 1, in front of Room Lambrakis from Saturday afternoon to Monday afternoon in parallel to scientific sessions.

- **HOT Walk:** public event organised by the Hellenic Society of Cardiology with the support of the Heart failure Specialists of Tomorrow (HoT - HFA young Community). Rendez-vous on Monday at 18:00 in front of the Congress Center for a 3.5 km walk

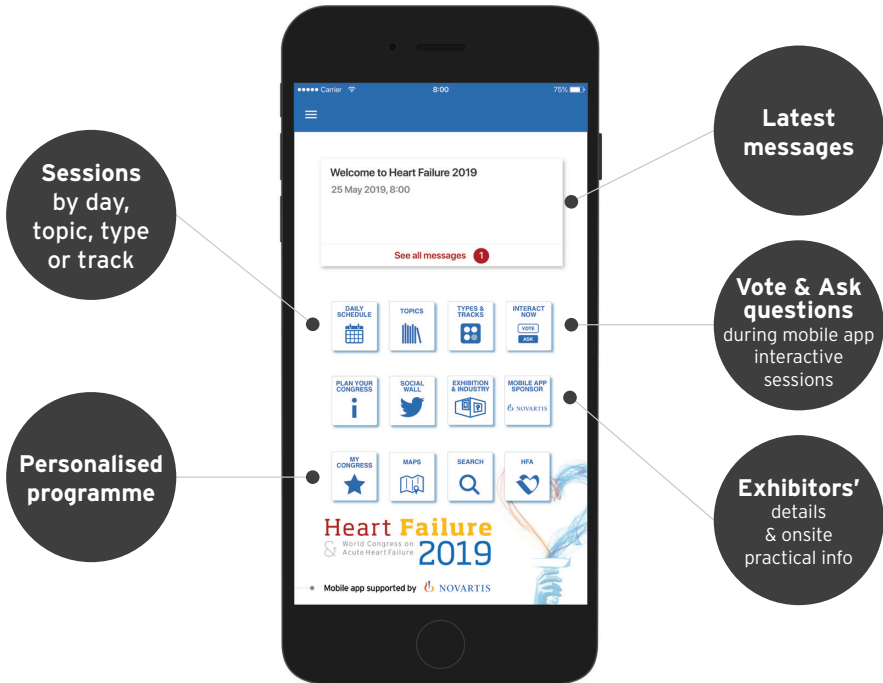
- **Special sessions**

- **Late Breaking Science:** presenters will share the very latest results of their research. The presentations will be concluded by a review from an expert. Be there to hear about the latest developments in heart failure.
- **Award sessions:** four award sessions at the congress will feature the best abstracts in the field - Young Investigator Awards Clinical & Basic Science, Nursing Investigator Awards and Clinical Case Awards.
- **The year's best papers on heart failure:** this session will review the best papers published throughout the year between three major journals in the field: the *European Journal of Heart Failure*, the *European Heart Journal* and *ESC Heart Failure*.
- **HFA Focus:** clinical case-based interactive sessions that will provide clear take-home messages for you to use in your daily practice.
- **Heart Failure 2019 Highlights:** Experts summarise, by topic, the best findings of the congress. Attend this session to get an overview of the entire congress.





Download Heart Failure Mobile App



**Search for 'ESC Congresses' or 'Heart Failure' in App Store® / Google Play.
Heart Failure 2019 is now a part of ESC Congresses app.**

Scientific Resources

Select the presentation of interest and click on:
'View full abstract' or 'Access slides & videos online'

• Industry @HF 2019

Acknowledgement

The Heart Failure Association expresses its sincere appreciation to all exhibitors, industry partners and sponsors mentioned below, who have contributed to the success of Heart Failure 2019 in a variety of ways and initiatives.

Abbott	Orion Corporation Orion Pharma
AKCEA THERAPEUTICS	Pfizer Inc
Alnylam Pharmaceuticals	Physicians Academy for Cardiovascular Education
AstraZeneca	Quidel Germany GmbH
Bayer AG	Radcliffe Cardiology
Bioventrix Inc.	Reprive Cardiovascular, Inc.
Boehringer Ingelheim & Eli Lilly Alliance	Roche Diagnostics International Ltd
Boston Scientific International SA	SERVIER
Charité	SERVIER and AMGEN
CHF Solutions	SQ Innovation
Critical Diagnostics	Thermo Fisher Scientific
Fresenius Medical	Vifor (International) AG
Impluse Dynamics Germany GmbH	WeHealth by Servier
Medscape Education	WILEY
Medtronic	Wisepress LTD
MyoKardia	ZOLL CMS GmbH
Novartis Pharmaceuticals AG	

• Exhibition

The fight against cardiovascular disease is a shared mission. Our industry partners offer a rich educational programme to delegates throughout the congress. Discover the wide variety of activities from educational sessions to stand activities.

At the heart of the congress centre, the exhibition provides delegates with the opportunity to exchange with key industry experts on critical areas of development and research in cardiovascular products and therapies. It will be a central hub for scientific discussion and exchange during the congress.

Abbott.....	B1	MyoKardia	K1
AKCEA THERAPEUTICS.....	F3	Novartis Pharmaceuticals AG...C2/D1/D5	
Alnylam Pharmaceuticals.....	A1	Orion Corporation Orion Pharma.....	J1
AstraZeneca.....	H4/H5	Pfizer Inc.....	A2
Bayer AG.....	F1	Physicians Academy for Cardiovascular Education.....	B5
Bioventrix Inc.....	I2	Quidel Germany GmbH.....	A3
Boehringer Ingelheim & Eli Lilly Alliance.....	F4/F5	Radcliffe Cardiology.....	I7
Boston Scientific International SA.....	B6/B7	Reprive Cardiovascular, Inc.....	I1
Charité.....	B8	SERVIER.....	E1
CHF Solutions.....	I3	SERVIER and AMGEN.....	C1
Critical Diagnostics.....	B2/B3	Thermo Fisher Scientific.....	D6
Hellenic Society of Cardiology.....	A5	Vifor (International) AG.....G1/H1/H2/H3	
Heart Failure Association (HFA) of the ESC / European Society of Cardiology (ESC).....	E2	WeHealth by Servier.....	B4
Impluse Dynamics Germany GmbH.....	A4	WILEY.....	I4
Medtronic.....	D3	Wisepress LTD.....	I5
		ZOLL CMS GmbH.....	C3

Exhibition Floor Plan

OPENING HOURS

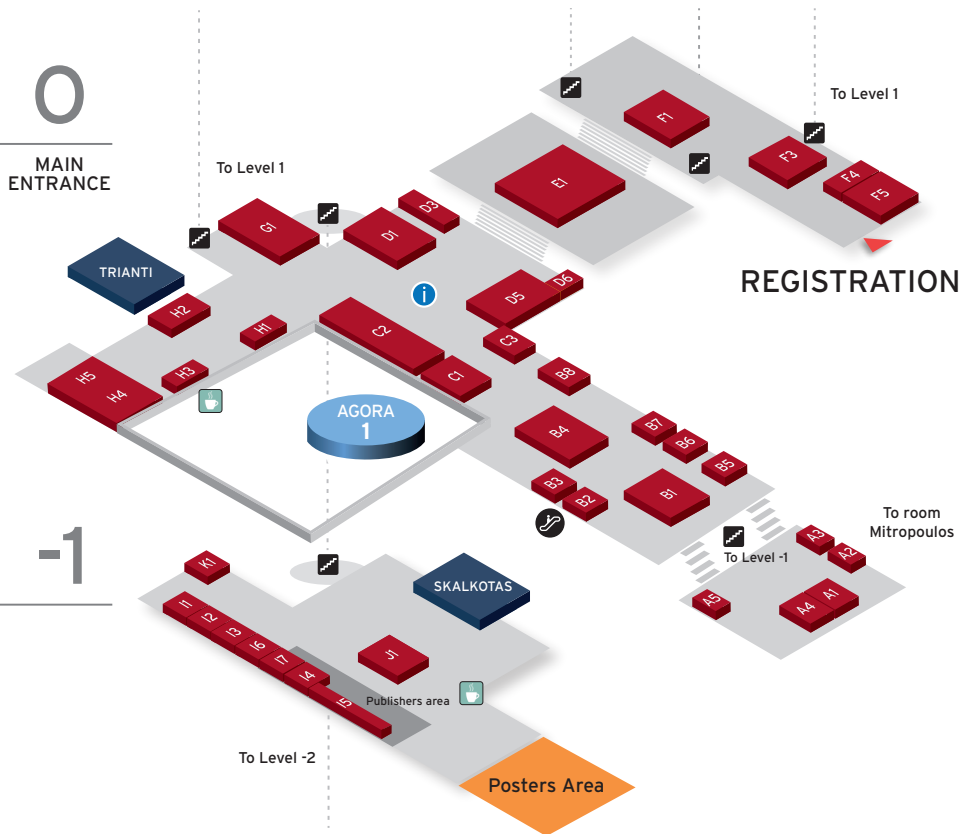
Saturday 25 May

10:00 - 18:00

Sunday 26 May &

Monday 27 May

09:00 - 18:00



● **Satellite Symposia**

Delegates are cordially invited to attend a series of Satellite Symposia included in Heart Failure 2019 scientific programme. These sessions will allow the review and discussion of recent trials and ongoing studies with the objective of providing the latest information on new therapies and techniques in cardiovascular medicine.

- Abbott
- Akcea Therapeutics
- AstraZeneca
- Bayer AG
- Boehringer Ingelheim & Eli Lilly and Company Alliance
- Boston Scientific
- Charité Berlin
- Fresenius Medical Care
- Medscape Education
- Medtronic
- Novartis
- Pfizer
- Physicians Academy for Cardiovascular Education
- Reprise Cardiovascular
- Roche Diagnostics
- Servier
- Vifor (International) AG
- Zoll

● **Satellite Symposia - Experts on the Spot**

These sessions provide delegates with a further opportunity to question and exchange with topic experts in a concise and interactive format on the session content.

- Abbott
- Boehringer Ingelheim & Eli Lilly and Company Alliance
- Charité Berlin
- Novartis
- Servier
- Vifor (International) AG



- **Practical Tutorials**

Practical Tutorials provide delegates with an opportunity to interact with clinical experts in their field, acquire new techniques, improve current knowledge and ask all they need to know on procedures essential to daily practice.

For details on Practical Tutorials activities, please visit Practical Tutorials rooms or the supporting company on their booths.

- Abbott
- Alnylam
- Orion Pharma

- **Sponsorship**

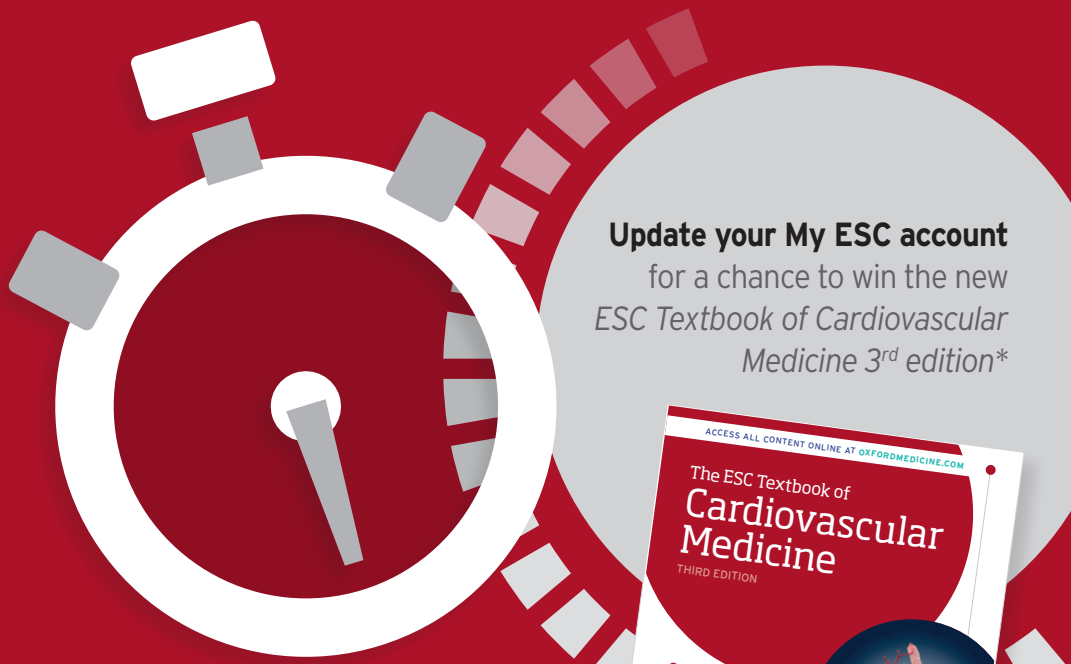
The ESC gratefully acknowledges the following sponsors which have contributed to the success of Heart Failure 2019 via support of delegate services and materials, advertisements and other sponsorship opportunities.

- Abbott
- Alnylam Pharmaceuticals
- AstraZeneca
- Medtronic
- Novartis Pharmaceuticals AG
- Physicians Academy for Cardiovascular Education
- SERVIER
- SQ Innovation
- Vifor (International) AG
- ZOLL CMS GmbH



90 seconds to win the new ESC textbook!

Come to the HFA/ESC stand



Update your My ESC account
for a chance to win the new
*ESC Textbook of Cardiovascular
Medicine 3rd edition**



Prize draw date:
28 May 2019 - 12:00

*The ESC textbook will be sent
directly to your institution*

*Rules and regulations for participation available
on dedicated terminal

 **ESC**
European Society
of Cardiology

Sessions by Day

SATURDAY 25 MAY 2019	
<p>08:30 - 17:30</p> <ul style="list-style-type: none"> Poster Session 1 	<p>POSTER AREA</p>
<p>08:30 - 10:00</p> <ul style="list-style-type: none"> Late breaking trial 1 - Acute heart failure Focus on diabetes in heart failure Management of acute heart failure in the ED: time matters Rapid Fire 1 - Basic Science 	<p>LAMBRAKIS</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AGORA 2</p>
<p>10:00 - 11:00</p> <ul style="list-style-type: none"> Clinical Case Corner 1 - Catheters and devices <p>MODERATED POSTER AREA</p> <ul style="list-style-type: none"> Moderated Posters Session - Acute heart failure <p>MODERATED POSTER AREA</p> <ul style="list-style-type: none"> Virtual case 1 - Failing or not failing right myocardium? <p>VIRTUAL CASE AREA</p>	<p>TRIANTI</p> <p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AEGEAN SEA</p> <p>AGORA 1</p> <p>AGORA 2</p>
<p>11:00 - 12:00</p> <ul style="list-style-type: none"> HFA Focus Acute heart failure and acute coronary syndrome Guidelines in Daily Practice I: Potassium binders Lifestyle interventions in chronic heart failure Managing heart failure patients with COPD Anti-fibrotic therapies in heart failure. E-health and social media in heart failure Rapid Fire 2 - Biomarker: present and future 	<p>TRIANTI</p> <p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AEGEAN SEA</p> <p>AGORA 1</p> <p>AGORA 2</p>
<p>12:15 - 13:15</p> <ul style="list-style-type: none"> Optimizing the heart failure patients' pathway right from the discharge <p><i>Sponsored by SERVIER</i></p> <ul style="list-style-type: none"> Reshaping the future of heart failure management - Translating innovations to practice in HFpEF <p><i>Organised by PACE-CME - Physicians' Academy for Cardiovascular Education, supported with educational grants provided by Novartis, Novo Nordisk and Pfizer</i></p> <ul style="list-style-type: none"> Overcoming challenges in the treatment of congestion in heart failure <p><i>Sponsored by Fresenius Medical Care</i></p> <ul style="list-style-type: none"> Management of hyperkalaemia in patients with heart failure - Overcoming barriers to optimal renin-angiotensin-aldosterone system inhibitor therapy <p><i>Organised by MedEd Global Solutions & University of Lorraine, supported with an educational grant from Vifor Pharma</i></p> <ul style="list-style-type: none"> Solving the puzzle of heart failure, diabetic kidney disease and risk of stroke: let's fit the pieces together - <i>Sponsored by Bayer AG</i> How heart failure biomarkers change clinical practice in the management of acute heart failure <p><i>Sponsored by Roche Diagnostics</i></p> <ul style="list-style-type: none"> Problems and optimization of volume management in patients with acute heart failure <p><i>Sponsored by Reprive Cardiovascular</i></p>	<p>TRIANTI</p> <p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AEGEAN SEA</p> <p>AGORA 1</p>
<p>13:30 - 14:30</p> <ul style="list-style-type: none"> Cardiac amyloidosis in the spotlight: how to treat today? <p><i>Organised by Medscape Education, supported with an educational grant from Alnylam Pharmaceuticals</i></p> <ul style="list-style-type: none"> Heart Failure, diabetes & SGLT2 inhibition: time to change practice? <p><i>Organised by PACE-CME, Physicians' Academy for Cardiovascular Education, supported with an educational grant from Boehringer Ingelheim</i></p> <ul style="list-style-type: none"> The hyperkalemia challenge in heart failure: what is the role of novel agents? <p><i>Sponsored by AstraZeneca</i></p> <ul style="list-style-type: none"> Current challenges and innovations in the treatment of mitral and tricuspid regurgitation <p><i>Organised by Charité Berlin, supported with an educational grant from Edwards</i></p> <ul style="list-style-type: none"> Functional mitral regurgitation in heart failure: time to treat! <i>Sponsored by Abbott</i> 	<p>TRIANTI</p> <p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p>
<p>14:45 - 16:15</p> <ul style="list-style-type: none"> The Grand Debate 1: Advances in medical and interventional treatment of heart failure Advances in therapeutic interventions in acute heart failure Exercise in heart failure: challenges and opportunities Multimodality imaging in heart failure How to integrate new technologies in the heart failure clinic Translating pathophysiology to the clinic in Takotsubo syndrome Myocarditis: from bench to bedside Clinical Case Award - Unusual heart failure presentations: teach the teachers 	<p>TRIANTI</p> <p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AEGEAN SEA</p> <p>AGORA 1</p> <p>AGORA 2</p>
<p>16:30 - 17:30</p> <ul style="list-style-type: none"> Peripartum cardiomyopathy: new clinical insights Guidelines in Daily Practice II: heart failure and hypertension HFpEF: current diagnosis and management How to manage psychosocial and CNS disorders in Heart Failure Diabetes and heart failure Off the record session Rapid Fire 3 - Acute heart failure 	<p>LAMBRAKIS</p> <p>IONIAN SEA</p> <p>MITROPOULOS</p> <p>SKALKOTAS</p> <p>AEGEAN SEA</p> <p>AGORA 1</p> <p>AGORA 2</p>
<p>17:45 - 19:30</p> <ul style="list-style-type: none"> Inaugural Session 	<p>Trianti</p>

Sessions by Day

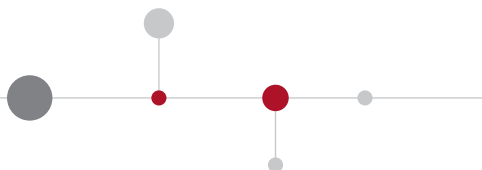
SUNDAY 26 MAY 2019	
08:30 - 18:00	
• Poster Session 2	POSTER AREA
08:30 - 10:00	
• Late breaking trial II - Chronic heart failure	TRIANTI
• Emerging treatment options in HFpEF	LAMBRAKIS
• Clinical dilemmas in the treatment of comorbidities in heart failure	IONIAN SEA
• Functional mitral regurgitation: the road ahead.	MITROPOULOS
• Valve disease in heart failure patients	SKALKOTAS
• Myocarditis: a multi-facet disease.	AEGEAN SEA
• Young Investigator Award - Clinical	AGORA 2
10:00 - 11:00	
• Clinical Case Corner 2 - A story of success. Recovering in heart failure	
MODERATED POSTER AREA	
• Moderated Posters Session - Chronic heart failure	
MODERATED POSTER AREA	
• Virtual Case 2 - A patient with cardiogenic shock	
VIRTUAL CASE AREA	
10:15 - 10:45	
• Optimize heart failure care program: key learnings from countries - <i>Sponsored by Servier</i>	AGORA 1
• Management of hyperkalaemia in patients with heart failure - A multidisciplinary approach	AGORA 2
<i>Organised by MedEd Global Solutions & University of Lorraine, supported with an educational grant from Vifor Pharma</i>	
11:00 - 12:30	
• The Grand Debate 2: Challenges in heart failure management: mitral regurgitation and atrial fibrillation	TRIANTI
• The year's best papers on heart failure	LAMBRAKIS
• Cardiac resynchronisation therapy: optimising device use	IONIAN SEA
• Imaging in heart failure: all you need to know	MITROPOULOS
<i>Joint Session with the European Association of Cardiovascular Imaging (EACVI)</i>	
• Inflammation in heart failure	SKALKOTAS
• Dilated cardiomyopathies: what are the mechanisms?	AEGEAN SEA
• Patient and family engagement: compelling need for improvement	AGORA 1
• Nursing Investigator Award	AGORA 2
12:45 - 13:45	
• Sodium-glucose co-transporter 2 inhibition and the heart: lessons from cardiovascular outcomes trials in Type 2 diabetes (EBAC Accredited)	IONIAN SEA
<i>Organised by the Sahlgrenska Academy, University of Gothenburg, Sweden, supported with an educational grant from AstraZeneca. Course Director: Professor Karl Swedberg</i>	
• Management of iron deficiency in heart failure: implementing best practices to improve patient outcomes - <i>Organised by MedEd Global Solutions & Charité Universitätsmedizin Berlin, supported with an educational grant from Vifor Pharma</i>	MITROPOULOS
• Who should receive the wearable cardioverter defibrillator? Evidence and risk stratification for prevention of sudden cardiac death	AEGEAN SEA
<i>Sponsored by Zoll</i>	
• An un-nerve-ing disease: diagnosing hATTR amyloidosis beyond the heart	AGORA 1
<i>Sponsored by Akcea Therapeutics</i>	
12:45 - 14:00	
• An update on device technologies in heart failure	LAMBRAKIS
<i>Sponsored by Medtronic</i>	
• Treatment choices to optimise benefits for heart failure patients - <i>Sponsored by Novartis</i>	TRIANTI
• Advances in heart failure management: what if you can do more for more patients?	SKALKOTAS
<i>Sponsored by Abbott</i>	
14:00 - 15:30	
• Global position paper on endomyocardial biopsy in cardiovascular medicine	
<i>Joint Session with the Heart Failure Society of America (HFA) and the Japanese Heart Failure Society (JHFS)</i>	AEGEAN SEA
14:15 - 15:45	
• Cardiogenic shock: recent advances and future perspectives	TRIANTI
• Assessment and treatment of congestion	
<i>Joint Session with Inter-American Society of Cardiology</i>	LAMBRAKIS
• Guidelines in Daily Practice III: Myocardial revascularisation in heart failure	IONIAN SEA
• Atrial fibrillation and heart failure	
<i>Joint Session with the European Heart Rhythm Association (EHRA)</i>	MITROPOULOS
• HFmEF: clinical and therapeutic dilemmas	SKALKOTAS
• The future of big data strategies in heart failure	AGORA 1
• Young Investigator Award - Basic Science and Translational Science	AGORA 2
15:45 - 16:30	
• Clinical Case Corner 3 - The many faces of valve disease	
MODERATED POSTER AREA	
• Moderated Posters Session - Devices for structural heart disease	
MODERATED POSTER AREA	
• Virtual Case 3 - A patient with infective endocarditis & acute aortic regurgitation	
VIRTUAL CASE AREA	
15:55 - 16:25	
• Making critical choices for patients at the right time - Join the discussion	AGORA 1
<i>Sponsored by Novartis</i>	
• When should a cardiologist consider referring a patient for LVAD therapy?	AGORA 2
<i>Sponsored by Abbott</i>	
16:30 - 18:00	
• Chronic heart failure: optimising patient management	TRIANTI
• Acute heart failure: does clinical settings matter?	LAMBRAKIS
• Parade of devices 1: attend and learn	IONIAN SEA
• Pulmonary congestion: new approaches	MITROPOULOS
• Cardiorenal axis in heart failure	SKALKOTAS
• Hypertrophic cardiomyopathies: from gene to disease	AEGEAN SEA
• Off the record session	AGORA 1
• Clinical Case - Advanced interventions from Alpha to Omega	AGORA 2

Sessions by Day

MONDAY 27 MAY 2019	
08:30 - 18:00	
• Poster Session 3	POSTER AREA
08:30 - 10:00	
• Late breaking trial III - Innovative and device therapy	TRIANTI
• Cardio-Oncology in 2019 - The new frontier	LAMBRAKIS
Joint Session with ESC Council of Cardio-Oncology	IONIAN SEA
• Hot clinical topics in CRT!	MITROPOULOS
• A crosstalk between diabetes and heart failure	SKALKOTAS
• Iron disorders: practical guidance for the clinician	AEGEAN SEA
• What is heart failure with preserved ejection fraction?	
• The omega phase of the heart failure journey: palliative and end-life care	AGORA 1
Joint Session with the Association of Cardiovascular Nursing and Allied Professions (ACNAP)	
• Rapid Fire 4 - Chronic heart failure - Pharmacology	AGORA 2
10:00 - 11:00	
• Clinical Case Corner 4 - Have you seen this before? Rare presentations	
MODERATED POSTER AREA	
• Moderated Posters Session - Non pharmacological approach to heart failure world	
MODERATED POSTER AREA	
• Virtual case 4 - Young decompensated patient with congestive heart failure	
VIRTUAL CASE AREA	
10:10 - 10:50	
• HFA General Assembly	AEGEAN SEA
10:15 - 10:45	
• Screening, diagnosis and treatment of iron deficiency in chronic heart failure - Practical recommendations	AGORA 1
Organised by MedEd Global Solutions & Charité Universitätsmedizin Berlin, supported with an educational grant from Vifor Pharma	
• New therapeutic options in the treatment of mitral regurgitation: practical considerations	AGORA 2
Organised by Charité Berlin, supported with an educational grant from Edwards	
11:00 - 12:30	
• Guidelines in Daily Practice IV: patient with acute heart failure and pulmonary embolism.	TRIANTI
• Advanced heart failure: Update 2019	LAMBRAKIS
• Special issues in cardio-oncology	IONIAN SEA
• Heart failure innovation - Drugs, devices, artificial intelligence	MITROPOULOS
Joint session with Heart failure Association of India	
• Joint Session with Korean Society of Heart Failure	SKALKOTAS
• Cardiac repair therapies	AEGEAN SEA
• Heart failure epidemiology and registries	AGORA 1
• Clinical Case 2	AGORA 2
12:45 - 13:45	
• Know it by heart - New opportunities for cardiologists in the Sodium-Glucose-Co-Transporter 2 (SGLT2) inhibitor era - Sponsored by Boehringer Ingelheim & Eli Lilly and Company Alliance	IONIAN SEA
• Does multi-sensor prediction of heart failure facilitate CRT optimisation?	AEGEAN SEA
Sponsored by Boston Scientific	
12:45 - 14:00	
• Meet the experts on getting to grips with HFpEF	TRIANTI
Organised by Medscape Education, supported with an educational grant from Novartis	
• Cracking the code to a differential diagnosis of cardiac amyloidosis	LAMBRAKIS
Sponsored by Pfizer	
• Innovative devices to better treat heart failure patients	MITROPOULOS
Organised by Charité Berlin, supported with educational grants provided by Bioventrix, Cardiac Dimensions and Respicardia	
• Fighting advanced heart failure with innovative medical device technology	SKALKOTAS
Sponsored by Abbott	
14:15 - 15:45	
• Identifying and treating sleep apnea in heart failure	TRIANTI
• HFA Championships	LAMBRAKIS
• Short term mechanical circulatory support	IONIAN SEA
• Practical use of biomarkers: tips and tricks	MITROPOULOS
• Frailty and fatigue in heart failure: emerging problem in the heart failure clinic.	SKALKOTAS
• Cancer and heart failure: enemies in treatment?	AEGEAN SEA
• Rapid Fire 5 - Non-pharmacological treatments: beyond conventional	AGORA 2
15:45 - 16:30	
• Clinical Case Corner 5 - Cardio-oncology pearls	
MODERATED POSTER AREA	
• Moderated Poster Session - Basic Science	
MODERATED POSTER AREA	
• Virtual case 5 - Mysterious myocarditis in a young patient	
VIRTUAL CASE AREA	
15:55 - 16:25	
• Challenges faced in diagnosing and managing HFpEF	AGORA 1
Organised by Medscape Education, supported with an educational grant from Novartis	
• The evolving role of cardiologists: can we help decrease the cardiovascular event burden in patients with type 2 diabetes?	AGORA 2
Sponsored by Boehringer Ingelheim & Eli Lilly and Company Alliance	
16:30 - 18:00	
• Emerging therapies in heart failure	TRIANTI
• Guidelines in Daily Practice V: pregnancy and heart failure	LAMBRAKIS
• Late breaking trial IV - Registries	IONIAN SEA
Joint Session with the working group on pharmacotherapy of the ESC	
• Female heart failure: what is different?	MITROPOULOS
• Takotsubo syndrome: from pathophysiology to the clinic	SKALKOTAS
• Upcoming and novel drugs in heart failure	AEGEAN SEA
• Rapid Fire 6 - Risk stratification and prognosis	AGORA 2
18:00	
• HOT Walk	

Sessions by Day

TUESDAY 28 MAY 2019		
08:30 - 12:30		10:00 - 11:00
<ul style="list-style-type: none"> Poster Session 4 	POSTER AREA	<ul style="list-style-type: none"> Clinical Case Corner 6 - From inflammation to infiltration
08:30 - 10:00	LAMBRAKIS	MODERATED POSTER AREA
<ul style="list-style-type: none"> Parade of devices 2: attend and learn Heart failure in cardiomyopathies: differences in diagnosis and management Heart transplantation: everything you need to know Clinical approach to cardio-oncological patient Rapid Fire 7 - Improving our insights: biomarkers, imaging, scores 	IONIAN SEA	<ul style="list-style-type: none"> Moderated Posters Session: Everlasting questions, new answers
	SKALKOTAS	MODERATED POSTER AREA
	AEGEAN SEA	<ul style="list-style-type: none"> Virtual case 6 - Heart transplantation in a HIV-positive patient Topic - VIRTUAL CASE AREA
	AGORA 2	11:00 - 12:30
		<ul style="list-style-type: none"> Heart Failure 2019 Highlights
		LAMBRAKIS



Heart Failure 2019

PRACTICAL
TUTORIALS

Practical Tutorials

Devices, Imaging, Clinical Practice

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Places are limited

Practical Tutorials 2

Sponsored by Abbott

- *Understand how you can optimize mitral regurgitation treatment with Transcatheter Mitral Valve Repair (TMVR) in heart failure patients: from diagnosis to patient follow-up*
- *Interact with transcatheter mitral valve repair device and transthoracic echocardiographic ultrasound system*

15:00 - 15:15**Transthoracic echocardiography & mitral regurgitation 15 minutes challenge!**

Chairperson(s): E. Agricola (Milano, IT)

15:15 - 15:45**Treating mitral regurgitation in heart failure patients: from diagnosis to follow-up**

Chairperson(s): E. Agricola (Milano, IT)

15:45 - 16:15**Hands-on session: how to assess mitral valve and mitral regurgitation with transthoracic echocardiographic ultrasound**

Chairperson(s): E. Agricola (Milano, IT)

16:15 - 16:45**Hands-on session: transcatheter mitral valve repair device**

Chairperson(s): D. Van Hees (Diegem, BE)

Practical Tutorials 3

Sponsored by Alnylam

- Increase awareness for hereditary (hATTR) amyloidosis as a cause of heart failure
- Highlight the importance of recognizing cardiological, neurological, and other associated symptoms to ensure a holistic approach in the diagnosis and management of patients with hATTR amyloidosis
- Optimize an early and accurate diagnosis of hATTR amyloidosis with cardiac manifestations using modern diagnostic imaging tools
- Use real-life case studies to illustrate and educate on the presentation of hATTR amyloidosis with cardiac manifestations and interpretation of diagnostic imaging results

14:45 - 16:15

Amyloidosis: a not so rare disease? Practical approaches to identifying cardiac manifestations of hATTR amyloidosis

- | | | |
|-------|--|---|
| 14:45 | Identifying cardiac manifestations and other multisystemic symptoms of hATTR amyloidosis. A. Kristen (Darmstadt, DE) | 1 |
| 15:05 | Evaluate diagnostic approaches and challenges in diagnosing hATTR amyloidosis - Learning from patient cases. C. Rapezzi (Bologna, IT) | 2 |
| 15:25 | Update 2019: learning from real-life diagnoses. D. Bonderman (Wien, AT) | 3 |
| 15:45 | Q&A - Amyloidosis: a not so rare disease? Practical approaches to identifying cardiac manifestations of hATTR amyloidosis. A. Kristen (Darmstadt, DE); C. Rapezzi (Bologna, IT); D. Bonderman (Wien, AT) | 4 |

Practical Tutorials 1

Sponsored by Orion Pharma

The use of inotropes for correcting hemodynamic dysfunction in patients with congestive heart failure has been described over many decades. However, negative or insufficient data has been collected on the effects of cardiac glycosides, catecholamines and phosphodiesterase inhibitors on quality of life and survival. More recently, the calcium sensitizer and potassium channel opener levosimendan have been proposed as a safer inodilator. This series of Practical Tutorials focus on how to use safely and effectively levosimendan in acute and advanced heart failure.

09:15 - 09:35

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Acute Heart Failure (AHF) settings: guidelines and definition of AHF, therapeutic options

Chairperson(s): J.M. Garcia-Pinilla (Malaga, ES)

09:35 - 09:55

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Acute Heart Failure settings: role of hemodynamic active drugs, differential effects of drug families

Chairperson(s): D. von Lewinski (Graz, AT)

09:55 - 10:15

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Acute Heart Failure settings: clinical practice in AHF with different etiologies

Chairperson(s): J.T. Parissis (Athens, GR)

11:15 - 11:35

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Advanced Heart Failure settings: physiological effects of vaso-active drugs in AdHF

Chairperson(s): P. Agostoni (Milan, IT)

11:35 - 11:55

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Advanced Heart Failure settings: guidelines and definition of AdHF, therapeutic options

Chairperson(s): P. Yerly (Lausanne, CH)

Practical Tutorials 1

Sponsored by Orion Pharma

11:55 - 12:15

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - The Advanced Heart Failure settings: when does acute decompensation start?

Chairperson(s): G. Polzl (Innsbruck, AT)

13:15 - 13:35

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - Differential renal effects of vasoactive drugs: cardio-renal syndrome

Chairperson(s): E. Zima (Budapest, HU)

13:35 - 13:55

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - Differential renal effects of vasoactive drugs: different effects of Levosimendane on renal function in AHF and restrictive cardiomyopathy

Chairperson(s): A. Reinecke (Kiel, DE)

13:55 - 14:15

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - Differential renal effects of vasoactive drugs: clinical practice

Chairperson(s): K. Karason (Gothenburg, SE)

15:15 - 15:35

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - AHF or CS as a consequence of Acute Coronary Syndrome: therapeutic options and clinical practice for ACS-induced AHF

Chairperson(s): A. Recio Mayoral (Seville, ES)

15:35 - 15:55

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - AHF or CS as a consequence of Acute Coronary Syndrome: therapeutic options and clinical practice ACS-induced cardiogenic shock

Chairperson(s): V.P. Harjola (Helsinki, FI)

15:55 - 16:15

Hemodynamic balance in acute and advanced heart failure: intra-venous vaso-active options - AHF or CS as a consequence of Acute Coronary Syndrome: clinical practice

Chairperson(s): D.T. Farmakis (Athens, GR)

Practical Tutorials 2

Sponsored by Abbott

- Understand how you can optimize mitral regurgitation treatment with Transcatheter Mitral Valve Repair (TMVR) in heart failure patients: from diagnosis to patient follow-up
- Interact with transcatheter mitral valve repair device and transthoracic echocardiographic ultrasound system

08:30 - 08:45

Transthoracic echocardiography & mitral regurgitation 15 minutes challenge!

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Treating mitral regurgitation in heart failure patients: from diagnosis to follow-up

Chairperson(s): E. Agricola (Milano, IT)

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Hands-on session: how to assess mitral valve and mitral regurgitation with transthoracic echocardiographic ultrasound

Chairperson(s): E. Agricola (Milano, IT)

09:45 - 10:15

Hands-on session: transcatheter mitral valve repair device

Chairperson(s): D. Van Hees (Diegem, BE)

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Practical Tutorials 2

Sponsored by Abbott

12:15 - 12:45

Hands-on session: transcatheter mitral valve repair device

Chairperson(s): D. Van Hees (Diegem, BE)

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Transthoracic echocardiography & mitral regurgitation 15 minutes challenge!

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Hands-on session: transcatheter mitral valve repair device

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Heart Failure 2019

Saturday 25 May

SATURDAY



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• INAUGURAL SESSION •

Saturday 25 May 17:45 - 19:15, Room TRIANTI

Chairpersons: P. Seferovic (RS), A. Coats (UK), G. Filippatos (GR)

17:45 - 17:50

Welcome from the President of the HFA
P. Seferovic (RS)

17:50 - 17:55

Welcome to Heart Failure 2019 & World Congress on Acute Heart Failure
G. Filippatos (GR)

17:55 - 18:00

Welcome from the President of the ESC
B. Casadei (UK)

18:05 - 18:10

The HFA Philip Poole Wilson lecture Introduction of M. Jessup
Andrew Coats (UK)

18:10 - 18:25

HFA Philip Poole Wilson lecture:
Heart Failure Guidelines: what is the alpha and what is the omega?
M. Jessup (USA)

18.25 - 18.30

The HFA Eugene Braunwald lecture Introduction of M. Yacoub
To be announced

18.30 - 18.45

The HFA Eugene Braunwald lecture: lecture title to be announced
M. Yacoub (UK)

18.50 - 19.00

Heart Failure Specialists of Tomorrow Awards
E. Jankowska (PL)

19.00 - 19.05

Opening Address
P. Seferovic (RS)

Saturday 25 May 2019

Morning Sessions

08:30 - 10:00

RAPID FIRE ABSTRACTS

AGORA 2

Rapid Fire 1 - Basic Science

Chairperson(s): J.L. Balligand (Brussels, BE)

- | | | |
|-------|--|----|
| 08:30 | NPM accelerated vascular inflammation and endothelial dysfunction in atherosclerosis progression through NF-kappaB pathway | 5 |
| | C. Rao, B. Liu, F. Li, D. Huang, K. Huang, N. Dong (Wuhan, CN) | |
| 08:36 | Dual Regulation of SUMO2 and STAT1 by HectD3 Protects Heart from Hypertrophy and Inflammation | 6 |
| | A. Rangrez, A. Borlepawar, N. Schmiedel, L. Christen, A. Bernt, A. Helbig, A. Jungmann, S. Sossalla, A. Tholey, O. Mueller, D. Frank, N. Frey (Kiel, Heidelberg and Regensburg, DE) | |
| 08:42 | A translational mouse model of HFpEF | 7 |
| | C. Withaar, L.M.G. Meems, C. Gehlken, H.H.W. Sillje, A.A. Voors, R.A. De Boer, C.S.P. Lam (Groningen, NL) | |
| 08:48 | Diastolic dysfunction and HFpEF characteristics are exacerbated with ageing in smoothelin-like 1 (SMTNL1)-deficient mice | 8 |
| | M. Murali, D. Belke, M. Chappellaz, W.C. Cole, J.A. Macdonald (Calgary, CA) | |
| 08:54 | L-2-hydroxyglutarate dehydrogenase (L2HGDH) is a novel metabolic target protecting from cardiac hypertrophy and heart failure | 9 |
| | A. Remes, L. Ding, B. Kamlage, U. Rennefahrt, S. Hille, A. Jungmann, K. Rapti, H.A. Katus, N. Frey, O.J. Mueller (Kiel, Berlin and Heidelberg, DE) | |
| 09:00 | Increased granulocyte neprilysin (CD10) expression is associated with better prognosis in patients with heart failure with reduced ejection fraction | 10 |
| | H. Arfsten, J. Novak, A. Cho, G. Goliash, P.E. Bartko, G. Strunk, M. Huelsmann, N. Pavo (Vienna, AT) | |
| 09:06 | The role and mechanism of Kir6.1 in diabetic cardiomyopathy | 11 |
| | Q. Zhu, J. Wang, Y. Li, P. Duan (Beijing, CN) | |
| 09:12 | Regulatory effect of enoyl coenzyme A hydratase 1 on left ventricular remodeling and dysfunction after acute myocardial infarction | 12 |
| | L. Baoqing, C. Rao, F. Li, N. Dong (Wuhan, CN) | |
| 09:18 | Purified exosome product and extracellular vesicles: treatment for acute myocarditis, dilated cardiomyopathy and heart failure | 13 |
| | K. Bruno, D.N. Diflorio, A.R. Hill, P.G. Stalboerger, L.T. Cooper Jr, A. Behfar, D. Fairweather (Jacksonville and Rochester, US) | |
| 09:24 | Impact of environmental factors on heart failure decompensations | 14 |
| | V. Escolar Perez, A. Lozano, N. Larburu, G. Artola, R. Alvarez, B. Juez, J. Kerexeta, A. Artetxe, A. Echebarria, A. Azcona (Bilbao and San Sebastián, ES) | |
| 09:30 | Acute intravenous infusion of the beta-3 adrenergic receptor antagonist APD418 improves left ventricular function in dogs with advanced heart failure: a dose escalation study | 15 |
| | H.N. Sabbah, K. Zhang, J. Xu, R.C. Gupta, J. Adams (Detroit and San Diego, US) | |
| 09:36 | Pharmacological inhibition of non-cardiac ATGL by Atglistatin improves myocardial deformation in a murine model of cardiac fibrosis | 16 |
| | A. Thiele, N. Beyhoff, A. Blumrich, D. Ritter, J. Grune, E. Smeir, K. Luettgies, R. Klopffleisch, R. Zechner, R. Breinbauer, U. Kintscher, A. Foryst-Ludwig (Berlin, DE; Graz, AT) | |
| 09:42 | Omecamtiv mecarbil: friend and foe - effects beyond positive inotropy | 17 |
| | G.A. Fulop, A. Olah, R. Porszasz, B. Horvath, A. Kovacs, L. Nagy, T. Csipo, S.L. Helgadottir, B. Juhasz, P. Nanasi Jr, B. Merkely, Z. Csanadi, T. Radovits, Z. Papp, A. Toth (Budapest and Debrecen, HU) | |
| 09:48 | Circulating sphingosine-1-phosphate as a non-invasive biomarker of heart transplant rejection | 18 |
| | E. Rosello-Lleti, C. Gil-Cayuela, M. Roca, F. Lago, J.R. Gonzalez-Juanatey, E. Sanchez-Lacuesta, L. Martinez-Dolz, M. Portoles (Valencia and Santiago de Compostela, ES) | |

SATURDAY

Saturday 25 May 2019

Morning Sessions

SATURDAY

08:30 - 10:00 RAPID FIRE ABSTRACTS AGORA 2

09:54 Genome-wide gene expression analysis reveals pathomechanisms in patients with heart failure and preserved ejection fraction (HFpEF) - Insights from the Leipzig Heart Study 19
K.P. Rommel, H. Kirsten, C. Beser, F. Schlotter, M. Von Roeder, A. Teren, F. Beutner, U. Ceglarek, J. Thiery, H. Thiele, R. Burkhardt, M. Scholz, P. Lurz (Leipzig, DE)

08:30 - 10:00 SPECIAL SESSION LAMBRAKIS

Late breaking trial I - Acute heart failure



SPECIAL SESSION

Chairperson(s): F. Ruschitzka (Zurich, CH); G. Filippatos (Athens, GR)
World Congress on Acute Heart Failure

08:30 - 10:00 SYMPOSIUM MITROPOULOS

Focus on diabetes in heart failure

Chairperson(s): P. Seferovic (Belgrade, RS); M. Mamas (Stoke On Trent, GB)

08:30 Diabetes-related cardiomyopathy. 26
W. Paulus (Amsterdam, NL)
08:52 The cardiologist perspective on GLP-1 receptor agonist and DPP-4 inhibitors. 27
J. McMurray (Glasgow, GB)
09:15 Positioning SGLT-2 inhibitors in the treatment of diabetes in heart failure. 28
S. Anker (Berlin, DE)
09:37 Treatment of type 2 diabetes with/without heart failure: pending results from ongoing trials. 29
J. Butler (Atlanta, US)

08:30 - 10:00 SYMPOSIUM SKALKOTAS

Management of acute heart failure in the ED: time matters



LOCAL TRACK

Chairperson(s): A. Mebazaa (Paris, FR); A. Trikas (Athens, GR)

08:30 Focused ultrasound 30
E. Polyzogopoulou (Athens, GR)
08:52 Biomarkers 31
G. Giamouzis (Larissa, GR)
09:15 Risk stratification 32
O. Miro (Barcelona, ES)
09:37 Early management 33
S. Xydonas (Chalandri, GR)

Saturday 25 May 2019

Morning Sessions

10:00 - 11:00 CLINICAL CASE POSTERS MODERATED POSTER AREA

Clinical Case Corner 1 - Catheters and devices

Chairperson(s): M. Wallner (Graz, AT); M.B. Yilmaz (Izmir, TR)

10:00	Acute myocardial infarction in cardiogenic shock: beyond coronary anatomy S. Alegria, T. Silva, A. Ferreira, I. Cruz, A. Marques, A.R. Pereira, A. Briosa, D. Sebaiti, I. Rangel, O. Simoes, H. Pereira (Almada, PT)	34
10:06	Ischemic cardiomyopathy late complication, an unusual aspect. J. Alves Guimaraes, F. Goncalves, S. Borges, J.J. Monteiro, J. Trigo, S. Carvalho, J.I. Moreira (Vila, PT)	35
10:12	The early onset of heart failure caused by myocardial infarction that is thrombus masquerade ballet D. Poluszynska, R. Romaneck, T. Wnuk, P. Grzelakowski, Ł. Kafarski, A. Goch (Bydgoszcz, PL)	36
10:18	Heart failure as an acquired coronary fistulamanifestation in the adulthood: a rare case of a coronary arterial fistula M.J. Rodriguez, E.J. Pardo Aparicio, L.A. Medina, M.D. Ocampo Gonzalez (Bogota and Bucaramanga, CO)	37
10:24	ICD and heart transplantation in a child with ARVC A. Mikhaylov, R. Tatarskiy, D. Lebedev, I. Nikitina, E. Vasickina, K. Chueva (Saint-Petersburg, RU)	38
10:30	Mechanical circulatory support before and after heart transplantation N. Piatrovich, L. Shestakova, Y. Ostrovsky (Minsk, BY)	39
10:36	Extracorporeal support life support. Insights form ventricular support with ecmo, levitronix and heartmate 3 in a patient with fulminant myocarditis and poor prognostic indicators G.C. Giraldo, L. Salazar, A. Figueredo, C. Pizarro, L.E. Echeverria (Cali and Bucaramanga, CO)	40
10:42	Blood-loss minimizing removal technique of extracorporeal membrane oxygenation circuit in a patient unable to receive blood transfusions because of religious belief S.M. Park, M.H. Jung, M.S. Kim, H.H. Choi, K.S. Hong, H. Lee (Chuncheon and Gumi, KR)	41
10:48	Clinical case of multiple thrombi in amphetamine-associated cardiomyopathy N. Dovganych, S. Kozhukhov (Kyiv, UA)	42
10:54	Intravascular Ultrasound As An Effective Tool Of The Left Main Critical Lesion Detection In A LVEF-preserved Allograft Within Cardiac Allograft Vasculopathy Surveillance. PCI Management Of The Case. A. Barysevich, O. Polonetsky, V. Stelmashok, A. Zakharevich, A. Zatsepin, N. Strygo, E. Kurlianskaya, L. Rachok (Minsk, BY)	43

10:00 - 11:00 MODERATED POSTERS MODERATED POSTER AREA

Moderated Poster Session - Acute heart failure

Chairperson(s): H.P. Brunner-La Rocca (Maastricht, NL)

10:00	External validation and comparison of the CardShock and IABPII shock risk scores in real-life cardiogenic shock patients M. Rivas Lasarte, J. Sans-Rosello, E. Collado Lledo, V. Gonzalez Fernandez, J. Fernandez Martinez, F. Noriega Sanz, F. Hernandez Perez, J. Segovia, A. Viana, R.M. Lidon, A. Ariza, A. Sionis (Barcelona and Madrid, ES)	44
10:06	Adverse Dose Dependent Effects of Morphine Therapy in Acute Heart Failure O. Caspi, N.R. Naami, E.A. Halfin, D.A. Aronson (Haifa, IL)	45
10:12	Prevalence and prognostic impact of anaemia, renal insufficiency, and iron deficiency in patients discharged from hospital after decompensation for systolic heart failure M. Kordsmeyer, G. Gueder, C. Morbach, M. Kaspar, S. Brenner, S. Stoerk, G. Ertl, C.E. Angermann (Wurzburg, DE)	46

SATURDAY

Saturday 25 May 2019

Morning Sessions

SATURDAY

10:00 - 11:00	MODERATED POSTERS	MODERATED POSTER AREA
10:18	Admission high-sensitivity troponin T and NT-proBNP for outcome prediction in acute heart failure A. Aimo, J.L. Januzzi, C. Mueller, O. Miro, D. Pascual Figal, J. Jacob, P. Herrero-Puente, P. Llorens, D. Wussler, N. Kozuharov, Z. Sabti, T. Breidhardt, G. Vergaro, C. Prontera, M. Emdin (Pisa, IT; Boston, US; Basel, CH; Barcelona, Murcia and Alicante, ES)	47
10:24	Increased NT-proBNP levels most significantly predict 30-day mortality in admitted out-of-hospital-cardiac-arrest (OHCA) patients A. Sinkovic, K.M. Novak, M. Martincic (Maribor, SI)	48
10:30	The clinical use of bioactive adrenomedullin and proenkephalin A in detecting congestion, renal dysfunction and clinical outcomes in two independent acute heart failure cohorts J. Molvin, A. Jujic, S. Navarin, O. Melander, G. Zoccoli, O. Hartmann, A. Bergmann, J. Struck, E. Bachus, S. Di Somma, M. Magnusson (Malmo, SE; Rome, IT; Hennigsdorf, DE)	49
10:36	Heart failure day treatment centre (HFDTCC), a novel service design T. Castiello, G. Williams, A. Krakowiak (London, GB)	50
10:42	5-year outcome of acute heart failure in Korea: results from the Korean acute heart failure registry (KorAHF) G.C. Oh, H.J. Cho, H.Y. Lee, M.C. Cho, B.H. Oh (Seoul, Cheongju and Incheon, KR)	51
10:48	Surface respiratory electromyography and dyspnea in acute heart failure patients D. Luiso, J.A. Villanueva, L.C. Belarte-Tornero, A. Fort, Z. Blazquez-Bermejo, S. Ruiz, R. Farre, J. Rigau, J. Marti-Almor, N. Farre (Barcelona, Girona and Madrid, ES)	52
10:54	Residual congestion on discharge for Heart Failure assessed by impedance technique predicts 30-day and one-year Heart Failure death. Results of IMPEDANCE-HF extended trial M. Kleiner Shochat, D. Kapustin, M. Fudim, M. Kazatsker, Y. Levy, A. Asif, I. Kleiner, J.M. Weinstein, G. Panjrath, A. Roguin, S. Meisel (Hadera and Beer Sheva, IL; Toronto, CA; Durham and Washington, US)	53

10:00 - 11:00	HOW-TO SESSION	VIRTUAL CASE AREA
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Virtual case 1 - Failing or not failing right myocardium?

Chairperson(s): J. Grapsa (London, GB); M. Anker (Berlin, DE)

A 52-year old man suffering from aortic aneurysm rupture was transferred immediately to a specialist heart and lung centre, for an emergency surgical repair of ruptured aneurysm

11:00 - 12:00	RAPID FIRE ABSTRACTS	AGORA 2
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Rapid Fire 2 - Biomarker: present and future

Chairperson(s): J. Wilfred (Bergisch Gladbach, DE); H.P. Brunner-La Rocca (Maastricht, NL)

11:00	Role of neprilysin in myocardial tissue Renin-Angiotensin-System (RAS) of the failing heart N. Pavo, H. Arfsten, G. Goliash, P.E. Bartko, S. Prausmueller, G. Spinka, J.F. Novak, A. Cho, R. Wurm, M. Poglitsch, M. Huelsmann (Vienna, AT)	54
11:05	The value of tubular maximum phosphate reabsorption capacity, a functional proximal tubular parameter in heart failure J.E. Emmens, M.H. De Borst, K. Damman, A.A. Voors, J.M. Ter Maaten (Groningen, NL)	55
11:10	The risk of bias of current novel circulating biomarker studies for the detection of HFpEF and left ventricular diastolic dysfunction M. Henkens, S. Rimmelzwaal, A.J. Ballegooijen Van, E. Robinson, A. Barandiaran Aizpurua, A.G. Raafs, J.A.J. Verdonschot, M.R. Hazebroek, S. Sanders-Wijk Van, V.P.M. Empel Van, R. Vos, H.P. Brunner-La Rocca, J.W.J. Beulens, S.R.B. Heymans (Maastricht and Amsterdam, NL)	56

Saturday 25 May 2019

Morning Sessions

SATURDAY

11:00 - 12:00	RAPID FIRE ABSTRACTS	AGORA 2
11:16	The effect of liraglutide on natriuretic peptides and copeptin in heart failure patients R. Nielsen, A. Jorsal, R.S. Tougaard, J. Rasmussen, M. Schou, L. Videbaek, I. Gustafsson, A. Flyvbjerg, H. Wiggers, L. Tarnow, C. Kistorp (Aarhus, Svendborg, Copenhagen, Odense and Region Sealand, DK)	57
11:21	Improvement of existing strategies to prevent heart failure after myocardial infarction: a potential role for thrombopoietin L. Malinova, N. Furman, P. Dolotovskaya, N. Puchinyan, T. Denisova (Saratov, RU)	58
11:27	Plasma Tenascin-C: a novel prognostic biomarker in heart failure with preserved ejection fraction P. Kanagala, J.R. Arnold, J.N. Khan, A. Singh, G.S. Gulsin, D.C.S. Chan, A.S.H. Cheng, J. Yang, Z. Li, P. Gupta, I.B. Squire, G.P. Mccann, L.L. Ng (Liverpool, Leicester and Kettering, GB; Princeton, US)	59
11:32	Phosphodiesterase 9A - novel biomarker or potential therapeutic target in patients with heart failure and preserved ejection fraction? K.P. Rommel, C. Besler, J. Moerbitz, H. Kirsten, M. Scholz, K. Kingel, J. Thiery, R. Burkhardt, P. Buettner, V. Adams, H. Thiele, P. Lurz (Leipzig, Tuebingen and Dresden, DE)	60
11:38	Evolution of low risk natriuretic peptide to higher risk - Do we have a phenotype? N. Blake, J. Gallagher, C. Watson, E.O. Connell, M. Ledwidge, K. Mc Donald (Dublin, IE)	61
11:43	Biomarker correlates of coronary microvascular dysfunction and diastolic dysfunction in heart failure with preserved ejection fraction J. Tromp, C. Hage, S. Sanders-Van Wijk, S. Svedlund, A. Saraste, U.L. Faxen, M. Lagerstrom Fermer, L.M. Gan, L.H. Lund, S.J. Shah, C.S.P. Lam (Singapore, SG; Stockholm and Gothenburg, SE; Maastricht, NL; Turku, FI; Chicago, US)	62
11:49	Serum endothrophen levels in heart failure patients with reduced ejection fraction; a preliminary study G. Capar, H. Eruzun, Y. Arman, I. Toprak, U. Yilmaz, O. Kutlu, I. Aslan, S. Aydin Yoldemir, Y. Kutlu, M. Ozcan, S. Irmak, G. Guven, T. Tupek (Istanbul, TR)	63
11:54	Global longitudinal strain predicts future cardiovascular hospitalizations and death in patients with non-ischemic cardiomyopathy and recovered left ventricular ejection fraction: a multicenter study L. Adamo, M. Merlo, F. Clemenza, A. Perry, E. La Franca, L. Ajello, D. Bellavia, A. Boscutti, M. Gobbo, A. Kraja, G. Romano, D. Stolfo, J. Gorcsan, G. Sinagra, D. Mann (St. Louis, US; Trieste and Palermo, IT)	64

11:00 - 12:00	SPECIAL SESSION	TRIANTI
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HFA Focus

Chairperson(s): M.F. Piepoli (Piacenza, IT); C. Maack (Wuerzburg, DE); J. Steffel (Zurich, CH)



This is a mobile app interactive session, Audience will be invited to interact during the presentations by answering questions when prompted by the speakers and can use «Ask» to send their questions directly to the chairpersons

11:00	A case of a patient with heart failure, atrial fibrillation and wide QRS - indication for a CRT-D? M. Polovina (Belgrade, RS)	65
11:15	Panel discussion. M.F. Piepoli (Piacenza, IT); J. Steffel (Zurich, CH); C. Maack (Wuerzburg, DE)	66
11:30	A case of a patient with chronic kidney disease and hyperkalemia: how to optimise RAAS inhibitors? G. Savarese (Stockholm, SE)	67
11:45	Panel discussion. M.F. Piepoli (Piacenza, IT); C. Maack (Wuerzburg, DE); J. Steffel (Zurich, CH)	68

Saturday 25 May 2019

Morning Sessions

SATURDAY

11:00 - 12:00 SYMPOSIUM LAMBRAKIS

Acute heart failure and acute coronary syndrome

Chairperson(s): J.M. Weinstein (Beer-Sheva, IL); C. O'Connor (Durham, US)
World Congress on Acute Heart Failure

11:00	Clinical presentation vs. treatment strategies. S.O. Rosillo Rodriguez (Madrid, ES)	69
11:15	Diagnostic pitfalls: separating myocardial infarction from injury. E. Giannitsis (Heidelberg, DE)	70
11:30	Myocardial revascularization strategies. M. Roffi (Geneva, CH)	71
11:45	Management of complications. M. Sousa Uva (Carnaxide, PT)	72

11:00 - 12:00 Guidelines in Daily Practice Ionian Sea

Guidelines in Daily Practice I: Potassium binders

Chairperson(s): B. Pitt (Ann Arbor, US); J. Butler (Atlanta, US)



MOBILE APP
SESSION

11:00	A patient on RAAS inhibitors with hyperkalemia. E.A. Jankowska (Wroclaw, PL)	73
11:15	What do the guidelines say? S. Anker (Berlin, DE)	74
11:25	How to implement the guidelines? M. Lainscak (Murska Sobota, SI)	75
11:35	Panel discussion. B. Pitt (Ann Arbor, US); A. Coats (Coventry, GB)	76
11:45	Conclusion and take home message. J. Butler (Atlanta, US)	77

11:00 - 12:00 SYMPOSIUM MITROPOULOS

Lifestyle interventions in chronic heart failure

Chairperson(s): A. Rakisheva (Almaty, KZ); M. Fiuzat (Durham, US)

11:00	Changing habits: alcohol and tobacco. G.M.C. Rosano (London, GB)	78
11:12	Key issues in diet, weight control. C. Chrysohoou (Athens, GR)	79
11:24	Sodium restriction in heart failure: take it with a grain of salt. A. Flammer (Zurich, CH)	80
11:36	Exercise: what is enough and how much is too much. M. Volterrani (Rome, IT)	81
11:48	How to adapt sex life. C. Vlachopoulos (Athens, GR)	82

Saturday 25 May 2019

Morning Sessions

11:00 - 12:00 SYMPOSIUM SKALKOTAS

Managing Heart Failure patients with COPD



Chairperson(s): I. Kanonidis (Thessaloniki, GR); D.N. Tziakas (Alexandroupolis, GR)

LOCAL TRACK

11:00	Epidemiology and prognosis A. Hoes (Utrecht,NL)	83
11:15	Managing Heart Failure in COPD K. Naka (Ioannina,GR)	84
11:30	Managing COPD in Heart Failure S. Loukidis (Athens,GR)	85
11:45	The role of NIV J. Masip (Barcelona,ES)	86

11:00 - 12:00 SYMPOSIUM AEGEAN SEA

Anti-fibrotic therapies in heart failure.

Chairperson(s): R. De Boer (Groningen, NL); G. Condorelli (Rozzano, IT)

Basic Science - Translational

11:00	Myocardial fibrosis: new concepts. S. Heymans (Maastricht, NL)	87
11:15	Targeting the cellular origin of cardiac fibrosis. J. Hulot (Paris, FR)	88
11:30	Natural compounds to treat cardiac fibrosis. T. Thum (Hannover, DE)	89
11:45	Clinical value of anti-fibrotic strategies. F. Zannad (Vandoeuvre Les Nancy, FR)	90

11:00 - 12:00 SYMPOSIUM AGORA 1

E-health and social media in heart failure

Chairperson(s): I. Uchmanowicz (Wroclaw, PL); P. Agathangelou (Nicosia, CY)

11:00	Heart failure matters website: online support for patients. K. Dickstein (Stavanger, NO)	91
11:15	Telemonitoring in heart failure. F. Koehler (Berlin, DE)	92
11:30	Tweet or not tweet? E. Lambrinou (Limassol, CY)	93
11:45	Mobile applications for heart failure management. L. Neubeck (Edinburgh, GB)	94

SATURDAY

Saturday 25 May 2019

Lunchtime Sessions

SATURDAY

12:15 - 13:15

SATELLITE SYMPOSIUM

TRIANTI

Optimizing the heart failure patients' pathway right from the discharge

Sponsored by **SERVIER**

Chairperson(s): P. Seferovic (Belgrade, RS); A. Coats (Coventry, GB)

- To highlight the need for the treatment optimization in particular on the vulnerable phase of the heart failure patients' pathway, at the discharge from the hospital
- To share clinical experience of specialists who have been involved in the optimize heart failure care program

12:15	Introduction - Optimizing the heart failure patients' pathway right from the discharge. P. Seferovic (Belgrade, RS)	95
12:20	The need to optimize treatments throughout the heart failure patients' pathway. A. Coats (Coventry, GB)	96
12:35	What more can we do for patients with heart failure? - Interactive clinical cases. C.I. Saldarriaga (Medellin, CO)	97
12:50	Panel discussion about clinical cases - Optimizing the heart failure patients' pathway right from the discharge. P. Liu (Ottawa, CA); A. Coats (Coventry, GB); P. Seferovic (Belgrade, RS)	98
13:10	Conclusion - Optimizing the heart failure patients' pathway right from the discharge. A. Coats (Coventry, GB)	99

12:15 - 13:15

SATELLITE SYMPOSIUM

LAMBRAKIS

Reshaping the future of heart failure management - Translating innovations to practice in HFpEF

Organised by **PACE-CME, Physicians' Academy for Cardiovascular Education**, supported with educational grants provided by **Novartis, Novo Nordisk and Pfizer**

Chairperson(s): R. De Boer (Groningen, NL); A. Voors (Groningen, NL)

- Review Heart Failure with preserved Ejection Fraction (HFpEF) as a heterogeneous syndrome and health problem of growing public importance with high morbidity and mortality
- Review the pathophysiological myocardial findings in HFpEF
- Understand the role of diabetes and obesity as modifiable risk factors in HFpEF
- Discuss and review current and future strategies for practical management of comorbidities in HFpEF

12:15	Introduction - Reshaping the future of heart failure management - Translating innovations to practice in HFpEF. R. De Boer (Groningen, NL); D. van Veldhuisen (Groningen, NL)	100
12:20	HFpEF: one name, many diseases, a wide variety? A. Voors (Groningen, NL)	101
12:25	Understanding and managing obesity-related HFpEF. M. Packer (Dallas, US)	102
12:40	Cardiac amyloidosis: an emerging target in HFpEF? P. Van Der Meer (Groningen, NL)	103
12:55	Heart failure & diabetes: what is the goal of treatment? J. McMurray (Glasgow, GB)	104
13:10	Panel discussion - Reshaping the future of heart failure management - Translating innovations to practice in HFpEF. R. De Boer (Groningen, NL); D. van Veldhuisen (Groningen, NL)	105

Saturday 25 May 2019

Lunchtime Sessions

SATURDAY

12:15 - 13:15

SATELLITE SYMPOSIUM

IONIAN SEA

Overcoming challenges in the treatment of congestion in heart failure

Sponsored by Fresenius Medical Care

Chairperson(s): F. Ruschitzka (Zurich, CH); G. Filippatos (Athens, GR)

- Understand the clinical impact of acute heart failure congestion and diuretic resistance;
- Understand gaps in evidence regarding drug therapy for congestion;
- Understand potential of gentle ultrafiltration to facilitate diuretic response;
- Awareness for PURE-Heart Failure (HF) trial

12:15	Welcome & introduction - Overcoming challenges in the treatment of congestion in heart failure. F. Ruschitzka (Zurich, CH)	106
12:20	Unmet needs in acute heart failure, diuretic resistance and congestion. L. Lund (Stockholm, SE)	107
12:35	The challenges of drug therapy for congestion. M. Metra (Brescia, IT)	108
12:50	Gentle ultrafiltration - A new concept in treating patients with heart failure. F. Ruschitzka (Zurich, CH)	109
13:05	The road ahead. G. Filippatos (Athens, GR)	110

12:15 - 13:15

SATELLITE SYMPOSIUM

MITROPOULOS

Management of hyperkalaemia in patients with heart failure - Overcoming barriers to optimal renin-angiotensin-aldosterone system inhibitor therapy

Organised by MedEd Global Solutions & University of Lorraine, supported with an educational grant from Vifor Pharma

Chairperson(s): F. Zannad (Vandoeuvre Les Nancy, FR); J. Butler (Atlanta, US)

- Recognise the importance of hyperkalaemia as a barrier to optimal renin-angiotensin-aldosterone system inhibitor therapy in patients with heart failure.
- Evaluate the benefits and challenges of hyperkalaemia management in patients with heart failure, resistant hypertension and chronic kidney disease.
- Discuss how to implement a multidisciplinary approach to improve the outcomes heart failure patients with hyperkalaemia.

12:15	Welcome and introduction - Management of hyperkalaemia in patients with heart failure - Overcoming barriers to optimal renin-angiotensin-aldosterone system inhibitor therapy. F. Zannad (Vandoeuvre Les Nancy, FR)	111
12:20	Hyperkalaemia in patients with heart failure - Addressing the unmet medical need. M. Lainscak (Murska Sobota, SI)	112
12:35	New evidence on hyperkalaemia management in patients with heart failure, resistant hypertension and chronic kidney disease - The cardiologist's perspective. I. Pina (Detroit, US)	113
12:50	New evidence on hyperkalaemia management in patients with heart failure, resistant hypertension and chronic kidney disease - The nephrologist's perspective. P. Rossignol (Vandoeuvre Les Nancy, FR)	114
13:05	Panel discussion and close - Management of hyperkalaemia in patients with heart failure - Overcoming barriers to optimal renin-angiotensin-aldosterone system inhibitor therapy. J. Butler (Atlanta, US)	115

Saturday 25 May 2019

Lunchtime Sessions

SATURDAY

12:15 - 13:15

SATELLITE SYMPOSIUM

SKALKOTAS

Solving the puzzle of heart failure, diabetic kidney disease and risk of stroke: let's fit the pieces together

Sponsored by Bayer AG

Chairperson(s): M. Cowie (London, GB)

- Educate on the role of dual pathway inhibition in high risk chronic Coronary Artery Disease (CAD) patients, such as patients with concomitant chronic Heart Failure (HF)
- Consider the impact of Chronic Kidney Disease (CKD) on stroke prevention in patients with Atrial Fibrillation (AF)
- Explore the interaction between heart failure and kidney disease and potential therapeutic options to address this
- Discuss future directions in the digital management of patients with heart failure

12:15	Welcome and introduction - Solving the puzzle of heart failure, diabetic kidney disease and risk of stroke: let's fit the pieces together.	116
	M. Cowie (London, GB)	
12:20	New opportunities in managing your high risk chronic CAD patient.	117
	K. Branch (Seattle, US)	
12:30	Interlinked factors affecting stroke risk in your patients with AF.	118
	H. Bonnemeier (Kiel, DE)	
12:45	Heart failure and kidney disease: completing the puzzle.	119
	C.S. Lam (Singapore, SG)	
12:55	Digital solutions to improve outcomes in heart failure.	120
	M. Cowie (London, GB)	
13:05	Q&A and closing - Solving the puzzle of heart failure, diabetic kidney disease and risk of stroke: let's fit the pieces together.	121
	M. Cowie (London, GB); K. Branch (Seattle, US); H. Bonnemeier (Kiel, DE); C.S. Lam (Singapore, SG)	

12:15 - 13:15

SATELLITE SYMPOSIUM

AEGEAN SEA

How heart failure biomarkers change clinical practice in the management of acute heart failure
Sponsored by Roche Diagnostics

Chairperson(s): A. Mebazaa (Paris, FR); H.P. Brunner-La Rocca (Maastricht, NL)

- To understand the role of NT-proBNP (NT-proBNP = N-terminal pro Brain Natriuretic Peptide) in acute heart failure diagnosis and treatment
- To review how the differences between BNP and NT-proBNP impact clinical practice
- To discuss on the optimization of post-discharge management after acute heart failure

12:15	Role of NT-proBNP in acute heart failure diagnosis and treatment.	122
	H. Gaggin (Boston, US)	
12:30	Physiologic differences between BNP and NT-proBNP and impact on clinical practice.	123
	D. Logeart (Paris, FR)	
12:45	Optimization of post-discharge management after acute heart failure.	124
	R. Troughton (Christchurch, NZ)	
13:00	Faculty discussion - How heart failure biomarkers change clinical practice in the management of acute heart failure.	125
	A. Mebazaa (Paris, FR); H.P. Brunner-La Rocca (Maastricht, NL); H. Gaggin (Boston, US); D. Logeart (Paris, FR); R. Troughton (Christchurch, NZ)	

Saturday 25 May 2019

Lunchtime Sessions

SATURDAY

12:15 - 13:15

SATELLITE SYMPOSIUM

AGORA 1

Problems and optimization of volume management in patients with acute heart failure Sponsored by Reprise Cardiovascular

Chairperson(s): H. Levin (New York, US)

Volume management remains a challenge and concern in the treatment of acute decompensated heart failure. Three leading experts in cardiology will review current treatments for managing this and discuss a proposed new approach to increase safely urine output in acute decompensated heart failure patients.

12:15	Introduction - Problems and optimization of volume management in patients with acute heart failure. H. Levin (New York, US)	126
12:20	Current pharmacological and device-based therapies for fluid overload in Acute Decompensated Heart Failure (ADHF). H. Levin (New York, US)	127
12:35	Reprise-guided diuretic therapy: a novel physiological approach to volume management. J. Testani (New Haven, US)	128
12:50	Current clinical experience with reprove-guided diuretic therapy in acute heart failure patients, and its potential for the future. P. Ponikowski (Wroclaw, PL)	129
13:05	Moderated discussion - Problems and optimization of volume management in patients with acute heart failure. H. Levin (New York, US)	130

13:30 - 14:30

SATELLITE SYMPOSIUM

TRIANTI

Cardiac amyloidosis in the spotlight: how to treat today? Organised by Medscape Education, supported with an educational grant from Alnylam Pharmaceuticals

Chairperson(s): M. Slama (Paris, FR)

Increased knowledge:

- Regarding new and emerging clinical data on treatment of hereditary Transthyretin-Related Amyloidosis (hATTR)

Greater competence related to:

- Use of appropriate testing modalities to improve early diagnosis of amyloidosis

- Tailoring therapy for patients with cardiac amyloidosis, including hATTR

13:30	Welcome and introduction - Cardiac amyloidosis in the spotlight: how to treat today? M. Slama (Paris, FR)	131
13:35	Cardiac amyloidosis as a medical emergency: improving timely diagnosis. M. Slama (Paris, FR)	132
13:50	Advances in treatment of amyloidosis: hATTR in the spotlight. A. Kristen (Darmstadt, DE)	133
14:05	Treating cardiac amyloidosis today: cases and considerations. T. Damy (Creteil, FR)	134
14:20	Panel discussion and Q&A - Cardiac amyloidosis in the spotlight: how to treat today? M. Slama (Paris, FR); A. Kristen (Darmstadt, DE); T. Damy (Creteil, FR)	135

Saturday 25 May 2019

Lunchtime Sessions

SATURDAY

13:30 - 14:30

SATELLITE SYMPOSIUM

LAMBRAKIS

Heart Failure, diabetes & SGLT2 inhibition: time to change practice?

Organised by PACE-CME, Physicians' Academy for Cardiovascular Education, supported with an educational grant from Boehringer Ingelheim

Chairperson(s): A. Voors (Groningen, NL); M. Cowie (London, GB)

- To explore mechanisms and common pathways underlying the development of cardiovascular disease and heart failure and the particular risk of patients with diabetes
- To discuss the role of anti-diabetic therapy, in particular the use of Sodium/Glucose Cotransporter 2 (SGLT2)inhibitors, in a risk-based intervention strategy that targets glucose control and cardiovascular risk factors
- To discuss current and future strategies for practical management of heart failure and interventions to prevent cardiovascular events

13:30	The essentials for diabetes and heart failure. M. Cowie (London, GB)	136
13:40	Why could patients with heart failure and T2DM benefit from SGLT2 inhibition? S. Verma (Toronto, CA)	137
13:55	Real world practices and outcomes in the management of heart failure patients with T2DM. C.S. Lam (Singapore, SG)	138
14:10	The future of SGLT2 inhibition in heart failure: managing patients without T2DM? A. Voors (Groningen, NL)	139
14:25	Panel discussion - Heart Failure, diabetes & SGLT2 inhibition: time to change practice? M. Cowie (London, GB)	140

13:30 - 14:30

SATELLITE SYMPOSIUM

IONIAN SEA

The hyperkalaemia challenge in heart failure: what is the role of novel agents?

Sponsored by AstraZeneca

Chairperson(s): A. Coats (Coventry, GB)

After this Satellite Symposium, delegates will understand that:

1. Hyperkalaemia is prevalent in patients with heart failure and results in poor outcomes
2. Hyperkalaemia is often a barrier to guideline-recommended renin-angiotensin-aldosterone system inhibitor therapy, leading to submaximal use of these life-saving medications and increased mortality
3. Novel agents with rapid onset of action, high selectivity for potassium and improved tolerability versus older agents have the potential to change the current management of heart failure by allowing patients to derive full benefits of their renin-angiotensin-aldosterone system inhibitor therapy

13:30	Chair's introduction - The hyperkalaemia challenge in heart failure: what is the role of novel agents? A. Coats (Coventry, GB)	141
13:35	What is the clinical impact of hyperkalaemia? C. Linde (Stockholm, SE)	142
13:45	Hyperkalaemia: a barrier to optimal management of patients with heart failure? A. Coats (Coventry, GB)	143
13:55	Solving the K ⁺ challenge in heart failure: are novel K ⁺ binders the answer? M. Volterrani (Rome, IT)	144
14:20	Clinical experience with novel K ⁺ binders: what are the opportunities and challenges? A. Coats (Coventry, GB); C. Linde (Stockholm, SE); M. Volterrani (Rome, IT)	145

Saturday 25 May 2019

Lunchtime Sessions

13:30 - 14:30

SATELLITE SYMPOSIUM

MITROPOULOS

Current challenges and innovations in the treatment of mitral and tricuspid regurgitation Organised by Charité Berlin, supported with an educational grant from Edwards

Chairperson(s): S. Anker (Berlin, DE); K. Spargias (Athens, GR)

- Understand the evolution of mitral regurgitation treatment options and latest innovations
- Learn how to use latest transcatheter techniques in patients with functional or degenerative mitral regurgitation
- Understand the complexity of diagnosis and treatment of tricuspid regurgitation
- Understand the need for new treatment options and the advantages and benefits of recent innovations

13:30	Introduction - Current challenges and innovations in the treatment of mitral and tricuspid regurgitation. S. Anker (Berlin, DE)	146
13:32	Patient selection in mitral valve repair: impact of latest innovations. G. Hasenfuss (Goettingen, DE)	147
13:44	Treating functional mitral regurgitation: case presentation. M. Chrissoheris (Athens, GR)	148
13:54	From mitral regurgitation to tricuspid valve disease: current challenges. R.S. Von Bardeleben (Mainz, DE)	149
14:06	Managing tricuspid valve disease: an innovative therapeutic option. F. Maisano (Zurich, CH)	150
14:18	Panel discussion and conclusion - Current challenges and innovations in the treatment of mitral and tricuspid regurgitation. K. Spargias (Athens, GR); G. Hasenfuss (Goettingen, DE); S. Anker (Berlin, DE); R.S. Von Bardeleben (Mainz, DE); M. Chrissoheris (Athens, GR); F. Maisano (Zurich, CH)	151

13:30 - 14:30

SATELLITE SYMPOSIUM

SKALKOTAS

Functional mitral regurgitation in heart failure: time to treat! Sponsored by Abbott

Chairperson(s): G. Filippatos (Athens, GR); J. Bax (Leiden, NL)

- Raise awareness on the impact of mitral regurgitation in heart failure
- Get up to date on the recent evidence (COAPT & MitraFR) supporting the treatment of functional mitral regurgitation
- Identify patient to benefit from transcatheter mitral valve repair intervention

13:30	Introduction - Functional mitral regurgitation in heart failure: time to treat! G. Filippatos (Athens, GR)	152
13:32	Why should we treat functional mitral regurgitation in heart failure. M. Senni (Bergamo, IT)	153
13:45	Understanding the significance of mitral regurgitation and when drugs are not enough. J. Bax (Leiden, NL)	154
14:05	What COAPT & MitraFR tell us. W. Abraham (Columbus, US)	155
14:25	Conclusion & take-home messages - Functional mitral regurgitation in heart failure: time to treat! J. Bax (Leiden, NL)	156

SATURDAY

Saturday 25 May 2019

Afternoon Sessions

SATURDAY

14:45 - 16:15

CLINICAL CASES

AGORA 2

Clinical Case Award - Unusual heart failure presentations: teach the teachers



AWARD SESSION

Chairperson(s): R. Starling (Cleveland, US); E. Iliodromitis (Agia Paraskevi Athens, GR)
Judge(s): C. Tschoepe (Berlin, DE); L. Cooper (Jacksonville, US); K. Naka (Ioannina, GR)

- | | | |
|-------|---|-----|
| 15:00 | An unusual case of giant cell myocarditis managed with immunosuppression and left ventricular assist device
J. Fallon, A. Parker, S.P. Dunn, J.L.W. Kennedy (Charlottesville, US) | 157 |
| 15:15 | Sudden cardiac death: a case of fulminant myocarditis
E. Meekers, R. Achten, R. Cartuyvels, P. Koopman, E. Benit, P.J. Timmermans (Hasselt, BE) | 158 |
| 15:30 | Constrictive pericarditis secondary to prior Mycobacterium tuberculosis infection: the use of multimodality imaging to guide pericardectomy
A. Salem, C. Nunn, A. Kardos (Milton Keynes, GB) | 159 |
| 15:45 | Double trouble: when a thrombus save your life
L. Moderato, S. Binno, M.F. Piepoli, R. Giacalone, B. Borrello, G. Pastorini, G.Q. Villani (Parma and Piacenza, IT) | 160 |
| 16:00 | The price of emulating Hercules: mephentermine associated cardiomyopathy (MAC)
A.K. Singal, S. Deepti, G. Sharma, S.S. Kothari (New Delhi, IN) | 161 |

14:45 - 16:15

DEBATE SESSION

TRIANTI

The Grand Debate 1: Advances in medical and interventional treatment of heart failure



MOBILE APP SESSION

Chairperson(s): B. Bozkurt (Houston, US); A. Coats (Coventry, GB)

- | | | |
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| 14:45 | Positioning of the topic. | 162 |
| 14:49 | TAVI should be used in low risk patients with symptomatic severe aortic stenosis - Pro
A. Colombo (Milan, IT) | 163 |
| 15:04 | TAVI should be used in low risk patients with symptomatic severe aortic stenosis - Con. | 164 |
| 15:19 | Rebuttal.
G. Stone (New York, US); A. Colombo (Milan, IT) | 165 |
| 15:25 | Conclusion and take-home message.
A. Coats (Coventry, GB) | 166 |
| 15:30 | Positioning of the topic.
B. Bozkurt (Houston, US) | 167 |
| 15:34 | Therapy with Sacubitril-Valsartan should begin in hospital-Pro
E. Velazquez (New Haven, US) | 168 |
| 15:49 | Therapy with Sacubitril-Valsartan should begin in hospital - Con | 169 |
| 16:04 | Rebuttal.
E. Velazquez (New Haven, US) | 170 |
| 16:10 | Conclusion and take-home message.
B. Bozkurt (Houston, US) | 171 |

Saturday 25 May 2019

Afternoon Sessions

14:45 - 16:15 CLINICAL CASES LAMBRAKIS

Advances in therapeutic interventions in acute heart failure

Chairperson(s): O. Miro (Barcelona, ES); J. Butler (Atlanta, US)

World Congress on Acute Heart Failure



MOBILE APP
SESSION

14:45	Mechanical ventilation/respiratory support. J. Masip (Barcelona, ES)	172
15:00	Fluid removal therapies. L. Lund (Stockholm, SE)	173
15:15	Vasodilators: from guidelines to practice. M. Metra (Brescia, IT)	174
15:30	Inotropes: risk and benefits. M. Konstam (Boston, US)	175
15:45	Discussion.	176

14:45 - 16:15 SYMPOSIUM IONIAN SEA

Exercise in heart failure: challenges and opportunities

Chairperson(s): C.O'Connor (Durham, US); A. Karavidas (Athens, GR)

14:45	Cardiac rehabilitation for patients with a ventricular assist device. S. Adamopoulos (Athens, GR)	177
15:07	Training frail patients with heart failure: mission impossible. M.F. Piepoli (Piacenza, IT)	178
15:30	Tracking and tailoring exercise at home. E. Piotrowicz (Warsaw, PL)	179
15:52	Gaps in implementation and in knowledge. M. Volterrani (Rome, IT)	180

14:45 - 16:15 SYMPOSIUM MITROPOULOS

Multimodality imaging in heart failure

Chairperson(s): F.J. Pinto (Lisbon, PT); P. Nihoyannopoulos (London, GB)

World Congress on Acute Heart Failure

14:45	Echocardiographic assessment: emerging concepts J. Bax (Leiden, NL)	181
15:07	CMR in heart failure: detecting inflammation and fibrosis. M. Emdin (Pisa, IT)	182
15:30	Uncovering the aetiology of heart failure: cardiac CT. S. Achenbach (Erlangen, DE)	183
15:52	Nuclear imaging in the evaluation of ventricular dysfunction. C. Anagnostopoulos (Athens, GR)	184

SATURDAY

Saturday 25 May 2019

Afternoon Sessions

SATURDAY

14:45 - 16:15

SYMPOSIUM

SKALKOTAS

How to integrate new technologies in the heart failure clinic



LOCAL TRACK

Chairperson(s): P. Vardas (Athens, GR); A. Sideris (Halandri, GR)

14:45	Big Health Data and artificial intelligence in heart failure A. Maisel (Solana Beach, US)	185
15:07	New devices in heart failure F. Schoenrath (Berlin, DE)	186
15:30	New Imaging techniques in heart failure A. Kitsiou (Athens, GR)	187
15:52	Medications profile post hospitalization for acute heart failure A. Kalogeropoulos (Stony Brook, US)	188

14:45 - 16:15

SYMPOSIUM

AEGEAN SEA

Translating pathophysiology to the clinic in Takotsubo syndrome

Chairperson(s): A. Lyon (London, GB); C. Templin (Zurich, CH)

Basic Science - Translational

14:45	Catecholaminergic stunning during the acute phase - Preclinical and clinical evidence. M. Ciccarelli (Baronissi, IT)	189
15:07	Acute changes in myocardial metabolism. E. Omerovic (Gothenburg, SE)	190
15:30	Electrical instability and arrhythmias. O. Morel (Strasbourg, FR)	191
15:52	Long term changes in the hearts of Takotsubo syndrome survivors. D. Dawson (Aberdeen, GB)	192

14:45 - 16:15

SYMPOSIUM

AGORA 1

Myocarditis: from bench to bedside

Chairperson(s): Z. Papp (Debrecen, HU); C. Maack (Wuerzburg, DE)

14:45	Pathophysiology. S. Heymans (Maastricht, NL)	193
15:07	Clinical presentation. A. Ristic (Belgrade, RS)	194
15:30	Advances in diagnostic strategies: CMR, cardiac CT or biopsy. S. Mavrogeni (Athens, GR)	195
15:52	Management. L. Cooper (Jacksonville, US)	196

Rapid Fire 3 - Acute heart failure

Chairperson(s): S. Price (London, GB); M. Abdelhamid (Cairo, EG)

- | | | |
|-------|--|-----|
| 16:30 | <p>The discriminative power and optimal diagnostic thresholds of NT-proBNP in patients admitted with acute heart failure-related signs and symptoms: a prospective observational study</p> <p>P. Simitzis, J. Webb, J. Draper, S. Piper, T. Jackson, S. Claridge, T.A. Mcdonagh, S. Kapetanakis, R. Razavi, G. Carr-White (London, GB)</p> | 197 |
| 16:36 | <p>Compeering of predictive accuracy for 30, 90 and 365-day Heart Failure readmission assessed by impedance technique and NT-proBNP. Results of IMPEDANCE-HF extended trial</p> <p>M. Kleiner Shochat, D. Kapustin, M. Fudim, M. Kazatsker, Y. Levy, A. Levy, I. Kleiner, J.M. Weinstein, G. Panjrath, A. Roguin, S. Meisel (Hadera and Beer Sheva, IL; Toronto, CA; Durham and Washington, US)</p> | 198 |
| 16:42 | <p>Improving diuresis and dropsy with elamipretide in advanced heart failure (IDDEA-HF); a multi-centre, double-blind, placebo-controlled trial</p> <p>J.G.F. Cleland, J. Carr, P. Pellicori, B. Merkely, A. Voors, M. Kruk, T. Kostic, N. Pontaga, D. Raev, L. Almenar, M. Robertson, I. Ford, J.J. McMurray, B. Pitt (Glasgow, GB; Newton and Ann Arbor, US; Budapest, HU; Groningen, NL; Warsaw, PL; Nis, RS; Daugavpils, LV; Sofia, BG; Valencia, ES)</p> | 199 |
| 16:48 | <p>BIS equation of glomerular filtration rate in the prediction of hospitalization and mortality in older patients with heart failure</p> <p>M.I. Pires, H. Antunes, M.L. Goncalves, J.M. Santos, J.G. Goncalves Pereira, J. Correia, J. Costa Cabral, I. Almeida (Viseu, PT)</p> | 200 |
| 16:54 | <p>Incident hyperkalemia and RAAS-inhibition during an acute heart failure hospitalization</p> <p>J.C. Beusekamp, J. Tromp, A.A. Voors, P. Van Der Meer (Groningen, NL)</p> | 201 |
| 17:00 | <p>Concurrent Initiation of Intra-aortic Balloon Pumping with Extracorporeal Membrane Oxygenation Reduced In-hospital Mortality in Postcardiotomy Cardiogenic Shock</p> <p>K. Chen, H.W. Tang, J.F. Hou, S.S. Hu (Beijing, CN)</p> | 202 |
| 17:06 | <p>Cardiac autonomic nerves stimulation improves hemodynamics and clinical status in advanced heart failure patients</p> <p>M.P.C. Cuchiara, C.M. Marin Y Kall, J.B. Boehmer, M.C. Cowie, A.M. Mebazaa, T.D. Diaz (Durham, Miami and Hershey, US; London, GB; Paris, FR; Panama City, PA)</p> | 203 |
| 17:12 | <p>Lung ultrasound in acute heart failure: prevalence of pulmonary congestion and associated short- and long-term outcomes</p> <p>E. Platz, R. Campbell, B. Claggett, E. Lewis, J. Groarke, K. Docherty, M. Lee, A. Merz, M. Silverman, V. Swamy, M. Proplesch, J. Rivero, S. Solomon, J. McMurray (Boston, US; Glasgow, GB)</p> | 204 |
| 17:18 | <p>The value of discharge bio-ADM as a marker of residual congestion, discharge loop diuretic doses and clinical outcomes in patients with acute heart failure</p> <p>P. Pandhi, J.E. Emmens, J. Struck, J.M. Ter Maaten, A.A. Voors (Groningen, NL; Henningsdorf, DE)</p> | 205 |
| 17:24 | <p>Trends in outcomes in patients with acute ischemic heart failure: a report from Swedish Angiography and Angioplasty Registry</p> <p>B. Redfors, S. Volz, O. Angeras, D. Ioanes, J. Odenstedt, S. Koul, I. Haraldsson, C. Ljungman, C. Dworeck, O. Frobert, S. James, A. Ulvenstam, T. Jernberg, D. Erlinge, E. Omerovic (Gothenburg, Lund, Uppsala, Ostersund and Stockholm, SE)</p> | 206 |

Saturday 25 May 2019

Afternoon Sessions

SATURDAY

16:30 - 17:30

SYMPOSIUM

LAMBRAKIS

Peripartum cardiomyopathy: new clinical insights

Chairperson(s): A. Frogoudaki (Athens, GR); C.E. Angermann (Wurzburg, DE)
World Congress on Acute Heart Failure

16:30	Lessons learned from registries. K. Sliwa-Hahnle (Cape Town, ZA)	207
16:45	Pathophysiology and molecular mechanisms. B. Bozkurt (Houston, US)	208
17:00	Clinical phenotype and outcomes. M. Petrie (Glasgow, GB)	209
17:15	Subsequent pregnancies and treatment options. J. Bauersachs (Hannover, DE)	210

16:30 - 17:30

GUIDELINES IN DAILY PRACTICE

IONIAN SEA

Guidelines in Daily Practice II: heart failure and hypertension

Chairperson(s): M.F. Piepoli (Piacenza, IT); Y. Cavusoglu (Eskisehir, TR)



16:30	A case of a patient with heart failure and hypertension. M. Bonios (Athens, GR)	211
16:45	What do the guidelines say? T. McDonagh (London, GB)	212
16:55	How to implement the guidelines. C. Yancy (Chicago, US)	213
17:05	Panel Discussion. C. Grassos (Athens, GR)	214
17:20	Conclusion and take home message. M.F. Piepoli (Piacenza, IT)	215

16:30 - 17:30

SYMPOSIUM

MITROPOULOS

HFpEF: current diagnosis and management

Chairperson(s): R. De Boer (Groningen, NL); W. Paulus (Amsterdam, NL)

16:30	Definition and diagnosis. The new HFA algorithm. B. Pieske (Berlin, DE)	216
16:42	Co-morbidities in HFpEF. F. Triposkiadis (Larissa, GR)	217
16:54	Pathophysiology. M. Senni (Bergamo, IT)	218
17:06	Treatment challenges in HFpEF. S. Solomon (Boston, US)	219
17:18	Ongoing clinical trials in HFPEF. J. Butler (Atlanta, US)	220

Saturday 25 May 2019

Afternoon Sessions

16:30 - 17:30 SYMPOSIUM SKALKOTAS

How to manage psychosocial and CNS disorders in Heart Failure



LOCAL
TRACK

Chairperson(s): G.K. Tsivgoulis (Athens, GR); T. Damy (Creteil, FR)

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	A. Xanthopoulos (Athens, GR)	
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17:06	Exercise intolerance/Fatigue	224
	C. Davos (Athens, GR)	
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	G. Giannopoulos (Marousi, GR)	

16:30 - 17:30 SYMPOSIUM AEGEAN SEA

Diabetes and heart failure

Chairperson(s): P. Seferovic (Belgrade, RS); C. Maack (Wuerzburg, DE)

Basic Science - Translational

16:30	Sugar is good for the heart!	226
	J. Backs (Heidelberg, DE)	
16:45	Diabetic mouse model to study diabetic cardiomyopathy.	227
	C. Maack (Wuerzburg, DE)	
17:00	SGLT-2 inhibitors and cardiac metabolism.	228
	F. Cosentino (Stockholm, SE)	
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	G.M.C. Rosano (London, GB)	

SATURDAY

Saturday 25 May 2019

Afternoon Sessions

17:45 - 19:30

SPECIAL EVENT

TRIANTI

Inaugural Session



SPECIAL
SESSION

Chairpersons: P. Seferovic (RS), A. Coats (UK), G. Filippatos (GR)

17:45 - 17:50

Welcome from the President of the HFA

P. Seferovic (RS)

17:50 - 17:55

Welcome to Heart Failure 2019 & World Congress on Acute Heart Failure

G. Filippatos (GR)

17:55 - 18:00

Welcome from the President of the ESC

B. Casadei (UK)

18:05 - 18:10

The HFA Philip Poole Wilson lecture Introduction of M. Jessup

Andrew Coats (UK)

18:10 - 18:25

HFA Philip Poole Wilson lecture: Heart Failure Guidelines: what is the alpha and what is the omega?

M. Jessup (USA)

18:25 - 18:30

The HFA Eugene Braunwald lecture Introduction of M. Yacoub

To be announced

18:30 - 18:45

The HFA Eugene Braunwald lecture: lecture title to be announced

M. Yacoub (UK)

18:50 - 19:00

Heart Failure Specialists of Tomorrow Awards

E. Jankowska (PL)

19:00 - 19:05

Opening Address

P. Seferovic (RS)

SATURDAY

Heart Failure 2019

Saturday Posters

SATURDAY



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Posters Sessions

08:30 - 17:30

POSTER SESSION 1

POSTER AREA

SATURDAY

ATRIAL FIBRILLATION

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- Decreased left atrial reservoir function can predict new onset atrial fibrillation in patients with acute heart failure** P233
J.H. Park, J.J. Park, J.H. Lee, J.B. Park, G.Y. Cho (Daejeon, Seongnam, Cheongju and Seoul, KR)
- Impact of obesity and age on left atrial function in patients with paroxysmal atrial fibrillation undergoing catheter ablation** P234
A. Katbeh, T. De Potter, P. Geelen, G. Di Gioia, E. Stefanidis, Z. Balogh, K. Iliodromitis, E. Barbató, M. Vanderheyden, G. Van Camp, M. Penicka (Aalst, BE)
- Outcomes, predictors and treatment of intraatrial reentrant tachycardias in adult with congenital heart disease** P235
E. Cambroner Cortinas, P. Moratalla-Haro, A.N.A. Gonzalez-Garcia, P. Avila-Alonso, M. Bret-Zurita, J. Ruiz-Cantador, N. Rivero-Jimenez, R. Peinado-Peinado, J.M. Oliver-Ruiz (London, GB; Albacete and Madrid, ES)
- Sex differences in the effects of class III antiarrhythmic drugs on left ventriculoatrial remodeling in atrial fibrillation patients with diastolic dysfunction** P236
E. Kokhan, G. Kiyakbaev, A. Shavarov, Z.H. Kobalava (Moscow, RU)
- Impact of gender on the relation between heart rate and left atrial remodeling in patients with recurrent atrial fibrillation and preserved ejection fraction** P237
E. Kokhan, G. Kiyakbaev, A. Shavarov, Z.H. Kobalava (Moscow, RU)
- Immediate recovery of atrial mechanical function after electrical cardioversion in patients with persistent atrial fibrillation is predictive of maintenance of sinus rhythm** P238
D.G. Park, W.-W. Seo, S.-E. Kim, J.-H. Lee, K.-R. Han, D.-J. Oh (Seoul, KR)
- Left atrial enlargement predicts 1-year mortality in patients with atrial fibrillation and heart failure** P239
A. Samaras, G. Fotos, G. Dividis, D. Vasdeki, E. Paschou, I. Goulas, A. Kartas, E. Forozidou, V. Tsoukra, H. Karvounis, A. Tzikas, G. Giannakoulas (Thessaloniki, GR)
- Sinus rhythm restore in patients with atrial fibrillation and heart failure** P240
G. Dussekeyeva, R.R. Rekvava, A.K. Abdymomunov (Almaty, KZ)
- Low albumin level is one of the strongest predictors for cardiovascular mortality in reduced ejection fraction heart failure patients with atrial fibrillation in both genders** P241
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Posters Sessions

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Posters Sessions

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BASIC SCIENCE - METABOLISM

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Jean-Luc Balligand (Brussels, BE)	
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N. Pianca, F. Pontis, A. Aharonov, C. Bongiovanni, M. Mazzeschi, M. Lauriola, E. Tzahor, G.D.uva (Milan and Bologna, IT; Rehovot, IL)	
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K. Tsilafakis, D. Vlachakis, I. Kostavasili, S. Kossida, M. Mavroidis (Athens, GR; Montpellier, FR)	
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Posters Sessions

Parathyroid hormone causes endothelial dysfunction by inducing mitochondrial ROS and specific oxidative signal transduction modifications P624
 J. Gambardella, M. De Rosa, D. Sorriento, N. Prevele, A. Fiordelisi, M. Ciccarelli, B. Trimarco, N. De Luca, G. Iaccarino (Naples and Salerno, IT)

BASIC SCIENCE - HFPEF AND PULMONARY HYPERTENSION

Basic Science - HFPEF and Pulmonary Hypertension - Poster Discussant - 10:00-11:00. P625
 Michele Senni (Bergamo, IT)

Increasing the intensity of preconditioning training reduces the systolic right ventricle pressure in the heart of rats with pulmonary hypertension P626
 N. Medvedeva, N. Pankova, M. Artemieva (Moscow, RU)

Protective effects of soluble ubiquinol in monocrotaline model of pulmonary hypertension in rats P627
 O. Medvedev, S. Abdullaev, T. Kuropatkina, M. Artemieva, N. Medvedeva (Moscow, RU)

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J. Tsoporis, K. Teichert-Kuliszewska, J.F. Desjardins, S. Izhar, T.G. Parker (Toronto, CA) P629

Impact of sympathectomy upon myocardium P629
 F. Pessoa, M.R. Jordao, K.C.B. Fonseca, F. Zanoni, V.M.C. Salemi, O.N. Ribeiro, L.E. Souza, F. Fernandes, M.C. Irigoyen, L.F.P. Moreira, C. Mady, F.J.A. Ramires (Sao Paulo, BR)

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 J. Santos, G. Pereira, H. Antunes, L. Abreu, I. Pires, L. Goncalves, I. Almeida, E. Correia (Viseu, PT)

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A. Schiopu, G. Marinkovic, L. Decamp, L. Winkler, R. Mares, I.A. Szabo, I. Goncalves, I. Nilsson, S. Jovinge (Lund and Malmo, SE; Grand Rapids, US; Tirgu-Mures, RO)

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V. Tsareva, N. Novitskii, K. Sundukova (Smolensk and Kaluga, RU)

Effects of early vs. late initiated pressure unloading on myocardial reverse remodeling and recovery of cardiac dysfunction in a rat model of left ventricular hypertrophy induced by pressure overload P633

T. Radovits, M. Ruppert, S. Korkmaz-Icoz, S. Loganathan, A. Olah, A.A. Sayour, B.A. Barta, C. Karime, G. Szabo, B. Merkely (Budapest, HU; Heidelberg, DE)

Dapagliflozin improves diastolic performance in an animal model of heart failure with preserved ejection fraction P634

D. Cappetta, K. Urbanek, L.P. Ciuffreda, A. Cozzolino, A. Micciche', R. Coppini, L. Berrino, A. De Angelis (Naples and Florence, IT)

Cholesterol-lowering gene therapy prevents HFPEF in obese type 2 diabetic mice P635
 J.P. Aboumsallem, I. Muthuramu, M. Mishra, B. De Geest (Leuven, BE)

Reconstituted HDL reverses pathological remodeling and cardiac dysfunction in a murine model of HFPEF associated with hypertension P636

M. Mishra, I. Muthuramu, J.P. Aboumsallem, H. Kempen, B. De Geest (Leuven, BE; Zürich, CH)

Plasma proteome analysis of patients with heart failure identifies HFmEF with unimproved EF as an intermediate state between HFPEF and HFrEF, HFmEF with improved EF as a distinct biological state P637

L. Adamo, J. Yu, R. Head, D.L. Mann (St. Louis, US)



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Sunday 26 May 2019

Morning Sessions

08:30 - 10:00

YOUNG INVESTIGATOR AWARD ABSTRACTS

AGORA 2

Young Investigator Award - Clinical



AWARD
SESSION

Chairperson(s): M. Jessup (Hingham, US); M. Komajda (Paris, FR)
Judge(s): D. Fitzsimons (Belfast, GB); J. Bax (Leiden, NL); C. Tsioufis (Athens, GR)

- | | | |
|-------|--|-----|
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| 08:45 | Donor-recipient size-mismatching by predicted heart mass and survival after heart transplantation. | 639 |
| | C. Cheshire, N. Nerlekar, A.C. Kydd, Y. Abu-Omar, P. Catarino, A.J. Brown, J. Parameshwar, S. Pettit (Cambridge, GB; Melbourne, AU) | |
| 09:00 | Heart failure from cardiac ATTR-amyloidosis is a highly malignant disease | 640 |
| | A. Kaser, F. Kocher, A. Bair, E. Vikoler, S. Dengler, R. Bernardi, M. Klassnitz, J. Doerler, M.M. Zaruba, C. Mussner-Seeber, G. Poelzl (Innsbruck, AT) | |
| 09:15 | Effect of SGLT2 inhibitor on cardiac function in diabetic patients with or without heart failure: an echocardiographic study | 641 |
| | I.C. Hwang, G.Y. Cho, Y.E. Yoon, J.J. Park (Seongnam, KR) | |
| 09:30 | Splanchnic nerve blockade in chronic heart failure (Splanchnic HF-2) | 642 |
| | M. Fudim, R.L. Boortz-Marx, A. Ganesh, A.D. Devore, C. Patel, J.G. Rogers, A. Coburn, B. Coyne, C. Green, G.M. Felker, S. Russell, S. Jones, A.F. Hernandez, M.R. Patel (Durham, US) | |
| 09:45 | cmR Pulmonary transit time has additional prognostic value over cMR-RVEF and estimated systolic pulmonary artery pressure in predicting outcomes in Hf-rEF | 643 |
| | L. Houard, H. Langet, M.F. Rousseau, J.L. Vanoverschelde, A.C. Pouleur, B.L. Gerber (Brussels, BE; Paris, FR) | |

SUNDAY

08:30 - 10:00

SPECIAL SESSION

TRIANTI

Late breaking trial II - Chronic heart failure



SPECIAL
SESSION

Chairperson(s): G.M.C. Rosano (London, GB); M. Metra (Brescia, IT)

08:30 - 10:00

SYMPOSIUM

LAMBRAKIS

Emerging treatment options in HFpEF

Chairperson(s): C.S. Lam (Singapore, SG); K. Swedberg (Goteborg, SE)

- | | | |
|-------|--|-----|
| 08:30 | Mineralocorticoid receptor antagonist. | 650 |
| | L. Lund (Stockholm, SE) | |
| 08:45 | Sacubitril/Valsartan. | 651 |
| | S. Solomon (Boston, US) | |
| 09:00 | sGC stimulators. | 652 |
| | B. Pieske (Berlin, DE) | |
| 09:15 | Interatrial shunt | 653 |
| | W. Abraham (Columbus, US) | |
| 09:30 | SGLT-2 inhibitors. | 654 |
| | P. Seferovic (Belgrade, RS) | |
| 09:45 | Intravenous iron. | 655 |
| | S. Von Haehling (Berlin, DE) | |

Sunday 26 May 2019

Morning Sessions

SUNDAY

08:30 - 10:00

CLINICAL CASES

IONIAN SEA

Clinical dilemmas in the treatment of comorbidities in heart failure



MOBILE APP
SESSION

Chairperson(s): T. McDonagh (London, GB); A. Voors (Groningen, NL)

08:30	Atrial fibrillation. D. Atar (Oslo, NO)	656
08:48	Diabetes and metabolic disorders. J. Seferovic (Cambridge, US)	657
09:06	Chronic pulmonary disease. M. Lainscak (Murska Sobota, SI)	658
09:24	Liver and gut dysfunction. M. Nikolaou (Athens, GR)	659
09:42	Cancer. M. Anker (Berlin, DE)	660

08:30 - 10:00

SYMPOSIUM

MITROPOULOS

Functional mitral regurgitation: the road ahead.

Chairperson(s): A. Coats (Coventry, GB); S. Anker (Berlin, DE)

08:30	Transcatheter mitral interventions: indications and controversies. P. Ponikowski (Wroclaw, PL)	661
08:45	MITRA-FR trial: facts and perspectives. N. Mewton (Bron, FR)	662
09:00	What can we learn from COAPT trial? J. Lindenfeld (Nashville, US)	663
09:15	Therapeutic synergy between drugs, devices and interventions. F. Ruschitzka (Zurich, CH)	665
09:30	Panel discussion: the road ahead.	666

08:30 - 10:00

SYMPOSIUM

SKALKOTAS

Valve disease in Heart Failure patients



LOCAL
TRACK

Chairperson(s): J.A. Goudevenos (Ioannina, GR); P. Nihoyannopoulos (London, GB)

08:30	Mitral insufficiency. Who is the right patient to send for intervention? A. Patrianakos (Heraklion, GR)	667
08:52	Mitral insufficiency. When too late to intervene? F.J. Pinto (Lisbon, PT)	668
09:15	Low flow aortic stenosis in heart failure. How to interpret E. Vavouranakis (Anoixi, GR)	669
09:37	Tricuspid regurgitation. Is there any place for intervention? K. Spargias (Athens, GR)	670

Sunday 26 May 2019

Morning Sessions

08:30 - 10:00 SYMPOSIUM AEGEAN SEA

Myocarditis: a multi-facet disease.

Chairperson(s): G. Filippatos (Athens, GR); D. Carnevale (Pozzilli (Is), IT)

Basic Science - Translational

08:30	Clinics of myocarditis. L. Cooper (Jacksonville, US)	671
08:48	Basic immune mechanisms in myocarditis. F. Marelli-Berg (London, GB)	672
09:06	Imaging of myocarditis. R. Manka (Zurich, CH)	673
09:24	Myocarditis in hypertension and end-organ damage. T. Guzik (Glasgow, GB)	674
09:42	Panel discussion. H. Sager (Munich, DE)	

10:00 - 11:00 CLINICAL CASE POSTERS MODERATED POSTER AREA

Clinical Case Corner 2 - A story of success. Recovering in heart failure

Chairperson(s): E. Omerovic (Gothenburg, SE); G. Vergaro (Pisa, IT)

10:00	Recovery of heart failure due to severe malnutrition and marked electrolyte abnormalities. E. Pereyra, R. Bascompte-Claret, F. Worner-Diz, P. Pastor-Pueyo, A. Aldoma-Balasch, A. Bosch-Gaya, M. Zielonka, L. Matute-Blanco, I. Calaf-Vall, N. Pueyo-Balsells (Lleida, ES)	676
10:06	Carbon monoxide induced cardiomyopathy: a rare cause of Takotsubo syndrome I. Michelis, K. Tsitlakidis, C. Tsakliadou, A. Angelopoulos, P. Papanikolaou, N. Kouvelas (Athens, GR)	677
10:12	Bilateral pheochromocytoma presenting with inverted takotsubo cardiomyopathy and cardiogenic shock B. Faria, J. Portugues, R. Roncon, R. Pimentel, O. Azevedo, M. Oliveira, P. Hafe, G. Dias, F. Cardoso, S. Ribeiro, A. Lourenco (Guimaraes and Porto, PT)	678
10:18	I am hurt, but I will be okay- An unusual case of reversible heart failure K.L. Tan, A.A. Nuruddin (Kuala Lumpur, MY)	679
10:24	A tricky case of rapid ejection fraction improvement in patient with preeclampsia and peripartum cardiomyopathy complicated by subsequent heart failure readmissions S. Bondari, A. Soloveva, M. Teterina, L. Babaeva, I. Meray, A. Safarova, Z. Kobalava (Moscow, RU)	680
10:30	Atypical HUS associated cardiomyopathy and its recovery on warfarin in a hemodialysis patient M. Poltavskaya, N. Kozlovskaya, E. Gilarova (Moscow, RU)	681
10:36	The clinical case of successful treatment of heart failure due to tachycardia-induced cardiomyopathy in a patient with paroxysmal atrial flutter. M.R. Atabegashvili, D.U. Shchekochikhin, M.U. Gylarov, K.V. Razumov, G.A. Gromiko, E.S. Pershina (Moscow, RU)	682
10:42	Myocardial iron repletion and changes in left ventricular function M. Soler Costa, I. Cardells, G. Minana, M. Amiguet, J. Gonzalez, E. Valero, E. Santas, M.P. Lopez-Lereu, J.V. Monmeneu, R. De La Espriella, J. Nunez (Valencia, ES)	683
10:48	Case report: Role of parenteral nutrition in reversing cardiomyopathy due to malnutrition in intractable Crohn's disease Y.M. Mansour, M.K. Khan, J.H. Hamed (Sydney, AU; Abu Dhabi, AE)	684
10:54	Pheochromocytoma as cause of heart failure with recovered ejection fraction. C. Gallego, C.I. Saldarriaga, J.D. Uribe, L.A. Fajardo, L.J. Tamayo, J.D. Martinez, A. Agudelo (Medellin, CO)	685

SUNDAY

Morning Sessions

10:00 - 11:00

MODERATED POSTERS

MODERATED POSTER AREA

Moderated Poster Session - Chronic heart failure

Chairperson(s): O. Chioncel (Bucuresti, RO); K. Sliwa-Hahnle (Cape Town, ZA)

10:00	<p>Effects of blood pressure lowering drugs in heart failure: a systematic review and meta-analysis of randomised controlled trials</p> <p>A.C. Pinho-Gomes, L. Azevedo, Z. Bidel, M. Nazarzadeh, D. Canoy, E. Copland, A. Salam, A. Rodgers, D. Kotecha, K. Rahimi (Oxford and Birmingham, GB; Porto, PT; Telangana, IN; Sidney, AU)</p>	686
10:06	<p>Association between heart failure medication at discharge and heart failure readmission</p> <p>W.J. Kruik-Kolloffel, J. Van Der Palen, C.J.M. Doggen, H.J. Kruik, E.M. Heintjes, K.L.L. Movig, G.C.M. Linszen (Hardenberg, Enschede, Hengelo and Utrecht, NL)</p>	687
10:12	<p>Association of loop diuretics use and dose with outcomes in outpatients with heart failure: a systematic review and meta-analysis involving 48,628 patients</p> <p>C. Kapelios, M. Bonou, K. Malliaras, S. Vakrou, E. Athanasiadi, A. Athanasiou, C. Masoura, J. Barbetseas (Athens, GR)</p>	688
10:18	<p>Combined effects of growth hormone and testosterone replacement treatment in heart failure</p> <p>A. Salzano, A.M. Marra, M. Arcopinto, R.D.assante, D. Pasquali, G. Rengo, T. Suzuki, E. Bossone, A. Cittadini (Leicester, GB; Naples and Caserta, IT)</p>	689
10:24	<p>FE- IRON (First Ever Irish heart failure nurses group Review On implementation of ESC iron guideline in Ireland)</p> <p>N. Caples, L.O.connor, C. Blaine, C. McNally, R. McClure, S. Murray, K. Mannix, J. Walsh, C. Farrell, E. Kavanagh, C. Howley, M. Lehane, R. Corrigan, C. Murphy, M. Carey (Waterford, Dublin, Cavan, Clare, Limerick, Nenagh, Donegal, Cork, Monaghan and Wexford, IE)</p>	690
10:30	<p>Effect of ferric carboxymaltose on LVEF as assessed by cardiac MRI in patients with chronic heart failure and iron deficiency: a randomized, double-blinded, placebo-controlled, dual-center trial</p> <p>M. Karakas (Hamburg, DE)</p>	691
10:36	<p>Sacubitril/valsartan reduces ventricular arrhythmias in parallel with left ventricular reverse remodeling in HFrEF.</p> <p>P. Martens, M. Dupont, W. Mullens (Genk, BE)</p>	692
10:42	<p>Security of vacubitril-valsartan in Naive patients. Subanalysis of SAVE-RLife study</p> <p>M. Sanmamed Giron, M. Galvan Ruiz, M. Singh, M. Groba Marco, M. Lopez Perez, J. Medina Suarez, D. Rua-Figueroa Erausquin, P. Pena Ortega, A. Cardenes Leon, V. Quevedo Nelson, H. Mendoza Lemes, J.J. Garcia Salvador, P. Martin Lorenzo, E. Caballero Dorta, A. Garcia Quintana (Las Palmas De Gran Canaria, ES)</p>	693
10:48	<p>In-hospital initiation of sacubitril/valsartan in stabilized patients with heart failure and reduced ejection fraction naive to renin-angiotensin system blocker: An analysis of the TRANSITION study</p> <p>M. Senni, R. Wachter, K. Witte, E. Straburzynska-Migaj, J. Belohlavek, C. Fonseca, C. Mueller, E. Lonn, A. Noe, A. Chakrabarti, H. Schwende, D. Butylin, D. Pascual-Figal (Bergamo, IT; Leipzig, DE; Leeds, GB; Poznan, PL; Prague, CZ; Lisbon, PT; Basel, CH; Hamilton, CA; Hyderabad, IN)</p>	694
10:54	<p>Empaglifozin in real-world chronic heart failure</p> <p>B. Rocha, G. Cunha, R. Ventura Gomes, R. Morais, L. Fernandes, L. Campos, I. Araujo, C. Fonseca (Lisbon and Vila Franca de Xira, PT)</p>	695

Sunday 26 May 2019

Morning Sessions

10:00 - 11:00 HOW-TO SESSION VIRTUAL CASE AREA

Virtual Case 2 - A patient with cardiogenic shock

Chairperson(s): A.V. Nossikoff (Sofia, BG); S. Stoerk (Wuerzburg, DE)

A 52-year old man suffering from aortic aneurysm rupture was transferred immediately to a specialist heart and lung centre, for an emergency surgical repair of ruptured aneurysm

10:15 - 10:45 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 2

Management of hyperkalaemia in patients with heart failure - A multidisciplinary approach Organised by MedEd Global Solutions & University of Lorraine, supported with an educational grant from Vifor Pharma

Chairperson(s): L. Lund (Stockholm, SE)

Recognise the importance of hyperkalaemia as a barrier to optimal renin-angiotensin-aldosterone system inhibitor therapy in patients with heart failure.

Evaluate the benefits and challenges of hyperkalaemia management in patients with heart failure.

Discuss how to implement a multidisciplinary approach to improve the outcomes heart failure patients with hyperkalaemia.

- | | | |
|-------|--|-----|
| 10:15 | Welcome and introduction - Management of hyperkalaemia in patients with heart failure - A multidisciplinary approach.
L. Lund (Stockholm, SE) | 696 |
| 10:18 | Management of hyperkalaemia in patients with heart failure - A multidisciplinary approach.
M. Boehm (Homburg, DE) | 697 |
| 10:38 | Questions and answers - Management of hyperkalaemia in patients with heart failure - A multidisciplinary approach.
L. Lund (Stockholm, SE) | 698 |

10:15 - 10:45 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 1

Optimize heart failure care program: key learnings from countries Sponsored by Servier

Chairperson(s): M. Cowie (London, GB); Y. Lopatin (Volgograd, RU)

- To underline the need to optimize the management and the treatment of heart failure patients
- To share with the participants the main outcomes of the implementation of optimize heart failure care program in countries

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|-------|--|-----|
| 10:15 | Introduction - Optimize heart failure care program: key learnings from countries.
M. Cowie (London, GB) | 699 |
| 10:20 | Improving the quality of chronic heart failure treatment using an organized multidisciplinary program.
R. Mourilhe Rocha (Rio De Janeiro, BR) | 700 |
| 10:30 | Optimize heart failure care program in Bulgaria: data on morbidity, mortality, and quality of life.
Y.T. Yotov (Varna, BG); L. Mircheva (Varna, BG) | 701 |
| 10:40 | Conclusion - Optimize heart failure care program: key learnings from countries.
Y. Lopatin (Volgograd, RU) | 702 |

SUNDAY

Sunday 26 May 2019

Morning Sessions

11:00 - 12:30

YOUNG INVESTIGATOR AWARD ABSTRACTS

AGORA 2

Nursing Investigator Award



AWARD SESSION

Chairperson(s): L. Hill (Co.Antrim, GB); T. Hansen (Copenhagen, DK)
Judge(s): I. Uchmanowicz (Wroclaw, PL); J. Boyne (Maastricht, NL)

- | | | |
|-------|--|-----|
| 11:00 | Development and feasibility testing of an avatar-based education application for improving heart failure patients' knowledge and self-care behaviours | 703 |
| | P. Wonggom, H. Du, C. Burdeniuk, S. Kelman, P. Nolan, T. Barry, R.A. Clark (Adelaide, AU) | |
| 11:15 | Unexpected loss in advanced heart failure | 704 |
| | L. Kitko, J.E. Hupcey, J.G. Gilchrist (University Park and Durham, US) | |
| 11:30 | Motivations and barriers towards physical activities in heart failure patients with focus on age differences | 705 |
| | L. Klompstra, T. Jaarsma, A. Stromberg, M.H.L. Van Der Wal (Linkoping, SE; Groningen, NL) | |
| 11:45 | The effect of multiple interventions by a specialist nurse on the heart failure patients knowledge in self-care management | 706 |
| | A. Protopapas, F. Kalogirou, N. Vouri, A. Malaktou, L. Paikousis, V. Barberis, E. Lambrinou (Limassol, Famagusta, Larnaca and Nicosia, CY; Cambridge, GB) | |
| 12:00 | Diuretic adjustment algorithm and nonpharmacologic management in patients with heart failure reduce readmission: a randomized clinical trial | 707 |
| | E.R. Rabelo-Silva, M.K.E.F. Feijo, E.B. Ferro, K.B. Ruschel, G.B. Aliti, A. Biolo, L.E.P. Rohde (Porto Alegre, BR) | |
| 12:15 | Validation of the ELAN HF model and selfcare behaviour in patients with acute decompensated heartfailure. A single centre cohort study in the Netherlands. | 708 |
| | T.A.M. Vinck, R. Deneer, C.C.A.G. Verstappen, W.E. Kok, K. Salah, V. Scharnhorst, L.C. Otterspoor (Eindhoven, Amsterdam and Nijmegen, NL) | |

11:00 - 12:30

DEBATE SESSION

TRIANTI

The Grand Debate 2: Challenges in heart failure management: mitral regurgitation and atrial fibrillation

Chairperson(s): G. Filippatos (Athens, GR); F. Ruschitzka (Zurich, CH)

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|-------|---|-----|
| 11:00 | Positioning of the topic. | 709 |
| | G. Filippatos (Athens, GR) | |
| 11:03 | All patients with functional mitral regurgitation should receive transcatheter mitral valve repair: PRO | 710 |
| 11:15 | All patients with functional mitral regurgitation should receive transcatheter mitral valve repair: CONTRA. | 711 |
| | N. Newton (Bron, FR) | |
| 11:27 | All patients with functional mitral regurgitation should receive transcatheter mitral valve repair: Rebuttal. | 712 |
| | G. Stone (New York, US); N. Newton (Bron, FR) | |
| 11:33 | Panel discussion. | 713 |
| 11:42 | Conclusion and take home message. | 714 |
| | G. Filippatos (Athens, GR) | |
| 11:45 | Positioning of the topic. | 715 |
| | F. Ruschitzka (Zurich, CH) | |
| 11:48 | All patients with heart failure and Atrial fibrillation should receive catheter ablation: PRO. | 716 |
| | D.L. Packer (Rochester, US) | |
| 12:00 | All patients with heart failure and Afib should receive catheter ablation: CONTRA. | 717 |
| | J. Cleland (Glasgow, GB) | |

Sunday 26 May 2019

Morning Sessions

11:00 - 12:30 DEBATE SESSION TRIANTI

12:12	Vasodilators should be used in all AHF patients with normal (preserved) blood pressure: Rebuttal	718
	D.L. Packer (Rochester, US); J. Cleland (Glasgow, GB)	
12:18	Panel discussion.	719
12:27	Conclusion and take home message.	720
	F. Ruschitzka (Zurich, CH)	

11:00 - 12:30 SPECIAL SESSION LAMBRAKIS

The year's best papers on heart failure

Chairperson(s): M. Metra (Brescia, IT); S. Anker (Berlin, DE); S. Von Haehling (Berlin, DE)



SPECIAL SESSION

11:00	Biomarkers.	721
	T. McDonagh (London, GB)	
11:22	Imaging.	722
	C.S. Lam (Singapore, SG)	
11:45	Medical treatment.	723
	P. Ponikowski (Wroclaw, PL)	
12:07	Devices.	724
	A. Coats (Coventry, GB)	

11:00 - 12:30 HOW-TO SESSION IONIAN SEA

Cardiac resynchronisation therapy: optimising device use

Chairperson(s): V.P. Vassilikos (Thessaloniki, GR); C. Linde (Stockholm, SE)

11:00	How to increase the implant rates for class I indicated patients?	725
	K. Dickstein (Stavanger, NO)	
11:22	What imaging techniques do you need?	726
	I. Ikonomidis (Athens, GR)	
11:45	Programing of the device, brady vs tachy.	727
	A. Oto (Ankara, TR)	
12:07	Optimising the post implant care.	728
	W. Mullens (Genk, BE)	

11:00 - 12:30 HOW-TO SESSION MITROPOULOS

Imaging in heart failure: all you need to know

Joint Session with the European Association of Cardiovascular Imaging (EACVI)



JOINT SESSION

Chairperson(s): B. Moura (Porto, PT); B.A. Popescu (Bucharest, RO)

11:00	Echocardiography.	729
	F.J. Pinto (Lisbon, PT)	
11:22	Cardiac magnetic resonance.	730
	C. Bucciarelli-Ducci (Bristol, GB)	
11:45	Hybrid Imaging.	731
	G. Athanasopoulos (Piraeus, GR)	
12:07	New imaging methods in heart failure: shifting paradigm.	732
	J. Celutkiene (Vilnius, LT)	

SUNDAY

Sunday 26 May 2019

Morning Sessions

11:00 - 12:30

SYMPOSIUM

SKALKOTAS

Inflammation in heart failure



LOCAL
TRACK

Chairperson(s): D. Karatzas (Athens, GR); F. Parthenakis (Heraklion, GR)

11:00	Gut microbiome and its role in heart failure	733
11:22	Rericarditis in heart failure. To treat or not? G. Lazaros (Athens, GR)	734
11:45	Imaging inflammation or measuring markersto guide therapy? C.H. Papadopoulos (Athens, GR)	735
12:07	Treatment of inflammation in heart failure M. Noutsias (Halle (Saale), DE)	736

11:00 - 12:30

SYMPOSIUM

AEGEAN SEA

Dilated cardiomyopathies: what are the mechanisms?

Chairperson(s): P. Seferovic (Belgrade, RS); B. Meder (Heidelberg, DE)

Basic Science - Translational

11:00	Genetics does it all! P. Garcia-Pavia (Madrid, ES)	737
11:22	Viruses: innocent bystanders? C. Tschoepe (Berlin, DE)	738
11:45	Genes and acquired diseases together! S. Heymans (Maastricht, NL)	739
12:07	Novel therapeutic targets.	740

11:00 - 12:30

SYMPOSIUM

AGORA 1

Patient and family engagement: compelling need for improvement

Chairperson(s): T. Jaarsma (Norrkoping, SE); E. Lambrinou (Limassol, CY)

11:00	Person-centred care in patients with heart failure: ready for prime time. I. Ekman (Goteborg, SE)	741
11:22	Patient involvement in clinical research: from design to implementation. A. Stromberg (Linkoping, SE)	742
11:45	Patient associations in heart failure: current status and perspectives. D. Fitzsimons (Belfast, GB)	743
12:07	Patients in the ESC guidelines: the emerging role. M. Lainscak (Murska Sobota, SI)	744

SUNDAY

Sunday 26 May 2019

Lunchtime Sessions

12:45 - 14:00

SATELLITE SYMPOSIUM

TRIANTI

Treatment choices to optimise benefits for heart failure patients

Sponsored by Novartis

Chairperson(s): F. Ruschitzka (Zurich, CH); J. McMurray (Glasgow, GB)

The aim of this Satellite Symposium is to discuss the pharmacological management of patients with heart failure with reduced ejection fraction in different settings.

It is anticipated that this Satellite Symposium will enhance participants' understanding of how:

- a) Heart failure, if not optimally treated, puts patients at high risk of deteriorating quality of life, re-hospitalisation and death*
- b) Optimising heart failure treatments before hospital discharge improves patient outcomes*
- c) To seize the opportunity to optimise treatment at different time points of each patient's disease phase*

12:45	Welcome and introduction - Treatment choices to optimise benefits for heart failure patients.	745
	F. Ruschitzka (Zurich, CH)	
12:48	Optimising treatment for patients in the vulnerable phase.	746
	J. Butler (Atlanta, US)	
13:06	How to achieve the optimisation we aim for.	747
	M. Senni (Bergamo, IT)	
13:24	Personalising care for heart failure patients.	748
	J. McMurray (Glasgow, GB)	
13:42	Panel discussion - Treatment choices to optimise benefits for heart failure patients.	749
	F. Ruschitzka (Zurich, CH); J. McMurray (Glasgow, GB); M. Senni (Bergamo, IT); J. Butler (Atlanta, US)	
13:57	Summary and conclusion - Treatment choices to optimise benefits for heart failure patients.	750
	J. McMurray (Glasgow, GB)	

12:45 - 14:00

SATELLITE SYMPOSIUM

LAMBRAKIS

An update on device technologies in heart failure

Sponsored by Medtronic

Chairperson(s): P. Seferovic (Belgrade, RS); W. Mullens (Genk, BE)

Discuss the disparity in care for device therapy in the different European countries and how this could be addressed.

Learn and discuss which patients benefit from device therapy for heart failure (cardiac resynchronization therapy and left ventricular assist devices) and the latest clinical results.

12:45	Introduction - An update on device technologies in heart failure.	751
	P. Seferovic (Belgrade, RS)	
12:50	Disparity in care for device therapy in Europe.	752
	K. Dickstein (Stavanger, NO)	
13:05	Cardiac Resynchronization Therapy (CRT): which patients and what are the results?	753
	C. Linde (Stockholm, SE)	
13:20	Smart device algorithms to increase CRT response: latest clinical evidence.	754
	K. Witte (Leeds, GB)	
13:35	Left ventricular assist devices: which patients and what are the results?	755
	H. Bushnaq (Rostock, DE)	
13:50	Summary and conclusions - An update on device technologies in heart failure.	756
	W. Mullens (Genk, BE)	

SUNDAY

Lunchtime Sessions

12:45 - 13:45

SATELLITE SYMPOSIUM

IONIAN SEA

Sodium-glucose co-transporter 2 inhibition and the heart: lessons from cardiovascular outcomes trials in Type 2 diabetes (EBAC Accredited)

Organised by the Sahlgrenska Academy, University of Gothenburg, Sweden, supported with an educational grant from AstraZeneca. Course Director: Professor Karl Swedberg

Chairperson(s): A. Mebazaa (Paris, FR)

This educational event aims to help delegates understand:

- The latest data from cardiovascular outcomes trials with sodium-glucose co-transporter 2 inhibitors
- How cardiovascular outcomes trial data are informing cardiovascular risk management in Type 2 diabetes
- The ongoing mechanistic and clinical studies with sodium-glucose co-transporter 2 inhibitors that are examining their potential utility in cardiovascular and renal disease outside the diabetes population

12:45	Welcome and introductions - Sodium-glucose co-transporter 2 inhibition and the heart: lessons from cardiovascular outcomes trials in Type 2 diabetes. A. Mebazaa (Paris, FR)	757
12:50	What have cardiovascular outcomes trials taught us about cardiovascular risk management? S. Wiviott (Boston, US)	758
13:05	Emerging knowledge on cardiorenal protection. S. Verma (Toronto, CA)	759
13:15	From classroom to clinic: sodium-glucose co-transporter 2 inhibitor evidence in practice. S. Verma (Toronto, CA); M. Cowie (London, GB); S. Wiviott (Boston, US); A. Mebazaa (Paris, FR)	760
13:25	What we still need to learn from sodium-glucose co-transporter 2 inhibitors to predict the future. M. Cowie (London, GB)	761
13:35	Q&A - Sodium-glucose co-transporter 2 inhibition and the heart: lessons from cardiovascular outcomes trials in Type 2 diabetes. S. Verma (Toronto, CA); M. Cowie (London, GB); S. Wiviott (Boston, US); A. Mebazaa (Paris, FR)	762

12:45 - 13:45

SATELLITE SYMPOSIUM

MITROPOULOS

Management of iron deficiency in heart failure: implementing best practices to improve patient outcomes

Organised by MedEd Global Solutions & Charité Universitätsmedizin Berlin, supported with an educational grant from Vifor Pharma

Chairperson(s): P. Ponikowski (Wroclaw, PL); G. Filippatos (Athens, GR)

Recognise the clinical impact of iron deficiency in patients with heart failure.

Evaluate the evidence base and implement best practice guidelines for the management of iron deficiency in chronic heart failure with reduced ejection fraction.

Assess knowledge gaps and review ongoing studies evaluating iron therapy in chronic heart failure with preserved ejection fraction and acute heart failure.

12:45	Welcome and introduction - Management of iron deficiency in heart failure: implementing best practices to improve patient outcomes. P. Ponikowski (Wroclaw, PL)	763
12:50	Iron deficiency in heart failure: what do we know in 2019? P. Van Der Meer (Groningen, NL)	764
13:05	Management of iron deficiency in clinical practice: implementing the guidelines. P. Ponikowski (Wroclaw, PL)	765
13:20	Addressing knowledge gaps: ongoing research on iron deficiency in chronic and acute heart failure. S. Anker (Berlin, DE)	766
13:35	Panel discussion and close - Management of iron deficiency in heart failure: implementing best practices to improve patient outcomes. G. Filippatos (Athens, GR)	767

Sunday 26 May 2019

Lunchtime Sessions

12:45 - 14:00

SATELLITE SYMPOSIUM

SKALKOTAS

Advances in heart failure management: what if you can do more for more patients?

Sponsored by Abbott

Chairperson(s): B. Assmus (Frankfurt / Main, DE); F. Gustafsson (Copenhagen, DK)

Attendees will learn about innovative approaches to improve the management of advanced heart failure. The Satellite Symposium will focus on the next level of cardiac resynchronization therapy and discuss how to manage worsening heart failure using insights gained from an implantable pulmonary artery pressure sensor. Lastly the current evidence in the optimization of Left Ventricular Assist Device (LVAD) therapy using pulmonary artery pressure monitoring will be reviewed.

12:45	Activate, the next level of cardiac resynchronization therapy: static or dynamic? M. Gwechenberger (Wien, AT)	768
13:03	Pulmonary Artery Pressure (PAP) monitoring: early insights to prevent decompensation. B. Assmus (Frankfurt / Main, DE)	769
13:23	PAP monitoring in advanced heart failure - A case study. F. Gustafsson (Copenhagen, DK)	770
13:43	Optimizing LVAD therapy in advanced heart failure by means of PAP monitoring. J.J. Brugts (Rotterdam, NL)	771

12:45 - 13:45

SATELLITE SYMPOSIUM

AEGEAN SEA

Who should receive the wearable cardioverter defibrillator? Evidence and risk stratification for prevention of sudden cardiac death

Sponsored by Zoll

Chairperson(s): C. Leclercq (Rennes, FR); L. Kober (Copenhagen, DK)

This program will focus on which patient should receive the Wearable Cardioverter Defibrillator (WCD) as well as on the evidence and risk stratification for the prevention of sudden cardiac death. Presentations will include an overview of the most important WCD data including the first randomized device trial, VEST, as well as consistent registry data of about 20.000 patients and will discuss the implications of these data in clinical practice. The faculty will also focus on the time for guideline directed medical therapy that is needed in the treatment of newly diagnosed heart failure patients and will review the impact of those patients who choose to wear the WCD.

12:45	Introduction - Who should receive the wearable cardioverter defibrillator? Evidence and risk stratification for prevention of sudden cardiac death L. Kober (Copenhagen, DK)	772
12:50	Distilling the clinical evidence behind the WCD - What have clinical trials and registries told us? C. Veltmann (Hannover, DE)	773
13:05	Taking you time in the treatment of newly diagnosed heart failure patients. J.W. Erath (Frankfurt A.M., DE)	774
13:20	The impact of the WCD for patients who choose to wear it. A. Flammer (Zurich, CH)	775
13:35	Panel discussion and summary - Who should receive the wearable cardioverter defibrillator? Evidence and risk stratification for prevention of sudden cardiac death. C. Leclercq (Rennes, FR)	776

SUNDAY

Sunday 26 May 2019

Lunchtime Sessions

12:45 - 13:45

SATELLITE SYMPOSIUM

AGORA 1

An un-nerve-ing disease: diagnosing hATTR amyloidosis beyond the heart Sponsored by Akcea Therapeutics

Chairperson(s): M.A. Dimopoulos (Athens, GR)

- *This Satellite Symposium will discuss the critical role of heart failure specialists to make a rapid and accurate diagnosis amongst more common cardiac conditions*

- *Highlight the need to identify signs and symptoms of polyneuropathy in patients with cardiac involvement*

- *Stress the urgency to initiate treatment early in mixed phenotype hATTR amyloidosis patients*

12:45	Chair welcome - An un-nerve-ing disease: diagnosing hATTR amyloidosis beyond the heart. M.A. Dimopoulos (Athens, GR)	777
12:50	All mixed up about cardiac amyloid? hATTR amyloidosis in mixed phenotype patients. P. Garcia-Pavia (Madrid, ES)	778
13:05	Everything you were too nerve-ous to ask (your neurologist) about hATTR amyloidosis. L. Obici (Pavia, IT)	779
13:20	Going above and beyond: your critical role in diagnosing mixed phenotype patients. T. Damy (Creteil, FR)	780
13:35	Questions & answers - An un-nerve-ing disease: diagnosing hATTR amyloidosis beyond the heart. M.A. Dimopoulos (Athens, GR); P. Garcia-Pavia (Madrid, ES); L. Obici (Pavia, IT); T. Damy (Creteil, FR)	781

SUNDAY

Sunday 26 May 2019

Afternoon Sessions

14:00 - 15:30

HOW-TO SESSION

AEGEAN SEA

Global position paper on endomyocardial biopsy in cardiovascular medicine
Joint Session with the Heart Failure Society of America (HFSA) and the Japanese Heart Failure Society (JHFS)



JOINT SESSION

Chairperson(s): A. Coats (Coventry, GB); M. Mehra (Boston, US); H. Tsutsui (Fukuoka, JP); G. Filippatos (Athens, GR)

14:00	Endomyocardial biopsy: indications and risk. M. Mehra (Boston, US)	782
14:18	The role of endomyocardial biopsy in clinical decision making. L. Cooper (Jacksonville, US)	783
14:36	Endomyocardial biopsy: research application and future perspectives. P. Seferovic (Belgrade, RS)	784
14:54	Mihai Gheorghiuade Lecture. R. Starling (Cleveland, US)	785
15:12	Honorary Fellowship. H. Tsutsui (Fukuoka, JP); R. Starling (Cleveland, US); C. O'Connor (Durham, US); M. Mehra (Boston, US)	786

14:15 - 15:45

YOUNG INVESTIGATOR AWARD ABSTRACTS

AGORA 2

Young Investigator Award - Basic Science and Translational Science



AWARD SESSION

Chairperson(s): S. Heymans (Maastricht, NL); A. Gonzalez Miqueo (Pamplona, ES)
Judge(s): D. Brutsaert (Kontich, BE); L. Hill (Co.Antrim, GB); M. Ledwidge (Dun Laoghaire, IE)

14:15	GRK2 regulates the endothelial responsiveness to bradykinin: role in human angioedema J. Gambardella, D. Sorriento, A. Fiordelisi, M. Bova, S. Loffredo, L. Carucci, I. Mormile, B. Trimarco, G. Iaccarino, M. Ciccarelli (Naples and Salerno, IT)	787
14:30	Empaglifozin has cardioprotective and anti-inflammatory effects in mice during doxorubicin treatment V. Quagliariello, C. Coppola, D. Rea, A. Barbieri, C. Arra, G. Botti, N. Maurea (Naples, IT)	788
14:45	Sterol metabolism is differentially regulated in human induced pluripotent stem cell-derived cardiomyocytes of peripartum cardiomyopathy patients M.F. Hoes, N. Bomer, T.V. De Jong, M. Ricke-Hoch, V. Guryev, D. Hilfiker-Kleiner, P. Van Der Meer (Groningen, NL; Hannover, DE)	789
15:00	Gut microbiota composition and interactions with diet: dysbiosis in heart failure is partly related to lower fiber intake C. Mayerhofer, M. Kummen, K. Holm, K. Broch, A. Awoyemi, B. Vestad, C. Storm-Larsen, I. Seljeflot, T. Ueland, P. Bohov, R.K. Berge, A. Svardal, L. Gullestad, J.R. Hov, M. Trosoid (Oslo and Bergen, NO)	790
15:15	Diastolic function modulation via protein kinase G-dependent Ca2(+)/calmodulin-dependent protein kinase-II phosphorylation and oxidation M. Herwig, S. Pabel, A. Kovacs, S. Ghaderi, D. Kolijn, D. Cimiotti, E. Robinson, V. Nikolaev, S. Van Linthout, C. Tschoepe, K. Jaquet, S. Heymans, S. Sossalla, N. Hamdani (Bochum, Regensburg, Hamburg and Berlin, DE; Maastricht, NL)	791
15:30	Doxorubicin-induced cardiomyopathy: gene variant TRPC6 as therapeutic target K. Bruno, A.C. Morales-Lara, Z. Anastasiadis, C. Landolfo, D. Fairweather, N. Norton (Jacksonville, US)	792

SUNDAY

Sunday 26 May 2019

Afternoon Sessions

SUNDAY

14:15 - 15:45

SYMPOSIUM

TRIANTI

Cardiogenic shock: recent advances and future perspectives

Chairperson(s): O. Chioncel (Bucuresti, RO); M. Abdelhamid (Cairo, EG)

World Congress on Acute Heart Failure

14:15	Definition and clinical phenotypes. A. Mebazaa (Paris, FR)	793
14:37	Risk stratification. V.P. Harjola (Helsinki, FI)	794
15:00	Medical therapy. J.T. Parissis (Athens, GR)	795
15:22	Interventions and mechanical circulatory support. D. Milicic (Zagreb, HR)	796

14:15 - 15:45

SYMPOSIUM

LAMBRAKIS

Assessment and treatment of congestion

Joint Session with Inter-American Society of Cardiology



JOINT SESSION

Chairperson(s): V. Mitrovic (Bad Nauheim, DE); G. Giannakoulas (Thessaloniki, GR)

World Congress on Acute Heart Failure

14:15	Clinical assessment and in-hospital monitoring. T. Hasin (Jerusalem, IL)	797
14:33	Treatment options for decongestion. J.E. Gomez (Cali, CO)	798
14:51	Biomarkers to evaluate congestion and response to therapy. A. Maisel (Solana Beach, US)	799
15:09	Optimal endpoints for decongestion. E. Fairman (Ciudad Autonoma De Buenos Aires, AR)	800
15:27	Diuretic resistance. W. Mullens (Genk, BE)	801

14:15 - 15:45

GUIDELINES IN DAILY PRACTICE

IONIAN SEA

Guidelines in Daily Practice III: Myocardial revascularisation in heart failure



MOBILE APP SESSION

Chairperson(s): S. Windecker (Bern, CH); I.G. Kanakakis (Athens, GR)

14:15	A case of a patient with myocardial revascularisation and heart failure. I. Milinkovic (Belgrade, RS)	802
14:40	What do the guidelines say? M. Sousa Uva (Carnaxide, PT)	803
14:55	How to implement the guidelines. M. Petrie (Glasgow, GB)	804
15:10	Panel discussion. V. Voudris (Athens, GR)	805
15:30	Conclusion and take home message. S. Windecker (Bern, CH)	806

Sunday 26 May 2019

Afternoon Sessions

14:15 - 15:45 SYMPOSIUM MITROPOULOS

Atrial fibrillation and heart failure Joint Session with the European Heart Rhythm Association (EHRA)



Chairperson(s): C. Leclercq (Rennes, FR)

14:15	A crosstalk between atrial fibrillation and heart failure. C. Leclercq (Rennes, FR)	807
14:37	Medical therapy.	808
15:00	Catheter ablation. J. Nielsen (Aarhus N, DK)	809
15:22	A novel approach to atrial fibrillation: the HFA algorithm. F. Ruschitzka (Zurich, CH)	810

14:15 - 15:45 SYMPOSIUM SKALKOTAS

HFmEF: clinical and therapeutic dilemmas

Chairperson(s): J. Bauersachs (Hannover, DE); J. Celutkienė (Vilnius, LT)

14:15	Definition and diagnosis. M. Boehm (Homburg, DE)	811
14:37	Clinical trajectories and risk assessment. L. Lund (Stockholm, SE)	812
15:00	Data from clinical trials. C.S. Lam (Singapore, SG)	813
15:22	Management. M. Metra (Brescia, IT)	814

14:15 - 15:45 SYMPOSIUM AGORA 1

The future of big data strategies in heart failure

Chairperson(s): P. Vardas (Athens, GR); R. De Boer (Groningen, NL)

14:15	Medical devices and big data. I. Pina (Detroit, US)	815
14:33	New medical devices and applied data analytics. M. Mamas (Stoke On Trent, GB)	816
14:51	Artificial intelligence for heart failure care. F. Koehler (Berlin, DE)	817
15:09	Using large-scale real-world data to evaluate treatment strategies and guide future clinical trial design: pitfalls and opportunities. F. Asselbergs (Utrecht, NL)	818
15:27	Use of wearables and clinical decision support tools for monitoring heart failure patients. D. Kotecha (Birmingham, GB)	819

SUNDAY

Sunday 26 May 2019

Afternoon Sessions

15:45 - 16:30

CLINICAL CASE POSTERS

MODERATED POSTER AREA

Clinical Case Corner 3 - The many faces of valve disease

Chairperson(s): M. Petrie (Glasgow, GB); E. Gara (Oxford, GB)

- 15:45 An interesting case of right middle and lower zone pneumonia vs infective endocarditis secondary to aortic root abscess presenting as unresolving fever 820
P. Sangoi, S. Narayanan, S. Ramkumar, A. Mulasari (Chennai, IN)
- 15:50 Acute papillary muscle rupture: multi-specialty team approach ensuring good clinical outcome 821
K. McCreary, A. Farooqui, B. McClements, R. Jegenathan (Belfast, GB)
- 15:56 The importance of Heart Team in acute heart failure 822
I. Almeida, D. Faria, M. Santos, L. Brizida, R. Teles, L. Raposo, J. Brito, M. Almeida, H. Gabriel, C. Morais (Barreiro and Lisbon, PT)
- 16:01 A life-threatening cause of acute heart failure at a young age 823
A.R. Pereira, A.R. Almeida, I. Cruz, A. Marques, S. Alegria, A. Briosa, J.G. Santos, D. Sebaiti, M.J. Loureiro, H. Pereira (Almada, PT)
- 16:07 A long history of recurrent prosthetic mitral valve thrombosis due to hypereosinophilic syndrome 824
S. Antit, S. Bellakhal, I. Boussabeh, M. Thameur, L. Zakhama, S. Benyoussef (Marsa, TN)
- 16:13 The prevention of heart failure in case of severe mitral regurgitation. The clinical case of the patient with mitral valve dysplasia. 825
Y. Martyanova (Astrakhan, RU)
- 16:18 The crucial role of the heart valve team in the management of a complex case of multivalvular disease and heart failure. 826
F. Cannata, M. Chiarito, C. Panico, B. Pagliaro, L. Ardino, L. Torracca, M. Gasparini, P. Pagnotta, E. Corrada, B. Reimers, G. Condorelli, D. Pini (Rozzano, IT)
- 16:24 A case of an acute mitral regurgitation: differential echocardiographic diagnosis with the chronic form. 827
F. Nicoli, S. Mushtaq, E. Conte, D. Andreini, F. Celeste (Milan, IT)

15:45 - 16:30

MODERATED POSTERS

MODERATED POSTER AREA

Moderated Poster Session - Devices for structural heart disease

Chairperson(s): C. Bucciarelli-Ducci (Bristol, GB); A. Sionis (Barcelona, ES)

- 15:45 Six-month outcomes from the multicenter, prospective study with the novel pascal transcatheter valve repair system for patients with mitral regurgitation in the CLASP study 828
K. Spargias, S. Kar, S. Lim, R. Kipperman, W. O'Neill, M. Ng, N. Fam, C. Raffel, J. Webb, M. Rinaldi, A. Latib, G. Cohen, R. Smith, U. Schaefer, T. Feldman (Athens, GR; Los Angeles, Charlottesville, Morristown, Detroit, Charlotte, Plano and Evanston, US; Camperdown, NSW and Chermside, QLD, AU; Toronto and Vancouver, CA; Milan, IT; Hamburg, DE)
- 15:50 One-year outcomes of the TRI-REPAIR study assessing cardioband tricuspid valve reconstruction system for patients with severe tricuspid regurgitation 829
R.S. Von Bardeleben, J. Hausleiter, U. Schaefer, K.H. Kuck, A. Vahanian, J.M. Juiard, A. Latib, S. Baldus, F. Maisano, G. Nickenig (Mainz, Munich, Hamburg, Cologne and Bonn, DE; Paris, FR; Milan, IT; Zurich, CH)
- 15:56 Clinical scenarios predict procedural outcomes and indices of right heart function in transcatheter repair of valvular right heart failure 830
F. Schlotter, K.P. Rommel, M. Orban, C. Besler, M. Von Roeder, D. Braun, M. Unterhuber, M. Borger, M. Nabauer, S. Massberg, H. Thiele, J. Hausleiter, P. Lurz (Leipzig and Munich, DE)

Afternoon Sessions

15:55 - 16:25 **SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT** **AGORA 1**

Making critical choices for patients at the right time - Join the discussion
Sponsored by Novartis

Chairperson(s): F. Ruschitzka (Zurich, CH)

Discuss practical tips for in-hospital and out-patient initiation of heart failure guideline-recommended medical therapy; up-titration of medication; patient follow up post-discharge

15:55 Panel discussion - Making critical choices for patients at the right time. **837**
 F. Ruschitzka (Zurich, CH); J. McMurray (Glasgow, GB); M. Senni (Bergamo, IT);
 J. Butler (Atlanta, US)

16:30 - 18:00 **CLINICAL CASES** **AGORA 2**

Clinical Case - Advanced interventions from Alpha to Omega

Chairperson(s): T. Hasin (Jerusalem, IL); H. Tolppanen (Helsinki, FI)

16:30 Venovenous ECMO as a rescue tool in acute respiratory failure during LVAD
 implantation in a patient with Cardiogenic Shock **838**
 G. Gabra, F. Bader, M. Elbanna, I. Hamour, M. Soliman (Abu Dhabi, AE)

16:45 The combined use of left ventricular assist device and extracorporeal membrane
 oxygenation in a patient with severe heart failure due to myocardial infarction after
 stent thrombosis **839**
 A.H. Yamac, B. Schieffer (Hannover and Marburg, DE)

17:00 Oversizing amplatzer device for aortic valve closure in patient with L-VAD, aortic
 regurgitation and dilated aortic annulus **840**
 F. Nicolo, A. Montalto, M. Comisso, A. Lio, F. Musumeci (Rome, IT)

17:15 Fulminant lymphocytic myocarditis with cardiogenic shock and multiorgan failure with
 complete recovery after percutaneous mechanical support and immunosuppression. **841**
 I. Jurcova, V. Melenovsky, M. Pindak, H. Riha, I. Netuka, J. Maly, O. Szarszoi, J. Maluskova,
 E. Honsova, W. Bracamonte-Baran, D. Cihakova, M. Kubanek, J. Kautzner (Prague, CZ; Baltimore, US)

17:30 A case of cardiac sarcoidosis diagnosed after heart transplantation **842**
 M. Stratinaki, I. Armenis, N. Kogerakis, E. Leontiadis, M.J. Bonios, A. Gkouziouta,
 A. Platania, L. Kaklamanis, S. Adamopoulos (Athens, GR)

17:45 Successful transplantation of heart from a donor with Takotsubo syndrome **843**
 E. Omerovic, J. Oras, B. Redfors, C. Pirazzi, R. Doueh, G. Dellgren (Gothenburg, SE)

16:30 - 18:00 **SYMPOSIUM** **TRIANTI**

Chronic heart failure: optimising patient management

Chairperson(s): H.P. Brunner-La Rocca (Maastricht, NL); M. Boehm (Homburg, DE)

16:30 Renin-angiotensin-aldosterone system inhibition. **844**
 M. Pfeffer (Boston, US)

16:52 Mineralocorticoid receptor antagonists. **845**
 F. Zannad (Vandoeuvre Les Nancy, FR)

17:15 Betablockers/ivabradine **846**
 M. Komajda (Paris, FR)

17:37 Sacubitril/valsartan. **847**
 P. Seferovic (Belgrade, RS)

Sunday 26 May 2019

Afternoon Sessions

16:30 - 18:00 CLINICAL CASES LAMBRAKIS

Acute heart failure: does clinical settings matter?



MOBILE APP
SESSION

Chairperson(s): M. Metra (Brescia, IT); D. Tousoulis (Athens, GR)

World Congress on Acute Heart Failure

16:30	Cardiorenal syndrome. K. Damman (Groningen, NL)	848
16:52	Acute myocardial inflammation. C. Basso (Padua, IT)	849
17:15	Atrial fibrillation. D. Vinereanu (Bucharest, RO)	850
17:37	Pulmonary embolism. B. Moura (Porto, PT)	851

16:30 - 18:00 SPECIAL SESSION IONIAN SEA

Parade of devices I: attend and learn



SPECIAL
SESSION

Chairperson(s): F. Ruschitzka (Zurich, CH); Y. Lopatin (Volgograd, RU)

16:30	Leadless Pacing. E. Simantirakis (Heraklion, GR)	852
16:42	Subcutaneous -ICD.	853
16:55	Cardiac contractility modulation. A. Coats (Coventry, GB)	854
17:08	LA pressure reduction. G. Hasenfuss (Goettingen, DE)	855
17:21	Pressure monitoring. W. Mullens (Genk, BE)	856
17:34	Impedance monitoring. S. Di Somma (Roma, IT)	857
17:47	Congestion monitoring. J. Cleland (Glasgow, GB)	858

16:30 - 18:00 SYMPOSIUM MITROPOULOS

Pulmonary congestion: new approaches

Chairperson(s): S. Price (London, GB); A. Mebazaa (Paris, FR)

16:30	Utility of the ultrasound. P. Pang (Indianapolis, US)	859
16:52	Novel biomarkers: the missing link. A. Maisel (Solana Beach, US)	860
17:15	Hemodynamic assesment: do we need it? J. Lindenfeld (Nashville, US)	861
17:37	Telemonitoring: how to avoid re-hospitalisation. F. Koehler (Berlin, DE)	862

SUNDAY

Sunday 26 May 2019

Afternoon Sessions

SUNDAY

16:30 - 18:00 SYMPOSIUM SKALKOTAS

Cardiorenal axis in heart failure

Chairperson(s): M. Cowie (London, GB); J. Boletis (Athens, GR)

16:30	Renal dysfunction: classification and epidemiology. A. Voors (Groningen, NL)	863
16:48	Diagnosing kidney dysfunction: biomarkers, imaging and more. C.E. Mueller (Basel, CH)	864
17:06	Advances in pathophysiology. M. Jessup (Hingham, US)	865
17:24	Challenges in the management of patients with kidney dysfunction. P. Rossignol (Vandoeuvre Les Nancy, FR)	866
17:42	Heart failure in renal transplantation. S. Marinaki (Athens, GR)	867

16:30 - 18:00 SYMPOSIUM AEGEAN SEA

Hypertrophic cardiomyopathies: from gene to disease

Chairperson(s): T. Thum (Hannover, DE); A. Bayes Genis (Badalona, ES)

Basic Science - Translational

16:30	All about myofilaments! J. van der Velden (Amsterdam, NL)	868
16:52	Calcium release and hypertrophic cardiomyopathy. M. Daniels (Oxford, GB)	869
17:15	Fibrosis and inflammation. C. Tschoepe (Berlin, DE)	870
17:37	Novel therapeutic targets. L. Carrier (Hamburg, DE)	871

16:30 - 17:15 SPECIAL SESSION AGORA 1

Off the record» session



More details on this special session available on the Mob App

Heart Failure 2019

Sunday Posters

SUNDAY



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Posters Sessions

08:30 - 18:00

POSTER SESSION 2

POSTER AREA

VENTRICULAR ARRHYTHMIAS AND SCD

- The electrocardiographic markers of sudden cardiac death (SCD) and left ventricular global longitudinal strain in recovery peripartum cardiomyopathy patients : do they really recover? P874
H.S. Prameswari, M. Hasan, M. Iqbal, T.I. Dewi, T.A. Sabrawi, N.S. Liem (Bandung, ID)
- The characteristics of electrocardiographic markers of sudden cardiac death (SCD) in recovery peripartum cardiomyopathy patients: a novel study P875
T.A. Sabrawi, H.S. Prameswari, M. Iqbal, N.S. Liem, T.I. Dewi, M. Hasan (Bandung, ID)
- Impact of sustained cardiac tachyarrhythmias recorded in coronary intensive care unit (cicu) on short and long-term mortality and duration of cicu hospitalization. P876
P. Papakonstantinou, A. Malliou, G. Chlouverakis, F. Parthenakis, E. Simantirakis (Heraklion, GR)
- Survival of patients with ischemic cardiomyopathy and ventricular tachyarrhythmias: Effect of catheter treatment P877
R. Tatarsky, R.B. Tatarskiy, S.V. Garkina, D.S. Lebedev (Saint-Petersburg and Saint Petersburg, RU)

CHRONIC HEART FAILURE - PATHOPHYSIOLOGY AND MECHANISMS

- Right ventricle function as a predictor of worse prognosis in patients with advanced heart failure with reduced ejection fraction P878
A. Drohomirecka, M. Lipczynska, T. Rywik, K. Kozuch, K. Zukowska, K. Kodziszewska, K. Komuda, T. Zielinski (Warsaw, PL)
- Impact of left bundle branch block on left ventricular mechanics in patients with idiopathic dilated cardiomyopath P879
H. Badran, A. Omara, W. Abdou, N. Faheem, M. Fathi, M.H. Yacoub (Shebin, EG; London, GB)
- Cardiometabolic and subepicardial obesity: is there a connection? P880
A. Vorobev, V.I. Ruzov, S.M. Akberova, E.A. Gurbanova, R. Khayrullin (Ulyanovsk, RU)
- Markers of cardiac adverse events in patients with reactive fixed pulmonary hypertension secondary to systolic heart failure treated with sildenafil P881
A. Duszanska, M. Gierlotka, M. Zakliczynski (Zabrze and Opole, PL)
- Incidence and predictors of pacemaker induced cardiomyopathy: a single-center experience P882
A. Abdin, K. Yalin, M. Gramlich, M. Zink, N. Marx, K. Schuett (Aachen, DE; Usak, TR)
- Logistic regression model to predict left ventricular ejection fraction recovery in a heart failure unit P883
C.R. Lopez Perales, M. Lasala Alastuey, I. Caballero Jambrina, A. Ruiz Aranjuelo, V. Alonso Ventura, G. Hurtado Rodriguez, A. Portoles Ocampo, M. Sanz Julve, T. Blasco Peiro, A. Perez Guerrero, E. Gambo Ruberte, J. Jimeno Sanchez, B. Peiro Aventin, D. De Las Cuevas Leon, M.R. Ortas Nadal (Zaragoza, ES)
- Dynamics of left ventricular ejection fraction in patients with stable coronary artery disease after coronary artery bypass grafting P884
O. Yepanchintseva, O. Zharinov, K. Mikhailiev, B. Todurov (Kiev, UA)
- Predictors of left ventricular systolic recovery may depend on patients' age P885
J. Pereira, I. Albuquerque, V. Guiomar, A. Monteiro, C. Gomes, I. Ferreira, S. Tavares, V. Chaves, P. Lourenco, P. Bettencourt (Porto, PT)
- Mitral annular plane systolic excursion and peak systolic shift are simple echocardiographic parameters to detect left ventricle systolic dysfunction in heart failure P886
D. Shorikova, A. Gabrielyan, E. Shorikov (Chernivtsy and Kyiv, UA)
- Left ventricular myocardial non-compaction associated with hypertrophic cardiomyopathy: mutation range, life-threatening complications and outcomes P887
N. Rineiska, S. Komissarova, N. Chakova, C. Niyazova, V. Prybylskaya (Minsk, BY)
- Left ventricular diastolic dysfunction in patients with paroxysmal atrial fibrillation P888
A.R. Babaeva, E.A. Slepukhina, S.I. Davidov, N.S. Kondruchaya, Y.V. Zaharov (Volgograd, RU)
- Left ventricle diastolic dysfunction in ambulatory patients with atrial hypertension P889
V.V. Kirillova (Ekaterinburg, RU)

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 V. Martinez Mateo, M.J. Fernandez-Anguita, L. Cejudo Del Campo, E. Martin Barrios, A.J. Paule (Alcázar De San Juan, Ciudad Real, Spain, ES)
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 N. Salterain, E. Castanon, P. Rodeiro, J. Ibero, E. Iglesias, J.J. Gavira (Pamplona, ES)

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M.-F. Boettcher, S. Loewen, M. Gerrits, C. Becker (Wuppertal and Essen, DE; New Jersey, US)

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 M.-F. Boettcher, G. Mikus, D. Trenk, H.-D. Duengen, F. Donath, N. Werner, M. Karakas, N. Besche, D. Schulz-Burck, M. Gerrits, J. Hung, C. Becker (Wuppertal, Heidelberg, Bad Krozingen, Berlin, Erfurt, Bonn, Hamburg and Essen, DE; New Jersey, US; São Paulo, BR)
- Observational study on the use of non antivitamin K anticoagulants in atrial fibrillation and deep vein thrombosis in the community** P1185
 G. Gheorghe, C.E. Georgescu, A.S. Hodoroega, A.G. Florescu, A.C.D. Gheorghe, I.T. Nanea (Bucharest, RO)

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 B. Prochota, K. Szwamel, I. Uchmanowicz (Olesno, Opole and Wroclaw, PL)
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 J.A. Ahn (Suwon, KR)
- Intervention algorithm for the heart logic device for nurse specialized in hf** P1191
 M. Perez Serrano, J.G.A. Josebe Goirigolzarri Artaza, D.E.V. Daniel Enriquez Vazquez, C.N.P. Carlos Nicolas Perez, M.F.E. Marcos Fernandez Escarbajal, R.B.F. Ramon Bover Freire, C.M.M. Carlos Macaya Miguel, C.R.R. Concepcion Ramirez Ramos, M.G.B. Marcos Gonzalez Barja, N.R.L. Noemi Ramos Lopez, A.J.B. Adrian Jeronimo Baza, E.M.G. Eduardo Martinez Gomez, I.V.C. Isidre Vilacosta, P.M.S. Paula Martinez Santos (Madrid, ES)
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 C.J. Wulffraat, A.C. Hofman-Tanis (capelle aan den ijssel, NL)
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 A. Ferreira, A. Neto, D. Seabra, I. Oliveira, P. Silva, M. Soares, S. Ferreira, S. Poaires, M. Meira, A. Andrade (Penafiel, PT)
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 P. Silva, I. Oliveira, A. Neto, D. Seabra, S. Ferreira, M. Soares, A. Ferreira, S. Poaires, M. Meira, A. Andrade (Penafiel, PT)
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- Wild type TTR amyloidosis disguised as concentric hypertensive left ventricular hypertrophy** P1200
A. Siama, S. Giannitsi, E. Hamodraka, A. Tsoukas, A.J. Manolis (Athens, GR)
- «Burned-out» hypertrophic obstructive cardiomyopathy presenting as acute coronary syndrome** P1201
A. Siama, E. Hamodraka, P. Fountoulakis, A. Kalogeris, A. Tsoukas, A.J. Manolis (Athens, GR)
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J. Zakrzewska-Koperska, Z.T. Bilinska, G.T. Truszkowska, M. Franszczyk, K. Kalin, K. Guzek, A. Hasiec, M. Stepien-Wojno, M. Orczykowski, R. Bodalski, P. Urbanek, R. Baranowski, L. Szumowski, R. Ploski, M. Bilinska (Warsaw, PL)
- Clinical case of effective treatment of ventricular arrhythmias with ranolazine in a 32-year-old woman with unclear aetiology cardiac inflammation** P1203
M.I. Chashkina, M.V. Serova, D.A. Andreev, A.A. Bykova, Z.K. Salpagarova, D.F. Mesitskaya, F.Y. Kopylov, A.L. Syrkin (Moscow, RU)
- Young patient with syncope during exercise: should we be worried?** P1204
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- Patient and caregiver contribution in self-care heart failure - clinical case** P1206
M.H. Lisiak, M. Wleklík, I. Uchmanowicz (Wroclaw, PL)
- Case report: peripherally inserted central catheter in patient with heart failure and cardiac implantable electronic device in catheterization laboratory** P1207
E.R. Rabelo-Silva, M. Junges, R.N. Ceratti, J.A. Augustin, L.A. Hansel, P.M.N. Bairros, P.C. Cardoso, I.D. Brum (Porto Alegre, BR)
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- Emerging cardio-oncology therapeutics: the role of ivabradine and levosimendan in acute heart failure reversible toxicity** P1209
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- Heart failure and tachycardiomyopathy in a patient taking ibrutinib: a novel tyrosine kinase inhibitor.** P1210
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- The case of primary systemic amyloidosis with a clinical picture of congestive heart failure refractory to symptomatic therapy** P1211
I.A. Leonova, S. Boldueva, I. Yarmosh (St-Petersburg, RU)
- Right ventricular failure and severe functional tricuspid regurgitation caused by atrial fibrillation** P1212
S. Collins, D. Haas, R. Azad (Abington, US)
- Left ventricular non-compaction and coronary artery disease: what's causing systolic dysfunction? a case report** P1213
C. Rovera, E. Franco, C. Moretti (Chivasso, IT)
- Haemochromatosis: an under-recognised and treatable cause of dilated cardiomyopathy** P1214
S. Cesini, A. Kydd, S. Bhagra, M. Besser, B. Griffiths, S. Pettit (Cambridge, GB)
- Constrictive pericarditis: a forgotten cause of heart failure** P1215
C. Pemberthy Lopez, P.J. Espinosa Martinez, J.C. Rendon Isaza, C.I. Saldarriaga Giraldo (Medellin, CO)

Posters Sessions

- Difficult diagnosis of co-existence of constrictive pericarditis and cardiomyopathy due to rheumatoid arthritis** P1216
 M. Sugahara, H. Uemura, K. Azuma, R. Kawakami, Y. Okuhara, M. Asakura, M. Mitsuno, M. Ishihara, S. Hirota, T. Masuyama (Nishinomiya, JP)
- A cause of left ventricle dilatation and dysfunction which may benefit from aetiological therapy** P1217
 G. Crasmariu, S. Onciul, L. Calmac, M. Dorobantu (Bucharest, RO)
- Coronary artery disease in a systemic sclerosis sine scleroderma female patient** P1218
 I. Tilea, A. Varga, C.F. Suciuc, D.N. Petra, D.G. Iancu (Targu Mures, RO)
- The clinical case of cardiac amyloidosis associated with multiple myeloma** P1219
 E. Tsoi, Y.U.V. Rogovskaya, S.V. Demyanov, V.V. Ryabov (Tomsk, RU)
- Numb Chin syndrome, intracardiac mass in right ventricle and pulmonary nodules as metastasis of diffuse large B-cell lymphoma (DLBCL) of non-germinal center (non-GC) type** P1220
 A.M. Culebras Lopez, C. Ganan Gomez, B. Munoz Calvo, P. Rodriguez Doyaguez, J.A. Garcia Lledo (Alcala de Henares, ES)
- Takotsubo-like syndrome in a patient with BRAF mutated metastatic lung cancer** P1221
 L.C. Belarte Tornero, A. Taus Garcia, M. Ble Gimeno, T. Martos Cardenas, S. Servitja Tormo, E. Gimeno Vazquez, A. Salar Silvestre, X. Sanz Latiesas, F. Martinez Medina, A. Miguel Gutierrez, E. Sole Gonzalez, S. Ruiz Bustillo, N. Farre Lopez, J. Marti Almor (Barcelona, ES)
- Acute heart failure in patient with cervical cancer** P1222
 S. Dakova, K. Ramshev (Sofia, BG)
- The obsessional synovial sarcoma** P1223
 J. Pan, C.J. Gao, H. Tang, Y.G. Wang (Shanghai, CN)
- Successful video-assisted thoracoscopic atrial appendectomy for a 4-year-old child with intractable atrial tachycardia with tachycardia-induced cardiomyopathy** P1224
 H.W. Kwon, E.J. Bae, J.G. Kwak (Seoul, KR)
- High degree AV block and ventricular septal rupture unmasking silent myocardial infarction.** P1225
 D. Cocco, D. Congia, A. Pani, G. Binaghi, E. Serra, G.S. Fele, M. Melis, P.P. Orru, G. Zedde, M. Manconi, A. Boi, E.M. Cirio, P. Manca, M. Corda, M. Porcu (Cagliari, IT)
- Takotsubo cardiomyopathy as a rare complication of guillain-barre' syndrome** P1226
 R. Stopar, B. Rojc, B. Mahne, T. Ravnikar, N. Cernic-Suligoj, A. Kupresan, S. Kariz (Izola, SI)
- Native aortic valve endocarditis mimicking meningitis in a rare setting** P1227
 I. Refatllari, A. Banushi, E. Rapushi, E. Ramosaco, K. Krakulli, E. Bejko (Tirana, AL)
- A case of acute myocarditis due to 5-fluorouracil cardiotoxicity.** P1228
 J.D. Sanchez Vega, E. Rajjoub Al-Mahdi, G.L. Alonso Salinas, M. Pascual Izco, J.M. Vieitez Florez, M. Plaza Martin, R. Hinojar Baydes, C. Fernandez-Golfin, A. Urena, A. Garcia De Vicente, M.A. Fernandez, M. Sanmartin Fernandez, J.L. Zamorano (Madrid, ES)
- Takotsubo syndrome complicated by left ventricular outflow tract obstruction in a woman with chronic beta-blocker therapy** P1229
 G. Garau, D. Cocco, C. Soro, C.S. Centorbi, L. Craba, R. Montisci, L. Meloni (Cagliari, IT)
- Fulminant myocarditis: should we wait for recovering? Biopsy says no** P1230
 S. Vazquez, B. Keller, J.M. Dominguez, G. Spitaleri, F. Loiacono, F. Perez Villa, M. Farrero, A. Castel (Barcelona, ES)
- Rare cause of acute heart failure in a young patient** P1231
 E. Han, B. Oeztuerk, S. Kufova, G.J. Wengert, R. Badr Eslam, J. Bergler-Klein (Vienna, AT)
- Leptospirosis: an unusual cause of multiorgan failure and severe cardiac involvement with impressively wide QRS complex** P1232
 A. Kissopoulou, M. Carlsson, S. Kyrana Nijm (Jonkoping, SE)
- Postpartum acute heart failure in a patient with bicuspid aortic valve** P1233
 N. Avram, G.D. Baltag, S. Guberna, R. Brezeanu, A. Lacraru, A. Avram, I. Dimitriu, V. Chioncel, I. Calangea, A. Catana, A. Teasa, A. Ion, C.J. Sinescu, C.L. Andrei (Bucharest, RO)

Posters Sessions

BASIC SCIENCE - CARDIOMYOPATHIES

- Basic science - Cardiomyopathies - Poster Discussant - 10:00-11:00.** P1234
Carlo Gabriele Tocchetti (Napoli, IT)
- Selenium deficiency impairs mitochondrial function in human cardiomyocytes and is associated with worse clinical outcomes in patients with heart failure** P1235
N. Bomer, N. Grote Beverborg, M.F. Hoes, J. Ijmker, D.J. Touw, A.A. Voors, P. Van Der Meer (Groningen, NL)
- Gene therapy with phosphodiesterase 4B in a murine model of pressure overload-induced cardiac hypertrophy** P1236
N. Pavlaki, V.O. Nikolaev (Hamburg, DE)
- Trace ions in failing hearts: only iron, or also others?** P1237
B. Kozłowska, B. Sochanowicz, H. Polkowska-Motrenko, M. Kruszewski, M. Kusmierczyk, P. Leszek (Warsaw, PL)
- Rescue of a proarrhythmic CaMKII-transgenic heart failure mouse model by selective knock-out of sodium channel NaV1.8** P1238
P. Bengel, C. Krekeler, S. Ahmad, P. Tirilomis, K. Toischer, N. Dybkova, L.S. Maier, G. Hasenfuss, S. Sossalla (Göttingen and Regensburg, DE)
- Intact DNA repair in differentiated cardiomyocytes is essential for maintaining cardiac function in response to physiological as well as pathological stimuli** P1239
M. De Boer, M. Te Lintel Hekkert, I. Krabbendam-Peters, J.H.J. Hoeijmakers, D.J. Duncker (Rotterdam, NL)
- Review of the protective effects of Compound 21 and valsartan in iso-induced heart failure in rats** P1240
Z. Ulutas, T. Kivrak, O. Ozhan, N. Vardi, H. Parlakpinar, B. Ates, N. Ermis (Elazig and Malatya, TR)
- Distinct signalling pathways mediated phosphorylation of sarcomere proteins in the right and left ventricle contribute to diverse cardiac dysfunction in the failing heart** P1241
A. Kovacs, S. Pabel, M. Herwig, D. Kolijn, M. Waddingham, E. Robinson, S. Van Linthout, J. Barta, Z. Csanadi, A. Toth, Z. Papp, S. Heymans, C. Tschope, S. Sossalla, N. Hamdani (Bochum, Regensburg and Berlin, DE; Amsterdam and Maastricht, NL; Debrecen, HU)
- Single cell mechanics in failing heart: role of microtubules and mitochondria re-arrangement** P1242
P. Swiatłowska, J. Sanchez-Alonso, P. Wright, S. Bello, P. Novak, J. Gorelik (London, GB)
- Circulating NEP concentrations and activity in the low-, medium- and high-renin HFrEF phenotypes** P1243
S. Prausmueller, H. Arfsten, J.F. Novak, A. Cho, G. Goliasch, P.E. Bartko, N. Pavo, M. Huelsmann (Vienna, AT)
- Inhibition of apoptosis signal-regulating kinase 1 ameliorates cardiac dysfunction by reducing hypertrophy and fibrosis in a rat model of cardiorenal syndrome** P1244
F. Savira, B.H. Wang, A.J. Edgley, H. Krum, D.J. Kelly, A.R. Kompa (Melbourne, AU)
- Polymorphic variants and the expression level of the Ca(2+)-ATPase SERCA2a and ryanodine receptors genes are associated with systolic myocardial dysfunction** P1245
E. Muslimova, T. Rebrova, S.H. Ahmedov, S. Afanasiev (Tomsk, RU)
- Clinical, humoral and hemodynamic predictors of cardiac fibrosis in advanced heart failure** P1246
K. Kodziszewska, S. Szymanska, A. Drohomirecka, W. Smigielski, P. Leszek (Warsaw, PL)
- Activation of Toll Like Receptor 4 (TLR4) promotes cardiomyocyte apoptosis and fibrosis through SIRT2-dependent p53 deacetylation** P1247
P. Katare, H. Nizami, P. Bugga, A. Dinda, S. Banerjee (Faridabad and New Delhi, IN)
- Inhibition of myeloperoxidase in an obese/hypertensive mouse model attenuates obesity and liver damage, but not cardiac remodeling** P1248
A. Piek, W. Du, Z. Wang, D.P.Y. Koonen, E. Lindtstedt, E. Michaelsson, R.A. De Boer, H.H.W. Sillje (Groningen, NL; Gothenburg, SE)
- Correlation between myofilament Ca2+ sensitivity and left ventricular contractility parameters during the progression of pressure overload-induced left ventricular myocardial hypertrophy** P1249
M. Ruppert, B. Bodi, S. Korkmaz-Icoz, S. Loganathan, L. Lehmann, A. Olah, B.A. Barta, A. Sayour, B. Merkely, M. Karck, Z. Papp, G. Szabo, T. Radovits (Budapest and Debrecen, HU; Heidelberg, DE)

Posters Sessions

- Circulating relaxin-1 is a surrogate marker of myocardial fibrosis and left ventricular diastolic function in HFrEF** P1250
 E. Gara, J. Simon, G.Y. Csiko, T. Radovits, G. Foldes, A. Nemes, M. Husveth-Toth, J. Skopal, B. Merkely (Budapest, HU)
- Natural compound-derived small molecules to target fibrosis** P1251
 F.P. Kreutzer, A. Meinecke, J. Fiedler, F. Perbellini, S. Mitzka, Q.T. Do, C.M. Terracciano, T. Thum (Hannover, DE; London, GB; Orléans, FR)
- Fibroblasts as inflammatory supporter cells-a matter of tissue origin?** P1252
 K. Pappritz, M. El-Shafeey, C. Tschoepe, S. Van Linthout (Berlin, DE)
- The secreted matrix glycoprotein ADAMTSL3 is up-regulated in heart failure and mediates anti-fibrotic effects in cardiac fibroblasts** P1253
 K.B. Rypdal, M.E. Strand, A.O. Melleby, M. Gelazauskaite, C.P. Dahl, T. Tonnessen, L. Gullestad, G. Christensen, I.G. Lunde (Oslo, NO)
- Sepsis-induced myocardial dysfunction is associated with epigenetic modulation of parkinson susceptibility gene DJ-1/PARK7** P1254
 J. Tsoporis, H. Amatullah, K. Teichert-Kuliszewska, S. Izhar, G. Kabir, T.G. Parker, C. Dos Santos (Toronto, CA)

BASIC SCIENCE - METABOLISM

- Basic Science - Metabolism - Poster Discussant - 10:00-11:00.** P1255
 Carsten Tschoepe (Berlin, DE); Johannes Backs (Heidelberg, DE); Nazha Hamdani (Bochum, DE)
- Paricalcitol attenuates heart failure associated with metabolic syndrome: mitochondrial health and cardiometabolic reprogramming** P1256
 H. Lateef Nizami, P. Katare, P. Prabhakar, R. Adela, P. Chakraborty, S.K. Maulik, S.K. Banerjee (Faridabad and New Delhi, IN)
- Empagliflozin modulates GTP enzyme cyclohydrolase 1 in chronic heart failure** P1257
 M.C. Asensio Lopez, P. Lopez-Herrera, L. Oltra-Rodriguez, N. Garcia-Carrillo, E. Saura-Guillen, A. Hernandez-Vicente, M.C.A. Sanchez-Perez, N. Fernandez-Villa, D.A. Pascual-Figal, A.M. Lax (Murcia and El Palmar, ES)
- The myocardial metabolism shift results to cardiomyocyte dedifferentiation in dilated cardiomyopathy and chronic heart failure.** P1258
 O.V. Stepanova, A.D. Voronova, T.G. Kulikova, M.P. Valikhov, I.V. Reshetov, S.N. Tereshchenko (Moscow, RU)
- Empagliflozin ameliorates post-infarction cardiac remodeling through overexpression of GTP enzyme cyclohydrolase 1** P1259
 A.M. Lax, P. Lopez-Herrera, L. Oltra-Rodriguez, N. Garcia-Carrillo, E. Saura-Guillen, M.C.A. Sanchez-Perez, A. Hernandez-Vicente, M. Veas-Porlan, D.A. Pascual-Figal, M.C. Asensio Lopez (El Palmar and Murcia, ES)
- Pharmacological mitochondrial stabilization to prevents adverse cardiac remodeling following MI using empagliflozin** P1260
 M.C. Asensio Lopez, L. Oltra-Rodriguez, N. Garcia-Carrillo, E. Saura-Guillen, M.C.A. Sanchez-Perez, A. Hernandez-Vicente, M. Martinez-Herrera, P. Lopez-Herrera, D.A. Pascual-Figal, A.M. Lax (Murcia and El Palmar, ES)
- Age-specific features of cardioprotective action of meldonium under the experimental severe hyposomolar hyperhydration** P1261
 N. Demikhova, O. Yarmolenko, O. Prykhodko, V. Bumeister (Sumy, UA)
- Cardioprotective regulation of the mitochondrial permeability transition pores induced by metabolic preconditioning** P1262
 N. Andelova, I. Waczulikova, B. Szeiffova Bacova, V. Farkasova, I. Kancirova, M. Jasova, M. Ferko (Bratislava, SK)
- Restoration of endogenous hydrogen sulfide synthesis decreases the sensitivity of mitochondrial permeability transition pore opening to Ca²⁺ and increases of cNOS activity in old rat heart** P1263
 L.A. Mys, N.A. Strutynska, V.F. Sagach (Kiev, UA)

Posters Sessions

- Inflammatory state and the development of low triiodothyronine syndrome in advanced heart failure.** P1264
M. Kabat, M. Fraczek-Jucha, K. Zbierska-Rubinkiewicz, R. Rychlak, J. Nessler, A. Gackowski (Krakow, PL)
- Altered fatty acid oxidation and mitochondrial function and structure in skeletal muscle of patients with preserved and reduced ejection fraction compared to healthy controls** P1265
T. Bekfani, M. Bekhite Elsaied, M. Westermann, S. Nietzsche, S. Derlien, A. Hamadanhi, J. Nisser, E. Froeb, D. Haase, T. Kretzschmar, U.C. Smolenski, G. Lehmann, G. Wolf, S. Moebius-Winkler, P.C. Schulze (Jena, DE)
- Effects of phosphodiesterase-5A inhibition on right ventricular cardiomyocyte function in diabetic cardiomyopathy** P1266
L. Martha, B. Bodi, J. Tamas, C. Matyas, A. Toth, B. Merkely, T. Radovits, Z. Papp (Debrecen and Budapest, HU)
- Mitochondrial dysfunction results from the loss of ERK5 in diabetic cardiomyopathy** P1267
W. Liu (Manchester, GB)
- Post-rest inotropic reaction of the myocardium in dependence on SERCA2a expression level and metabolic enzyme activity in patients with coronary artery disease and diabetes mellitus** P1268
D. Kondrat'eva, S.A. Afanasiev, M.V. Egorova, S.H.D. Akhmedov, V.M. Shipulin, S.V. Popov (Tomsk, RU)
- CaMKII-HDAC4 interplay governs the function of the diabetic heart** P1270
J. Grosso, M. Kronlage, M. Dewenter, A.R. Saadatmand, U. Oehl, A.R. Sickmann, H.A. Katus, J. Backs (Heidelberg and Dortmund, DE)
- Circulating micrnas associated with c-type natriuretic peptide in childhood obesity** P1271
M. Cabiati, V. Bianchi, C. Salvadori, E. Randazzo, G. Federico, S. Del Ry (Pisa, IT)
- Endothelial-to-mesenchymal transition contributes to aortic stiffness in type 2 diabetes mellitus** P1272
M.S. Hulshoff, I.N. Schellinger, X. Xu, H. Wong, U. Raaz, E.M. Zeisberg (Göttingen, DE)
- Omega-3 fatty acids prevent the development of heart failure with preserved ejection fraction in a preclinical model** P1273
A. Giraldo, P. Calder, J. Talavera, M.J. Fernandez-Del-Palacio, G. Brooks (Reading and Southampton, GB; Murcia, ES)
- The missing link between the immune system and endothelial dysfunction in HFpEF** P1274
D.S. Nascimento, E.D. Silva, A.M. Silva, G. Conceicao, D. Miranda-Silva, A. Leite-Moreira, A. Lourenco, I.F. Pires, P. Pinto-Do-O.S.G. Santos (Porto, PT)

SUNDAY

PCHF

POSTGRADUATE COURSE IN HEART FAILURE

- BECOME A FUTURE LEADER IN HEART FAILURE MANAGEMENT
- GET A UNIVERSITY DEGREE

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- Specific forms of heart failure
- Treatment and follow-up of heart failure
- Device therapy in heart failure
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Monday 27 May



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MONDAY

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MONDAY

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Morning Sessions

08:30 - 10:00

RAPID FIRE ABSTRACTS

AGORA 2

Rapid Fire 4 - Chronic heart failure - Pharmacology


Chairperson(s): A. Voors (Groningen, NL)


- | | | |
|-------|---|------|
| 08:30 | Heart failure outcomes in patients with diabetes with and without atrial fibrillation - data from the EMPA-REG OUTCOME study
M. Bohm, M. Brueckmann, D. Fitchett, J. George, S. Inzucchi, N. Marx, M. Mattheus, A.P. Ofstad, J. Slawik, S. Verma, C. Wanner, B. Zinman (Homburg, Ingelheim, Aachen and Würzburg, DE; Toronto, CA; New Haven, US; Asker, NO) | 1278 |
| 08:36 | Eligibility for EMPEROR trials in a real-world heart failure population: data from the Swedish heart failure registry
T. Thorvaldsen, L.H. Lund, U. Dahlstrom, G. Savarese (Stockholm and Linköping, SE) | 1279 |
| 08:42 | Metformin reduces myocardial oxygen consumption and improves myocardial efficiency in pre-diabetic heart failure patients
A.H. Larsen, N. Jessen, H. Norrelund, L.P. Tolbod, H.J. Harms, K. Brosen, N.H. Hansson, J. Frokiaer, S.H. Poulsen, J. Sorensen, H. Wiggers (Aarhus and Odense, DK; Uppsala, SE) | 1280 |
| 08:48 | Effects of combined uptitration of ACE-inhibitors and beta-blockers in heart failure with reduced ejection fraction
W. Ouwerkerk, T.H.K. Teng, J. Tromp, W.T. Tay, I. Anand, A.M. Richards, A.A. Voors, C.S.P. Lam (Singapore, SG; Minneapolis, US; Groningen, NL) | 1281 |
| 08:54 | Angiotensin-converting enzyme inhibitors and angiotensin receptor blockers in heart failure patients with mid-range and preserved ejection fraction and clinical outcomes: from the KCHF Registry
Y. Yoshikawa, Y. Tamaki, H. Yaku, E. Yamamoto, N. Ozasa, Y. Inuzuka, T. Morimoto, T. Kato, T. Kimura (Kyoto, Tenri, Moriyama and Nishinomiya, JP) | 1282 |
| 09:00 | The role of candesartan or carvedilol for prevention of anthracycline induced subclinical cardiotoxicity in breast cancer patients.
M.H. Lee, W.B. Chung, B.J. Song, W.C. Park, B.J. Chae, H.J. Youn (Seoul, KR) | 1283 |
| 09:06 | Initiation of sacubitril/valsartan in patients with de novo heart failure with reduced ejection fraction: an analysis of the TRANSITION study
M. Senni, R. Wachter, K. Witte, E. Straburzynska-Migaj, J. Belohlavek, C. Fonseca, C. Mueller, E. Lonn, W. Bao, A. Noe, H. Schwende, D. Butylin, D. Pascual-Figal (Bergamo, IT; Leipzig, DE; Leeds, GB; Poznan, PL; Prague, CZ; Lisbon, PT; Basel, CH; Hamilton, CA; East Hanover, US; Murcia, ES) | 1284 |
| 09:12 | Sex differences in optimal doses of heart failure medication
B.T. Santema, W. Ouwerkerk, J. Tromp, I.E. Sama, A. Ravera, V. Regitz-Zagrosek, F. Zannad, K. Dickstein, J.M. Ter Maaten, M. Metra, P. Van Der Meer, D.J. Van Veldhuisen, S. Meyer, C.S.P. Lam, A.A. Voors (Groningen, NL; Singapore, SG; Brescia, IT; Berlin and Oldenburg, DE; Nancy, FR; Bergen, NO) | 1285 |
| 09:18 | Ivabradine improves systolic ejection time in heart failure with reduced ejection fraction by heart rate-dependent and -independent mechanisms - results from the SHIfT echocardiography substudy
A. Dietl, I. Simon, E. Danner, C. Morbach, S. Stoerk, M. Komajda, K. Swedberg, J.S. Borer, L. Tavazzi, J.C. Tardif, C. Maack, M. Boehm (Würzburg and Homburg, DE; Paris, FR; Gothenburg, SE; New York, US; Cotignola, IT; Montreal, CA) | 1286 |
| 09:24 | The importance of optimal dosing of ferric-carboxymaltose to treat iron deficiency
P. Martens, L. Minten, M. Dupont, W. Mullens (Genk, BE) | 1287 |
| 09:30 | Medical treatment of octogenarians with chronic heart failure: data from CHECK-HF
G. Linssen, J. Veenis, A. Kleberger, H.P. Brunner-La Rocca, A.W. Hoes, J.J. Brugts (Almelo, Rotterdam, Maastricht and Utrecht, NL) | 1288 |
| 09:36 | Association between cardiovascular medication and readmission in heart failure patients
W.J. Kruik-Kolloffel, G.L. Linssen, H.J. Kruik, E.M. Heintjes, K.L.L. Movig, C.J.M. Doggen, J. Van Der Palen (Hardenberg, Hengelo, Utrecht and Enschede, NL) | 1289 |

Monday 27 May 2019

Morning Sessions

08:30 - 10:00	RAPID FIRE ABSTRACTS	AGORA 2
09:42	Repetitive levosimendan infusions for patients with advanced chronic heart failure in the vulnerable post-discharge period: the LeoDOR Trial G. Polzi, J. Comin-Colet, J.F. Delgado, F. Fedele, M.J. Garcia-Gonzales, F. Gustafsson, J.F. Masip, Z. Papp, S. Stoerk, H. Ulmer, B. Vrtovec, G. Wikstroem, J.F. Altenberger (Innsbruck and Grossgmain, AT; Barcelona, Madrid and San Cristobal, ES; Rome, IT; Copenhagen, DK; Debrecen, HU; Wuerzburg, DE; Ljubljana, SI; Uppsala, SE)	1290
09:48	Higher doses of loop diuretics limit uptitration of inhibitors of the renin-angiotensin system in patients with heart failure and reduced ejection fraction J.M. Ter Maaten, P. Martens, K. Damman, A.A. Voors, W. Mullens (Groningen, NL; Genk, BE)	1291
09:54	Prediction of dialysis in heart failure patients with diuretic resistance C. Ge, Y. Zhang, M. Zhu, S. Zhang, Y.M. Liu, C. Chen, Z.B. Zhang, W. Dong (Beijing and Taiyuan, CN; Boston, US)	1292

08:30 - 10:00	SPECIAL SESSION	TRIANTI
Late breaking trial III - Innovative and device therapy		
Chairperson(s): S. Anker (Berlin, DE); A. Coats (Coventry, GB)		SPECIAL SESSION

08:30 - 10:00	SYMPOSIUM	LAMBRAKIS
Cardio-Oncology in 2019 -The new frontier Joint Session with ESC Council of Cardio-Oncology		
Chairperson(s): A. Lyon (London, GB); R. Asteggiano (Turin, IT)		JOINT SESSION
08:30	Cardio-Oncology - Where have we come from in the last 20 years?	1299
08:52	How do we deliver Cardio-Oncology services in 2019? T. Lopez Fernandez (Madrid, ES)	1300
09:15	Can we prevent heart failure in cancer patients? R. Pudil (Hradec Kralove, CZ)	1301
09:37	How should cancer survivors be followed up after cancer treatment? A. Cohen-Solal (Paris, FR)	1302

08:30 - 10:00	DEBATE SESSION	IONIAN SEA
Hot clinical topics in CRT!		
Chairperson(s): C. Leclercq (Rennes, FR); F. Ruschitzka (Zurich, CH)		
08:30	We don't always need the defibrillator - Pro. J. Cleland (Glasgow, GB)	1303
08:50	We don't always need the defibrillator - Contra. C. Linde (Stockholm, SE)	1304
09:10	We don't always need the defibrillator - Rebuttal. C. Linde (Stockholm, SE); J. Cleland (Glasgow, GB)	1305

MONDAY

Monday 27 May 2019

Morning Sessions

08:30 - 10:00 SYMPOSIUM MITROPOULOS

A crosstalk between diabetes and heart failure

Chairperson(s): M. Komajda (Paris, FR); M. Huelsmann (Vienna, AT)

08:30	New insights into the epidemiology. G.M.C. Rosano (London, GB)	1306
08:52	Obesity and diabetes: impact on heart failure outcomes. J. Butler (Atlanta, US)	1307
09:15	Therapeutic advances for patients with heart failure and diabetes. P. Seferovic (Belgrade, RS)	1308
09:37	Cardiovascular outcome trials of novel antidiabetic drugs: a critical analysis. M. Pfeffer (Boston, US)	1309

08:30 - 10:00 SYMPOSIUM SKALKOTAS

Iron disorders: practical guidance for the clinician

Chairperson(s): Y. Lopatin (Volgograd, RU); S. Anker (Berlin, DE)

08:30	How to assess iron status. S. Von Haehling (Berlin, DE)	1310
08:48	Controversy of iron overload. D.T. Farmakis (Athens, GR)	1311
09:06	Pathophysiology of iron deficiency. E.A. Jankowska (Wroclaw, PL)	1312
09:24	Current evidence from clinical trials. P. Ponikowski (Wroclaw, PL)	1314
09:42	Panel Discussion.	

08:30 - 10:00 SYMPOSIUM AEGEAN SEA

What is heart failure with preserved ejection fraction?

Chairperson(s): R. De Boer (Groningen, NL); B. Pieske (Berlin, DE)

Basic Science - Translational

08:30	A disease of inflammatory co-morbidities! W. Paulus (Amsterdam, NL)	1315
08:52	A disease of the cardiomyocytes. W. Linke (Muenster, DE)	1316
09:15	The extracellular matrix does it all. A. Gonzalez Miqueo (Pamplona, ES)	1317
09:37	Nitrosative stress drives HFpEF. J. Hill (Dallas, US)	1318

MONDAY

Morning Sessions

08:30 - 10:00

SYMPOSIUM

AGORA 1

The omega phase of the heart failure journey: palliative and end-life care
Joint Session with the Association of Cardiovascular Nursing and
Allied Professions (ACNAP)



Chairperson(s): D. Fitzsimons (Belfast, GB); J. Celutkiene (Vilnius, LT)

- | | | |
|-------|--|------|
| 08:30 | The omega phase: dilemmas and devices.
J.M. Beattie (London, GB) | 1319 |
| 08:52 | A multidisciplinary approach: combining medical and supporting care.
L. Hill (Co.Antrim, GB) | 1320 |
| 09:15 | Improving a triangle of communication about palliative and end of life care.
T. Jaarsma (Norrköping, SE) | 1321 |
| 09:37 | Patient preferences
T. Hansen (Copenhagen, DK) | 1322 |

10:00- 11:00

CLINICAL CASE POSTERS

MODERATED POSTER AREA

Clinical Case Corner 4 - Have you seen this before? Rare presentations

Chairperson(s): D. Kotecha (Birmingham, GB)

- | | | |
|-------|--|------|
| 10:00 | Acute heart failure in pregnancy, do not forget zika and the pericardium.
K. Gonzalez Carta, I. Morr, I.J. Mendoza Britto, Y. Meza, J.A. Marques, C. Terzic,
F. Lopez-Jimenez, T. Allison, I.J. Mendoza Mujica (Rochester and Miami, US; Caracas, VE) | 1323 |
| 10:06 | Right heart failure related to diffuse large b cell lymphoma
A.G. Florescu, A. Bouali, G. Salles, P.-Y. Courand (Lyon, FR) | 1324 |
| 10:12 | P-wave asystole in a 26-year-old male; a complex clinical course
P.F. Brennan, O. King, J. Coburn, L.J. Dixon (Belfast, GB) | 1325 |
| 10:18 | Old therapies of new fashion: a better way to use diuretics and normal saline in acute decompensated heart failure
M. Mapelli, N. Cosentino, A. Del Torto, C. Vignati, V. Mantegazza, A. Dalla Cia, F. De Martino,
J. Campodonico, G. Marenzi, P.G. Agostoni (Milan, IT) | 1326 |
| 10:24 | A new mutation causing arrhythmogenic right ventricular cardiomyopathy with atypical presentation
A. Aimo, A. Barison, G.D. Aquaro, U. Startari, G. Vergaro, C. Passino, M. Emdin (Pisa, IT) | 1327 |
| 10:30 | Clinical case of heart failure and atrial fibrillation due to long persistent migrated cava-filter in the right ventricle and tricuspid valve
A. Yakushev, O. Paratsii, B. Kravchuk, V. Onishchenko, A. Rusnak, R. Maliarchuk (Kiev, UA) | 1328 |
| 10:36 | A defect never comes alone. How many anomalies discovered by chance can hide a single heart?
R.-D. Adam, A. Nicula, S. Albu, C. Ginghina, B.A. Popescu, R. Jurcut (Bucharest, RO) | 1329 |
| 10:42 | Right heart failure in basedow-graves disease: a tricky diagnosis
I. Casella, M. Buffa, F. Patti, E. Ubertini, M. Gravelone, A. Giubertoni, C. Piccinino (Novara, IT) | 1330 |
| 10:48 | A sporadic or a familial case of left ventricular noncompaction?
D. Bursacovschi, R. Negru-Cemortan (Chisinau, MD) | 1331 |
| 10:54 | Pulmonary thromboembolism in the patient with single ventricle id type and opening kava-caval collaterals
E. Skorodumova, V.A. Kostenko, E.A. Skorodumova, A.V. Siverina, V.A. Ilina,
I.V. Gayvoronskiy, A.V. Rysev, V.E. Savello, A.M. Antonova, A.S. Ragel, M.V. Soloviov,
L.D. Egikian (Saint Petersburg, RU) | 1332 |

Morning Sessions

10:00 - 11:00

MODERATED POSTERS

MODERATED POSTER AREA

Moderated Poster Session - Non pharmacological approach to heart failure world

Chairperson(s): M. Volterrani (Rome, IT); S. Xydonas (Chalandri, GR)

10:00	Palliative care on end-stage heart failure: EPICTER Study J. Fernandez-Martinez, M. Romero-Correa, P. Salamanca-Bautista, O. Aramburu-Bodas, F. Formiga, P. Vazquez-Rodriguez, A. Conde-Martel, J.A. Garcia-Garcia, I. Paez-Rubio, M.L. Lopez-Reboiro, C. Sanchez-Sanchez, P. Gil-Martinez, J.M. Cepeda-Rodrigo, J. Abellan-Martinez, J.L. Arias-Jimenez (Seville, Minas de Riotinto, A Coruña, Las Palmas De Gran Canaria, Huelva, Lugo, Avila, Madrid, Orihuela and Mostoles, ES)	1333
10:06	Heart failure and palliative care: an integrated service for patients across hospital and community settings F. Hodson, M. Al Barjas, S. Karwatowski, R. George, J. Ross (Kent, London and Farnborough, GB)	1334
10:12	A constructivist approach to teaching patients with heart failure. Results from an intervention study E. Kroustalli, P.C. Papadopoulos Costas, V.I. Vasileiadis Ioannis, K.A. Kalokairinou Athena, K.S. Kiokas Sotirios, K.E. Karatzanos Eleftherios, N.S. Nanas Sefaeim (Athens, GR)	1335
10:18	Quality of life measures in heart failure with reduced ejection fraction: sex differences and association with outcome A. Ravera, B.T. Santema, I.E. Sama, C.M. Lombardi, V. Carubelli, E. Sciatti, D. Savoldi, L. Rossi, S. Calza, V. Cappa, M. Metra, A.A. Voors (Brescia, IT; Groningen, NL)	1336
10:24	Exercise capacity is negatively associated with cerebral white matter hyperintensity in elderly patients with heart failure A. Hirashiki, K. Kawashima, K. Nomoto, M. Kokubo, A. Shimizu, H. Arai (Obu, JP)	1337
10:30	Variation of exercise oscillatory ventilation characteristics is related to the severity of chronic heart failure N. Panagopoulou, S. Dimopoulos, V. Zarvalias, P. Ferentinos, A. Ntalianis, C. Kapelios, D. Delis, A. Sideris, S. Nanas, E. Karatzanos (Athens, GR)	1338
10:36	Skeletal muscle dysfunction in patients with heart failure with preserved compared to reduced ejection fraction: association with an elevated level of pleiotropic cytokine (GDF-15) T. Bekfani, S. Derlien, A. Hamadanchi, J. Nisser, E. Froeb, M. Lichtenauer, B. Wernly, G. Dannberg, U.C. Smolenski, G. Lehmann, G. Wolf, S. Moebius-Winkler, P.C. Schulze (Jena, DE; Salzburg, AT)	1339
10:42	New approaches for the respiratory muscle trainings based on morphological features of the diaphragm G.P. Arutyunov, E.A. Kolesnikova, K.V. Ilyina, A.K. Rylova, A.G. Arutyunov, N.V. Scherbakova (Moscow, RU)	1340
10:48	The long term effect of exercise in the mobilization of endothelial progenitor cells in patients with chronic heart failure C. Kourek, G. Mitsiou, K. Psarra, V. Linardatou, M. Alshamari, N. Panagopoulou, C. Papadopoulos, T. Pittaras, S. Nanas, E. Karatzanos (Athens, GR)	1341
10:54	The impact of patients adherence to the lifestyle advice on all-cause mortality in patients with heart failure: data from the Optimize Heart Failure Care Program Y. Lopatin, A. Grebennikova, H. Sisakian, H. Hayrapetyan, M. Glezer, A. Chesnikova, Z. Pagava, T. Abdullaev, A. Kurlianskaya, L. Voronkov, S. Berkinbayev, A. Rakisheva, E. Tarlovskaya, Z. Kipiani, G. Dadashova (Volgograd, Moscow, Rostov-on-Don and Nizhny Novgorod, RU; Yerevan, AM; Tbilisi, GE; Tashkent, UZ; Minsk, BY; Kiev, UA; Almaty, KZ; Baku, AZ)	1342

Monday 27 May 2019

Morning Sessions

10:00 - 11:00 HOW-TO SESSION VIRTUAL CASE AREA

Virtual case 4 - Young decompensated patient with congestive heart failure

Chairperson(s): M. Wallner (Graz, AT); K. Keramida (Athens, GR)

A 43-year old man with recurrent heart failure hospitalisations was admitted to ICU due to decompensated heart failure. When standard pharmacological treatment was administered, the patient improved, but only temporarily

10:10 - 10:50 SPECIAL EVENT AEGEAN SEA

HFA General Assembly

10:15 - 10:45 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 2

New therapeutic options in the treatment of mitral regurgitation: practical considerations

Organised by Charité Berlin, supported with an educational grant from Edwards

Chairperson(s): S. Anker (Berlin, DE); P. Seferovic (Belgrade, RS)

Understand practical considerations in the use of new therapeutic options for mitral regurgitation

10:15 Welcome and introduction - New therapeutic options in the treatment of mitral regurgitation: practical considerations.

S. Anker (Berlin, DE)

10:18 New therapeutic options in the treatment of mitral regurgitation: practical considerations.

W. Abraham (Columbus, US)

10:35 Discussion - New therapeutic options in the treatment of mitral regurgitation: practical considerations.

S. Anker (Berlin, DE); W. Abraham (Columbus, US); P. Seferovic (Belgrade, RS)

10:15 - 10:45 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 1

Screening, diagnosis and treatment of iron deficiency in chronic heart failure - Practical recommendations

Organised by MedEd Global Solutions & Charité Universitätsmedizin Berlin, supported with an educational grant from Vifor Pharma

Chairperson(s): J. Comin-Colet (Hospitalet De Llobregat, ES)

Recognise the clinical impact of iron deficiency in patients with heart failure.

Evaluate the evidence base and implement best practice guidelines for the management of iron deficiency in chronic heart failure with reduced ejection fraction.

10:15 Welcome and introduction - Screening, diagnosis and treatment of iron deficiency in chronic heart failure - Practical recommendations. 1343

J. Comin-Colet (Hospitalet De Llobregat, ES)

10:18 Screening, diagnosis and treatment of iron deficiency in chronic heart failure - Practical recommendations. 1344

T. McDonagh (London, GB)

10:38 Questions and answers - Screening, diagnosis and treatment of iron deficiency in chronic heart failure - Practical recommendations. 1345

MONDAY

Monday 27 May 2019

Morning Sessions

11:00 - 12:30 CLINICAL CASES AGORA 2

Clinical Case 2

Chairperson(s): S. Collins (Nashville, US); C. Kapelios (Athens, GR)

- | | | |
|-------|--|------|
| 11:00 | Challenges in preventing sudden cardiac death. The importance of familial background, genetic profiling and follow-up in specialised units.
P. Jorda, A. Fernandez-Valledor, O. Campuzano, S. Prat, A. Garcia-Alvarez, L. Mont, M. Sitges, R. Brugada, J. Brugada, E. Arbelo (Barcelona and Girona, ES) | 1346 |
| 11:15 | Early detection of hTTR cardiac amyloidosis with bone DPD scintigraphy in a patient with a rare transthyretin mutation
M. Slama, E. Piekarski, C. Cauquil, V. Algalarrondo, L. Eliahou, C. Labeyrie, D. Adams, F. Rouzet (Paris, Le Kremlin-Bicetre and Clamart, FR) | 1347 |
| 11:30 | Alcohol septal ablation in a patient with hypertrophic obstructive cardiomyopathy due to Anderson-Fabry disease
N. Verheyen, H. Seggewiss, K. Ablasser, E. Kolesnik, D. Zach, J. Binder, A. Zirlik, G.G. Toth (Graz, AT; Wuerzburg, DE) | 1348 |
| 11:45 | Ventricular hypertrophy in a family with sarcomeric hypertrophic cardiomyopathy: always of genetic origin?
P. Jorda, A. Fernandez-Valledor, E. Torrecilla, E. Arbelo, O. Campuzano, F. Perez-Villa, L. Mont, J. Brugada, R. Brugada, M. Sitges, A. Garcia-Alvarez (Barcelona and Girona, ES) | 1349 |
| 12:00 | Dilated cardiomyopathy malignant mutations a case to delve deeper
S. Das, S. Vashista, S. Seth (New Delhi, IN) | 1350 |
| 12:15 | Restrictive cardiomyopathy and anomalous origin of the right coronary artery in a patient with desmin- and myotilin-gene variants: a deleterious combination.
P. Athanassopoulos, C. Da Silva, M. Mannila, A. Manouras (Stockholm, SE) | 1351 |

11:00 - 12:30 GUIDELINES IN DAILY PRACTICE TRIANTI

Guidelines in Daily Practice IV: patient with acute heart failure and pulmonary embolism.



Chairperson(s): C. Yancy (Chicago, US); C.E. Mueller (Basel, CH)

World Congress on Acute Heart Failure

- | | | |
|-------|--|------|
| 11:00 | A patient with acute heart failure and pulmonary embolism.
J. Grapsa (London, GB) | 1352 |
| 11:25 | What do the guidelines say?
S.V. Konstantinides (Mainz, DE) | 1353 |
| 11:40 | How to implement the guidelines.
M. Lainscak (Murska Sobota, SI) | 1354 |
| 11:55 | Panel discussion.
A. Ristic (Belgrade, RS) | 1355 |
| 12:15 | Conclusion and take home message.
C. Yancy (Chicago, US) | 1356 |

MONDAY

Monday 27 May 2019

Morning Sessions

11:00 - 12:30 SYMPOSIUM LAMBRAKIS

Advanced heart failure: Update 2019

Chairperson(s): D. Milicic (Zagreb, HR); T. Ben Gal (Ramat Hasharon, IL)

11:00	Recent epidemiologic data: HFA advanced centers map. M.G. Crespo-Leiro (La Coruna, ES)	1357
11:22	Medical management: prospects and pitfalls. M. Metra (Brescia, IT)	1358
11:45	Long-term mechanical circulatory support: indications and follow-up. R. Starling (Cleveland, US)	1359
12:07	The hurdles and perspectives of heart transplantation. F. Maisano (Zurich, CH)	1360

11:00 - 12:30 SYMPOSIUM IONIAN SEA

Special issues in cardio-oncology

Chairperson(s): Z. Iakobishvili (Holon, IL); I.A. Paraskevaidis (Athens, GR)

11:00	Immunotherapy associated cardiotoxicity: pathophysiology, detection and treatment strategies J. Moslehi (Nashville, US)	1361
11:18	Cardiotoxic drugs and heart failure. D.T. Farmakis (Athens, GR)	1362
11:36	Follow-up of cardio-oncological patients. T. Thum (Hannover, DE)	1363
11:54	Heart rate and arrhythmias in cancer patients. M. Anker (Berlin, DE)	1364
12:12	Therapeutic options. A. Cohen-Solal (Paris, FR)	1365

11:00 - 12:30 SYMPOSIUM MITROPOULOS

Heart failure innovation - Drugs, devices, artificial intelligence Joint session with Heart failure Association of India



JOINT SESSION

Chairperson(s): V. Chopra (New Delhi, IN); S. Anker (Berlin, DE)

11:00	The role of statins in heart failure A. Roy (New Delhi, IN)	1366
11:22	To Be Announced.	1367
11:45	Application of artificial intelligence in heart failure V. Mahajan (New Delhi, IN)	1368
12:07	Innovative telemedicine - Using AI-analysed cardiac hemodynamic data H. Sievert (Frankfurt, DE)	1369

11:00 - 12:30 SYMPOSIUM SKALKOTAS

Joint Session with Korean Society of Heart Failure



JOINT SESSION

MONDAY

Monday 27 May 2019

Morning Sessions

11:00 - 12:30 SYMPOSIUM AEGEAN SEA

Cardiac repair therapies

Chairperson(s): A. Climent (Tbc, ES); E. Iliodromitis (Agia Paraskevi Athens, GR)

Basic Science - Translational

11:00	Regeneration therapies for heart failure. Does it make sense? Almost ready. A. Terzic (Rochester, US)	1376
11:22	Cell-derived products for cardiac regeneration. The future. S. Sahoo (New York, US)	1377
11:45	Clinical application of regenerative therapies: lights and shadows. S. Janssens (Leuven, BE)	1378
12:07	Myocardial recovery: update 2019 S. Drakos (Salt Lake, US)	1379

11:00 - 12:30 SYMPOSIUM AGORA 1

Heart failure epidemiology and registries

Chairperson(s): E.A. Jankowska (Wroclaw, PL); V. Barberis (Nicosia, CY)

11:00	How to set up a high quality registry? O. Amir (Poria, IL)	1380
11:22	The ESC HF long-term EORP registry: impact on clinical practice. A.P. Maggioni (Milano, IT)	1381
11:45	HFA Atlas: a comprehensive insight into European heart failure epidemiology. I. Milinkovic (Belgrade, RS)	1382
12:07	From past to the future: Heart Failure Registry III. L. Lund (Stockholm, SE)	1383

MONDAY

Monday 27 May 2019

Lunchtime Sessions

12:45 - 14:00

SATELLITE SYMPOSIUM

TRIANTI

Meet the experts on getting to grips with HFpEF

Organised by Medscape Education, supported with an educational grant from Novartis

Chairperson(s): C.S. Lam (Singapore, SG); J. McMurray (Glasgow, GB)

- Have increased knowledge regarding the utility of biomarkers and echocardiography in HFpEF (Heart Failure with preserved Ejection Fraction)

- Have greater competence related to the ability to recognize the emotional and clinical burden of a patient with HFpEF

- Have greater competence related to the diagnosis of HFpEF

12:45	Welcome and faculty introductions - Meet the experts on getting to grips with HFpEF. J. McMurray (Glasgow, GB)	1384
12:48	Asking the patient about HFpEF. C.S. Lam (Singapore, SG)	1385
12:58	Dispelling the myths around HFpEF. A. Voors (Groningen, NL)	1386
13:10	Panel discussion - Meet the experts on getting to grips with HFpEF. J. McMurray (Glasgow, GB)	1387
13:22	ABCs of diagnosis of HFpEF - What's new? B. Pieske (Berlin, DE)	1388
13:34	HFpEF past, present and future. L. Lund (Stockholm, SE)	1389
13:46	Panel discussion - Meet the experts on getting to grips with HFpEF. C.S. Lam (Singapore, SG)	1390
13:58	Conclusion and final comments - Meet the experts on getting to grips with HFpEF. C.S. Lam (Singapore, SG)	1391

12:45 - 14:00

SATELLITE SYMPOSIUM

LAMBRAKIS

Cracking the code to a differential diagnosis of cardiac amyloidosis

Sponsored by Pfizer

Chairperson(s): C. Rapezzi (Bologna, IT); G. Filippatos (Athens, GR)

- To raise awareness of Transthyretin Amyloid Cardiomyopathy (ATTR-CM) and highlight the importance of differentiating it from other forms of cardiac amyloidosis

- To describe the utility of "red flag" signs and symptoms, biomarkers and scintigraphy to aid in a non-invasive diagnostic work-up of patients with ATTR-CM

- To discuss real-life clinical examples of ATTR-CM, covering key considerations and frequent pitfalls

12:45	Introduction: untangling cardiac amyloidosis. C. Rapezzi (Bologna, IT)	1392
12:50	Cracking the code: how to achieve a differential diagnosis. C. Rapezzi (Bologna, IT); P. Garcia-Pavia (Madrid, ES)	1393
13:10	Sharing real-world experience: ATTR-CM, the story of one family. P. Garcia-Pavia (Madrid, ES)	1394
13:25	Sharing real-world experience: breaking with tradition - Just old men? M. Fontana (London, GB)	1395
13:40	Sharing real-world experience: Monoclonal Gammopathy of Undetermined Significance (MGUS) - A common pitfall to establishing a definitive diagnosis. T. Damy (Creteil, FR)	1396
13:55	Summary and close: cracking the code to a differential diagnosis of cardiac amyloidosis. G. Filippatos (Athens, GR)	1397

MONDAY

Monday 27 May 2019

Lunchtime Sessions

12:45 - 13:45

SATELLITE SYMPOSIUM

IONIAN SEA

Know it by heart - New opportunities for cardiologists in the Sodium-Glucose-Co-Transporter 2 (SGLT2) inhibitor era

Sponsored by Boehringer Ingelheim & Eli Lilly and Company Alliance

Chairperson(s): F. Ruschitzka (Zurich, CH); F. Zannad (Vandoeuvre Les Nancy, FR)

- | | | |
|-------|--|------|
| 12:45 | Welcome and introduction - Know it by heart - New opportunities for cardiologists in the SGLT2inhibitor era.
F. Ruschitzka (Zurich, CH) | 1398 |
| 12:55 | SGLT2 inhibitors: what is the evidence so far?
J. Butler (Atlanta, US) | 1399 |
| 13:10 | Advancing evidence-based care in patients with type 2 diabetes: new opportunities for cardiologists.
R. Fontes Carvalho (Porto, PT) | 1400 |
| 13:30 | Ongoing studies with SGLT2 inhibitors: how may new and emerging evidence inform future clinical practice?
F. Zannad (Vandoeuvre Les Nancy, FR) | 1401 |
| 13:40 | Summary and close - Know it by heart - New opportunities for cardiologists in the SGLT2 inhibitor era.
F. Zannad (Vandoeuvre Les Nancy, FR); F. Ruschitzka (Zurich, CH) | |

12:45 - 14:00

SATELLITE SYMPOSIUM

MITROPOULOS

Innovative devices to better treat heart failure patients

Organised by Charité Berlin, supported with educational grants provided by Bioventrix, Cardiac Dimensions and Respicardia

Chairperson(s): S. Anker (Berlin, DE); A. Coats (Coventry, GB); H. Sievert (Frankfurt, DE)

- Examine recent results on the use of percutaneous mitral annuloplasty for the treatment of Functional Mitral Regurgitation (FMR)

- Understand how phrenic nerve stimulation can improve sleep apnea in Heart Failure (HF) patients

- Learn how reconstruction and volume reduction of the scarred left ventricle may be beneficial in ischemic heart failure patients

- | | | |
|-------|---|------|
| 12:45 | Reshaping the left ventricle using percutaneous mitral annuloplasty therapy - Results of the ReduceFMR phase II study.
K. Witte (Leeds, GB) | 1402 |
| 13:07 | Sleep apnea therapy in heart failure in 2019 - Focus on phrenic nerve stimulation.
P. Ponikowski (Wroclaw, PL) | 1403 |
| 13:29 | Less Invasive Ventricular Enhancement (LIVE) - A volume reduction and reshaping procedure for ischemic HF patients with Left Ventricular (LV) scar.
M. Swaans (Hedel, NL) | 1404 |
| 13:51 | Panel discussion - Innovative devices to better treat heart failure patients.
S. Anker (Berlin, DE); A. Coats (Coventry, GB); P. Ponikowski (Wroclaw, PL); H. Sievert (Frankfurt, DE); M. Swaans (Hedel, NL); K. Witte (Leeds, GB) | 1405 |

MONDAY

Monday 27 May 2019

Lunchtime Sessions

12:45 - 14:00

SATELLITE SYMPOSIUM

SKALKOTAS

Fighting advanced heart failure with innovative medical device technology Sponsored by Abbott

Chairperson(s): M.G. Crespo-Leiro (La Coruna, ES); P. Seferovic (Belgrade, RS)

Attendees will learn about innovative approaches to better manage advanced heart failure with Left Ventricular Assist Device (LVAD) and what are the criteria for timely referral of patients to be considered for implantation. In addition exciting new long term clinical evidence with Left Ventricular Assist Device (LVAD) featuring full MagLev (Magnetic Levitation) flow will be discussed.

12:50	The crisis of advanced heart failure: definitions and treatment options. M. Metra (Brescia, IT)	1406
13:06	Evolution of left ventricular assist device therapy: time for reappraisal? K. Damman (Groningen, NL)	1407
13:22	Referring the right patient at the right time for LVAD implantation: guidelines and patient criteria. F. Gustafsson (Copenhagen, DK)	1408
13:37	Do we have sufficient evidence to establish LVAD therapy as standard of care? H.S. Lim (Birmingham, GB)	1409

12:45 - 13:45

SATELLITE SYMPOSIUM

AEGEAN SEA

Does multi-sensor prediction of heart failure facilitate CRT optimisation? Sponsored by Boston Scientific

Chairperson(s): Y. Al Hebaishi (Riyadh, SA); C. Linde (Stockholm, SE)

- Understand how to personalize Heart Failure (HF) management through the use of new diagnostic features on Cardiac Resynchronization Therapy (CRT) devices
- Get insight into first user experience of HeartLogic on CRT devices
- Assess the value of Atrial Fibrillation (AF) and HF diagnostics versus CRT optimization

12:45	CRT therapy - Mandatory requirements and "nice to have" features. C. Linde (Stockholm, SE)	1410
12:52	Managing heart failure patients using diagnostics -The playbook. L. Santini (Rome, IT)	1411
13:07	Pro - Heart failure and AF diagnostics are more important than CRT features! M. Cowie (London, GB)	1412
13:22	Con - Heart failure and AF diagnostics are more important than CRT features! A. Goette (Paderborn, DE)	1413
13:37	Take-home message - Does multi-sensor prediction of heart failure facilitate CRT optimisation? Y. Al Hebaishi (Riyadh, SA)	1414

MONDAY

Afternoon Sessions

14:15 - 15:45

RAPID FIRE ABSTRACTS

AGORA 2

Rapid Fire 5 - Non-pharmacological treatments: beyond conventional

Chairperson(s): S. Price (London, GB); O. Manintveld (Berkel En Rodenrijs, NL)

- | | | |
|-------|--|------|
| 14:15 | <p>Treatment of central sleep apnoea with phrenic nerve stimulation is associated with reduction in heart failure-related hospitalizations</p> <p>P. Ponikowski, O. Oldenburg, S. Javaheri, L. Goldberg, C. Stellbrink, A.C. Kao, R. Augostini, R.E.G. Germany, W.T. Abraham, M.R. Costanzo (Wroclaw, PL; Munster and Bielefeld, DE; Cincinnati, Philadelphia, Kansas City, Columbus, Oklahoma City and Naperville, US)</p> | 1417 |
| 14:21 | <p>Bacterial infections as a mediator of ventricular assist device-induced HLA allosensitization</p> <p>I. Armenis, A. Chaidaroglou, M.J. Bonios, N. Kogerakis, A. Gkouziouta, E. Leontiadis, S. Chatzianastasiou, D. Chilidou, D. Degiannis, S. Adamopoulos (Athens, GR)</p> | 1418 |
| 14:27 | <p>Improvement of right ventricular function with intraaortic balloon pump counterpulsation</p> <p>M.J. Bonios, I. Armenis, N. Kogerakis, A. Gkouziouta, E. Leontiadis, P. Georgiadou, S. Fragkoulis, S. Dimopoulos, D. Tsiapras, P. Vlachos, S. Adamopoulos (Athens, GR)</p> | 1419 |
| 14:33 | <p>Response to cardiac resynchronization therapy is present across all stages of chronic kidney disease</p> <p>J.M. Ter Maaten, P. Martens, A.H. Maass, K. Damman, M. Dupont, W. Mullens (Groningen, NL; Genk, BE)</p> | 1420 |
| 14:39 | <p>Transcatheter Mitral-Valve Repair in patients with heart failure and severe dysfunction.</p> <p>P. Fluvia, X. Millan Alvarez, S. Mirabet Perez, D. Arzamendi Aizpurua, C.H. Li Li, J. Alvarez Garcia, L. Lopez Lopez, M. Rivas Lasarte, V. Brossa Loidi, A. Serra Penaranda, E. Roig Minguell (Girona and Barcelona, ES)</p> | 1421 |
| 14:45 | <p>A novel rotary blood pump for HFpEF</p> <p>E. Gude, D.R. Fiare (Oslo, NO)</p> | 1422 |
| 14:51 | <p>Temporal improvement in CRT response and survival: a review of multicenter trials</p> <p>C. Linde, S. Liu, D.H. Fagan, V. Laager, E. Chung (Stockholm, SE; Mounds View and Cincinnati, US)</p> | 1423 |
| 14:57 | <p>Predictors of maximal exercise capacity in long-term mechanical circulatory support</p> <p>S.E.A. Felix, M.I.F. Oerlemans, L.W. Van Laake, J.H. Kirkels, F.W. Asselbergs, M.P. Buijsrogge, W.J.L. Suyker, N. De Jonge (Utrecht, NL)</p> | 1424 |
| 15:03 | <p>Continuous-flow ventricular assist device to small left ventricle: Is it nightmare?</p> <p>M. Ono, K. Nawata, O. Kinoshita, S. Shimada, M. Ando, T. Inoue, E. Amiya, M. Hatano, I. Komuro (Tokyo, JP)</p> | 1425 |
| 15:09 | <p>The detrimental effect of right atrial pacing on left atrial function and clinical outcome in cardiac resynchronization therapy.</p> <p>P. Martens, S. Deferm, M. Dupont, W. Mullens (Genk, BE)</p> | 1426 |
| 15:21 | <p>Consequences of a revised heart allocation system on the cost effectiveness of cardiac transplantation in the united states: game theory based insights</p> <p>M. Saltzberg (Milwaukee, US)</p> | 1428 |
| 15:27 | <p>Identifying urinary microRNAs for heart allograft rejection monitoring using small RNA sequencing - Pilot results</p> <p>J. Novak, T. Machackova, T. Novakova, J. Godava, P. Hude, V. Zampachova, J. Oppelt, P. Nemeč, H. Bedanova, O. Slaby, J. Bienertova-Vasku, J. Krejci, L. Spinarova (Brno, CZ)</p> | 1429 |
| 15:33 | <p>Exercise oscillatory ventilation improves the performance of prognosis scores currently used for heart failure</p> <p>F. Gama, P. Freitas, C. Aguiar, A. Ferreira, A. Tralhao, C. Strong, A. Ventosa, J. Ferreira, M. Mendes (Lisbon, PT)</p> | 1430 |
| 15:39 | <p>From transcatheter atrial septal defect closure to atrial left-to-right shunt as a novel application of heart failure with preserved ejection fraction (HFpEF)</p> <p>X. Jin, Y.M. Hummel, W.T. Tay, J.F. Nauta, N.S. Bamadhaj, C.S.P. Lam, A.A. Voors, E.S. Hoendermis (Singapore, SG; Groningen, NL)</p> | 1431 |

Monday 27 May 2019

Afternoon Sessions

14:15 - 15:45 SYMPOSIUM TRIANTI

Identifying and treating sleep apnea in heart failure

Chairperson(s): M. Volterrani (Rome, IT); S. Anker (Berlin, DE)

14:15	Prevalence, types and pathophysiology. A. Coats (Coventry, GB)	1432
14:37	Identifying patients: home testing vs. laboratory testing. C. Schoebel (Berlin, DE)	1433
15:00	Treatment of obstructive sleep apnea: from masks to neurostimulation. W. Abraham (Columbus, US)	1434
15:22	Treatment options for central sleep apnea. M. Cowie (London, GB)	1435

14:15 - 15:45 SPECIAL SESSION LAMBRAKIS

HFA Championships

Chairperson(s): M. Lainscak (Murska Sobota, SI); S. Collins (Nashville, US);
P. Seferovic (Belgrade, RS); I. Pina (Detroit, US)
Judge(s): M. Jessup (Hingham, US); M. Metra (Brescia, IT); O. Chioncel (Bucuresti, RO);
I. Ekman (Goteborg, SE)



14:15	Team Presentation. M. Lainscak (Murska Sobota, SI)	1436
14:37	French team. D. Bodez (Montreuil, FR); T. Damy (Creteil, FR); M. Frelat (Grisy-Suisnes, FR); A. Galat (Creteil, FR)	1437
15:00	Greek Team. J.T. Parissis (Athens, GR); V. Bistola (Athens, GR); M. Nikolaou (Athens, GR); A. Frogoudaki (Athens, GR)	1438
15:22	German Team.	1439

14:15 - 15:45 SYMPOSIUM IONIAN SEA

Short term mechanical circulatory support

Chairperson(s): T. Ben Gal (Ramat Hasharon, IL) ; C. Schulze (Jena, DE)

14:15	Indications for implantation. D. Burkhoff (New York, US)	1440
14:37	Short term LV unloading. A. Ruhparwar (Heidelberg, DE)	1441
15:00	Short term RV unloading. F. Gustafsson (Copenhagen, DK)	1442
15:22	Novel devices: The road ahead. J. Lindenfeld (Nashville, US)	1443

MONDAY

Monday 27 May 2019

Afternoon Sessions

14:15 - 15:45 SYMPOSIUM MITROPOULOS

Practical use of biomarkers: tips and tricks

Chairperson(s): A. Mebazaa (Paris, FR); C.S. Lam (Singapore, SG)

14:15	Heart failure diagnosis: established and emerging biomakers. C.E. Mueller (Basel, CH)	1444
14:37	Biomarkers in risk-stratification and follow-up. S. Di Somma (Roma, IT)	1445
15:00	Phenotyping heart failure by biomarkers. A. Maisel (Solana Beach, US)	1446
15:22	Biomarker-guided treatment: myth or reality? G.M. Felker (Durham, US)	1447

14:15 - 15:45 SYMPOSIUM SKALKOTAS

Frailty and fatigue in heart failure: emerging problem in the heart failure clinic.

Chairperson(s): T. Jaarsma (Norrköping, SE); K. Dickstein (Stavanger, NO)

14:15	How to assess frailty and fatigue. I. Uchmanowicz (Wroclaw, PL)	1448
14:33	Use of anabolics and appetite stimulants. S. Von Haehling (Berlin, DE)	1449
14:51	Use of exercise and devices. I. Laoutaris (Athens, GR)	1450
15:09	Psychosocial and educational interventions to combat frailty. A. Stromberg (Linköping, SE)	1451
15:27	Taking care of stroke. A. Ahmed (Washington, US)	1452

14:15 - 15:45 SYMPOSIUM AEGEAN SEA

Cancer and heart failure: enemies in treatment?

Chairperson(s): J. Hulot (Paris, FR)

Basic Science - Translational

14:15	Heart failure promotes cancer or vice versa? R. De Boer (Groningen, NL)	1453
14:30	Common pathways in tumour growth and heart failure. D. Hilfiker-Kleiner (Hannover, DE)	1454
14:45	Cardiotoxic agents: from check point inhibitor to immunotherapy. C.G. Tocchetti (Napoli, IT)	1455
15:00	Molecular strategies to combat cardiotoxicity. C. Bar (Hannover, DE)	1456

MONDAY

Afternoon Sessions

15:45 - 16:30

CLINICAL CASE POSTERS

MODERATED POSTER AREA

Clinical Case Corner 5 - Cardio-oncology pearls

Chairperson(s): Z. Iakobishvili (Holon, IL); A.V. Nossikoff (Sofia, BG)

15:45	Refractory Pericardial Effusion associated with Churg-Strauss Syndrome	1457
	S.K. Lee, M.S. Park, S.W. Choi, J.C. Youn, S.W. Han, K.H. Ryu, E.J. Kim (Dongtan and Seoul, KR)	
15:50	A case of chemotherapy-induced heart failure	1458
	M. Hassan Abdelnabi, A. Almaghraby, Y. Saleh (Alexandria, EG)	
15:56	The role of levosimendan and ivabradine in cardio-oncology: acute doxorubicin toxicity	1459
	G. El-Khoury, A. Bazarbachi, H. Skouri (Beirut, LB)	
16:01	Behind the curtain - frequent is not always the answer	1460
	R. Carvalho, R. Carvalho, C. Ruivo, F. Montenegro Sa, L. Santos, S. Fernandes, M. Carvalho, J. Guardado, F. Soares, J. Morais (Leiria, PT)	
16:07	Complete atrioventricular block revealing cardiac metastasis of pulmonary adenocarcinoma	1461
	S. Antit, F. Yangui, M. Ben Kilani, I. Boussabeh, M. Triki, L. Zakhama, S. Benyoussef (Marsa, TN)	
16:13	Cardiogenic shock in a postoperative patient with neoplasia: what went wrong?	1462
	M.L. Barbu, C. Humulescu, A. Trandafir, D. Pasoiu, R. Ciomag, C. Homentcovschi, A. Gurghean, D. Spataru, R. Siliste (Bucharest, RO)	
16:18	Early onset of coronary artery disease in young survivor after combined treatment of non-Hodgkin lymphoma	1463
	E.K. Shavarova, I.A. Chomova, V.V. Maiskov, Z.D. Kobalava (Moscow, RU)	
16:24	AV Block with unconventional cause	1464
	A. Abdin, P. Baldia, M. Frick, N. Marx, K. Schuett (Aachen, DE)	

15:45 - 16:30

MODERATED POSTERS

MODERATED POSTER AREA

Moderated Poster Session - Basic Science

15:45	Serum uric acid levels and xanthine oxidase activity in chronic heart failure patients with chronic kidney disease	1465
	M. Kolomiets, A. Bilchenko (Kharkiv, UA)	
15:50	Epigenetic changes in heart failure cohorts: novel insights into methylation changes of protein and RNA coding genes in human cardiac tissue	1466
	N. Glezeva, B. Moran, P. Collier, C. Moravec, D. Phelan, E. Donnellan, A. Russell-Hallinan, D.O'connor, W. Gallagher, J. Gallagher, K. McDonald, M. Ledwidge, J. Baugh, S. Das, C. Watson (Dublin, IE; Cleveland, US; Belfast, GB)	
15:56	Sodium-glucose co-transporter 2 inhibition with empagliflozin improves cardiac function in non-diabetic rats with heart failure after myocardial infarction	1467
	S.R. Yurista, H.H.W. Sillje, S.U. Oberdorf-Maass, E.M. Schouten, M.G. Pavez-Giani, J.L. Hillebrands, H. Van Goor, D.J. Van Veldhuisen, R.A. De Boer, B.D. Westenbrink (Groningen, NL)	
16:01	Rest myocardial perfusion defects are related to increased 99mTc-sestamibi washout and inflammation in CCC	1468
	L. Oliveira, J.T. Thackeray, M.L. Delarisse, D.M. Tanaka, C.G. Fabricio, A.C.L. Barros-Filho, D. Hilfiker-Kleiner, M. Ricke-Hoch, J. Mejia, B.G.A. Schirmer, C. Malamut, F.M. Bengel, M.V. Simoes (Ribeirao Preto, Sao Paulo and Belo Horizonte, BR; Hannover, DE)	
16:07	Different pathophysiological pathways between ischaemic and non-ischaemic heart failure	1469
	R.J. Woolley, A.A. Voors, J. Tromp, J.F. Nauta, I.E. Sama (Groningen, NL)	
16:13	Generation and phenotyping of a novel knock-in mouse model of arrhythmogenic cardiomyopathy	1470
	A. Di Bona, A. Scalco, N. Kuperwasser, P. David, R. Celeghin, K. Pilichou, M. Pende, C. Basso, M. Mongillo, T. Zaglia (Padua and Padova, IT; Paris, FR)	

Afternoon Sessions

15:45 - 16:30 MODERATED POSTERS MODERATED POSTER AREA

- 16:18 **Inhibition of complement-coagulation system cross talk attenuates cardiac tissue injury in an ARVC animal model** 1471
 M. Mavroidis, K. Tsilafakis, A. Varela, F. Pantouli, C. Davos, I. Kostavasili (Athens, GR)
- 16:24 **Pharmacological inhibition of GRK2 in experimental heart failure** 1472
 M. Ciccarelli, J. Gambardella, A. Fiordelisi, D. Sorriento, M. Sala, P. Campiglia, B. Trimarco, G. Iaccarino (Salerno and Naples, IT)

15:45 - 16:30 HOW-TO SESSION VIRTUAL CASE AREA

Virtual case 5 - Mysterious myocarditis in a young patient

Chairperson(s): H. Tolppanen (Helsinki, FI); E. Gara (Oxford, GB)

A 39-year old woman with an episode of acute myocarditis a month earlier was admitted to hospital with symptoms of acute heart failure. Echocardiography demonstrated impaired left ventricular ejection fraction, heterogenous wall thickness and pericardial effusion.

15:55 - 16:25 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 2

The evolving role of cardiologists: can we help decrease the cardiovascular event burden in patients with type 2 diabetes?

Sponsored by Boehringer Ingelheim & Eli Lilly and Company Alliance

Chairperson(s): J. Butler (Atlanta, US)

- 15:55 **Introduction and welcome - The evolving role of cardiologists: can we help decrease the cardiovascular event burden in patients with type 2 diabetes?** 1415
 J. Butler (Atlanta, US)
- 16:05 **Open questions and answers - The evolving role of cardiologists: can we help decrease the cardiovascular event burden in patients with type 2 diabetes?** 1416
 J. Butler (Atlanta, US); R. Fontes Carvalho (Porto, PT)

15:55 - 16:25 SATELLITE SYMPOSIUM - EXPERTS ON THE SPOT AGORA 1

Challenges faced in diagnosing and managing HFpEF

Organised by Medscape Education, supported with an educational grant from Novartis

Chairperson(s): C.S. Lam (Singapore, SG)

- Have increased knowledge regarding the utility of biomarkers and echocardiography in HFpEF (Heart Failure with Preserved Ejection Fraction)
- Have greater competence related to the ability to recognize the emotional and clinical burden of a patient with HFpEF
- Have greater competence related to the diagnosis of HFpEF

- 15:55 **Experts debate - Challenges faced in diagnosing and managing HFpEF.** 1473
 C.S. Lam (Singapore, SG); J. McMurray (Glasgow, GB); B. Pieske (Berlin, DE);
 L. Lund (Stockholm, SE); A. Voors (Groningen, NL)

Afternoon Sessions

16:30 - 18:00

RAPID FIRE ABSTRACTS

AGORA 2

Rapid Fire 6 - Risk stratification and prognosis

Chairperson(s): A. Cohen-Solal (Paris, FR); M. Volterrani (Rome, IT)

- | | | |
|-------|---|------|
| 16:30 | <p>Machine learning based risk stratification of patients undergoing cardiac resynchronization therapy</p> <p>M. Tokodi, Z. Toser, A.M. Boros, W. Schwertner, A. Kovacs, P. Perge, G. Szeplaki, L. Geller, A. Kosztin, B. Merkely (Budapest, HU)</p> | 1474 |
| 16:35 | <p>Prognostic impact of ICD interventions in a real-world primary and secondary prevention population</p> <p>E. Elia, L. Baldi Caproriti, G. Bertero, F. Chiarella, P. Ameri, C. Brunelli, P. Sartori, M. Canepa (Genoa, IT)</p> | 1475 |
| 16:41 | <p>Predicting arrhythmic risk in dilated cardiomyopathy: a meta-analysis of clinical parameter</p> <p>A. Sammani, E. Kayvanpour, L.P. Bosman, F. Sedaghat-Hamedani, T. Proctor, K. Jensen, H.A. Katus, A.S.J.M. Te Riele, B. Meder, F.W. Asselbergs (Utrecht, NL; Heidelberg, DE)</p> | 1476 |
| 16:46 | <p>Serial change of Layer-specific myocardial function by Chemotherapy in Breast cancer patients</p> <p>M.N. Kim, S.M. Park, H.D. Kim, D.H. Cho, S.P. Jung, K.H. Park, W.J. Shim (Seoul, KR)</p> | 1477 |
| 16:52 | <p>Forecast of mOrtality Risk Early in the postCardiac Arrest Syndrome Therapy: pilot score for estimate early mortality in post cardiac arrest syndrome patient population</p> <p>E. Zima, B. Kiss, A. Parkanyi, E. Kovacs, P. Nyeki, Z.S. Jenei, A. Fekete-Gyor, L.A. Geller, B. Merkely (Budapest, HU)</p> | 1478 |
| 16:58 | <p>Early heart remodeling in type 1 diabetes patients: possible phenotypes</p> <p>Y. Mahamat, A. Safarova, E. Kokhan, E. Khasanova, N. Safarova, V. Efimova, Z. Kobalava (Moscow, RU)</p> | 1479 |
| 17:09 | <p>Specific pattern of cardiopulmonary exercise testing in patients with right heart failure</p> <p>I. Zlobina, A. Berezina, M. Simakova, O. Moiseeva (Saint Petersburg, RU)</p> | 1480 |
| 17:15 | <p>Extent of late gadolinium enhancement was associated with re-worsening left ventricular ejection fraction in patients with non-ischemic dilated cardiomyopathy</p> <p>T. Nabeta, T. Naruke, Y. Ikeda, T. Ooki, K. Maemura, M. Yazaki, T. Fujita, S. Ishii, J. Ako (Sagamihara, JP)</p> | 1481 |
| 17:20 | <p>Differences in circulating cardiac biomarkers between immunoglobulin light-chain and transthyretin cardiac amyloidosis</p> <p>V. Castiglione, A. Aimo, N. Ghionzoli, C. Prontera, S. Masotti, C. Grigoratos, D. Genovesi, A. Barison, G. Todiere, G.D. Aquaro, C. Passino, M. Emdin, G. Vergaro (Pisa, IT)</p> | 1482 |
| 17:26 | <p>Early identification and prognosis of tachy-induced cardiomyopathy</p> <p>M. Merlo, C. Ruzzier, D. Zaffalon, E. Fabris, M. Gobbo, M. Bobbo, G. Barbati, E. Bianco, M. Zecchin, G. Sinagra (Trieste, IT)</p> | 1483 |
| 17:31 | <p>Screening of LAMP2 expression in peripheral white blood cells by flow cytometry effectively identifies Danon disease among young females with advanced heart failure.</p> <p>M. Kubanek, J. Gurka, F. Majer, L. Piherova, A. Krebsova, A. Chaloupka, J. Krejci, T. Freiberger, D. Zakova, T. Kalina, J. Sikora, V. Melenovsky (Prague and Brno, CZ)</p> | 1484 |
| 17:37 | <p>Crude mortality risk in dilated cardiomyopathy. Comparison of the utility of general heart failure mortality scales derived from the Barcelona 2.0, MAGGIC and MUSIC studies in dilated cardiomyopathy.</p> <p>E.M. Dziewiecka, A. Karabinowska, M. Glimak, M. Winiarczyk, A. Karapetyan, S. Wisniewska-Smialek, P. Podolec, P. Rubis (Krakow, PL)</p> | 1485 |
| 17:43 | <p>Differences in clinical features of hypertrophic cardiomyopathy with or without left ventricular enlargement: a single-center and retrospective study</p> <p>B. Ou (Changsha, CN)</p> | 1486 |

Afternoon Sessions

16:30 - 18:00 **RAPID FIRE ABSTRACTS** **AGORA 2**

- 17:48 **Cardiovascular dysfunction associated with tyrosine kinase inhibitor use in patients with metastatic thyroid cancer** 1487
 B.M. Dowsing, K. Bronis, V. Chambers, K. Newbold, S. Rosen, A. Lyon (London, GB)
- 17:54 **Longitudinal Diastolic strain as predictor for systolic dysfunction among activebreast cancer patients** 1488
 L.M. Laufer-Perl, R. Rosen, L. Mor, M. Derakhshesh, N. Amrami, J. Sherez, G. Keren, Y. Arbel, Z. Rozenbaum, Y. Topilsky (Tel Aviv, IL)

16:30 - 18:00 **SYMPOSIUM** **TRIANTI**

Emerging therapies in heart failure
Joint Session with the working group on pharmacotherapy of the ESC



JOINT SESSION

Chairperson(s): G. Filippatos (Athens, GR); C. Cecconi (Spilimbergo, IT)

- 16:30 **Drugs targeting cardiac metabolism.** 1489
 G.M.C. Rosano (London, GB)
- 16:42 **Apelin pathway.** 1490
 P. Ponikowski (Wroclaw, PL)
- 16:55 **Omecaptiv.** 1491
 J. McMurray (Glasgow, GB)
- 17:08 **Vericiguat.** 1492
 B. Pieske (Berlin, DE)
- 17:21 **Nitroxyl donors.** 1493
 V. Mitrovic (Bad Nauheim, DE)
- 17:34 **B3 agonists.** 1494
 J.L. Balligand (Brussels, BE)
- 17:47 **Potassium binders.** 1495
 S. Anker (Berlin, DE)

16:30 - 18:00 **GUIDELINES IN DAILY PRACTICE** **LAMBRAKIS**

Guidelines in Daily Practice V: pregnancy and heart failure



MOBILE APP SESSION

Chairperson(s): J. Bauersachs (Hannover, DE); Y. Lopatin (Volgograd, RU)

- 16:30 **A case of a pregnant woman with heart failure.** 1496
 L. Gargani (Pisa, IT)
- 16:55 **What do the guidelines say?** 1497
 V. Regitz-Zagrosek (Berlin, DE)
- 17:10 **How to implement the guidelines.** 1498
 B. Bozkurt (Houston, US)
- 17:25 **Panel discussion.** 1499
- 17:45 **Conclusion and take home message.** 1500
 J. Bauersachs (Hannover, DE)

16:30 - 18:00 **SPECIAL SESSION** **IONIAN SEA**

Late breaking trial IV - Registries



SPECIAL SESSION

Chairperson(s): L. Lund (Stockholm, SE); A. Mebazaa (Paris, FR)

Monday 27 May 2019

Afternoon Sessions

16:30 - 18:00 SYMPOSIUM MITROPOULOS

Female heart failure: what is different?

Chairperson(s): V. Bistola (Athens, GR); M. Jessup (Hingham, US)

- | | | |
|-------|--|------|
| 16:30 | From atrial fibrillation to heart failure: does gender matter?
B. Casadei (Oxford, GB) | 1507 |
| 16:52 | Anticoagulation: sex-related differences.
S.V. Konstantinides (Mainz, DE) | 1508 |
| 17:15 | Women in heart failure clinical trials.
T. McDonagh (London, GB) | 1509 |
| 17:37 | Do we equally treat women and men with heart failure?
M.G. Crespo-Leiro (La Coruna, ES) | 1510 |

16:30 - 18:00 SYMPOSIUM SKALKOTAS

Takotsubo syndrome: from pathophysiology to the clinic

Chairperson(s): D. Brutsaert (Kontich, BE); H. Tsutsui (Fukuoka, JP)

World Congress on Acute Heart Failure

- | | | |
|-------|---|------|
| 16:30 | Definition - risk assesment - outcomes.
E. Omerovic (Gothenburg, SE) | 1511 |
| 16:52 | Diagnostic work-up.
J.R. Ghadri (Zurich, CH) | 1512 |
| 17:15 | Role of arrhythmias.
Y. Akashi (Kawasaki, JP) | 1513 |
| 17:37 | Management.
A. Lyon (London, GB) | 1514 |

16:30 - 18:00 SYMPOSIUM AEGEAN SEA

Upcoming and novel drugs in heart failure

Chairperson(s): S. Heymans (Maastricht, NL); B. Meder (Heidelberg, DE)

Basic Science - Translational

- | | | |
|-------|--|------|
| 16:30 | Targeting cardiac amyloidosis.
C. Quarta (London, GB) | 1515 |
| 16:52 | Pirfenidone, a nice pirouette against fibrosis?
M. Ledwidge (Dun Laoghaire, IE) | 1516 |
| 17:15 | Elamipretide, to block mitochondrial dysfunction?
C. Maack (Wuerzburg, DE) | 1517 |
| 17:37 | Gene therapy.
Y. Pinto (Amsterdam, NL) | 1518 |

16:30 - 17:15 SPECIAL SESSION AGORA 1

Off the record session

More details on this special session available on the Mob App



Heart Failure 2019

Monday Posters



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MONDAY

Posters Sessions

08:30 - 18:00

POSTER SESSION 3

POSTER AREA

ATRIAL FIBRILLATION

- Worsening renal function in acute decompensated heart failure patients with atrial fibrillation** P1521
I. Gorda, A. Bezrodniy (Kiev, UA)
- Short and long-term outcomes after radiofrequency catheter ablation of the his bundle: the experience of a tertiary center** P1522
A. Manuel, J. Almeida, P. Fonseca, C. Guerreiro, J. Monteiro, F. Montenegro, J. Ribeiro, F. Rosas, E. Santos, J. Ribeiro, M. Oliveira, H. Goncalves, J. Primo, P. Braga (Porto, PT)
- Conflicts of interest among authors of the ESC guidelines for the management of atrial fibrillation** P1523
B. Schneider, C. Stoellberger (Lübeck, DE; Vienna, AT)
- Right ventricular systolic pressure predicts the future development of atrial fibrillation in end-stage renal disease patients with enlarged left atrium** P1524
H. Chung, J.M.L. Lee, J.S.W. Woo, J.B.K. Kim, S.J.K. Kim, Y.S.B. Byun, S.K.R. Ryu, W.K. Kim, W.S.K. Kim (Seoul, KR)
- Left atrial function and left atrial late gadolinium enhancement magnetic resonance in patients with atrial fibrillation.** P1525
L.N. Agoston Vas Coldea, I. Muresan, B. Cojan-Minzat, T. Mocan (Cluj-Napoca, RO)
- Heart failure patients discharged with atrial fibrillation showed significantly higher readmission rate.** P1526
K. Hirose, M.F. Fukunaga, S.I. Ito, M.Y. Yano, T.M. Morinaga, A.I. Isotani, M.H. Hyodo, S.S. Shirai, K.A. Ando (Fukuoka, JP)
- High prevalence of sleep apnea in patients with paroxysmal atrial fibrillation** P1527
G.M. Traaen, B. Oeverland, L. Aakeroy, T. Hunt, C.H. Bendz, N. Bredesen, L.O.K. Sande, S. Aakhus, L. Hansen, K. Ausen, S. Steinshamn, O.G. Anfinsen, J.P. Loennechen, H. Akre, L. Gullestad (Oslo, Trondheim and Toensberg, NO)
- Assessment of diastolic function in patients with heart failure and atrial fibrillation** P1528
R. Ventura Gomes, J. Pais, A. Pereira, D. Sebaiti, B. Rocha, G. Cunha, A. Marques, M. Quadrado, I. Cruz, A.R. Almeida, P. Fazendas, I. Joao, H. Pereira (Vila Franca de Xira, Evora, Almada and Lisbon, PT)
- Clinical use of a atrial fibrillation detection device for screening in highrisk patients** P1529
J.M. Hartog, M.J.M. Hartog, L.M. Hartog (Utrecht and Leiden, NL; Leuven, BE)
- A meta-analysis of rhythm versus rate control for atrial fibrillation in chronic heart failure** P1530
A.D. Copoeru, O. Cristea, V.H. Cristian, R.F. Pop (Cluj-Napoca, RO)

DEVICE THERAPY

- Characteristics and predictors of super response to the Cardiac Resynchronisation Therapy(CRT). An Algerian single Center Experience.** P1531
R. Benkouar, M.S. Ait Messaoudene, Y. Aoudia, A. Boudrifa, O. Kassoul, Y. Tir, K. Bouasria, N. Ali Tatar, M.T. Chentir, M.T. Chentir, Y. Bouhouita (Algiers, DZ)
- R wave sensed from the left ventricle as mortality predictor in patients with cardiac resynchronization therapy for primary prevention** P1532
N.G. Uribe Heredia, R. Peinado Peinado, J.L. Balaguer Recena, L.G. Piccone Saponara, S. Moreno Reviriego, C. Solorzano Guillen, J.L. Peyrat Benitez, R. Arroyo Espliguero, M.E. Jimenez Martinez, C. Toran Martinez, A. Castillo Sandoval, J.L. Garcia Gonzalez, E. Novo Garcia, B. Garcia Magallon, M.E. Viana Llamas (Guadalajara, Madrid and Ciudad Real, ES)
- Comprehensive approach to the outpatient management of patients with prosthetic heart valves** P1533
E. Gorbunova, N. Trishkina, V. Rozhnev, O. Barbarash (Kemerovo, RU)
- A decline in physical activity precedes sustained ventricular arrhythmias in women** P1534
A.E. Burch, V. Kutiyfa, J.W. Erath, B. Assmus, D. Bondermann, A.M. Russo (Greenville, Rochester and Camden, US; Frankfurt am Main, DE; Vienna, AT)
- Progressive worsening in device-base failure sensors measurements are associated with sub-optimal BiV pacing percentages in CRT-D patients** P1535
N. Varma, M. Cao, E.J. Schloss, R. Ahmed, C. Stolen, J.P. Boehmer (Cleveland, Rosemead, Cincinnati, St Paul and Hershey, US)

Posters Sessions

- Preliminary experience of remote management of heart failure patients with a multisensor ICD alert.** P1536
E. De Ruvo, A. Capucci, F. Ammirati, D. Pecora, S. Favale, G. Molon, B. Petracchi, V. Bianchi, L. Cipolletta, L. Calo', V. Schirripa, C. La Greca, V.E. Santobuono, S. Valsecchi, A.D.onofrio (Rome, Ancona, OSTIA (ROME), Brescia, Bari, Negrar-Verona, Pavia, Naples and Milan, IT)
- ICD-measured heart sounds and their correlation with echocardiographic indexes of systolic and diastolic function** P1537
A. Capucci, L. Calo', L. Santini, D. Pecora, S. Favale, G. Molon, B. Petracchi, V. Bianchi, L. Cipolletta, E. De Ruvo, K. Mahfouz, C. La Greca, M. Campari, S. Valsecchi, A.D.onofrio (Ancona, Rome, Ostia (ROME), Brescia, Bari, Negrar-Verona, Pavia, Naples and Milan, IT)
- Risk of arrhythmias in relation to hypoxia in patients with heart failure and chronic obstructive pulmonary disease** P1538
L. Hernandez Urquieta, A. Orea Tejeda, D. Gonzalez, A. Jimenez Valentin, A.J. Flores Vargas, A. Ibarra Fernandez, R. Davila Ramos, R. Hernandez Zenteno, R. Perez Padilla, R. Sanchez Santillan, K. Balderas Munoz, V. Pelaez Hernandez (Mexico city, MX)
- Efficacy of cardiac resynchronization therapy at severe chronic heart failure** P1539
B.A. Akhyt, R.R. Rekvava, K.M. Koshumbayeva, R.T. Kuanyshbekova (Almaty, KZ)
- Super responders to cardiac resynchronization therapy- A terciary centre experience** P1540
A. Briosa, A. Marques, A.R. Pereira, S. Alegria, D. Sebaiti, A.C. Gomes, R. Miranda, S. Almeida, L. Brandao, H. Pereira (Lisbon, PT)
- Bachmanns bundle pacing combined with his bundle pacing a new approach to reverse cardiac remodeling** P1541
P. Wolff, P. Strozik, J.M. Zawadzki, A. Gajek, D. Zysko, A. Cieslieski, A. Slawuta, J. Gajek (Wroclaw and Klodzko, PL)
- Responders and non-responders after cardiac contractility modulation in patients with chronic heart failure and narrow QRS.** P1542
D. Losik, V. Shabanov, U. Verstuk, E. Fisher, I. Mikheenko, I. Peregudov, E. Morzhanaev, N. Elemesov, A. Filippenko, E. Pokushalov, A. Romanov (Novosibirsk, RU)
- Day-case implant of complex pacing devices is safe and preferred by patients; a 4 year experience.** P1543
R. Chattopadhyay, P.A. Chousou, R. Bellanti, A. Marinakis, J. Hayes, K. Sanders, V. Carpenter, H. Hewitt, A. Domingos, M. Virdee, P.J. Pugh (Cambridge, GB)
- PR interval prolongation, still a marker of worse outcome in patients treated cardiac resynchronization therapy patients** P1544
A.M.W. Van Stipdonk, M. Dural, F. Salden, I.A.H. Ter Horst, H.J.G.M. Crijns, F.W. Prinzen, M. Meine, A.H. Maass, K. Vernooy (Maastricht, Utrecht and Groningen, NL; Eskisehir, TR)
- LV only fusion pacing CRT without RV lead: clinical and echocardiographic characteristics of super-response** P1545
C. Vacarescu, L. Petrescu, C.T. Luca, C. Mornos, E.V. Goanta, S. Crisan, D. Cozma (Timisoara and Craiova, RO)
- Baseline characteristics determine long-term outcome to CRT, intermediate endpoints identify those at risk of adverse events.** P1546
A.M.W. Van Stipdonk, M. Ghossein, M. Kloosterman, I.A.H. Ter Horst, F.W. Prinzen, M. Meine, K. Vernooy, A.H. Maass (Maastricht, Groningen and Utrecht, NL)
- Prognostic significance of cardiac sympathetic activity and dyssynchrony in response to cardiac resynchronization therapy** P1547
K. Zavadovskiy, A. Mishkina, M. Gulya, V. Saushkin, D. Lebedev, Y.U. Lishmanov (Tomsk, RU)
- Connection of clinical indicators and various response to cardiac resynchronization therapy in patients with chronic heart failure and atrial fibrillation** P1548
T. Troyanova-Shchutskaya, A. Kurlianskaya, T. Denisevich, D. Goncharik, A. Chasnoyt, O. Shatova (Minsk, BY)
- Normal cardiac autonomic control in good CRT responders is not reliable predictor of future major ventricular arrhythmias in patients with severe heart failure.** P1549
E. Simeonidou, C. Pantisios, G. Giannakakis, J. Parissis, G. Filippatos, E. Iliodromitis (Athens, GR)

Posters Sessions

CHRONIC HEART FAILURE - PATHOPHYSIOLOGY AND MECHANISMS

- Endomyocardial injections of autologous mesenchymal stem cell for treatment the patients with non-ischemic cardiomyopathy** P1550
 A. Kurlianskaya, O. Polonetsky, T. Denisevich, O. Shatova, T. Osmolovskaya, Y. Isaikina, D. Salayou (Minsk, BY)
- Altered number of apoptotic-modified endothelial cells originated micro vesicles predict phenotypes of heart failure** P1551
 A.E. Berezin, A.A. Kremzer, I. Mozos, A.A. Berezin, D. Petrovic (Zaporozhye, UA; Timisoara, RO; Ljubljana, SI)
- The plastics of atrioventricular valve in patients with chronic heart failure and severe left ventricular dysfunction** P1552
 O. Shatova, N. Feaktsistava, A. Kurlianskaya, T. Denisevich, T. Troyanova-Shchutskaya, T. Dubovic (Minsk, BY)
- Population pharmacokinetics and pharmacodynamics of vericiguat in heart failure patients with reduced ejection fraction** P1553
 M. Meyer, H. Ruehs, D. Klein, M. Frei, D. Garmann, J. Grevel, R. Austin, C. Becker, L. Roessig, B. Pieske (Wuppertal and Berlin, DE; Loughborough, GB)
- Slow and steady wins the race- the management of tachycardia induced cardiomyopathy** P1554
 C. Farrell, K. Mcglynn, S. Quinn, A. Slevin, K. Ahmad, J. McLaughlin, L. Rahmani, B. Jasinski, S. David, G. Aleong (Letterkenny, IE)
- Higher levels of ferritin as a predictor of improvement of left ventricular ejection fraction in recent-onset idiopathic dilated cardiomyopathy** P1555
 A. Giraldez Valpuesta, S. Gamaza Chulian, B. Serrano Munoz, F. Zafra Cobos, J. Oneto Otero (Cadiz and Jerez, ES)
- Importance of serum sodium in ischemic heart failure with systolic dysfunction** P1556
 S. Bansal, M. Chaudhary (New Delhi, IN)
- Influence of decompensated heart failure on cardiac acoustic biomarkers: impact on early readmissions** P1557
 J.W. Erath, P. Wanczura, J. Wranicz, A. Linke, A. Keller, U. Rohrer, D. Scherr (Frankfurt am Main and Dresden, DE; Rzeszow and Lodz, PL; Richmond, US; Graz, AT)
- Two-years effect of cardiac contractility modulation on reverse left ventricular remodeling in patients with heart failure and sinus rhythm** P1558
 M.A. Trukshina, E.A. Lyasnikova, V.L. Galenko, M.Y. Sitnikova, T.A. Lelyavina, E.N. Mikhaylov, M.L. Abramov, M.A. Vander, K.V. Simonova, D.S. Lebedev, I.M. Kim, E.V. Shlyakhto (St.Petersburg, RU)
- Gut microbiome and heart failure with reduced ejection fraction in patients with coronary artery disease** P1559
 E. Sawicka, M. Paniczko, M. Lapinska, M. Szpakowicz, Z. Stachurska, P. Lopienski, M. Puchalski, E. Tarasiuk, A. Szpakowicz, P. Sowa, M. Niemira, M. Kwasiewski, J. Bychowski, B. Sobkowicz, K.A. Kaminski (Bialystok, PL)
- Renal sympathetic denervation as a «mini-invasive bridge» to heart transplantation in patients with congestive heart failure and metabolic disorders** P1560
 I. Hrabianiuk, A. Kurlianskaya, L. Rachok, O. Shatova, T. Denisevich, T. Dubovic (Minsk, BY)
- Characteristics of heart failure patients treated with sacubitril/valsartan in the province of Quebec, Canada** P1561
 C. Royer, A. Daoust, J. Fortier, N. Bastien, C. Beauchemin, J. Lachaine (Montreal, CA)
- Latino american experience with Sacubitril/Valsartan in a heart failure unit : Real insight** P1562
 A.L. Rodriguez Pulido, L.G. Gomez Escobar, M.P. Morales Parra, N. Quijano Martinez, A.F. Buitrago Sandoval, G. Gonzalez Robledo (Bogota, CO)
- High-risk percutaneous coronary intervention with mechanical support - Protected PCI. Initial experience** P1563
 J. Belohlavek, T. Kovarnik, D. Zemanek, A. Kral, A. Linhart (Prague, CZ)
- Heart failure hospitalization in patients with reduced ejection fraction in a heart failure clinic** P1564
 D. Seabra, I. Oliveira, A. Neto, A. Andrade, J. Azevedo, P. Pinto (Penafiel, PT)

Posters Sessions

- Correlation of nutritional status with chosen biochemical parameters in patients hospitalized due to heart failure with reduced ejection fraction.** P1565
H. Kryzstofiak, J. Migaj, M. Dudek, E. Straburzynska-Migaj, M. Kaluzna-Oleksy (Poznan, PL)
- Insulin resistance as a predictor of mortality in patients with HFrEF in relation on follow-up duration.** P1566
N. Tkach, L. Voronkov, L. Voronkov (Kiev, UA)
- VO2 recovery delay is a useful predictor for impaired recovery of left ventricular function in heart failure with reduced ejection fraction** P1567
K. Chun, B.J. Kim, J.W. Oh, S.M. Kang (Seoul and Busan, KR)
- Heart failure with mid-range ejection fraction: a distinct entity or rather a transitional phase?** P1568
J. Stassen, J. Verwerf, R. Geukens, P. Dendale, M. Houbrechts, H. Goris, M. Scherrenberg, P.J.R. Timmermans (Hasselt, BE)
- Clinical and echocardiographic phenotypes of patients with postinfarction cardioclerosis: focus on patients with heart failure with mid-range ejection fraction.** P1569
A. Kuular, A. Gamza, V. Tishkova, E. Lyasnikova, A. Vlasenko, A. Kozlenok, M. Sitnikova (Saint-Petersburg, RU)
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Collaborating with a patient organisation to implement a physical activity intervention	P1843
L. Klompstra, A. Stromberg, L. Askenas, J. Aidemark, T. Jaarsma (Linkoping and Vaxjo, SE)	
Ex vivo allograft perfusion for heart transplantation: single centre experience	P1844
A. Mukash, R.B. Kaliyev, Z.H.A. Nurmykhametova, L.R. Faizov, Z.H.Z. Ashyrov, B.K. Zhunussov, T. Kyttybai, N. Utin, G. Nadirbekova, Y.V. Pya (Astana, KZ)	
Development of nursing care protocol to the patient with extracorporeal membrane oxygenation	P1845
T. Maurer, E.N. Souza, A.V. Leao (Porto Alegre, BR)	
The adherence to pharmacological treatment in patients with chronic heart failure	P1846
N. Swiatonowska, A. Szymanska-Chabowska, J. Gajek, B. Jankowska-Polanska (Wroclaw, PL)	
Feeling powerless to deal with thirst in heart failure patients: a qualitative study of health care providers	P1847
J. Ehrlin, T. Jaarsma, S. Hagelberg Eng, V. Diaz, B. Gonzalez, N. Waldreus, C. Rivas, P. Velayos, P. Martin, M. De Antonio, M. Domingo, P. Moliner, E. Santiago-Vacas, J. Lupon, A. Bayes-Genis (Linkoping and Huddinge, SE; Badalona, ES)	
Thirst distress in heart failure outpatients in a Spanish cohort	P1848
S. Hagelberg Eng, J. Ehrlin, B. Gonzalez, V. Diaz, T. Jaarsma, N. Waldreus, C. Rivas, P. Velayos, M. Puertas, M. Cachero, A. Morales, A. Ros, P. Martin, J. Lupon, A. Bayes-Genis (Linkoping and Huddinge, SE; Badalona, ES)	
Effects of person-centred telephone-support on fatigue in people living with chronic heart failure: a randomized trial	P1849
S. Wallstrom, A. Fors, L. Ali, K. Swedberg, I. Ekman (Gothenburg, SE)	
Psychometric evaluation of the polish version of the council on nutrition (CNAQ) and simplified nutritional (SNAQ) appetite questionnaires in a group of patients with chronic heart failure.	P1850
M. Wleklík, M. Lisiak, C. Andreae, I. Uchmanowicz (Wroclaw, PL; Linkoping, SE)	
What HF patients really need. A systematic review and meta-synthesis.	P1851
M. Kyriakou, C. Deaton, A. Samara, K. Philippou, I. Lakatamitou, A. Lambrinou (Limassol, CY; Cambridge, GB)	
Clinical outcome of cardiac resynchronization therapy patients under a multidisciplinary outpatient clinic model	P1852
M. Ferreira, P. Sarmiento, A.F. Carvalho, F. Pousinho, M. Oliveira, F. Farias, R. Ferreira (Lisbon, PT)	

BASIC SCIENCE - ISCHEMIA

Basic Science - Ischemia - Poster Discussant - 10:00-11:00	P1853
Frances Ashcroft (Oxford, GB); Nazha Hamdani (Bochum, DE)	
Polyurethane-based scaffold for cardiac aging studies	P1854
F. Vozzi, M. Cabiati, C. Domenici, N. Vitale, F. Logrand, A. Ahluwalia, I. Carmagnola, G. Ciardelli, S. Del Ry, S. Sartori (Pisa, torino and Turin, IT)	
Lack of macroscopically-evident cardiac regeneration or spontaneous functional recovery in infarcted neonatal pigs	P1855
K. Malliaras, E. Polychronopoulou, I. Poulakida, D. Sagris, K. Makaritsis (Larissa, GR)	
Yes-associated protein (YAP) transcriptional coactivator functions in myocardial infarction	P1856
A. Tsipis, A.M. Athanassiadou, G. Agrogiannis, E. Petrou, P. Athanassiadou, G. Athanassopoulos, N. Kavantzias (Athens, GR)	
Transcriptional response HIF1a and HSP70 to hypoxic stress in myocardial ischemia	P1857
A. Tsipis, A.M. Athanassiadou, G. Agrogiannis, E. Petropoulou, P. Athanassiadou, G. Athanassopoulos, N. Kavantzias (Athens, GR)	
Association rs619203 polymorphism of a ROS1 gene development of an ischemic stroke in patients with an arterial hypertension	P1858
A. Chernova, S. Nikulina, D. Nikulin, I. Platunova, O. Marylovceva, A. Semenchukov, S. Tretyakova (Krasnoyarsk, RU)	

Posters Sessions

- Characterization of a novel closed chest model of ischemic mitral regurgitation in pigs** P1859
 O. Hamza, A. Kiss, A.M. Kramer, S. Trojanek, K.E. Tillmann, I. Goncalves, V. Tretter, D. Abraham, U.K. Klein, B.K. Podesser (Vienna, AT)
- Association of titin truncating variants with adverse course of HFrEF in patients with postinfarction atherosclerosis.** P1860
 A. Kiselev, E. Lysanikova, A. Kuular, O. Lebedenko, V. Tishkova, A. Muraviev, Y. Vahrushev, M. Sitnikova, A. Kostareva (Saint Petersburg, RU)
- Cannabinoid-sensitive receptor GPR55 deficiency impairs wound healing kinetics and aggravates remodelling post myocardial infarction** P1861
 S.L. Puhl, M. Hilby, S. Steffens (Munich, DE)

BASIC SCIENCE - CARDIOMYOPATHIES 1

- Basic Science - Cardiomyopathies - Poster Discussant - 10:00-11:00.** P1862
 Dana Dawson (Aberdeen, GB)
- A novel peptide agonist of galanin receptors reduces doxorubicin-induced heart failure in rats** P1863
 R.O. Lyubimov, I.M. Studneva, M.E. Palkeeva, A.A. Molokoedov, A.V. Prosvirnin, O.M. Veselova, M.V. Ovchinnikov, O.A. Mokhi Eddin, M.V. Sidorova, O.I. Pisarenko (Moscow, RU)
- Impact of glutathione S-transferase M1, T1 and P1 gene polymorphisms on the chronic heart failure** P1864
 N. Jankovic, V. Coric, S. Suvakov, D. Simic (Belgrade, RS)
- Murine Experimental Autoimmune Myocarditis (EAM) is associated with LV hypertrophy but not with reduced LV systolic function** P1865
 M. Mirna, V. Paar, T. Kraus, K. Sotlar, B. Wernly, R. Pistulli, M. Lichtenauer (Salzburg, AT; Münster, DE)
- Role of innate immune mediators in cardiac damage induced by Doxorubicin in vitro** P1866
 J. Gambardella, A. Fiordelisi, M. De Rosa, M. Ciccarelli, B. Trimarco, G. Iaccarino, D. Sorriento (Naples and Salerno, IT)
- Genetics and Histopathology Features of Noncompaction Cardiomyopathy in heart transplant individuals** P1867
 S. Liu, Y. Xie, H. Zhang, Y. Wei (Beijing, CN)
- Progression of cardiac and vascular dysfunction in a mouse model of Duchenne muscular dystrophy** P1868
 P.L. Szabo, O. Hamza, M. Inci, K. Hilber, J. Ebner, B.K. Podesser, A. Kiss (Vienna, AT)
- Inhibition of cardiac lymphangiogenesis in imatinib-induced cardiomyopathy** P1869
 K. Urbanek, D. Madeddu, S. Cavalli, C. Frati, A. Falco, B. Lorusso, D. Cappetta, L. Berrino, A. De Angelis, F. Quaini (Naples and Parma, IT)
- Proarrhythmic interaction of Nav1.8 and CaMKII in human heart failure** P1870
 P. Tirilomis, S. Ahmad, P. Bengel, S. Pabel, N. Dybkova, L. Maier, K. Streckfuss-Boemeke, G. Hasenfuss, S. Sossalla (Göttingen and Regensburg, DE)

BASIC SCIENCE - CARDIOMYOPATHIES 2

- Basic Science - Cardiomyopathies - Poster Discussant 10:00-11:00.** P1871
 Tomasz Guzik (Glasgow, GB)
- The novel role of calmodulin regulation on myofilament function: calmodulin-myosin interaction discovered** P1872
 V. Sequeira, N.H. Hamdani, E.B. Bertero, S.C. Conijn, C.O. Ottenheijm, J.V.D.V. Van Der Velden, C.M. Maack, C.J. Johnson (Wurzburg and Bochum, DE; Amsterdam, NL; Nashville, US)
- Arrhythmogenic cardiomyopathy in a dish based on patient specific induced pluripotent stem cells** P1873
 A. Moreau, A. Janin, A.C. Meli, C. Valla, A. Charrabi, A. Faucherre, C. Jopling, S. Richard, A. Mejat, P. Chevalier (Montpellier and Lyon, FR)
- Sera from myocarditis patients caused iron depletion in cultured human cardiomyocytes** P1874
 K.A. Kobak, J. Schubert, M. Dziegala, M. Kasztura, P. Franczuk, M. Drozd, K. Kulej-Lyko, J. Bania, P. Ponikowski, E.A. Jankowska (Wroclaw, PL)

Posters Sessions

- Mir-146a plasma levels are increased in patients with hypertrophic cardiomyopathy** P1875
D. Ntelios, G.K. Efthymiadis, S. Meditskou, T. Zegkos, D. Parcharidou, H. Karvounis, G. Tzimagiorgis (Thessaloniki, GR)
- Reactivation of fetal gene program, cardiomyocyte dedifferentiation and hypertrophy in heart failure** P1876
T. Kulikova, O. Stepanova, A. Voronova, M. Valikhov, I. Zhironov, V. Masenko, A. Samko, S. Tereshchenko, I. Reshetov, G. Sukhikh (Moscow, RU)
- Myocardial perfusion disturbance in the development of chronic Chagas cardiomyopathy** P1877
L.F.L. Oliveira, J.T. Thackeray, D.M. Tanaka, J.A. Marin-Neto, M.M.D. Romano, E.E.V. Carvalho, J. Mejia, C. Malamut, F.M. Bengel, S.G. Nekolla, M.V. Simoes (Ribeirao Preto, Sao Paulo and Belo Horizonte, BR; Hannover and Munich, DE)
- Oxidative sensitivity of sarcomeric titin isoforms gradually decline during cardiac development** P1878
B. Bodi, E. Pasztorne Toth, L. Martha, A. Kovacs, A. Toth, Z. Papp (Debrecen, HU)
- A novel phospholamban p.Arg14del cardiomyopathy mouse line treated with heart failure medication** P1879
T.R. Eijgenraam, E.M. Schouten, A.C.D.I. Gehlken, M.M. Dokter, H.H.W. Sillje, R.A. De Boer (Groningen, NL)
- MicroRNAs expression in hypertrophic cardiomyopathy patients.** P1880
G.A. Shakaryants, M.V. Kozhevnikova, V.Y. Kaplunova, E.V. Privalova, Y.U.N. Belenkov, S.S. Osipova (Moscow, RU)
- The altered expression of autophagy-related genes participates in heart failure: NRBP2 and CALCOCO2 decrease left ventricular function in human dilated cardiomyopathy** P1881
E. Rosello-Lleti, C. Gil-Cayuela, A. Lopez, L. Martinez-Dolz, J.R. Gonzalez-Juanatey, F. Lago, M. Portoles (Valencia and Santiago de Compostela, ES)
- Identification of RAF1 gene mutations in Hungarian patients with hypertrophic cardiomyopathy** P1882
L. Hategan, M. Katona, A. Tringer, B. Csanyi, J. Borbas, V. Nagy, Z. Hegedus, I. Nagy, T. Forster, R. Sepp (Szeged and Morahalom, HU)
- A risk prediction score for early-medium term adverse events in patients with infective endocarditis** P1883
A.R. Pereira, A. Briosas, I. Cruz, A. Marques, A.L. Broa, S. Alegria, A.C. Gomes, A.R. Almeida, H. Pereira (Almada, PT)
- Air pollution on myocardial remodeling in acute phase of Chagas disease in experimental model.** P1884
K. Fonseca, F.G. Pessoa, C. Mady, V.T. Hotta, O.N. Ribeiro, F. Fernandes, B.M. Ianni, P.H.N. Saldiva, F.J.A. Ramires (Sao Paulo, BR)
- Cardiomyocyte-specific STAT3 deficiency alters the epigenetic program of cardiac progenitor cells from endothelial towards adipocyte priming** P1885
E. Stelling, M. Ricke-Hoch, A.K. Bergmann, S. Erschow, M. Scherr, S. Hoffmann, J.-L. Balligand, D. Hilfiker-Kleiner (Hannover and Jena, DE; Brussels, BE)
- RBM20 missense variant presenting as acute myocarditis and postpartum cardiomyopathy.** P1886
A. Kiselev, T. Vershinina, L. Butish, P. Fedotov, Y.U. Fomicheva, A. Kozyreva, Y.U. Vakhrushev, A. Latypov, A. Morozov, A. Kozyrev, E. Vasichkina, T. Pervunina, A. Kostareva, A. Kostareva (St. Petersburg, RU)
- A rare case of Prader-Willi syndrome presenting with heart failure due to dilated cardiomyopathy** P1887
A. Zlotina, O. Melnik, T. Vershinina, Y. Fomicheva, A. Kozyreva, L. Butish, T. Pervunina, E. Vasichkina, A. Kostareva (Saint-Petersburg, RU)
- Polymorphisms in the CYP11B2 and AGT genes related to the renin-angiotensin-aldosterone system and their correlation with ischemic and non-ischemic phenotypes in patients with chronic heart failure.** P1888
R. Mourilhe Rocha, G. Rodrigues, F.N. Albuquerque, G.S. Duque, Y. Rollemberg, D.C. Albuquerque, D.A. Silva (Rio de Janeiro, BR)
- Investigation of atrial remodeling induced by exercise training in a rodent model of athletes heart** P1889
A. Olah, B.A. Balint, A.A. Sayour, E. Urban, E. Virag-Tulassay, M. Ruppert, B. Merkely, T. Radovits (Budapest, HU)
- Human cardiac precursor cell secreted exosomes improved cardiac function of cardiomyopathic myocytes** P1890
Y.Y.L. Li, W. Chen (Taipei, TW)

Posters Sessions

CLINICAL CASES

- A curious case of syncope in an implantable cardioverter defibrillator patient.** P1891
J. Stassen, D. Dilling-Boer, J. Vijgen, P.J.R. Timmermans (Hasselt, BE)
- Impact of ICD implantation and PVI in patient with Isolated left ventricular apical hypoplasia accompanied by left ventricular noncompaction** P1892
V.I. Skidan, Y.U. Aseeva, H.A. Bsharat, A.A. Avyasov, T.V. Musurivskaya (Khabarovsk, RU)
- Atrial and atrioventricular resynchronization therapy bachmanns bundle and his bundle pacing** P1893
P. Wolff, P. Strozik, J.M. Zawadzki, A. Gajek, E. Sonntag, D. Zysko, A. Ciesielski, A. Slawuta, J. Gajek (Wroclaw and Klodzko, PL)
- Bundle branch reentrant tachycardia treated with cardiac resynchronization therapy in a patient with dilated cardiomyopathy** P1894
P. Koudounis, M. Agelaki, A. Christou, P. Manolakou, P. Serafeim, D. Tagoulis, P. Lagadinos, A. Papadaki, A. Papadopoulos, P. Fragkou, T. Zografos, I. Tsiafoutis, N. Bourmpoulis, K. Flessa, A. Katsivas (Athens, GR)
- Acute myocarditis in a young patient after hypoxic gases exposure** P1895
C. Margineanu, E.L. Antohi, R. Radu, E. Stoica, I.-D. Kulcsar, O. Geavlete, P. Platon, C. Macarie, O. Chioncel (Bucharest, RO)
- Rapid recovery of myocardial dysfunction in an oncologic patient** P1896
M. Emmanouilidou, A. David- Cojocariu, L. Jahjah, A. Deleporte, P. Unger (Brussels, BE)
- Heart failure in a hypertrophic cardiomyopathy phenotype with an unknown genetic mutation: a new aggressive variant?** P1897
S. Gentile, M. Scigliano, C. Di Filippo, S. Del Pace, R. Marcucci (Florence, IT)
- Primary systemic amyloidosis, a rare cause of congestive heart failure** P1898
C.I. Radulescu, A. Covaliou, M. Alexandrescu, A. Jercan, S. Badelita (Bucharest, RO)
- Clinical presentation of a novel pathogenic variant in MYBPC3 gene** P1899
D. Balkute, D. Silinskiene, J. Simonavicius, V. Maneikiene, V. Mikstiene, E. Preiksaitiene, R. Norvilas, J. Celutkiene, A. Laucevicius (Vilnius, LT)
- Combination of novel pathogenic variants in sarcomeric proteins genes and GLA gene in relatives with hypertrophic cardiomyopathy** P1900
E. Sadauskiene, I. Eitaviciute, L. Venceviciene, J. Barysiene, Z. Petrulioniene, K. Vencevicius (Vilnius, LT)
- Left ventricular hypertrophy in young man with stroke and end stage renal failure** P1901
A. Siama, S. Giannitsi, T. Manolaki, A. Tsoukas, A.J. Manolis (Athens, GR)
- A rare case report of binodal disease as a presentation of hypertrophic cardiomyopathy** P1902
K.F.C. Li, E.M. Lee, D. Foo (Singapore, SG)
- Two cardiomyopathies in one clinical case** P1903
M. Rabai, L. Czopf, L. Toth, K. Toth, T. Habon (Pecs, HU)
- Hypertrophic cardiomyopathy and dynamic left ventricular outflow tract obstruction, a possible pathophysiological mechanism of injury in takotsubo cardiomyopathy.** P1904
H. Zaw, S. Fawaz, O. Dhillon (Chelmsford, GB)
- A Case of a Pendulum Heart** P1905
A. El Gohary (Giza, EG)
- Chicken or egg? A case of tako-tsubo cardiomyopathy and spontaneous coronary dissection** P1906
S. Jogani, P.S.R. Timmermans, P. Koopman, P.J.R. Timmermans (Hasselt, BE)
- Implantation of the left ventricular epicardial lead complicated by stenosis of the left internal thoracic artery graft over 7 years** P1907
N. Nishiyama, C. Komiyama, Y. Isonaga, H. Fujiwara, M. Morise, T. Yamada, A. Haima, Y. Tomita, Y. Fujimoto, T. Kodama (Tokyo, JP)
- A 39-year-old childbearing potential woman in lactation period suffering from STEMI.** P1908
I.A. Mezhiievska, V.I. Maslovskiy, I.I. Leta, Y.V. Maslovskiy (Vinnitsa, UA)
- Interventricular septal rupture treated by percutaneous device closure** P1909
E.-L. Antohi, R.I. Radu, O.D. Geavlete, I. Marinica, D. Deleanu, L. Predescu, C. Macarie, O. Chioncel (Bucharest, RO)

Posters Sessions

- Impact of intracoronary injection of bone marrow on CMR derived myocardial strain 12 months after myocardial infarction** P1910
 M. Gastl, J. Von Spiczak, A. Gotschy, D. Suerder, R. Corti, S. Kozerke, F. Ruschitzka, R. Manka (Zurich and Lugano, CH)
- Paget disease of the bone associated with severe acute reduced heart failure: a case report** P1911
 E.J.J. Chuquiure, M. Balbuena-Madera, C. Garcia-Romero, C. Silva-Ruz, G. Raymundo-Martinez, E. Tapia-Lopez, O. Fiscal-Lopez (Mexico City, MX)
- Acute chagas cardiomyopathy in a 40-yo Mexican with very reduced LVEF: a case report** P1912
 E.J.J. Chuquiure, D. Garcia-Romero, M. Balbuena-Madera, C. Silva-Ruz, G. Raymundo-Martinez, L. Medina-Paz, E. Tapia-Lopez, O. Fiscal-Lopez (Mexico City, MX)
- Hepatitis or heart attack? A rare presentation of acute heart failure** P1913
 M. Ghosh, Z. Khaliq, A. Vazir (London, GB)
- Ventricular septal defect after acute myocardial infarction-a clinical case** P1914
 A. Brios, S. Alegria, D. Sebaiti, A.R. Pereira, A. Marques, A.C. Gomes, R. Miranda, H. Pereira (Lisbon, PT)
- Acute pulmonary edema due to influenza A (H1N1) co-infected with aspergillosis** P1915
 W. Yu (Tainan, TW)
- Acute myocardial injury due to Influenza co-infected with Klebsiella pneumoniae and Aspergillosis** P1916
 Y.A. Ho, W. Yu (Tainan, TW)
- Striking reduction of a giant intracavitary thrombus in a 46-yo male with heart failure with very reduced ejection fraction due to myocarditis: a case report.** P1917
 E.J.J. Chuquiure, M. Balbuena-Madera, D. Garcia-Romero, C. Silva-Ruz, E. Tapia-Lopez, O. Fiscal-Lopez (Mexico City, MX)
- A case of complicated acute aortic dissection** P1918
 A. Arregui Lopez, A.E.M. Ane Elorriaga Madariaga, A.A.M. Abel Andres Morist, I.E.R. Irene Maria Elizondo Rua, I.B.M. Idoia Bravo Martinez, G.A.B. Gorka Aurrekoetxea Bajeneta, R.S.M. Jesus Roberto Saez Moreno (Bilbao and San Sebastian, ES)
- Polyserositis post influenza vaccination, presented as acute heart failure** P1919
 I. Rosenfeld, T. Levins, I. Nordkin, S. Dabbah, M. Halabi (Safed, IL)
- Miscellaneous clinical manifestations of an intracardiac tumour** P1920
 I. Cabac-Pogorevici, V. Revenco (Chisinau, MD)
- Infective endocarditis complicated with heart failure - when everything goes wrong** P1921
 S. Nowak, W. Kula, G. Sobieszek, B. Olajossy, N. Jurzak-Mysliwy, J. Sadowski (Lublin and Krakow, PL)
- Broken heart syndrome: a challenging diagnosis** P1922
 A.F. Cardoso, G. Dias, P. Von Hafe, B. Faria, M. Fernandes, F. Almeida, I. Machado, A. Lourenco (Guimaraes, PT)
- Tachycardiomyopathy and subclinical hyperthyroidism: when should antithyroid treatment be given? a case report** P1923
 A.L. Rodriguez, D.P. Diaz, S.A. Prieto, A.F. Buitrago, Y. Cardenas (Bogota, CO)
- An unusual case of myocarditis** P1924
 I. Andrikou, I. Leontsinis, E. Sfendouraki, C. Danelatos, D. Syrseoudis, I. Skiadas, I. Babatseva Vagena, A. Androulakis, D. Vassilopoulos, C. Avgeropoulou, I. Kallikazaros (Athens, GR)

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Morning Sessions

08:30 - 10:00

RAPID FIRE ABSTRACTS

AGORA 2

Rapid Fire 7 - Improving our insights: biomarkers, imaging, scores

Chairperson(s): L. Gargani (Pisa, IT)

- | | | |
|-------|--|------|
| 08:30 | Multiple patterns of left ventricular diastolic function and its determinants in cardiac amyloidosis: an updated evaluation according to ASE/EACVI 2016 guidelines | 1925 |
| | S. Oghina, W. Bougouin, M. Kharoubi, A. Galat, S. Guendouz, M. Bezaud, F. Le Bras, J.F. Deux, E. Itti, V. Plante-Bordeneuve, A. Mokteffi, P. Fanen, E. Teiger, T. Damy, D. Bodez (Creteil and Massy, FR) | |
| 08:36 | High prevalence of cancer in patients with peripartum cardiomyopathy and potential pathophysiological connections | 1926 |
| | T.J. Pfeffer, S. Schlothauer, S. Pietzsch, M. Schaufelberger, K. Sliwa, C. Falk, S. Haidari, M. Ricke-Hoch, E. Stelling, D. Berliner, V. Abou-Moulig, T. Koenig, J. Bauersachs, D. Hilfiker-Kleiner (Hannover, DE; Gothenburg, SE; Cape Town, ZA) | |
| 08:42 | After initial improvement, left ventricular ejection fraction remains stable in long-term survivors with dilated cardiomyopathy | 1927 |
| | K. Broch, A. Knutsen, E.K. Sekne, K. Murbraech, A.K. Andreassen, S. Aakhus, L. Gullestad (Oslo and Trondheim, NO) | |
| 08:48 | Clinical utility of the IMPACT score for mortality prediction after heart transplantation: external validation study. | 1928 |
| | C. Ortiz-Bautista, J. Muniz Garcia, F. Gonzalez-Vilchez, J. Segovia Cubero, M.G. Crespo-Leiro, R. Lopez-Viella, J. Gonzalez-Costello, E. Roig Minguel, J.M. Arizon Del Prado, J.M. Sobrino Marquez, I.P. Garrido Bravo, J.F. Delgado Jimenez (Madrid, A Coruña, Santander, Valencia, Barcelona, Cordoba, Sevilla and Murcia, ES) | |
| 08:54 | Genetic risk prediction of atrial fibrillation in a contemporary heart failure cohort | 1929 |
| | M. Kloosterman, B.T. Santema, C. Roselli, A.L. Koekemoer, S.P.R. Romaine, C.P. Nelson, I.C. Van Gelder, C.S.P. Lam, P. Van Der Harst, I.E. Sama, D.J. Van Veldhuisen, A.A. Voors, N.J. Samani, M. Rienstra (Groningen, NL; Boston, US; Leicester, GB) | |
| 09:00 | Long-term left ventricular ejection fraction trajectory in diabetic patients: is there any difference? | 1930 |
| | M. De Antonio, J. Lupon, G. Gavidia-Bovadilla, N. Alonso, M. Domingo, P. Moliner, E. Santiago-Vacas, E. Zamora, J. Santesmases, V. Diaz, B. Gonzalez, C. Diez-Quevedo, J. Nunez, M.I. Troya, A. Bayes-Genis (Badalona, Barcelona and Valencia, ES) | |
| 09:06 | Concentric versus eccentric remodeling in heart failure with reduced ejection fraction: clinical characteristics, pathophysiology and response to treatment | 1931 |
| | J.F. Nauta, Y.M. Hummel, W. Ouwerkerk, J. Tromp, X. Jin, C.S.P. Lam, P. Van Der Meer, S.D. Anker, M. Metra, K. Dickstein, C.C. Lang, J. Bax, D.J. Van Veldhuisen, J. Van Melle, A.A. Voors (Groningen and Leiden, NL; Singapore, SG; Berlin, DE; Brescia, IT; Bergen, NO; Dundee, GB) | |
| 09:12 | Risk of readmission and death in patients admitted with new-onset versus worsening heart failure: insights from a nationwide cohort | 1932 |
| | J.H. Butt, E.L. Fosbol, C. Andersson, T.A. Gerds, J.J.V. McMurray, M.C. Petrie, F. Gustafsson, C. Madelaire, S.L. Kristensen, G.H. Gislason, C. Torp-Pedersen, L. Kober, M. Schou (Copenhagen, Hellerup, Aalborg and Herlev, DK; Glasgow, GB) | |
| 09:18 | ¹⁸F-Flutemetamol PET/MR imaging of cardiac amyloidosis | 1933 |
| | M. Papathanasiou, L. Kessler, C. Rischpler, K. Herrmann, A. Carpinteiro, T. Hagenacker, T. Rassaf, P. Luedike (Essen, DE) | |
| 09:24 | Risk of stroke in patients with chronic heart failure and sinus rhythm: clinical prediction model based on the Swedish heart failure (Swede-HF) registry | 1934 |
| | A. Uijl, I. Vaartjes, F.W. Asselbergs, A.W. Hoes, U. Dahlstrom, G. Savarese, S. Koudstaal, L.H. Lund (Utrecht, NL; Linkoping and Stockholm, SE) | |

TUESDAY

Tuesday 28 May 2019

Morning Sessions

08:30 - 10:00	RAPID FIRE ABSTRACTS	AGORA 2
09:30	High prevalence of progression of structural and functional abnormalities in a cohort at -risk for heart failure. Report from the STOP HF cohort. M. Ferre-Vallverdu, R.B. Pharithi, E.O.connell, M. Ledwidge, J. Gallagher, C. Watson, K. Mcdonald (Dublin, IE)	1935
09:36	Validation of the HFA-PEFF-score for the diagnosis of heart failure with preserved ejection fraction A. Barandiaran Aizpurua, S. Sanders-Van Wijk, H.P. Brunner-La Rocca, M. Henkens, S. Heymans, L. Beussink-Nelson, S.J. Shah, V.P.M. Van Empel (Maastricht, NL; Chicago, US)	1936
09:42	Predictive utility of high-sensitivity troponin-T for new-onset heart failure is higher in women than in men N. Suthahar, L.M.G. Meems, D.J. Van Veldhuisen, J.E. Walter, R.T. Gansevoort, P. Van Der Harst, J.E. Kootstra-Ros, C. Mueller, S.J.L. Bakker, R.A. De Boer (Groningen, NL; Basel, CH)	1937
09:48	Evaluation of creatinine based methods for estimating glomerular filtration rate in heart failure A. Jonsson, I. Viklund, A. Jonsson, F. Valham, E. Berghdal, K. Lindmark, H. Norberg (Umea, SE)	1938
09:54	Soluble suppression of tumorigenicity-2 in cardiac amyloidosis, hypertrophic and dilated cardiomyopathy V. Castiglione, N. Ghionzoli, A. Aimo, L. Teresi, C. Prontera, S. Masotti, C. Grigoratos, D. Genovesi, A. Barison, G. Todiere, G.D. Aquaro, C. Passino, M. Emdin, G. Vergaro (Pisa, IT)	1939

08:30 - 10:00	SPECIAL SESSION	LAMBRAKIS
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Parade of devices 2: attend and learn



Chairperson(s): P. Vardas (Athens, GR); S. Anker (Berlin, DE)

08:30	Autonomic modulation. P. Ponikowski (Wroclaw, PL)	1940
08:42	Renal denervation. C. Tsioufis (Athens, GR)	1941
08:55	Phrenic nerve stimulation. W. Abraham (Columbus, US)	1942
09:08	Decongestive therapy. P. Rossignol (Vandoeuvre Les Nancy, FR)	1943
09:21	Mitral valve interventions. G. Dangas (New York, US)	1944
09:34	Tricuspid valve interventions. R.S. Von Bardeleben (Mainz, DE)	1945
09:47	Ventricular reshaping targeting the ventricle and the annulus. H. Sievert (Frankfurt, DE)	1946

Tuesday 28 May 2019

Morning Sessions

08:30 - 10:00 SYMPOSIUM IONIAN SEA

Heart failure in cardiomyopathies: differences in diagnosis and management

Chairperson(s): A. Anastasakis (Athens, GR); F. Schoenrath (Berlin, DE)

08:30	Dilated cardiomyopathy: what's new? P. Seferovic (Belgrade, RS)	1947
08:48	Hypertrophic cardiomyopathy: clinical phenotypes. C. Tschoepe (Berlin, DE)	1948
09:06	Restrictive and infiltrative cardiomyopathy: amyloidosis and sarcoidosis. C. Rapezzi (Bologna, IT)	1949
09:24	Fabry disease. A. Keren (Tel Aviv, IL)	1950
09:42	Left ventricular non compaction. M. Noutsias (Halle (Saale), DE)	1951

08:30 - 10:00 SYMPOSIUM SKALKOTAS

Heart transplantation: everything you need to know

Chairperson(s): J. Parameshwar (Cambridge, GB); S. Adamopoulos (Athens, GR)

08:30	Up-to-date indications and proper timing. T. Ben Gal (Ramat Hasharon, IL)	1952
08:52	The immunosuppressive drugs. A. Zuckermann (Vienna, AT)	1953
09:15	A multidisciplinary approach to the long-term follow-up. R. Starling (Cleveland, US)	1954
09:37	Future perspectives in heart transplantation. J. Rogers (Durham, US)	1955

08:30 - 10:00 SYMPOSIUM AEGEAN SEA

Clinical approach to cardio-oncological patient

Chairperson(s): Y. Belenkov (Moscow, RU); C. Bucciarelli-Ducci (Bristol, GB)

08:30	Early detection of cardio-toxicity: the role of imaging. T. Lopez Fernandez (Madrid, ES)	1956
08:48	Early detection of cardio-toxicity: the role of biomarkers. D. Cardinale (Milan, IT)	1957
09:06	Prevention of cardiotoxicity. K. Keramida (Athens, GR)	1958
09:24	Medical Interventions. R. De Boer (Groningen, NL)	1959
09:42	How to start a cardio-oncology service. A. Lyon (London, GB)	1960

TUESDAY

Morning Sessions

10:00 - 11:00

CLINICAL CASE POSTERS

MODERATED POSTER AREA

Clinical Case Corner 6 - From inflammation to infiltration

Chairperson(s): A. Keren (Tel Aviv, IL)

- | | | |
|-------|---|------|
| 10:00 | Fulminant eosinophilic myocarditis: a rare initial presentation of churg-strauss syndrome | 1961 |
| | P. Lopes, B. Rocha, G. Cunha, S. Ranchordas, C. Albuquerque, A. Ferreira, J. Ferreira, C. Aguiar, M. Trabulo, S. Ramos, J.P. Neves, M. Mendes (Carnaxide, PT) | |
| 10:06 | Acute ischemic stroke as the sole manifestation of reversible cardiac dysfunction in a patient with systemic lupus erythematosus | 1962 |
| | A.M. Chitroceanu, R.A. Radu, N. Patrascu, A.I. Nicula, D. Vinereanu (Bucharest, RO) | |
| 10:12 | Influenza b-induced refractory cardiogenic shock, treated with temporary ecmo support | 1963 |
| | A.H. Yamac (Istanbul, TR) | |
| 10:18 | Myocarditis in Antisynthetase Syndrome: an infrequent association | 1964 |
| | C. Goena, L. Quintas, C. Gonzalez De Echevarri, I. Lluís, R. Garcia, J.M. Goiri, I. Royo, G. Ruiz Irastorza (Mendaro, Barakaldo and Donostia, ES) | |
| 10:24 | Acute heart failure in young male with body dysmorphic disorder: heroin induced myocarditis. | 1965 |
| | V.E. Vallejo Garcia, G. Barreira De Sousa, S. Merchan Gomez, I. Toranzo Nieto (Salamanca, ES) | |
| 10:30 | Intra-cardiac aspergilloma in a normally structured heart: a case report | 1966 |
| | S. Salari (Shiraz, IR) | |
| 10:36 | Exudative-constrictive pericarditis in association with arthritis: toracoscopic biopsy as the only way to diagnosis and treatment | 1967 |
| | O.V. Blagova, I.N. Alijeva, A.V. Nedostup, P.V. Sencichin, E.A. Kogan, V.D. Parshin (Moscow, RU) | |
| 10:42 | A mutant Thr95Ile ATTR cardiac amyloidosis with polyneuropathy | 1968 |
| | K. Chun, J. Oh, K. Kim, S.M. Kang (Seoul, KR) | |
| 10:48 | Direct confirmation of suspected hereditary ATTR by genetic sequencing | 1969 |
| | A. Nossikoff, N. Koleva, G. Lazarova, B. Slavchev, T. Donova (Sofia, BG) | |
| 10:54 | Rapidly progressive heart failure symptoms in a patient with amyloid cardiomyopathy caused by rare Glu89Lys TTR mutation | 1970 |
| | M. Gawor, M. Franaszczyk, P. Michalek, M. Marczak, J. Wnuk, J. Grzybowski (Warsaw, PL) | |

10:00 - 11:00

MODERATED POSTERS

MODERATED POSTER AREA

Moderated Poster Session: Everlasting questions, new answers

Chairperson(s): S. Di Somma (Roma, IT); B.A. Popescu (Bucharest, RO); M Subramanian (Chennai, IN)

- | | | |
|-------|--|------|
| 10:00 | Determinants of right ventricular dyssynchrony in patients with heart failure: combined gated blood-pool SPECT and invasive hemodynamic study | 1971 |
| | L. Monzo, M. Tupy, K. Chytra, N. Solar, J. Ters, L. Mlateckova, J. Kautzner, K. Sedlacek, V. Melenovsky (Rome, IT; Prague, CZ) | |
| 10:06 | Early stages of heart failure in obese patients are associated with natriuretic peptide deficiency and lack of overall neurohormonal activation | 1972 |
| | F.S. Gaborit, C. Kistorp, T. Kumler, C. Hassager, N. Iversen, P. Kamstrup, J. Faber, L. Kober, M. Schou (Herlev, Copenhagen and Hillerod, DK) | |
| 10:12 | Frailty evaluation in patients with chronic heart failure - A comparison of screening vs assessment tools | 1973 |
| | S. Sze, P. Pellicori, J. Zhang, J. Weston, A.L. Clark (Leicester, Glasgow, Cambridge and Hull, GB) | |
| 10:18 | Evaluation of malnutrition using 6 screening tools in patients with chronic heart failure. | 1974 |
| | S. Sze, P. Pellicori, J. Zhang, J. Weston, A.L. Clark (Leicester, Glasgow, Cambridge and Hull, GB) | |

Tuesday 28 May 2019

Morning Sessions

10:00 - 11:00	MODERATED POSTERS	MODERATED POSTER AREA
10:24	Sex-based differences in heart failure across the ejection fraction spectrum: phenotyping, prognostic and therapeutic implications D. Stolfo, A. Uijl, O. Vedin, A. Stromberg, U.L. Faxen, G. Rosano, G. Sinagra, U. Dahlstrom, G. Savarese (Stockholm, Uppsala and Linkoping, SE; Rome and Trieste, IT)	1975
10:30	Right ventricular to pulmonary artery coupling and risk of recurrent admissions in heart failure with preserved ejection fraction E. Santas, P. Palau, M. Guazzi, R. De La Espriella, M. Amiguet, M. Soler, J. Gonzalez, A. Mollar, F.J. Chorro, J. Nunez (Valencia and Castellon, ES; Milan, IT)	1976
10:36	Myocardial perfusion mapping in cardiac amyloidosis- Unearthing the spectrum from infiltration to ischaemia L. Chacko, T. Kotecha, A. Martinez, J. Brown, C. Little, D. Knight, A. Steriotis, P. Hawkins, J. Gillmore, R. Rakhit, T. Lockie, N. Patel, H. Xue, P. Kellman, M. Fontana (London, GB; Bethesda, US)	1977
10:42	Relationship between diastolic dysfunction and cognitive impairment in patients with CAD and HFpEF O. Nudchenko, I. Vivsyanik, L. Yakovenko, C. Faradzh, M. Dolzhenko (Kiev, UA)	1978
10:48	Outcome of subsequent pregnancies in women with a history of peripartum cardiomyopathy at contemporary. S. Goland, L. Zilberman, I. Fugenfirov, E. Vaisbuh, J. George (Rehovot, IL)	1979
10:54	Cardiac arrhythmias at baseline predict a clinically relevant genetic yield in idiopathic non-familial DCM affecting long-term outcome J.A. J. Verdonshot, M.T.H.M. Henkens, A.G. Raafs, P. Wang, J.J. Merken, G.R.F. Claes, E.K. Vanhoutte, A. Wijngaard Van Den, I.P.C. Krapels, H.G. Brunner, M.R. Hazebroek, S.R.B. Heymans (Maastricht, NL)	1980

10:00 - 11:00	HOW-TO SESSION	VIRTUAL CASE AREA
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Virtual case 6 - Heart transplantation in a HIV-positive patient

Chairperson(s): Chairperson(s): M. Drozd (Wroclaw, PL); L. Sebbag (Lyon, FR)

A 55-year old man with HIV infection, a three vessel coronary , impaired left ventricular ejection fraction and severe functional mitral regurgitation was admitted to hospital. Despite an optimisation of pharmacotherapy, cardioverter-defibrillator and mitraclip implantation, the patient remained severely symptomatic.

11:00 - 12:30	SPECIAL SESSION	LAMBRAKIS
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Heart Failure 2019 Highlights



SPECIAL SESSION

Chairperson(s): G. Filippatos (Athens, GR); A. Coats (Coventry, GB); G.M.C. Rosano (London, GB)

11:00	Basic and translational science. T. Thum (Hannover, DE)	1981
11:15	Biomarkers and imaging. C.E. Mueller (Basel, CH)	1982
11:30	Chronic heart failure. A. Lyon (London, GB)	1983
11:45	Nursing and telemedicine. L. Hill (Co.Antrim, GB)	1984
12:00	Acute heart failure. O. Chioncel (Bucuresti, RO)	1985
12:15	Devices and interventions. F. Ruschitzka (Zurich,CH)	1986

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TUESDAY



Heart Failure 2019

Tuesday Posters



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TUESDAY

Posters Sessions

08:30 - 12:30

POSTER SESSION 4

POSTER AREA

THERAPY

- Noninvasive diagnostic technique in ventricular tachyarrhythmias assessment in patients with coronary artery disease and secondary prevention indications for ICD implantation** P1987
 T. Atabekov, R. Batalov, S. Krivolapov, M. Khlynin, S. Sazonova, A. Levintas, A. Mishkina, K. Zavadovsky, Y. Lishmanov, S. Popov (Tomsk, RU)
- Effect of cardiac resynchronization therapy on right ventricle in adult with congenital heart disease** P1988
 Y. Yin, K. Dimopoulos, E. Shamada, K. Lascelles, G. Samuel, T. Wong, M.A. Gatzoulis, S.V. Babu-Narayan, W. Li (London, GB)
- ECG predictors of outcome in non-left bundle branch block cardiac resynchronization therapy patients** P1989
 A.M. W. Van Stipdonk, M. Dural, F.C.W.M. Salden, I.A. H. Ter Horst, H.J. G. Crijns, F.W. Prinzen, M. Meine, A.H. Maass, K. Vernooij (Maastricht, Utrecht and Groningen, NL; Eskisehir, TR)
- Definition of myocardial electrical dissynchrony by noninvasive activation mapping in predicting response to cardiac resynchronization therapy** P1990
 S. Kashtanova, M. Utsumueva, N. Mironova, E. Gupalo, S. Gaman, M. Saidova, S. Golitsyn (Moscow, RU)

CHRONIC HEART FAILURE - PATHOPHYSIOLOGY AND MECHANISMS

- Exercise unmasks greater arterial stiffness and arterial load in HFpEF patients vs hypertensive controls** P1991
 L. Panah, E. Zern, J.E. Ho, E.S. Lau, E. Liu, T. Cunningham, K.M. Hardin, M. Namasivayam, R. Malhotra, M. Nayor, G.D. Lewis (Boston and Los Angeles, US)
- Latent class analysis of echocardiographic phenotypes predicts adverse outcomes and treatment response in heart failure with preserved ejection fraction** P1992
 S. Purohit, P.S. Jhand, J. Lindenfeld, D.P. Kao (Aurora and Nashville, US; Glasgow, GB)
- The usefulness of handgrip exercise echocardiographic tests for diagnosis of heart failure with preserved ejection fraction compared to invasive bicycle exercise cath** P1993
 K.H. Kim, M.G. Kang, H.W. Park, J.R. Park, S.J. Hwang, J.Y. Hwang (Jinju, KR)
- Characteristics of Worsening Ejection Fraction during Follow-up in Heart Failure Patients with Preserved Ejection Fraction** P1994
 H. Yaku, T. Kato, T. Morimoto, Y. Inuzuka, Y. Tamaki, E. Yamamoto, N. Ozasa, T. Kimura (Kyoto, Nishinomiya, Moriyama and Tenri, JP)
- Impact of the geriatric nutritional risk index in non-diabetic patients aged >80 years with heart failure with preserved ejection fraction** P1995
 Y. Mitsuke, H. Tsutani, N. Ohtsuki (Fukui, JP)
- Correlation of inflammatory and fibrosis markers with diffuse interstitial fibrosis by T1 myocardial mapping and echocardiography parameters in heart failure with preserved ejection fraction patients** P1996
 A.N. Kaburova, O.M. Drapkina, M.S. Pokrovskaya, M.V. Vishnyakova, S.M. Uydin, S.N. Koretsky, A.S. Abramenko, G.V. Chermensky, B.B. Shoybonov, A.A. Fedorovich, L.A. Matskevich, N.V. Gomiranova, E.V. Zyatenkova, I.A. Efimova, V.V. Makarov (Moscow, RU)
- The effects of long-term treatment with sympathetic nervous system blockers on diastolic function in patients with resistant hypertension and heart failure with preserved ejection fraction** P1997
 A. Moiseeva, A. Caraus, N. Ciobanu, V. Moscalu, E. Sedaia, A. Surev, A. Durnea, A. Bitca, M. Caraus, L. Untura (Chisinau, MD; Iasi, RO)
- The relationship between pulse-wave parameters and myocardial fibrosis determined by T1 myocardial mapping in patients with heart failure and preserved ejection fraction** P1998
 A.N. Kaburova, O.M. Drapkina, M.S. Pokrovskaya, M.V. Vishnyakova, S.M. Uydin, S.N. Koretsky, A.S. Abramenko, G.V. Chermensky, B.B. Shoybonov, A.A. Fedorovich, L.A. Matskevich, N.V. Gomiranova, E.V. Zyatenkova, I.A. Efimova, V.V. Makarov (Moscow, RU)

Posters Sessions

- Central aortic pressure: the link with markers of inflammation and fibrosis and diastolic function parameters in patients with heart failure and preserved ejection fraction** P1999
 A.N. Kaburova, O.M. Drapkina, M.S. Pokrovskaya, S.M. Uydin, S.N. Koretsky, B.B. Shoybonov, A.A. Fedorovich, L.A. Matskevich, N.V. Gomiranova, E.V. Zyatenkova, I.A. Efimova, V.V. Makarov (Moscow, RU)
- Red blood cell distribution width predicts 5-years all cause mortality in patients with preserved ejection fraction heart failure** P2000
 R.N. Siliste, R. Ciomag, C. Homentcovschi, A. Trandafir, D. Pasoiu, B. Herteg, O. Mincan, I. Savulescu-Fiedler, A. Gurgehan, D.V. Spataru (Bucharest, RO)
- Prognostic value of post-exercise oxygen uptake kinetics in heart failure with preserved ejection fraction** P2001
 I.Y.U. Giverts, M.G. Poltavskaya, E.E. Yakubovskaya, M.V. Serova, D.A. Andreev, V.P. Sedov, M.D. Kuklina, D.Y.U. Shchekochikhin, A.L. Syrkin (Moscow, RU)
- Arterial stiffness and the autonomic nervous system function with different phenotypes of heart failure with preserved ejection fraction** P2002
 N. Kurlykina, A. Plisuk, R. Binyakovskiy, K. Galinger, I. Orlova (Moscow, RU)
- Galectin-3, AGEs serum levels and endothelial function in post infarction heart failure patients with preserved ejection fraction** P2003
 O. Sirenko, O. Kuryata, A. Zabida (Dnipropetrovsk, UA)
- Dynamics of sST2 and NTproBNP in heart failure with a preserved ejection fraction in acute myocardial infarction** P2004
 F.D. Akhmatova, V.N. Larina, M.V. Khoreva, I.M. Doronina (Moscow, RU)
- The impact of a clinical educational and self-care intervention in patients with heart failure with preserved ejection fraction** P2005
 H. Bolam, P.R. Kalra, K. Guha, G.D.J. Morton (Portsmouth, GB)
- The sophisticated echo parameters in diabetic and non-diabetic patients with preserved ejection fraction after STEMI** P2006
 G. Krljanac, D. Trifunovic, M. Asanin, I. Mrdovic, M. Djurovic, G. Stankovic, L. Savic, M. Polovina, V. Sulovic, L. Cucic, J. Dudic (Belgrade, RS)
- A novel echocardiographic based diagnostic score for identifying heart failure with preserved ejection fraction** P2007
 J. Tromp, W. Ouwerkerk, Y. Hummel, P.S.D. Yeo, D. Sim, F. Jaufeerally, H.Y. Ong, D.J. Van Veldhuisen, A.M. Richards, L.H. Ling, E. Hoendermis, J.K. Oh, A.A. Voors, J.J.V. McMurray, C.S.P. Lam (Singapore, SG; Amsterdam and Groningen, NL; Rochester, US; Glasgow, GB)
- Influence of cardioversion on left atrial volume and function in patients with heart failure and preserved ejection fraction and atrial fibrillation** P2008
 M.D.W. Von Roeder, S. Blazek, K.P. Rommel, G. Goia, C. Besler, K. Fengler, J.A. Lurz, G. Hindricks, H. Thiele, P. Lurz (Leipzig, DE)
- Association of endothelial NO-synthase gene polymorphism with the left ventricle diastolic dysfunction and pulmonary hypertension in patients with heart failure and preserved ejection fraction** P2009
 K.I. Cherniaieva, K.M. Amosova, Y.V. Rudenko, G.V. Mostbauer, A.B. Bezrodny, O.I. Nishkumay, P.O. Lazarev, O.I. Rokyta, N.V. Bereza, N.V. Shyshkina, K.P. Lazareva, O.V. Vasylenko, Y.A. Kovtna, D.S. Sichinava, Z.V. Lysak (Kiev, UA)
- Regional differences in characteristics and correlates of coronary microvascular dysfunction in HFpEF** P2010
 C. Hage, S. Svedlund, A. Saraste, U. Ljung Faxen, M. Erhardsson, M. Lagerstrom Fermer, L.M. Gan, S.J. Shah, C.S.P. Lam, L.H. Lund (Stockholm and Gothenburg, SE; Turku, FI; Chicago, US; Singapore, SG)

Posters Sessions

CHRONIC HEART FAILURE - EPIDEMIOLOGY, PROGNOSIS, OUTCOME

Heart rate and rhythm in relation to quality of life in outpatients with heart failure M. Grundtvig, M. Laeگران, T. Volnes-Eriksen (Trondheim, NO)	P2011
Heart failure in Colombia: results from the RECOLFACA registry C.I. Saldarriaga, J.E. Gomez, L.E. Echeverria (Medellin, Cali and Bucaramanga, CO)	P2012
Pulmonary arterial hypertension treatment in latin america S.G.C. Stephania Galindo Coral, J.E.G. Juan Esteban Gomez Mesa (Cali, CO)	P2013
Prevalence of cardiac and non cardiac comorbidities in heart failure outpatients with preserved, mid ranged, and reduced ejection fraction: a single tertiary university center experience G. Giamouzis, A. Xanthopoulos, N.A. Chroub-Papavaïou, G. Karagiannis, A. Pantziou, A. Douras, A. Simou, J. Skoularigis, F. Triposkiadis (Larissa and Volos, GR; Cleveland, US; London, GB)	P2014
Patients with CHF at low risk after acute decompensation do not need for careful observation and intensive treatment O. Narusov, A. Skvortsov, M. Muksinova, D. Protasova, V. Protasov, T. Sharf, V. Masenko, S. Tereshchenko (Moscow, RU)	P2015
Determinants and prognostic impact of intra-hospital worsening of renal function in acute heart failure A. Klein, S. Muensterer, M. Hanke, R. Ludwig, M. Breunig, C. Morbach, V. Cejka, M. Christa, N. Scholz, M. Ertl, M. Kaspar, G. Ertl, S. Frantz, C.E. Angermann, S. Stoerk (Wurzburg, DE)	P2016
Heart failure in very elderly patients (90 years of age and older) L. Demirevska, M. Nedkova, A. Chobanov, I. Daskalov, T. Valova, M. Amiorokov (Sofia, BG)	P2017
Right ventricular dysfunction in heart failure with preserved ejection fraction: an impact on survival B. Mahne, S. Kariz, R. Stopar, T. Ravnikar, A. Kupresan, N. Cernic Suligoj (Izola, SI)	P2018
Comparison of baseline characteristics and outcomes in women versus men referred for advanced heart failure therapies J.K. Vishram-Nielsen, T. Deis, K. Rossing, E. Wolsk, A.C. Alba, H.J. Ross, F. Gustafsson (Copenhagen, DK; Toronto, CA)	P2019
The prognosis of patients with chronic heart failure, depending on adherence to observation in a specialized heart failure treatment center N.G. Vinogradova, I.V. Fomin, D.S. Polyakov (Nizhny Novgorod, RU)	P2020
The importance of changes in prognostic markers during the management of HFrEF : reassessment better predicts the outcomes than the initial evaluation. M. Faure, F. Picard, P. Dos Santos (Bordeaux-Pessac, FR)	P2021
Follow-up of patients with heart failure and right ventricular dysfunction: clinical profile and prognosis. C.N. Perez Garcia, D. Enriquez Vazquez, T. Luque Diaz, A. Travieso Gonzalez, M. Ferrandez Escarabajal, C. Olmos, D. Vivas Balcones, I. Vilacosta (Madrid, ES)	P2022
Risks of death from decompensation and cardiovascular causes in patients with chronic heart failure, depending on adherence to observation in a specialized center. N.G. Vinogradova, I.V. Fomin, D.S. Polyakov (Nizhny Novgorod, RU)	P2023
Comorbidity burden can discriminate chronic heart failure with preserved and reduced but not with mid-range ejection fraction G. Giamouzis, A. Xanthopoulos, N.A. Chroub-Papavaïou, G. Karagiannis, A. Pantziou, A. Douras, A. Simou, J. Skoularigis, F. Triposkiadis (Larissa and Volos, GR; Cleveland, US; London, GB)	P2024
Recovered ejection fraction in alcoholic cardiomyopathy: is alcohol abstinence the only predictive factor? I. Pereira Oliveira, A. Leal Neto, D. Seabra, A. Andrade, J. Azevedo, P. Pinto (Penafiel, PT)	P2025
Prevalence of palliative care needs in patients with heart failure C.I. Saldarriaga, L.F. Arenas Ochoa, L. Montoya Trejos, M.C. Zapata, A.M. Restrepo Siegert, F. Toro, A.M. Agudelo, J.S. Diaz Betancur, N. Gonzalez Jaramillo, J.J. Vargas Gomez, M.A. Lemos, A. Krikorian (Medellin and medellin, CO)	P2026

Posters Sessions

- Short-term mortality in final stage heart failure patients.** P2027
M.A. Munoz, J.M. Verdu, E. Calero, J.L. Del Val, R. Abellana, M. Casademunt, J. Duran, E. Casajuana, S. Alonso, P. Furio, N. Torralba (Barcelona, ES)
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