Multidisciplinary Approach Heart Failure Device Therapies

Under the auspices of the European Mechanical Circulatory Support Society

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Dear Colleagues and friends,

We are pleased to announce you the 14th European Mechanical Circulatory Support Summit (EUMS) Multidisciplinary Approach will take place in Vienna from December 11 to 14, 2019.

We will welcome cardiologists from CRM and HF in addition to cardiac surgeons, anesthesiologists, intensivists, rehabilitationists and VAD coordinators.

We look forward to welcoming you in Vienna.

Yours faithfully,
TRACK 1: ADVANCED HF AND MCS ACADEMY

SESSION 1: PROGNOSIS AND THERAPY OF ADVANCED HEART FAILURE

13:00 - 14:30

Chairs: A. Zuckermann, Vienna - AUT - TBA

- Welcome and academy overview
  D. Zimpfer, Vienna - AUT
- Definition, prognosis and management guidelines for terminal heart failure
  TBA
- Cardiac transplantation - patient selection and outcomes
  A. Zuckermann, Vienna - AUT
- VAD therapy - patient selection and outcomes
  J. Garbade, Leipzig - GER
- Transcatheter treatment options for terminal heart failure – mitraclip and beyond
  G. Goliasch, Vienna - AUT

14:30 - 14:45 COFFEE BREAK

SESSION 2: FUNDAMENTALS OF MECHANICAL CIRCULATORY SUPPORT

14:45 - 15:45


- When Physics meets Medicine? – What doctors have to know about the physical principals of current assist devices?
  H. Schima, Vienna - AUT
- Short term ECLS – devices, implant techniques, safeguards and pitfalls
  E. Rame, Pennsylvania - USA
- Permanent mechanical circulatory support – strength and weaknesses of current devices
  G. Wieselthaler, San Francisco - USA
- Pre, intra and postoperative management of VAD patients
  A. El Banayosy, Oklahoma - USA
- Understanding the interplay between right ventricles and left ventricular assist devices
  M. Yuzefpolskaya, Columbia - USA
- The crumbling right ventricle? How and when to support!
  N. Mokadam, Columbus - USA

15:45 - 16:00 COFFEE BREAK

SESSION 3: HOW I IMPLANT... LIVE IN A BOX

16.00 - 19.00

Chairs: G. Lebreton, Paris - FRA - N. Mokadam, Columbus - USA

- How I implant an ECMO at the airport or out of my base?
  D. Schibilisky, Freiburg - GER
- An Impella 5.0 via the axillary artery
  M. Morshuis, Bad Oeynhausen - GER
- A LVAD via full sternotomy
  J. D. Schmitto, Hannover - GER
- A LVAD w/o sternotomy
  D. McGiffin, Melbourne - AUS
- A BIVAD with two centrifugal pumps
  N. Mokadam, Columbus - USA
- A total artificial heart
  D. Zimpfer, Vienna - AUT
- A pediatric berlin heart
- If I would have to start all over – How to develop an academic career in 2020
  A. Haverich, Hannover - GER
SESSION 1: HOW TO SET UP A PROGRAM? ROLE OF THE VAD COORDINATOR


- Welcome and overview
- The role of the VAD coordinator: US perspective
- The role of the VAD coordinator: EU perspective
- Growing a VAD program
- Caring for ourselves and others – collaboration and personal growth

14:30 - 14:45 COFFEE BREAK

SESSION 2: ADVERSE EVENTS: PREVENTION, DETECTION AND MANAGEMENT

Chairs: C. LaBuhn, Chicago - USA – S. Schroeder, Lincoln - USA

- Risk factors of contemporary LVADs – Are all pumps the same?
- Anticoagulation strategies
- Caring for the pediatric VAD patient: anticoagulation practices
- CPR in VAD patients: evolving intervention paradigms
- Clinical utility and application of pump data as tool for patient management
- Driveline infections: how to prevent, how to treat?

16:45 - 17:00 COFFEE BREAK

SESSION 3: VAD OUTPATIENT / LONGTERM MANAGEMENT

Chairs: J. Beckman, Seattle - USA – N. Robins, Newcastle – GBR

- GI Bleeding: a long acting solution to the immediate problem
- Blood pressure monitoring in LVAD patients: why and how?
- Follow-up-care ... How can we reduce the adverse events?
- Psychosocial issues in ventricular assist device implantation and management
- Frailty in mechanical circulatory support: putting muscle back in to assessment and management
- Palliative care throughout the journey of life with a LVAD
SESSION - NEW EUROPEAN REGULATION FOR MEDICAL DEVICE APPROVAL: CLINICAL DATA REQUIREMENTS

Chairs: P. Leprince, Paris - FRA - F. Abdelnour, 3AFF/ACIDIM - FRA

- European MDR & national regulations
  F. Abdelnour, 3AFF/ACIDIM - FRA
- German market specificities
  T. Seeger, Medalliance - GER
- French market specificities
  J. Belghiti, Paris - FRA
- Clinician point of view
  P. Leprince, Paris - FRA
- Panel discussion: clinical data pivotal for market access

WELCOME COCKTAIL
08:50 - 09:00 EUMS WELCOME ADDRESS

G. Laufer, Vienna - AUT - P. Leprince, Paris – FRA - J. D. Schmitto, Hannover - GER - D. Zimpfer, Vienna - AUT

09:00 - 10:30 SESSION 1 - THE HEART FAILURE LANDSCAPE


- Prognosis of terminal heart failure in 2019
  J. Bauersachs, Hannover - GER

- Novel drugs and interventional therapies
  for advanced heart failure – revolution or defeat
  F. Ruschitzka, Zürich – SUI*

- Cardiogenic shock the unsolved challenge
  D. A. Baran, Virginia – USA

- Panel discussion with all the speakers

10:30 - 11:00 COFFEE BREAK

11:00 - 12:30 SESSION 2 - GUIDELINES AND REGISTRY OUTCOMES

Chairs: A. Haverich, Hannover - GER - D. Zimpfer, Vienna - AUT

- ESC and AHA heart failure guidelines
  M. Crespo Leiro, Coruna - ESP

- ISHLT and EACTS VAD Guidelines
  TBA

- Intermacs and Euromacs results
  S. Silvestry, Orlando - USA

- Panel discussion with all the speakers

12:30 - 13:30 LUNCH BREAK

13:30 - 16:00 SESSION 3 - OUTCOMES OF TRIALS

Chairs: J. D. Schmitto, Hannover – GER - N. Mokadam, Columbus - USA

- Momentum 3 and Elevate
  C. Mahr, Seattle - USA

- Lateral, advance, endurance and beyond
  M. Strüber, Newark - USA

- HVAD vs. HM3 – is there a difference or is it just artful statistics
  and pixie dust ?
  D. Zimpfer, Vienna - AUT

16:00 - 16:30 COFFEE BREAK

16:30 - 18:00 SESSION 4 - CARDIOGENIC SHOCK

Chairs: A. El Banayosy, Oklahoma City - USA - S. Schüler, Newcastle - GBR

- Pathophysiology of cardiogenic shock and shock induced end-organ damage
  C. Spaulding, Paris - FRA

- Decision making in cardiogenic shock, limitations of conservative therapy
  and importance of tissue perfusion
  A. El Banayosy, Oklahoma City - USA

- Short Term MCS – ECMO for all vs Patient tailored approaches
  P. Leprince, Paris – FRA

- Supportive measures to increase the likelihood of organ recovery
  and short term MCS weaning – Drugs, filters, structural interventions
  C. Schulze, Jena - GER

- Panel discussion with all the speakers

18:00 - 19:00 VAD UPDATE SESSION 1

*To Be Confirmed
FRIDAY DECEMBER 13, 2019

06:30
JOGGING : 5 KMS AROUND THE RING

08:30
LIVE CASE 1: LIS OFF-PUMP LVAD – PATIENT INTRODUCTION AND BRIEFING ON SURGICAL AND ANESTHESIOLOGIC STRATEGY

Chairs: S. Mariani, Hannover - GER - D. Wiedemann, Vienna - AUT

J. Riebandt, Vienna - AUT

08:45
SESSION 5 – THINK HYBRID – HEART VALVE INTERVENTION IN VAD PATIENTS

Chairs: S. Mariani, Hannover - GER - D. Wiedemann, Vienna - AUT

F. Maisano, Zürich, SUI*

09:15
SESSION 6 – INNOVATION SESSION

10:30
LIFE CASE 1 CONTINUED: OFF-PUMP APICAL CORING AND PUMP CONNECTION

Chairs: S. Mariani, Hannover - GER - D. Wiedemann, Vienna - AUT

J. Riebandt, Vienna - AUT

10:30 - 11:00 COFFEE BREAK

11:00
SESSION 7 – SOLUTIONS TO CHALLENGES OF VAD SUPPORT

Chairs: C. Mahr, Seattle - USA - TBA

- Stroke – treatment guidelines and outcomes of interventional therapies  S. Greisenegger, Vienna - AUT*  TBA
- GI-Bleeding – Prevention and treatment  S. Greisenegger, Vienna - AUT*
- Device infection and pump thrombosis – How to treat and when to exchange?  J. Long, Oklahoma City - USA
- High urgent cardiac transplantation in VAD patients with recurring VAD related complications  G. Laufer, Vienna - AUT
- Panel discussion with all the speakers

12:30 - 13:30 LUNCH BREAK

13:30
LIVE CASE 2: LIS LVAD + TEMPORARY RVAD (ACCESS TO AAO, PA, RVAD OUTFLOW GRAFT)

Chairs: S. Mariani, Hannover - GER - D. Wiedemann, Vienna - AUT

F. Wittmann, Vienna - AUT

14:00
SESSION 8 – GREAT DEBATES IN HEART FAILURE

Chairs: J. Teuteberg, Stanford – GBR* - TBA

- VAD Implantation in Intermacs IV-VII  J. Teuteberg, Stanford – GBR*
  - Pro
  - Con
  - Re-battle
  - Highly reduced LV - function with secondary MI  A. Simon, London – GBR
  - Pro Clip  TBA
  - Pro Vad
  - Re-battle
  - Perioperative RV- support high dose catecholamines vs early temporary RVAD  J. D. Schmitto, Hannover – GER
  - Pro catecholamines  A. El Banayosy, Oklahoma City - USA
  - Pro RVAD  M. Yuzefpolskaya, Columbia - USA

16:00 - 16:30 COFFEE BREAK
SESSION 9 – INTELLIGENT PUMPING AND USABILITY ASPECTS


- How much VAD support is optimal? Its dependency of disease, physiological state and therapeutic strategy  
  B. Meyns, Leuven – BEL

- How to determine the support demand? Intelligent monitoring and sensors  
  M. Slepian, Tucson – USA

- Automatic control: Achievements and challenges  
  M. Maw, Vienna – AUT

- Human-Factors – Usability: it can be the difference between Life and Death  
  C. Wrigley, Sydney - AUS

- Big Data and Artificial Intelligence: How can they support VAD therapy?  
  TBA

VAD UPDATE SESSION 2

Chairs: G. Dogan, Hannover – GER – M. Slepian, Tucson – USA

*To be announced
06:30 JOGGING: 5 KMS ALONG THE DANUBE CHANNEL

08:00 SESSION 10 - VAD SUPPORT IN PEDIATRIC AND GROWN UP CONGENITAL HEART DISEASE

Chairs: Y. D’Udekem, Melbourne - AUS - R. Pretré, Lausanne - SUI

- VAD support in pediatric population: Pulsatile vs continuous  
  J. Conway, Alberta - CAN
- VAD support in patients with failing univentricular palliations  
  Y. D’Udekem, Melbourne - AUS
- VAD support of the failing RV in systemic position  
  R. Pretré, Lausanne - SUI
- Developement of a centrifugal VAD vor isolated subpulmonary support  
  M. Huebler, Zurich - SUI
- Panel discussion with all the speakers

10:30 - 11:30 COFFEE BREAK

11:30 SESSION 11 - CONTROVERSIES IN BIVENTRICULAR SUPPORT

Chairs: E. Rame, Pennsylvania, USA - M. Yuzefpolskaya, Columbia - USA

- Cases report: Unmet needs Hannover  
  J. Hanke, Hannover - GER
- Biventricular support: Pulsatile or continuous flow  
  D. McGiffin, Melbourne - AUS
- Strategies from ecmo to bivad support  
  G. Laufer, Vienna - AUT
- Total artificial heart – state of the art and future devices  
  I. Netuka, Prague – CZE
- Panel discussion with all the speakers

13:30 CLOSING REMARKS
ACCOMMODATION

A limited number of rooms at preferential rates have been booked for the EUMS delegates. For individual reservations, you can book directly online through your registration profile. For company and or third party reservations, please send your request to:

OVERCOME – HOUSING DEPARTMENT
Ph : +33(0)1 40 88 97 97 - Fax: +33 (0)1 43 59 76 07 - E-mail: eumshousing@overcome.fr

EXHIBITION

A large exhibition will take place in the heart of the event, hosting industry partners.

TRANSPORTATION

14th European Mechanical Circulatory support Summit “34706AF
valid from 04/12/2019 to 21/12/2019

This original document entitles you a reduction of up to 45% on the regular full fare in economy class for a round trip journey (subject to conditions). To book your electronic ticket, visit the congress website, www.eums.org or contact your nearest Air France office. You will need to quote the reference given above which is registered in Air France and KLM data under: GGARAFEVENTNEGO Frequent flyer / loyalty programs of Air France and KLM partner airlines are credited with «miles» when Air France or KLM flights are used.

Train vouchers are at your disposal upon request from OVERCOME
15th European Mechanical Circulatory Support Summit

DECEMBER 2-5 2020

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