



**EUMS**  
**MCS - CRM**

Paris - Vienna - Hannover

**14<sup>th</sup>**

**EUROPEAN MECHANICAL  
CIRCULATORY SUPPORT  
SUMMIT**

**Multidisciplinary Approach Heart Failure  
Device Therapies**

**PROGRAMME**

**DECEMBER  
11-14  
2019**

**INTERCONTINENTAL  
VIENNA  
AUSTRIA**

Under the auspices of the **European Mechanical Circulatory Support Society**

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# 14<sup>th</sup>

## EUROPEAN MECHANICAL CIRCULATORY SUPPORT SUMMIT



**EUMS**  
**MCS - CRM**

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Dear Colleagues and friends,

We are pleased to announce you the 14<sup>th</sup> 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,



**VIENNA**  
**AUSTRIA**

### SCIENTIFIC COMMITTEE

A. EL BANAYOSY, Oklahoma City - USA  
A. HAVERICH, Hannover - GER  
G. LAUFER, Vienna - AUT  
P. LEPRINCE, Paris - FRA  
J. D. SCHMITTO, Hannover - GER  
M. SLEPIAN, Tucson - USA  
D. ZIMPFER, Vienna - AUT

### EUMS 2019 LOCAL COMMITTEE

G. LAUFER, Vienna - AUT  
J. RIEBANDT, Vienna - AUT  
T. SCHLÖGLHOFER, Vienna - AUT  
H. SCHIMA, Vienna - AUT  
D. WIEDEMANN, Vienna - AUT  
D. ZIMPFER, Vienna - AUT

### LOGISTICS ORGANISATION AND PARTNERSHIP

OVERCOME

13-15, Rue des Sablons  
75116 Paris, FRANCE  
Ph: +33 (0)1 40 88 97 97  
Fax: +33 (0)1 43 59 76 07  
E-mail: eums@overcome.fr

### CONGRESS VENUE

INTERCONTINENTAL VIENNA  
Johannesgasse 28  
1030 Vienna, AUSTRIA  
Ph.: +43 1 711220

12:00  
13:30

**SESSION 1: PROGNOSIS AND THERAPY OF ADVANCED HEARTFAILURE**

*Chairs: P. Seferovic, Belgrade - SRB - A. Zuckermann, Vienna - AUT*

- Welcome and academy overview *D. Zimpfer, Vienna - AUT*
- Definition, prognosis and management guidelines for terminal heart failure *P. Seferovic, Belgrade - SRB*
- 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 – mitralclip and beyond *G. Gollasch, Vienna - AUT*

13:30 - 13:45 COFFEE BREAK

13:45  
15:45

**SESSION 2: FUNDAMENTALS OF MECHANICAL CIRCULATORY SUPPORT**

*Chairs: H. Schima, Vienna - AUT - R. Tarazi, Hadiya - KWT*

- 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 *J. D. Schmitto, Hannover - GER*
- 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, Ohio - USA*

15:45 - 16:00 COFFEE BREAK

16:00  
18:00

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

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

- How I implant an ECMO at the airport or out of my base ? *G. Lebreton, Paris - FRA*
- An Impella 5.0 via the axillary artery *D. Schibilsky, Freiburg - GER*
- A LVAD via full sternotomy *M. Morshuis, Bad Oeynhausen - GER*
- A LVAD w/o sternotomy *J. D. Schmitto, Hannover - GER*
- A BIVAD with two centrifugal pumps *D. McGiffin, Melbourne - AUS*
- A total artificial heart *N. Mokadam, Ohio - USA*
- A pediatric berlin heart *D. Zimpfer, Vienna - AUT*
- If I would have to start all over – How to develop an academic career in 2020 *A. Haverich, Hannover - GER*

*\*To Be Announced*

TRACK 2: EUMS/ICCAC VAD COORDINATOR ACADEMY PROGRAMME

12:00  
13:30

SESSION 1: HOW TO SET UP A PROGRAM? ROLE OF THE VAD COORDINATOR

*Chairs: T. Elliott, Washington - USA – T. Schlöglhofer, Vienna - AUT*

- Welcome and overview *T. Schlöglhofer, Vienna - AUT*
- The role of the VAD coordinator: US perspective *P. Combs, Chicago - USA*
- The role of the VAD coordinator: EU perspective *N. Robins, Newcastle - GBR*
- Growing a VAD program *E. Davis, Salt Lake City - USA*
- Caring for ourselves and others – collaboration and personal growth *K. Meehan, Chicago - USA*

13:30 - 13:45 COFFEE BREAK

13:45  
15:45

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? *S. Schettle, Rochester - USA*
- Anticoagulation strategies *G. Rimkus, Bad Oeynhausen - GER*
- Caring for the pediatric VAD patient: anticoagulation practices *J. Horvat, Vienna - AUT*
- VAD Emergencies *T. Elliott, Washington - USA*
- Clinical utility and application of pump data as tool for patient management *T. Schlöglhofer, Vienna - AUT*
- Driveline infections: how to prevent, how to treat? *A. Schoede, Hannover - GER*

16:00 - 16:30 COFFEE BREAK

16:00  
18:00

SESSION 3: VAD OUTPATIENT / LONGTERM MANAGEMENT

*Chairs: N. Robins, Newcastle - GBR - S. Schettle, Rochester - USA*

- GI Bleeding: a long acting solution to the immediate problem *C. LaBuhn, Chicago - USA*
- Blood pressure monitoring in LVAD patients: why and how? *L. Coyle, Oak Lawn - USA*
- Follow-up-care ... How can we reduce the adverse events? *F. Müller, Heidelberg - GER*
- Psychosocial issues in ventricular assist device implantation and management *K. Vandersmissen, Leuven - BEL*
- Frailty in mechanical circulatory support: putting muscle back in to assessment and management strategies *S. Schroeder, Lincoln - USA*
- Palliative care throughout the journey of life with a LVAD *A.-M. Oppelaar, Utrecht - NLD*

TRACK 3

17:00 SESSION - NEW EUROPEAN REGULATION FOR MEDICAL DEVICE APPROVAL:  
19:00 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

19:00 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

*Chairs: G. Laufer, Vienna - AUT - P. Leprince, Paris - FRA*

- 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 *P. Seferovic, Belgrade - SRB*
- Intermacs and Euromacs results *D. Goldstein, New-York - 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, Ohio - USA*

- Momentum 3 and Elevate *C. Mahr, Seattle - USA*
- 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 - CARADIOGENIC 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 Announced*

06:30 JOGGING : 5 KMS AROUND THE RING

08:30 LIVE CASE 1: LIS OFF-PUMP LVAD – PATIENT INTRODUCTION AND BRIEFING ON SURGICAL  
08:45 AND ANESTHESIOLOGIC STRATEGY

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

*J. Riebandt, Vienna - AUT*

08:45 SESSION 5 – THINK HYBRID – HEART VALVE INTERVENTION IN VAD PATIENTS  
09:15

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

*F. Maisano, Zürich, SUI*

09:15 SESSION 6 – INNOVATION SESSION  
10:30

10:30 LIFE CASE 1 CONTINUED: OFF-PUMP APICAL CORING  
11:00 AND PUMP CONNECTION

10:30 - 11:00 COFFEE BREAK

11:00 SESSION 7 – SOLUTIONS TO CHALLENGES OF VAD SUPPORT  
12:30

Chairs: *C. Mahr, Seattle - USA - P. Seferovic, Belgrade - SRB*

- Stroke – treatment guidelines and outcomes of interventional therapies *T. Berger, Vienna - AUT*
- GI-Bleeding – Prevention and treatment *N. Uriel, New-York - USA*
- 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  
14:00 (ACCESS TO AAO, PA, RVAD OUTFLOW GRAFT)

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

*F. Wittmann, Vienna - AUT*

14:00 SESSION 8 – GREAT DEBATES IN HEART FAILURE  
16:00

Chairs: *N. Uriel, New-York - USA - J. Teuteberg, Stanford - GBR*

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

16:00 - 16:30 COFFEE BREAK

16:30  
18:00

## SESSION 9 – INTELLIGENT PUMPING AND USABILITY ASPECTS

*Chairs: B. Meyns, Leuven – BEL – H. Schima, Vienna – AUT*

- 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? *J. Antaki, New-York – USA\**

18:00  
19:00

## VAD UPDATE SESSION 2

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



*\*To be confirmed*

06:30 JOGGING: 5 KMS ALONG THE DANUBE CHANNEL

08:00 SESSION 10 – VAD SUPPORT IN PEDIATRIC AND GROWN UP CONGENITAL  
10:00 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*
- Development of a centrifugal VAD vor isolated subpulmonary support *TBA*
- Panel discussion with all the speakers

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10:30 – 11:30 COFFEE BREAK

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11:30 SESSION 11 – CONTROVERSIES IN BIVENTRICULAR SUPPORT  
13:30

*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

*\*To Be Announced*



## ■ GENERAL INFORMATION

### CONGRESS VENUE

INTERCONTINENTAL VIENNA: Johannesgasse 28 - 1030 Vienna, Austria - Ph.: +43 1 711220

### LOGISTICAL ORGANIZATION AND REGISTRATION

OVERCOME: 13-15, rue des Sablons - 75116 PARIS, France

Ph: +33(0)1 40 88 97 97 - Fax: +33 (0)1 43 59 76 07 - E-mail: [eums@overcome.fr](mailto:eums@overcome.fr)

### REGISTRATION

	Early registration until Oct. 28, 2019	Late registration from Oct. 29, 2019 and on-site
Delegates	€ 460.00	€ 560.00
Nurses/Technicians/Students	€ 280.00	€ 280.00
Congress Dinner on Thursday December 12, 2019	€ 100.00	

#### The registration fee includes:

Access to the scientific sessions and the exhibition, daily breaks and lunches as well as Congress documents.

#### Cancellation Policy:

To request a refund, participants must return their registration receipt with a written request to Overcome, before October 29, 2019.

There will be a cancellation fee of 60.00 (VAT Incl.). No refund will be possible after this date.

The closing date for individual registration is December 5, 2019. After this date registration will be only accepted on site.

### 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

e-mail : [eumshousing@overcome.fr](mailto:eumshousing@overcome.fr)

### EXHIBITION

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

### TRANSPORTATION

**AIR FRANCE**

TRANSPORTEURS OFFICIELS OFFICIAL CARRIERS



14<sup>th</sup> European Mechanical Circulatory support Summit<sup>®</sup> 34706AF  
valid from 04/12/2019 to 21/12/2019

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