



EUMS

Paris – Bad Oeynhausen

9th European Mechanical
Circulatory Support
Summit

Multidisciplinary Approach

Final Program

Dec. 3rd – 6th, 2014
Bad Oeynhausen, Germany

Hôpital Pitié-Salpêtrière and
Herz- und Diabeteszentrum NRW
www.eums.org



Foto: Armin Kühn

»Backstage – Get Together«, Dec. 6th 2006 Bad Oeynhausen

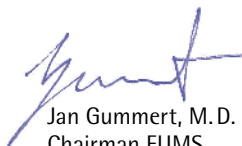


Dear Colleagues and Friends,

We would like to welcome you cordially to the 9th European Mechanical Circulatory Support Summit, this year again held at the "Theater im Park" in Bad Oeynhausen. Mechanical circulatory support therapy is nowadays established as a bridge to transplantation. Data from destination therapy trials show good survival in non-transplant patients but also revealed challenges in the long-term management of these patients. The question if long term mechanical support is a true alternative to transplantation will be debated at this meeting, as well as different implantation techniques of the devices made possible by increasing miniaturization of the systems. Sessions such as 'Intervention meets mechanical support' will illustrate how future devices may look like and what is technically possible. A dedicated ECMO session and a hands-on workshop will highlight the increasing importance and usage of this therapy in modern cardiovascular medicine.

In addition basic science and research, forum discussions, debates and life in a box sessions will be presented and a dedicated VAD coordinator session will be held for the second time.

As the worldwide number of mechanical circulatory support programs is ever growing and EuMS meetings with their outstanding faculty have always been at the edge of the subject with state of the art lectures and the newest technical innovations, it would be a great pleasure to welcome you again in December 2014 in Bad Oeynhausen.



Jan Gummert, M.D.
Chairman EUMS



Pascal Leprince M.D.
Chairman EUMS



European Mechanical Circulatory Support Summit



Organizing Committee Members

Chairmen

Jan Gummert	(Bad Oeynhausen, Germany)
Pascal Leprince	(Paris, France)

Program Directors:

Aly El Banayosy	(Oklahoma, USA)
Stephan Ensminger	(Bad Oeynhausen, Germany)
Michiel Morshuis	(Bad Oeynhausen, Germany)

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Jochen Boergemann	Michael Schoenbrodt
Hendrik Milting	Eugene Sandica
Erik Rehn	Uwe Schulz

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Scientific Sessions

- Out of Hospital Management of Long-term MCS-Support
- ECLS for Heart and Lung Support
- Next Generation Mechanical Support – Engineering and Physiology
- How To Do It – Tips and Tricks
- What is the Right Strategy? Transplant versus VAD Implantation
- Minimal Invasive Implantation
- Heart Repair 2050: Mechanical or Biological
- Ethical Aspects
- Industry Update



European Mechanical Circulatory Support Summit



Faculty

Wolfgang Albert	(Berlin, Germany)
Jochen Börgermann	(Bad Oeynhausen, Germany)
Walter Dembitsky	(San Diego, USA)
Aly El Banayosy	(Oklahoma, USA)
Stephan Ensminger	(Bad Oeynhausen, Germany)
Volkmar Falk	(Berlin, Germany)
Arnt Fiane	(Oslo, Norway)
Ardeschir Ghofrani	(Gießen, Germany)
Jan Gummert	(Bad Oeynhausen, Germany)
Michael Huebler	(Zurich, Switzerland)
Tim Kaufmann	(Aachen, Germany)
Heinrich Klues	(Krefeld, Germany)
Richard Kirk	(Newcastle, UK)
Andreas Koster	(Bad Oeynhausen, Germany)
Pascal Leprince	(Paris, France)
James Long	(Oklahoma, USA)
Brian Lynch	(Houston, USA)
Claudius Mahr	(Seattle, USA)
Hendrik Milting	(Bad Oeynhausen, Germany)
Paul Mohacsi	(Bern, Switzerland)
Michiel Morshuis	(Bad Oeynhausen, Germany)
Karl Nelson	(Oklahoma, USA)
Evgenij Potapov	(Berlin, Germany)
Thomas Pühler	(Bad Oeynhausen, Germany)
Eduardo Rame	(Philadelphia, USA)
Eugen Sandica	(Bad Oeynhausen, Germany)

Heinrich Schima	(Vienna, Austria)
Thomas Schmid	(Munich, Germany)
Jan Schmitto	(Hanover, Germany)
Michael Schoenbrodt	(Bad Oeynhausen, Germany)
Uwe Schulz	(Bad Oeynhausen, Germany)
Marvin Slepian	(Tucson, USA)
Behzad Soleimani	(Hershey, USA)
Ulrich Steinseifer	(Aachen, Germany)
Thomas Thum	(Hanover, Germany)
Malte Tiburcy	(Göttingen, Germany)
Lori West	(Edmonton, Canada)
Daniel Zimpfer	(Vienna, Austria)



European Mechanical Circulatory Support Summit

Program



Wednesday, Dec. 3rd

- 19:00 – 21:00** Get Together at Wandelhalle
- 20:00 – 21:00** Guided Tour: European Spa Culture on the Example „Bad Oeynhausen“ (optional)

Thursday, Dec. 4th

- 08:45 – 09:00** Welcome Address
- 09:00 – 11:00** **Session I**
VAD and Right Ventricle
- Chairmen**
Jan Gummert (Bad Oeynhausen, Germany)
Pascal Leprince (Paris, France)
- 09:00 – 9:20** How to protect the RV during surgery
Behzad Soleimani (Hershey, USA)
- 09:20 – 9:40** RV problems during long term VAD support
Eduardo Rame (Philadelphia, USA)
- 09:40 – 10:00** Medical therapy for the RV post VAD
Claudius Mahr (Seattle, USA)
- 10:00 – 10:30** Debate: Tricky Tricuspid Valve – Should we reconstruct?
Pro: *Michiel Morshuis (Bad Oeynhausen, Germany)*
Contra: *Evgenij Potapov (Berlin, Germany)*
- 10:30 – 11:00** Panel Discussion
- 11:00 – 11:30** COFFEE BREAK

11:30 – 13:00

Session II

VAD and Lung

Chairmen

Walter Dembitsky (San Diego, USA)

Thomas Pühler (Bad Oeynhausen, Germany)

11:30 – 11:50

PAH – current treatment

Ardeschir Ghofrani (Gießen, Germany)

11:50 – 12:05

PAH and VAD

Uwe Schulz (Bad Oeynhausen, Germany)

12:05 – 12:20

ECMO – What are the Pitfalls?

Pascal Leprince (Paris, France)

12:20 – 12:35

ECMO – How far can we go?

Aly El Banayosy (Oklahoma, USA)

12:35 – 13:00

Panel Discussion

13:00 – 14:00

LUNCH BREAK



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- 14:00 – 15:30** **Session III**
VAD and Blood
- Chairmen**
Claudius Mahr (Seattle, USA)
Jochen Boergermann (Bad Oeynhausen, Germany)
- 14:00 – 14:15** Anticoagulation in VAD patients with HIT
Andreas Koster (Bad Oeynhausen, Germany)
- 14:15 – 14:30** Pump thrombosis
Walter Dembitsky (San Diego, USA)
- 14:30 – 14:45** Pump thrombosis – the BO experience
Michael Schoenbrodt (Bad Oeynhausen, Germany)
- 14:45 – 14:50** **SPP:** Two cases of advanced heart failure with secondary
amenorrhea that resumed after long-term left ventricular
assist device support
Eriko Hisamatsu (Osaka, Japan)
- 14:50 – 14:55** **SPP:** Gold standard in biventricular circulatory support –
excellent results with an old school device
Sven Erik Bartfay (Gothenburg, Sweden)
- 14:55 – 15:00** **SPP:** Preliminary results from the C-Pulse OPTIONS HF
European Multicenter Post-Market
Holger Hotz (Berlin, Germany)
- 15:00 – 15:30** Panel Discussion
- 15:30 – 16:00** COFFEE BREAK

- 16:00 – 18:00** **Session IV**
VAD Therapy in 2050 – Mechanical or Biological?
- Chairmen**
Hendrik Milting (Bad Oeynhausen, Germany)
Stephan Ensminger (Bad Oeynhausen, Germany)
- 16:00 – 16:30** Learning form the Stars – „Dark Energy“
Jochen Liske (ESO Munich, Germany)
- 16:30 – 16:50** Is it all Mechanical?
Marvin Slepian (Tucson, USA)
- 16:50 – 17:10** On the Way to the Bio-VAD
Malte Tiburcy (Göttingen, Germany)
- 17:10 – 17:30** Prevention of fibrosis using Micro-RNAs
Thomas Thum (Hanover, Germany)
- 17:30 – 18:00** Panel Discussion

SPP = Short Poster Presentation



European Mechanical Circulatory Support Summit

Friday, Dec. 5th

10:00 – 16:00 **Hands-on Workshop ECMO/ICLS**

09:00 – 11:00 **Session V**
My Access is Better than Yours

Chairmen

James Long (Oklahoma, USA)
Aly El Banayosy (Oklahoma, USA)

09:00 – 9:15 The Subclavian Approach
Arnt Fiane (Oslo, Norway)

09:15 – 9:30 Minimally Invasive Approach
Jan Schmitto (Hanover, Germany)

09:30 – 9:45 Off-Pump Implantation – Why, When, How?
Daniel Zimpfer (Vienna, Austria)

09:45 – 10:00 TA – VAD-Access
Stephan Ensminger (Bad Oeynhausen, Germany)

10:00 – 10:05 **SPP:** HVAD implant via Hemisternotomy –
Mini thoracotomy (new tools and strategy)
Bernard Stockman (Aalst, Belgium)

10:05 – 10:30 Live in a Box Case
Michiel Morshuis (Bad Oeynhausen, Germany)

10:30 – 11:00 Panel Discussion

11:00 – 11:30 COFFEE BREAK

11:30 – 13:00

Session VI

VAD in Congenital Patients

Chairmen

Eugen Sandica (Bad Oeynhausen, Germany)

Richard Kirk (Newcastle, UK)

11:30 – 11:50

Pediatric heart transplantation

Lori West (Edmonton, Canada)

11:50 – 12:10

VAD Therapy in pediatric patients

Richard Kirk (Newcastle, UK)

12:10 – 12:25

HeartWare in congenital heart disease

Michael Huebler (Zurich, Switzerland)

12:25 – 12:40

Experience with Berlin Heart Excor

Eugen Sandica (Bad Oeynhausen, Germany)

12:40 – 12:45

SPP: First Case Report of a successful Berlin EXCOR Bi-Ventricular Assist Device Wean and Explantation in a Pediatric Patient

Parthak Proadhan (Little Rock, USA)

12:45 – 13:00

Panel Discussion

13:00 – 14:00

LUNCH BREAK

SPP = Short Poster Presentation



European Mechanical Circulatory Support Summit

- 14:00 – 15:30** **Session VII**
 'VADs-App' – Challenge of Long-Term Support
- Chairmen**
Michiel Morshuis (Bad Oeynhausen, Germany)
Daniel Zimpfer (Vienna, Austria)
- 14:00 – 14:15** „Big Brother is Watching you“ – What do we need to know
 Brian Lynch (Houston, USA)
- 14:15 – 14:30** How to take care of the evergrowing VAD Population
 Karl Nelson (Oklahoma, USA)
- 14:30 – 14:45** Referring Cardiologists Perspectives and Expectations?
 Heinrich Klues (Krefeld, Germany)
- 14:45 – 15:00** „End of Life“
 Wolfgang Albert (Berlin, Germany)
- 15:00 – 15:30** Panel Discussion
- 15:30 – 16:00** COFFEE BREAK

16:00 – 17:30

Session VIII

Is VAD Better than Heart Transplantation?

Chairmen

Pascal Leprince (Paris, France)

Volkmar Falk (Berlin, Germany)

16:00 – 16:15

EUROMACS Update

Paul Mohacsi (Bern, Switzerland)

16:15 – 16:30

VAD implantation is a better option

Evgenij Potapov (Berlin, Germany)

16:30 – 16:45

Transplantation is a better option

Uwe Schulz (Bad Oeynhausen, Germany)

16:45 – 17:05

Update on the destination patients

Walter Dembitsky (San Diego, USA)

17:05 – 17:25

Real life destination therapy – The Oeynhausen Data Base

Jan Gummert (Bad Oeynhausen, Germany)

17:25 – 17:45

Panel Discussion

19:00

GOP Gala Dinner



European Mechanical Circulatory Support Summit

Saturday, Dec. 6th

09:00 – 11:00

Session IX

Cutting Edge Technology –
What is in the Pipeline for the Driveline?

Chairmen

Ulrich Steinseifer (Aachen, Germany)
Aly El Banayosy (Hershey, USA)

9:00 – 9:20

Looking for Freedom – Why do we still need a driveline?
Thomas Schmid (Munich, Germany)

9:20 – 9:40

How to minimize VADs – What are the limits?
Ulrich Steinseifer (Aachen, Germany)

9:40 – 10:00

Monitoring of the pump and the patient:
New chances for safety an therapeutic optimization
Heinrich Schima (Vienna, Austria)

10:00 – 10:20

Optimal flow profiles for VADs
Tim Kaufmann (Aachen, Germany)

10:20 – 10:25

SPP: Next Generation Mechanical Circulatory Support
Devices: Impact of compatibility
Hisham Sherif (Newark, USA)

10:25 – 10:30

SPP: Non-thermal atmospheric pressure plasma – a new
tool for the treatment of superficial driveline infections
Lutz Hilker (Greifswald, Germany)

10:30 – 10:40

SPP: Update on LVADs in Russia
S. V. Selishchev (Moscow, Russia)

10:40 – 11:00

Panel Discussion

11:00 – 11:30

COFFEE BREAK

SPP = Short Poster Presentation

11:30 – 13:00

Session X

Update on Engineering

Chairmen

Jan Gummert (Bad Oeynhausen, Germany)

Pascal Leprince (Paris, France)

Thoratec Europe Ltd:

Innovation from Thoratec / *Laura Damme*

HeartWare International Inc.:

HeartWare Technology Updates / *Michael Ashenuga*

SynCardia Systems Inc.:

The new word of the Syncardia TAH / *Marvin Slepian*

Edwards Lifesciences Services GmbH:

Innovations from TAVI relevant for VAD / *Amir Blumenfeld*

Berlin Heart GmbH:

What's Next? / *Francisco Ferraro*

CARMAT SA:

The Carmat Bioprosthetic Total Artificial Heart –
Project Update / *Christian Latremouille*

Helmholtz-Institut Aachen:

The ReinHeart TAH: An Update / *Ulrich Steinseifer*

ReliantHeart B.V.:

LVAD Myths / *Rodger Ford*

3-D Matrix Europe SAS:

Purastat® / *Toshi Amanuma*

13:10

FAREWELL LUNCH



European Mechanical Circulatory Support Summit

Exhibitors and Sponsors



A Xenios company



According to the German FSA e.V. Guidelines, you will see here the FSA e.V. member companies which support the conference this year: Novartis Pharma GmbH 2sqm booth (EUR 2000.00)

Status at the time of printing.

Information

Congress Venue

Scientific Program and Industrial Exhibition:
Theater im Park (TiP)
Im Kurpark
32545 Bad Oeynhausen, Germany

Congress Language

Official congress language is English.
Simultaneous translation will not be provided.

Registration Fees:

Late registration..... EUR 450.00
Nurses/Technicians..... EUR 150.00
Students (Certification required) free of charge
Poster Presenters free of charge
VAD Coordinator Meeting only..... EUR 100.00
Hand-on Workshop only..... EUR 100.00

There is no day ticket available!

Accommodation:

For accommodation booking, please have a look at
www.badoeynhausen.de or contact the tourist office
under +49 (0)5731 1300

For your information:

The General Medical Council of Germany has rated this conference with 21 CME points. You will receive the awarded points with your registration documents. Please, contact the General Medical Council of your country for the points to be credited to you.

**Scientific Secretary:**

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Michiel Morshuis, M.D.
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Industrial exhibition will be staged
parallel to the meeting in the foyers
of the Theater im Park. Breaks will
be integrated – this provides optimal
interaction between congress and
exhibition.

Social Program

All registered participants are invited
to our Get Together at Wandelhalle
on Wednesday, Dec. 3rd, 2014.

The Gala Dinner & GOP Variete will
take place in the Kaiserpalais on
Friday, Dec. 5th, 2014. Tickets will be
available on site.

Guided tours of the Heart Center NRW
will be offered on request.

Announcement

Next year's EuMS meeting will take place
in Paris, France.
Dec. 2nd – 5th, 2015



European Mechanical Circulatory Support Summit



- 1** Herzzentrum NRW
- 2** Theater Im Park
- 3** Arcardia Hotel
- 4** Hotel Mercure Bad Oeynhausen City
- 5** Privathotel Stickdorn
- 6** Bahnhof/Railway Station

Bad Oeynhausen City



This image shows a blank sheet of lined paper. The top portion of the page is a solid orange header. A vertical red line runs down the left side of the page, creating a margin. The main body of the page is white and contains 22 horizontal grey lines, providing space for writing.



EUMS

Paris – Bad Oeynhausen

