



UNIVERSITÄTSSPITAL BERN
BERN UNIVERSITY HOSPITAL

3rd European Training Symposium (ETS) for Heart Failure Cardiologists and Cardiac Surgeons
Mechanical Circulatory Support and Heart Transplantation:
Taking a deep Dive and looking over the Border

University Hospital Bern, Auditorium Ettore Rossi, June 24–25, 2016

A panoramic view of Bern, Switzerland, showing the city's red-roofed buildings, the Zytglogger tower, and the snow-capped Alps in the background under a clear blue sky.

Training Symposium



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European Registry for Patients with
Mechanical Circulatory Support e.V.

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**3rd European Training Symposium (ETS) for
Heart Failure Cardiologists & Cardiac Surgeons**

Mechanical Circulatory Support and Heart Transplantation: Taking a deep Dive and looking over the Border

University Hospital Bern, Auditorium Ettore Rossi, June 24–25, 2016

Organizing Committee:

Prof. Paul Mohacsi, Bern / Prof. Jan Gummert, Bad Oeynhausen / Prof. Thierry Carrel, Bern

Patronage:



European Board for Accreditation in Cardiology

In compliance with EBAC/ EACCME guidelines, all speakers/ chairpersons participating in this program have disclosed potential conflicts of interest that might cause a bias in the presentations. The Organizing Committee is responsible for ensuring that all potential conflicts of interest relevant to the program are declared to the audience prior to the CME activities.»

Welcome in Berne

3rd European Training Symposium (ETS) for Heart Failure Cardiologists and Cardiac Surgeons

End stage heart failure, needing mechanical circulatory support (MCS) or heart replacement (HTx) is an increasing daily challenge. Shortage of cardiac allografts led to medical and mechanical bridge-to-transplant strategies. Medical and device therapies have strong evidence, and MCS is meanwhile established as destination therapy. Additional very fast technological progress can be expected. – On the other hand, pig-to-baboon xenotransplantation just recently reached a survival time of 945 days. – It's time to take a deep dive and to look over the border.

Current burning questions are:

- Which patients should be treated medically & with devices?
Which patients should be considered for MCS & HTx?
- Shall we develop a new paradigm for HTx, only for selected patients?
- Which patient «deserves» a cardiac allograft ... only younger patients? ... or only patients with a grown-up congenital heart disease (GUCH)?
- Which patient «deserves» a VAD as bridge to transplant or destination therapy?
- HTx: Can we still learn from transplantation immunology?
- Is xenotransplantation still an option for overcoming shortage of cardiac allografts?
- What can we learn from other specialists, such as material scientists, crystallographers and robotic engineers?
- How can we overcome serious adverse events in MCS?
- How can we address bleeding problems in MCS patients with mandatory anticoagulation?
- Can we collect European registry data on MCS on a high level of quality?

Who will profit from this Symposium?

- Cardiologists
- Perfusionists and VAD Coordinators
- Physicians (Internal Medicine)
- MTA's (medical technical assistants)
- Cardiac Surgeons
- General Practitioners
- Nurses (especially nurses who are interested in heart failure)
- Health insurances

Program

Friday, June 24, 2016

| | | |
|---------------|----------------|--|
| 08.00 – 08.15 | Welcome | J. Gummert (Bad Oeynhausen, GE) T. Carrel (Berne, CH) P. Mohacsi (Berne, CH) M. Täuber (Rector, Univ. of Berne, CH) |
|---------------|----------------|--|

Heart Failure & Heart Transplantation 1

| | Chairs: | J. Gummert (Bad Oeynhausen, GE) P. Mohacsi (Berne, CH) |
|---------------|---|---|
| 08.15 – 08.45 | ESC guidelines 2016: What's new? | B. Pieske (Berlin, GE) |
| 08.45 – 09.15 | Lack of organ donors: What are the «true» reasons? What is a realistic expectation ? | F. Immer (Berne, CH) |
| 09.15 – 09.45 | Key note lecture: Crisis awaiting heart transplantation: sinking the life boat | J. Rogers (Durham, US) |
| 09.45 – 10.00 | Discussion | |
| 10.00 – 10.30 | Coffee break | |

Mechanical Circulatory Support 1 (a VAD for all patients first?)

Chairs:

M. Slaughter (Louisville, US)
T. Carrel (Berne, CH)

A new paradigm – cardiac transplant only for selected patients?:

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|---------------|---|---------------------------------|
| 10.30 – 11.00 | Which patient «deserves» a cardiac allograft (age, GUCH-patient)? | J. Gummert (Bad Oeynhausen, GE) |
| 11.00 – 11.30 | Which patient «deserves» a VAD as destination therapy? | D. Zimpfer (Vienna, AT) |

Chairs:

U. Steinseifer (Aachen, GE)
N. Uriel (Chicago, US)

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| 11.30 – 12.00 | Lessons learned from Endurance, Roadmap / Medimacs and how to go forward ? | M. Slaughter (Louisville, US) |
| 12.00 – 12.30 | Pediatric heart replacement – update 2016 | B. Stiller (Freiburg, GE) |
| 12.30 – 13.30 | Lunch | |

Heart Transplantation 2

Chairs:

H. Reichenspurner (Hamburg, GE)
J. Rogers (Durham, US)

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|---------------|--|--------------------------------|
| 13.30 – 13.50 | Assessment of rejection: Pharmacodynamics (markers: FOXP3, ATP, IL10, dd cfDNA, GEP) | U. Schulz (Bad Oeynhausen, GE) |
| 13.50 – 14.15 | Xenotransplantation in 2016 | S. Guethhoff (Munich, GE) |

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| 14.15 – 14.40 | Transplant immunology leading to novel insights in pathophysiology of restenosis | S. Schrepfer (San Francisco, US) |
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Special Lecture:

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|---------------|---|---|
| 14.40 – 14.45 | Introduction | P. Mohacsi (Berne, CH) |
| 14.45 – 15.15 | X-ing the border 1: Materials Sciences and MCS | A. Dommann (St. Gallen & Berne, CH) («Materials meet Life» – Swiss Fed. Labs. for Materials, Science and Technology) |

15.15 – 15.45 **Coffee break**

Mechanical Circulatory Support 2 (Treatment of adverse events)

Chairs:

L. Englberger (Berne, CH)
R. Hullin (Lausanne, CH)

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| 15.45 – 16.10 | Adverse event management (prophylaxis & treatment) | V. Sigurdardottir (Berne, CH) |
| 16.10 – 16.35 | Plasma therapy of driveline infection | L. Hilker (Karlsburg, GE) |
| 16.35 – 16.55 | Management of emergencies | J. Vierecke (Berne, CH) |
| 16.55 – 17.25 | Engineering a heart pump | A. Fleischli (Zurich, CH) |

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| 19.30 | Symposium Dinner (ticket requested) | Ristorante Lorenzini, Berne (Salon Grand Société) |
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Saturday, June 25, 2016

Mechanical Circulatory Support 3 (Anticoagulation)

| Chairs: | | D. Feldman (Cincinnati, US) J. Schefold (Berne, CH) |
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| 08.00 – 08.30 | Aquired von Willebrand and MCS | N. Uriel (Chicago, US) |
| 08.30 – 09.00 | Management of anticoagulation & antiplatelet therapy in patients with LVADs | L. Baumann Kreuziger (Milwaukee, US) |
| 09.00 – 09.30 | The balance of bleeding and thrombosis: a personalized anticoagulation scheme | D. Feldman (Cincinnati, US) |
| 09.30 – 10.00 | Shear stress: Computer simulation of coagulation and blood trauma | D. Ku (GIT, Atlanta, US) |

Special Lecture:

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|---------------|---|-----------------------------------|
| 10.00 – 10.30 | X-ing the border 2: Most advanced mini robot for medical use | S. Pané i Vidal (ETH, Zurich, CH) |
| 10.30 – 11.00 | Coffee break | |

Registry Data

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|---------------|-----------------|--------------------------|
| 11.00 – 11.15 | EUROMACS-Report | T. de By (The Hague, NL) |
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Mechanical Circulatory Support 4 (EUROMACS meets EACTS)

| Chairs: | | F. Beyersdorf (Freiburg, GE) P. Leprince (Paris, F) |
|---------------|--|--|
| 11.15 – 11.40 | What should we do next? | R. Hetzer (Berlin, GE) |
| 11.40 – 12.05 | How to treat the right ventricle | J. Rogers (Durham, US) |
| 12.05 – 12.25 | Controlled integrated Resuscitation Device (CIRD) in the streets | F. Beyersdorf (Freiburg, GE) |
| 12.25 – 12.45 | ECMO update 2016 | P. Leprince (Paris, FR) |
| 12.45 – 13.05 | Temporary MCS for Bridge-to-Candidacy? | D. Reineke (Berne, CH) |
| 13.05 | Adjourn | P. Mohacsi (Berne, CH) |

Participating Representatives of Euromacs

Executive Board Members

- | | | |
|----------------|---------------------|--------------------|
| – Jan Gummert | Bad Oeynhausen (GE) | Executive Chairman |
| – Paul Mohacsi | Berne (CH) | Deputy Chairman |
-

Extended Board Member

- | | |
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| – Pascal Leprince | Paris (FR) |
|-------------------|------------|
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Honorary Member

- | | |
|-----------------|-------------|
| – Roland Hetzer | Berlin (GE) |
|-----------------|-------------|

Faculty

- | | | | |
|---------------------------|------------------------|---------------------------|--------------------|
| – Baumann Kreuziger, Lisa | Milwaukee, US | – Schrepfer, Sonja | San Francisco, US |
| – Beyersdorf, Friedhelm | Freiburg, GE | – Schefold, Jörg | Berne, CH |
| – Carrel, Thierry | Berne, CH | – Schulz, Uwe | Bad Oeynhausen, GE |
| – de By, Theo | The Hague, NL | – Sigurdardottir, Vilborg | Berne, CH |
| – Dommann, Alex | St. Gallen & Berne, CH | – Slaughter, Mark | Louisville, US |
| – Englberger, Lars | Berne, CH | – Steinseifer, Ulrich | Aachen, GE |
| – Feldman, David | Cincinnati, US | – Stiller, Brigitte | Freiburg, GE |
| – Fleischli, Andreas | Zurich, CH | – Täuber, Martin | Berne, CH |
| – Guetthoff, Sonja | Munich, GE | – Uriel, Nir | Chicago, US |
| – Gummert, Jan | Bad Oeynhausen, GE | – Vierecke, Juliane | Berne, CH |
| – Hetzer, Roland | Berlin, GE | – Zimpfer, Daniel | Vienna, AT |
| – Hilker, Lutz | Karlsburg, GE | | |
| – Hullin, Roger | Lausanne, CH | | |
| – Immer, Franz | Berne, CH | | |
| – Ku, David | Atlanta, US | | |
| – Leprince, Pascal | Paris, FR | | |
| – Mohacsi, Paul | Berne, CH | | |
| – Pané i Vidal, Salvador | Zurich, CH | | |
| – Pieske, Burkert | Berlin, GE | | |
| – Reichensperner, Hermann | Hamburg, GE | | |
| – Reineke, David | Berne, CH | | |
| – Rogers, Joseph G. | Durham, US | | |

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General information

Scientific Directors:

Prof. Paul Mohacsi, Berne (chair)
Prof. Jan Gummert, Bad Oeynhausen
Prof. Thierry Carrel, Berne

Organization / Secretariat:

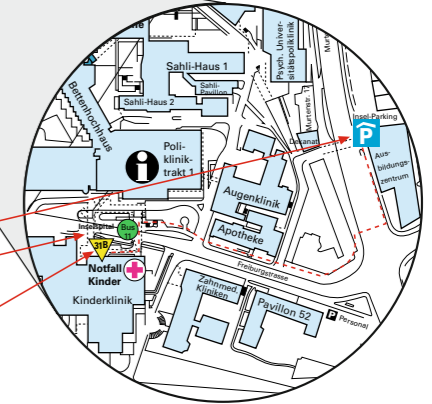
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Symposium Location:

Auditorium Ettore Rossi
University Hospital Berne
3010 Berne, Switzerland

Arrival by train: bus 11, direction «Holligen»,
stop «Inselspital»

Arrival by car: Highway exit «Forsthaus»,
then direction «Inselspital/Zentrum, Bahnhof»,
approx. 800 meters to the «Parking Inselspital» at Murtenstrasse



Parking Inselspital

Busstop Inselspital

Auditorium Ettore Rossi
Entrance 31B

www.mcs-ets.org

Registration and registration fee

Please register for the symposium by June 13th, 2016 to alessandra.witsch@insel.ch

symposium website: www.mcs-ets.org

The registration fee for attendees is EUR 570.00.

The fee includes registration fee, 2 nights hotel accommodation in a nice hotel, coffee breaks during the symposium, lunch on Friday and the symposium dinner on Friday evening.

Hotel:

Pre-bookings for accommodation for attendees and for speakers have already been made and information will be sent with the registration confirmation.

Social Events:

Symposium Dinner, Friday, 24 June 2016 in the Ristorante Lorenzini, Berne (Salon Grand Soci  t  ). **Tickets requested!**

The ETS Symposium is supported by the Katharina Huber-Steiner Foundation

Participation of three training symposia will allow to apply for an EUROMACS certification.

CME – Credits

National Organizations:

Swiss Society of General Internal Medicine (SGAIM): 6.5 Credits

Swiss Society of Cardiology (SGK): 12 Credits A1

Swiss Society of Heart and Cardiovascular Surgery (SGHC): 12 Credits

International Organizations:

European Board for Accreditation in Cardiology (EBAC): The 3rd ETS Symposium is accredited by the European Board for Accreditation in Cardiology (EBAC) for 10 CME credit hours (*Day #1: 6 CME credits - Day #2: 4 CME credits*).

Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

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