



39th Myron B. Laver International Postgraduate Course

Perioperative Management of Patients with Heart Failure



Dear Participant

Cardiovascular diseases are the most frequent cause of death in Switzerland, ranking third among all causes for hospitalizations. Heart failure is a chronic condition and accounts for up to 20% of these numbers. This amounting to about 150,000 patients who suffer from heart failure in Switzerland. With improvements in treatment, survival for first time manifestations of heart failure is improving, but survivors are becoming candidates for recurrent hospitalizations.

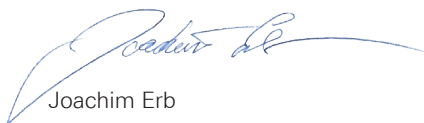
Many of these patients need to undergo surgery, not only for interventions addressing their cardiac disease, but also for concomitant disease requiring surgery. Due to their medical conditions, these high-risk patients require the best possible perioperative treatment in order to minimize morbidity and mortality. This requires a thorough understanding of all aspects of diagnosis, pathophysiology, and treatment of heart failure and represents the aim of this year's MBL.

The first session describes the impact of imaging modalities in the diagnosis and treatment of heart failure, continues with medical treatment today and in the future before looking into preoperative assessment and optimization as well as intraoperative monitoring and care of heart failure patients.

During the afternoon session, resynchronization therapy is followed by ventricular assist device implantation. Impressive advances have been made in this field, allowing patients to regain a remarkable quality of life. Physiology and pathophysiology will dominate when right ventricular physiology in the presence of a left ventricular assist device and heart-lung interaction are discussed. Another fascinating topic is heart failure with preserved ejection fraction.

The second day is devoted to all aspects of intensive care medicine in heart failure patients, from conservative management to several modalities of mechanical support, ending with palliative care when the prognosis of heart failure patients is our topic.

We welcome you to Basel to update yourself on all aspects of perioperative care in heart failure patients and to join the discussion on how care can be improved in the future.



Joachim Erb

Session I: Basics and Diagnostics

Moderator: L. Steiner

Friday, February 1, 2019 (Morning Session)

08.15 – 09.00 **Registration in the ZLF lobby**

09.00 – 09.15 Welcome/Introduction

09.15 – 09.45 Cardiac Imaging J. Bremerich
Basel, Switzerland

09.45 – 10.15 Medical Treatment of Heart Failure O. Pfister
Basel, Switzerland

10.15 – 10.45 Contemporary Inotropic Agents and Future
Directions in Acute Heart Failure Treatment M. Siegemund
Basel, Switzerland

10.45 – 11.15 **Coffee Break**

11.15 – 11.45 Preoperative Assessment and Optimization
of Patients with Severe Chronic Heart Failure G. Martinez
Cambridge, UK

11.45 – 12.15 Intraoperative Monitoring of Heart Failure
Patients During Non-Cardiac Surgery J. Renner
Kiel, Germany

12.15 – 13.00 Discussion with all speakers

Session II: Perioperative Management

Moderator: J. Erb

Friday, February 1, 2019 (Afternoon Session)

14.15 – 14.45	Cardiac Resynchronization Therapy (CRT)	C. Sticherling Basel, Switzerland
14.45 – 15.15	Ventricular Assist Devices	M. Grapow Basel, Switzerland
15.15 – 15.45	Physiology of RV Function and RV Failure During LVAD Implantations	S. Rex Leuven, Belgium

15.45 – 16.15 Coffee break

16.15 – 16.45	Heart Failure with Preserved Ejection Fraction	S. Treskatsch Berlin, Germany
16.45 – 17.15	Heart – Lung Interaction	M. R. Pinsky Pittsburgh, PA, USA

Discussion with all speakers

17.45 – 18.30	Guest lecture	H. McLure Leeds, UK
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18.30 Close of scientific session

18.30 Alumni dinner (for those who have reserved)

Session III: Intensive Care

Moderator: H. Pargger

Saturday, February 2, 2019

08.15 – 09.00 **Coffee and croissants**

09.00 – 09.30	Conservative Management of Acute Cardiac Failure and Cardiogenic Shock in the ICU	E. Gayat Paris, France
09.30 – 10.00	Cardiogenic Shock: From ECMO to Impella and Beyond	S. Unai Cleveland, OH, USA
10.00 – 10.30	Management of Atrial Fibrillation and Other Arrhythmias in Patients with Cardiac Failure in the ICU	A. Rudiger Zurich, Switzerland
10.30 – 11.00	Prognosis in Heart Failure and Transition to Palliative Care	O. Pfister, H. Pargger Basel, Switzerland

11.00 – 11.30 Discussion with all speakers

11.30 Close of scientific session

Faculty

(in alphabetical order)

Jens Bremerich, MD, Professor, Head of Cardiothoracic Radiology, Department of Radiology and Nuclear Medicine, University Hospital Basel, Switzerland

Joachim Erb, MD, Head of Cardiovascular Anesthesia, Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, Switzerland

Etienne Gayat, MD, PhD, Associate Professor of Medicine, Lariboisière University Hospital, University of Paris Diderot, Paris, France

Martin Grapow, MD, Professor, Deputy Head of Cardiac Surgery, Department of Surgery, University Hospital Basel, Switzerland

Guillermo Martinez, MD, Consultant in Cardiothoracic Anaesthesia & Intensive Care, Royal Papworth Hospital NHS Foundation Trust, Papworth Everard, Cambridge, United Kingdom

Hamish McLure, MD, Deputy Chair, Royal College of Anaesthetists, London; Clinical Director, Anaesthetics Department, St. James University Hospital, Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom

Hans Pargger, MD, Professor, Head of Surgical Intensive Care, Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, Switzerland

Otmar Pfister, MD, Professor, Research Group Leader, Department of Clinical Research; Head of Ambulatory Cardiology, Department of Cardiology, University Hospital Basel, Switzerland

Michael R. Pinsky, MD, CM, Dr hc, Professor of Critical Care Medicine, Bioengineering, Anesthesiology, Cardiovascular Diseases, and Clinical & Translational Science, Critical Care Medicine, University of Pittsburgh, PA, USA

Jochen Renner, MD, Assistant Professor, Senior Consultant, Department of Anesthesiology and Surgical Intensive Care, Schleswig-Holstein University Hospital, Kiel Campus, Kiel, Germany

Steffen Rex, MD, PhD, Professor, Department of Anesthesiology, University Hospitals Leuven; Department of Cardiovascular Sciences, KU Leuven, Belgium

Alain Rudiger, MD, Privat-docent, Deputy Head of Intensive Care, Unit for Cardiac and Vascular Surgery, Institute for Anesthesiology, University Hospital Zurich, Switzerland

Martin Siegemund, MD, Professor and Deputy Head of Surgical Intensive Care, Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, Switzerland

Luzius A. Steiner, MD, PhD, Professor and Chairman, Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, Switzerland

Christian Sticherling, MD, Professor, Head of Electrophysiology, Department of Cardiology, University Hospital Basel, Switzerland

Sascha Treskatsch, MD, Professor, Director, Department of Anesthesiology and Intensive Care Medicine, Campus Benjamin Franklin, Charité - Universitätsmedizin Berlin, Corporate Member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Berlin, Germany

Shinya Unai, MD, Department of Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH, USA



General Course Information

- Hosted by: Department for Anesthesia, Surgical Intensive Care,
Prehospital Emergency Medicine and Pain Therapy
University Hospital Basel
Basel, Switzerland
- Address for Correspondence: 39th MBL International Postgraduate Course
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E-mail: myronblaver@usb.ch
Website: <http://www.anaesthesia.ch> (Anlässe)
- Language: English (no simultaneous translation will be available)
- On-line Registration: <http://www.anaesthesia.ch> (Anlässe) **(online registration is preferred)**
- On-site Registration and Information: Registration begins on Friday, February 1, 2019 at 8:15 a.m. in the foyer of the „Zentrum für Lehre und Forschung“ (ZLF), Hebelstrasse 20. The registration and information desk will be open during the entire proceedings.
- Information Registration Fee: The cost of the course is CHF 400. **Please register by January 18, 2019** so that we can give an approximate number to the caterers. A payment invoice will automatically be issued to your billing address upon registration.
- Note: Credit cards cannot be accepted for the registration fee.
- Lunch Ticket: Lunch tickets for Friday are available for CHF 30. If you wish to attend, this cost should be included with your registration fee.
- Alumni Dinner: An alumni dinner will be served at Restaurant Safran Zunft, Gerbergasse 11, 4001 Basel for faculty and participants immediately after the last session on Friday. The cost of CHF 60 should be included with your registration fee if you plan to attend. Limited space is available.

General Course Information

Swiss Credit Points: **SSAR/SGAR:** 11.5 points
SGI: 10 points

Hotel Reservations: Basel Tourismus Tel: +41 (0) 61 268 68 68
or <http://www.baseltourismus.ch>

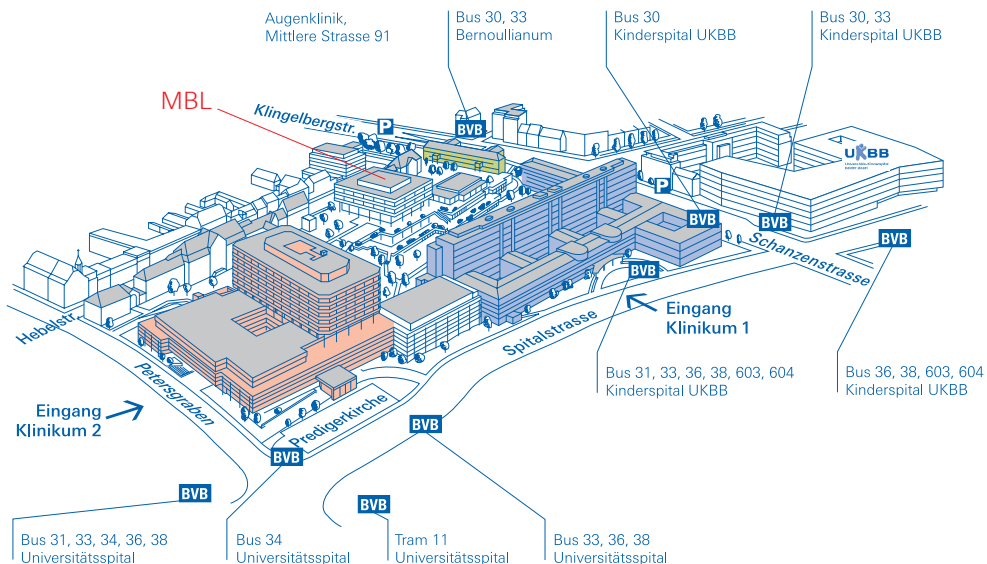
Venue: Small Auditorium
University Hospital Basel Congress Center
Zentrum für Lehre und Forschung (ZLF)
Hebelstrasse 20
CH-4031 Basel, Switzerland
Phone +41 (0) 61 265 72 54

Travel by Train: Arriving at Basel SBB: Take Bus 30; get off at the stop "Bernoullianum".
Head down the hill, taking a right onto Hebelstrasse. The venue will be labeled.

Travel by Car: Arriving via expressway to Basel City, then follow road sign labeled
„Universitätsspital". Limited parking is available in City Parking on
Klingelbergstrasse 20 / Schanzenstrasse 48 with a pedestrian entry /
exit at Hebelstrasse 20.

Travel by Air: Arriving at EuroAirport Basel-Mulhouse-Freiburg: Take Bus 50 to the
stop "Bahnhof SBB"; change to Bus 30; get off at the stop "Bernoullia-
num". Head down the hill, taking a right onto Hebelstrasse. The venue
will be labeled.





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