35th Myron B. Laver International Postgraduate Course

Perioperative Care of the Trauma Patient
Entgleisungen in der Intensivmedizin vermeiden

Wo Leben in Gefahr ist, sind überdurchschnittliche Leistungen gefragt. CSL Behring stellt sich dieser Herausforderung seit mehr als 100 Jahren: mit der Entwicklung hochwertiger Medikamente, mit engagiertem Wissenstransfer und innovativem, flächendeckendem Service.

Dear Participant

Over the last two decades, the appearance of trauma patients in Switzerland, and presumably in all of Western Europe, has changed. Traffic safety regulations, modern car technology, speed limitations and general overcrowding of our roads and motorways have altered the feature of major trauma; incidences have declined; patterns and mechanisms are different; and one advantage of the early days – trauma patients being young, male, and previously healthy individuals – has diminished.

At the same time, our perspectives on multiple trauma, treatment options, and surgical strategies look different. New insights into prehospital stabilization, early management of shock and volume resuscitation, prevention of coagulation disorders, diagnosis and radiologic imaging, damage-controlled or non-invasive surgery along with trauma anesthesia and perioperative intensive care have modified our conceptual framework for major trauma patients.

This postgraduate course will address some of these aspects of modern trauma treatment. We will first cover the epidemiology and basic physiological context of trauma, address important aspects of preoperative survey, damage control radiology, intra- and postoperative treatment, and finish with specific trauma and intensive care topics including rehabilitation.

Switzerland is a «safe» country and major trauma has become a rare event. Political stakeholders have allocated the care of victims of major trauma to designated centers, but even these do not achieve a high caseload, and, not quite unexpected for a strong federalist country, the decision is not well-accepted everywhere. Effective care of the seriously-injured patient requires the skills of clinicians of several medical specialties and appropriate organizational conditions. Provision of quality of care is not automatically guaranteed by declaring a hospital as a trauma center, and the diminishing figures of major trauma patients make routine high-standard procedures an ongoing challenge.

Wolfgang Ummenhofer
Friday, January 30, 2015 (Morning Session)

08.15 – 09.00  Registration in the ZLF lobby

09.00 – 09.15  Welcome/Introduction

09.15 – 09.45  Be Aware of Sunday Afternoons in Summer! R. Lefering
Trauma Epidemiology from a Registry Cologne, Germany

09.45 – 10.15  Role of the Swiss Trauma System TBD

10.15 – 10.45  Fluid Resuscitation D. Chappell
Munich, Germany

10.45 – 11.15  Coffee Break

11.15 – 11.45  Traumatic Brain Injury in Switzerland: M. Zuercher
Does Prehospital Care Matter? Basel, Switzerland

11.45 – 12.15  Imaging and Interventional Radiology C. J. Zech
in Trauma Management Basel, Switzerland

12.15 – 13.00  Discussion with all speakers
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
</tr>
</thead>
</table>
Hamilton, Canada                               |
Sydney, Australia                                |
| 15.15 – 15.45| Coagulation Management                                                  | O. Theusinger  
Zurich, Switzerland                               |
| 15.45 – 16.15| **Coffee break**                                                        |                                                 |
| 16.15 – 16.45| The Anesthesiologist’s Role in Pediatric Trauma Care                    | S. A. Sharar  
Seattle, WA, USA                                  |
| 16.45 – 17.15| Craniectomy in Traumatic Brain Injury                                   | P. Hutchinson  
Cambridge, UK                                        |
| 17.15 – 17.45| Discussion with all speakers                                             |                                                 |
| 17.45 – 18.30| Guest lecture                                                           | B. Moore  
Zurich, Switzerland                               |
| 18.30         | Close of scientific session                                             |                                                 |
| 18.30         | Alumni dinner (for those who have reserved)                             |                                                 |
Session III: Intensive Care and Rehabilitation

Moderator: H. Pargger

Saturday, January 31, 2015

08.15 – 09.00  Coffee and croissants

09.00 – 09.30  Multi-stage Approach  
M. Jakob  
Basel, Switzerland

9.30 – 10.00  Abdominal Compartment Syndrome-When to Open... How to Close  
S. K. D’Amours  
Sydney, Australia

10.00 – 10.30  Hope and Hype in Human Spinal Cord Injury?  
A. Curt  
Zurich, Switzerland

10.30 – 11.00  Rehabilitation of Patients with Critical Illness-Polyneuropathy  
M. Hund-Georgiadis  
Basel, Switzerland

11.00 – 11.30  Discussion with all speakers

11.30  Close of scientific session
Faculty

(in alphabetical order)

Daniel Chappell, MD, PhD, Clinic for Anesthesiology, Ludwig-Maximilians University, Munich, Germany

Armin Curt, MD, FRCPC, Professor of Spinal Cord Injury Research, University of Zurich; Director of the Spinal Cord Injury Center, University Hospital Balgrist, Zurich, Switzerland

Scott K. D’Amours, MDCM, FRCS(C), FRACS, Senior Lecturer in Surgery, The University of New South Wales; Director, Trauma Department, Liverpool Hospital, Sydney, NSW, Australia

Richard P. Dutton, MD, MBA, Professor, Executive Director, Anesthesia Quality Institute, Park Ridge, IL, USA

Margret Hund-Georgiadis, MD, Associate Professor, Chief Physician and Medical Director, REHAB Basel, Centre for Paraplegia and Craniocerebral Injury Trauma Patients, Basel, Switzerland

Peter Hutchinson, BSc (hons), MBBS, PhD, FRCS (Surg Neurol), Professor of Neurosurgery, Senior Academy Fellow and Honorary Consultant Neurosurgeon; Professor and Head of Department of Neurosurgery and Academy of Medical Sciences / Health Foundation Senior Surgical Scientist Fellowship within the Department of Clinical Neurosciences, University of Cambridge; Honorary Consultant and Neurosurgeon, Addenbrooke’s Hospital; John van Geest Centre for Brain Repair, School of Clinical Medicine, Addenbrooke’s Hospital, Cambridge, UK

Marcel Jakob, MD, Professor, “Chief of Staff”, Surgical Head of the Emergency Department, Head of Traumatology and Lower Extremities, Department of Surgery, University Hospital Basel, Basel, Switzerland

Rolf Lefering, MD, Professor, Institut für Forschung in der Operativen Medizin (IFOM), Lehrstuhl für Chirurgische Forschung, Private Universität Witten/Herdecke GmbH, Cologne, Germany

Ben Moore, PhD, Professor of Astrophysics, Director, Centre for Theoretical Astrophysics & Cosmology, Institute for Computational Science, University of Zurich, Switzerland

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

Sam R. Sharar, MD, Professor, Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, USA

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

Oliver M. Theusinger, MD, Privat Docent, Leitender Notarzt bei Schutz und Rettung Zürich; Oberarzt, Institute for Anesthesiology, University Hospital and University of Zurich, Zurich, Switzerland

Wolfgang Ummenhofer, MD, Associate Professor, Head of Prehospital Emergency Medicine, Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, University Hospital Basel, Basel
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: 35th MBL International Postgraduate Course
Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy
University Hospital Basel
CH 4031 Basel, Switzerland
Phone: +41 61 265 72 58
Fax: +41 61 265 73 20
E-mail: anaesthesie@usb.ch
Website: http://www.anaesthesia.ch/mbl

Language: English (no simultaneous translation will be available)

On-line Registration: http://www.anaesthesia.ch/mbl (online registration is preferred)

On-site Registration and Information: Registration begins on Friday, January 30, 2015 at 8:15 am 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 17, 2014 so that we can give an approximate number to the caterers. Payment should be made in Swiss francs by using the enclosed payment slip or via e-banking to Credit Suisse, CH-8070 Zurich, Switzerland, in favour of “Verein zur Foerderung von Wissenschaft und Ausbildung am Departement Anaesthesie der Universitaet Basel” (IBAN: CH12 0483 5060 1315 8100 0, SWIFT/BIC: CRESCHZ40A).
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.

Buffet Dinner: A buffet dinner will be served in the Holsteinerhof (Hebelstrasse 30) of the University Hospital Basel for faculty and participants immediately after the last session on Friday. The cost of CHF 50 should be included with your registration fee if you plan to attend. Limited space is available.
General Course Information

Swiss Credit Points: **SSAR/SGAR:** To be announced  
**SGI:** To be announced  
**SGNOR:** To be announced

Hotel Reservations: Basel Tourismus Tel: +41 (0) 61 268 6868 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 7254

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 “Bernoullianum”. Head down the hill, taking a right onto Hebelstrasse. The venue will be labeled.
The 35th Myron B. Laver International Postgraduate Course is sponsored in part by:

Allison Dwileski
Department for Anesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy

University Hospital Basel
CH- 4031 Basel, Switzerland
Phone  +41 61 265 72 58
Fax: +41 61 265 73 20
E-mail: anaesthesie@usb.ch
www.usb.ch

anandic Medical Systems
Sintetica®
Pulsion Medical Systems
MSD
Abbott Nutrition
CSL Behring