

13th European Postgraduate Course in Neonatal and Pediatric Intensive Care Medicine

March 14-16, 2019

**University Children's Hospital, Inselspital, Bern, Switzerland
Endorsed by ESPNIC – The European Society of
Paediatric and Neonatal Intensive Care**

2nd Bedside Ultrasound Workshop in Pediatric Emergency, Neonatal and Intensive Care Medicine

March 12-13, 2019

**Hosted by the Children's University Hospital of Philadelphia
and the Children's University Hospital of Bern**



Accreditation for CME

Final program

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Welcome address

Welcome to Bern and great to see you at the 13th European Postgraduate Course in Neonatal and Pediatric Intensive Care Medicine, which follows a significant number of previous courses organized by Prof. Jürg Pfenniger and PD Bendicht Wagner on our campus.

In 2019 we touch again on different and important topics in our field of practice – from the neonatal to the adolescent patient. The international course faculty, a fine mixture of speakers from different parts of the world, will be complemented by a number of short and interesting cases presented by physicians from our local University Children's Hospital and perspectives from our colleagues in the adult intensive care medicine setting.

We have one industry sponsored symposium (Berlin Heart GmbH, Berlin, Germany and Mussler Medical Supply, Lausanne, Switzerland) which will be held on Friday evening (a light dinner will be served).

Please fill out the evaluation forms – and it would be very helpful if you could provide topics or speakers for future courses. We would be very pleased to see you again in 2021 (mark your calendar: April 16 – 18, 2021).

Thank you again for coming, I hope you enjoy the lectures and discussions – and with your active participation you will move the course to an even higher level.

Best,



Tilman Humpl
Course Chairman

Head, Pediatric Intensive Care and Neonatology
Children's Hospital, University of Bern
Inselspital, 3010 Bern
Switzerland



Organization and Accreditation

Scientific Secretariat:

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Organization and Accreditation

International Accreditation

The accreditation of the 13th European Postgraduate Course in Neonatal and Pediatric Intensive Care Medicine by the European Accreditation Council for Continuing Medical Education (EACCME) is pending.

The accreditation of the 2nd Bedside Ultrasound Workshop in Pediatric Emergency Medicine, Neonatal and Intensive Care Medicine (Bern, Switzerland, March 12–13, 2019) by the European Accreditation Council for Continuing Medical Education (EACCME) is pending.

National Accreditation

The Course (March 14–16, 2019) is accredited by the following national societies:

Swiss Society of Paediatrics (SGP/SSP): 18 Credits

Swiss Society for Emergency and Rescue Medicine (SGNOR/SSMUS): 10 Credits



Faculty

Course Faculty and Session Chairs:

Agyeman, Philipp MD	Consultant, Pediatric Infectious Diseases, Inselspital, Bern University Hospital, CH
Ahrens, Olaf MD	Attending Physician, Division of Neonatology, Inselspital, Bern University Hospital, CH
Berg, Robert MD	Professor, Division Chief, Critical Care Medicine, PICU, The Children's Hospital of Philadelphia, USA
Berger, David, MD	Senior Consultant, Department of Intensive Care Medicine, Inselspital, Bern University Hospital, CH
Berger, Markus MD	Senior Consultant Neonatology, Inselspital, Bern University Hospital, CH
Bubl, Benedikt MD	Attending Physician, Division of Neonatology, Inselspital, Bern University Hospital, CH
Budäus, Sonja MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Dabek, Martin MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Fusch, Christoph MD	Professor, Chief Physician, Klinik für Jugendliche, Kinder und Neugeborene, Klinikum Nürnberg, DE
Goldman, Allan MD	Chief of Service – Body, Bones + Mind, Group Director – Medicines, Therapies + Tests Directorates, Great Ormond Street Hospital for Children NHS Foundation Trust, London, UK



Faculty

Hänggi, Matthias MD	Senior Attending Specialist, Intensive Care Medicine, Inselspital, Bern University Hospital, CH
Hoffman, George MD	Professor, Medical Director and Chief, Anesthesiology and Cardiac Critical Care, Children's Hospital / Medical College of Wisconsin, Milwaukee, USA
Jakob, Stephan MD, PhD	Professor, Director and Chief Physician, Department of Intensive Care Medicine, Inselspital, Bern University Hospital, CH
Jankov, Robert MD	Professor, Neonatologist / Senior Scientist, Children's Hospital of Eastern Ontario, University of Ottawa, CAN
Kreicbergs, Ulrika PhD, RN	Professor, Palliative Research Centre, Ersta Sköndal Bräcke University, Stockholm, SWE
McDougall, Jane MB ChB FAAP	Acting Head, Senior Consultant Neonatology, Inselspital, Bern University Hospital, CH
Medina, Alberto MD, PhD	Consultant PICU, Hospital Universitario Central de Asturias (Oviedo), ESP
Mendonca, Malaika MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Mérat, Michèle MD	Senior Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Mohseni-Bod, Hadi MD	Paediatrician and intensivist, MSF France BJH Children's Hospital, Liberia, MSF Canada and honorary staff, Hospital for Sick Children, Toronto, CAN



Faculty

Peleg, Kobi MD	Professor, Director, National Center for Trauma & Emergency Medicine Research, The Gertner Institute for Health Policy & Epidemiology, Tel Hashomer, ISR
Pfluger, Marc MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Pross, Lutz MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Redington, Andrew MD	Professor, Head of Cardiology, The Heart Institute, Cincinnati Children's Hospital Medical Center, Cincinnati, USA
Rimensberger, Peter MD	Professor, Medical Director, Service of Neonatology and Paediatric Intensive Care, University Hospital of Geneva, CH
Schefold, Jörg MD	Professor, Chief Physician, Department of Intensive Care Medicine, Inselspital, Bern University Hospital, CH
Scholefield, Barney MD	Clinician Scientist and Consultant in PICU, PICU, Birmingham Children's Hospital and University of Birmingham, UK
Seibel, Kerstin MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH
Setzer, Florian MD	Senior Consultant, Department of Intensive Care Medicine, Inselspital, Bern University Hospital, CH
Simons, Sinno MD, PhD	Neonatologist, Sophia Children's Hospital, Erasmus MC, Rotterdam, NL



Faculty

Stenson, Benjamin MD	Professor, Neonatology, Simpson Centre for Reproductive Health, Royal Infirmary of Edinburgh, Scotland
Terblanche, Marius MD	Senior Attending Physician, Adult Critical Care, Guy's & St. Thomas' Hospital, London, UK
Tschumi, Sibylle MD	Senior Attending Physician Pediatric Nephrology, Inselspital, Bern University Hospital, CH
Ulmer, Francis MD	Attending Physician, Pediatric Intensive Care Unit, Inselspital, Bern University Hospital, CH



Scientific program, March 14, 2019

07:45	Welcome <i>Tilman Humpl</i>
08:00 – 10:00	Session I <i>Chair: Allan Goldman</i> <i>Marc Pfluger</i>
08:00	Optimal practice to prevent, recognize and manage complications related to devices and invasive monitoring in critically ill children <i>George Hoffman</i>
08:30	To cool or not to cool – words of wisdom after randomized controlled trials <i>Barney Scholefield</i>
09:00	Hemodynamics for the pediatric intensivist <i>Andrew Redington</i>
09:30	Critical Care tracheal intubations: can we be saver? <i>Robert Berg</i>
10:00 – 10:30	Coffee break



Scientific program, March 14, 2019

10:30 – 12:00

Session II

*Chair: Christoph Fusch
Jane McDougall*

10:30

From mice to pre-term babies: implications from bench research to current clinical practice

Robert Jankov

11:00

Differences in drug use in the NICU

Sinno Simons

11:30

What is the preferred saturation in extremely pre-term babies?

Benjamin Stenson

12:00 – 13:00

Lunch break

13:00 – 15:00

Session III

*Chair: Robert Berg
Francis Ulmer*

13:00

2019... Is it worthwhile to move on with HFOV after almost 50 years?

George Hoffman

13:30

2019... Is it worthwhile to move on with iNO after almost 30 years?

Peter Rimensberger

14:00

High Flow Nasal Cannula – pro and con

Alberto Medina



Scientific program, March 14, 2019

- 14:30 **Congenital diaphragmatic hernia – preoperative and postoperative fine tuning**
Hadi Mohseni-Bod
- 15:00 – 15:30 Coffee break
- 15:30 – 17:30 **Session IV**
Chair: George Hoffman
Martin Dabek
- 15:30 **Case Presentations**
Sonja Budäus, Michèle Mérat & Malaika Mendonca
- 16:00 **Handover in the ICU: checklist or poetry?**
Allan Goldman
- 16:30 **Palliative Care and end of life in the PICU – ways to improve...**
Ulrika Kreicbergs
- 17:00 **Future PICU – 2040 – Should artificial intelligence take over?**
Marius Terblanche
- 17:30 End of day one



Scientific program, March 15, 2019

08:00 – 10:00

Session V

*Chair: Peter Rimensberger
Bert Hennig*

08:00

Update on Pediatric ARDS

Alberto Medina

08:30

How should we manage in-hospital arrest in 2019?

Robert Berg

09:00

Postoperative analgo-sedation

Barney Scholefield

09:30

Burnout and moral distress in the PICU

Allan Goldman

10:00 – 10:30

Coffee break

10:30 – 12:00

Session VI – Thoughts from the adult intensivists...

*Chair: Andrew Redington
Lutz Pross*

Which ICU patient would I move forward for tracheostomy?

Florian Setzer

How do I treat septic shock?

Jörg Schefold

Delir – have I seen it and how do I deal with it?

Matthias Hänggi



Scientific program, March 15, 2019

Do I care about caloric intake in the intensive care setting?

Stephan Jakob

Which patients are still «pediatric» or and which patients are already «adult»?

David Berger

12:00 – 13:00

Lunch break

13:00 – 15:00

Session VII

Chair: Sino Simmons

Markus Berger

13:00

Is there an optimal time for cord clamping in pre-term neonates?

Benjamin Stenson

13:30

Bedside human milk analysis – Myths and facts

Christoph Fusch

14:00

PDA – fluid restriction, indomethacin, ibuprofen, acetaminophen... All or one?

Robert Jankov

14:30

How to treat neonatal abstinence syndrome

Sinno Simons

15:00 – 15:30

Coffee break



Scientific program, March 15, 2019

15:30 – 17:30	Session IX <i>Chair: Barney Scholefield Kerstin Seibel</i>
15:30	Case presentations <i>Olaf Ahrens, Jane McDougall & Benedikt Bubl</i>
16:00	Mass casualties – how to prepare the Pediatric Critical Care Unit? <i>Kobi Peleg</i>
16:30	Care for critically ill children in the 1st and 3rd world <i>Hadi Mohseni-Bod</i>
17:00	Definition, epidemiology, management and outcome of AKI in the PICU <i>Sibylle Tschumi</i>
18:30 – 20:00	Industry Symposium Berlin Heart GmbH Mussler Medical Supply
20:00	End of day two



Scientific program, March 16, 2019

08:30 – 10:00	Session X <i>Chair: Alberto Medina Tilman Humpl</i>
08:30	Failure of the left or right ventricle: treatment options in the PICU <i>Andrew Redington</i>
09:00	The ideal fluid for resuscitation in children <i>George Hoffman</i>
09:30	ECPR – boon or bane? <i>Robert Berg</i>
10:00 – 10:30	Coffee break
10:30 – 12:15	Session XI <i>Chair: Hadi Mohseni-Bod Michèle Mérat</i>
10:30	New biomarkers for infections: What is relevant for the NICU/PICU? <i>Philipp Agyeman</i>
11:00	Evidence-based medicine in PICU – forget it; personalised medicine is the future <i>Peter Rimensberger</i>
11:30	Telemedicine in the PICU – let's do it! <i>Marius Terblanche</i>
12:00	End of the Course - Closing remarks <i>Tilman Humpl</i>



Workshop, March 12–13, 2019

Workshop Directors

Thomas Conlon, Philadelphia, USA
Bert Hennig, Bern, CH

Workshop Overview and Objectives

Bedside ultrasound is an emerging technology in pediatric acute care settings. Learn how to acquire and interpret bedside ultrasound images in procedural and non-procedural applications. Lectures provided by international multi-discipline pediatric specialists will describe bedside ultrasound techniques and highlight relevant literature supporting applications in practice. Hands-on stations will allow learners the opportunity to practice skills to implement at the bedside in the care of critically ill neonates and children.

Workshop Program

Tuesday, March 12, 2019, 07:15 h – 17:15 h

- Introduction
- Physics and Knobology
- Vascular Access and Procedural Ultrasound
- The Abdominal Exam
- Hands-On (Knobology, Vascular US, Lung US)
- The Cardiac Exam
- Left and Right Ventricular Assessment
- Neonatal Ultrasound
- Hands-On (Apical Views, Parasternal Views, Subcostal Views)



Workshop, March 12–13, 2019

Workshop Program

Tuesday, March 13, 2019, 07:30 h – 16:45 h

- Review
- The Thoracic Exam
- Volume Assessment
- States of Shock
- Hans-On (Shock Assessment, Volume Assessment, The Thoracic Exam)
- Case Review
- Neonatal Head Ultrasound
- Bedside Ultrasound Education and Program Implementation
- Hands-On (Case-Based Integration)
- Concluding Remarks, Evaluation

Workshopleaders

Markus Berger	Neonatology, Inselspital, Bern, Switzerland
Benedikt Tobias Bubl	Neonatology, Inselspital, Bern, Switzerland
Thomas Conlon	Critical Care Medicine, CHOP, Philadelphia, USA
Maria Fraga	Neonatology, CHOP, Philadelphia, USA
Bert Hennig	Pediatric Intensive Care, Inselspital, Bern, Switzerland
Sabine Pallivathukal	Pediatric Cardiology, Inselspital, Bern, Switzerland
Fabrizio Romano	Emergency Department for children and adolescents, Inselspital, Bern, Switzerland
Cordula Scherer	Pediatric Surgery, Inselspital, Bern, Switzerland
Steffen Schmidt	Emergency Department for children and adolescents, Inselspital, Bern, Switzerland



General Information

Venue	Auditorium Ettore Rossi, Inselspital (Kinderklinik), Bern/Switzerland. Bus n° 11 (direction «Holligen») from main railway station to Inselspital, bus stop «Inselspital».
Official language	English, no simultaneous translation
Beginning and end of the Workshop	Tuesday, March 12, 2019, 07:15 h Wednesday, March 13, 2019, 17:00 h
Beginning and end of the Course	Thursday, March 14, 2019, 07:45 h Saturday, March 16, 2019, 12:15 h
Administrative Secretariat before and after the Course	BBS Congress GmbH, Rabbentalstrasse 83, CH-3013 Bern Phone: +41 31 331 82 75, Fax: +41 31 332 98 79 e-mail: peter.salchli@bbscongress.ch, www.bbscongress.ch
Secretariat during the Course	Foyer Ettore Rossi, Inselspital (Kinderklinik), CH-3010 Bern Phone: +41 79 273 06 71
Registration	Please see www.intensivecource.com
Registration Desk – Opening hours	Each registered participant will receive his/her personal documentation at the registration desk, located in the Foyer Ettore Rossi, Children’s Hospital, Inselspital. Thursday March 14, 2019 07:15 – 17:30 h Friday March 15, 2019 07:30 – 18:00 h Saturday March 16, 2019 08:00 – 12:30 h



General Information

Registration fees

(prices in Swiss Francs CHF)

ESPNIC members:

450 CHF (until Dec. 15, 2018),

550 CHF (from Dec. 16, 2018)

Non members:

550 CHF (until Dec. 15, 2018),

650 CHF (from Dec. 16, 2018)

The registration fee includes lunches (March 14 & 15) and coffee breaks (March 14–16).

Remittance of fees

The fees have to be paid in Swiss Francs – clearly stating name of the participant – either by bank transfer to the IBAN account below or by credit card.

Bank: Credit Suisse, Bern

BIC/SWIFT: CRESCHZZ30A

IBAN: CH87 0483 5021 1255 4001 0

Account holder: BBS Congress GmbH,
CH-3013 Bern

Cancellation

Refund less 25% administrative charge may be applied for in writing until February 1st, 2019.

After this date no refund can be made for cancellations.

The participant acknowledges that he/she has no right to lodge damage claims against the organizers should the holding of the Course be hindered or prevented by unexpected political or economic events or generally by force majeure, or should the non-appearance of speakers or other reasons necessitate program changes. With his/her registration the participant accepts this proviso.



General Information

Accommodation	Rooms can be booked online with Bern Incoming GmbH. Please see www.intensivecarecourse.com
Podcast	The participants will have access to podcasts of the conferences after the course.
Public WiFi	Choose WLAN «Public-INSELGRUPPE». Open browser and you'll be directed to the guest portal. Choose «Free WiFi». Enter your mobile number and accept the terms of use. You'll receive a code by short message. Indicate the code in the browser and click on «Registration abschliessen».
Course website	www.intensivecarecourse.com
Workshop website	www.bedsidultrasoundworkshop.com



Sponsors

Exhibitors

Anandic Medical Systems AG Feuerthalen, Switzerland

Hamilton Medical AG Bonaduz, Switzerland

We live for ventilation technology that helps caregivers improve patients' lives. To keep meeting their demands, innovation is vital – realizing visionary ideas and continually improving products, always focusing on patient safety and ease of use.

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Ultrasound Workshop Machines Sponsor

Philips AG, Health Systems Zürich, Switzerland



