

14th European Postgraduate Course in Neonatal and Pediatric Intensive Care Medicine

March 30 – April 1, 2023

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

3rd International Bedside Ultrasound Workshop in Pediatric Emergency, Neonatal and Intensive Care Medicine

March 28 – 29, 2023

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



Final program

Save the date!

**15th European Postgraduate Course
in Neonatal and
Pediatric Intensive Care Medicine**

**March 27-29, 2025
Zentrum Paul Klee Bern**

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Welcome address

Dear colleagues

It is our great pleasure to welcome you to the 14th European Postgraduate Course in Neonatal and Pediatric Intensive Care Medicine here in Bern. Together we can celebrate the 30th anniversary of the course. In 1993 the founder and initiator of the European Postgraduate Course Juerg Pfenninger wrote: «The aim is to have expert presentations, including basic and state-of-the-art aspects.»

Today, 30 years later, with the same aim, we have put together a diverse program that highlights many facets of our fascinating profession.

We look forward to a lively exchange and many interesting discussions.
With best wishes for a successful course.

Sincerely yours

Tom Riedel
Course Chairman



Organization and Accreditation

Scientific Secretariat:

Tom Riedel, Bern (Chairperson)
André Kidszun, Bern
Malaika Mendonça, Bern
Luregn Schlapbach, Zürich
Martin Stocker, Luzern
Volker Umlauf, Bern

Administrative Secretariat:

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www.picu-nicu-course.com



Organization and Accreditation

International Accreditation

Accreditation for European CME Credits (ECMEC) pending.

National Accreditation

The Course (March 30 – April 1, 2023) is accredited by the following national societies:

Swiss Society of Paediatrics: 18 Credits

Swiss Society for Intensive Care Medicine: 18 Credits

Swiss Society for Neonatology: 20 Credits

The Workshop (March 28 - 29, 2023) is accredited by the following national societies:

Swiss Society of Paediatrics: 16 Credits

Swiss Society of Ultrasound Medicine: accreditation pending



Faculty

Course Faculty:

Philipp Agyeman	MD, University Children's Hospital Inselspital Bern CH
Thomas Conlon	Professor, Children's Hospital Philadelphia USA
Matteo Di Nardo	MD, Children's Hospital Bambino Gesù Roma IT
Hendrik Fischer	Privatdozent, Charité Universitätsmedizin Berlin D
Aparna Hoskote	MD, Great Ormond Street Hospital for Children London GB
Matthias Hütten	MD, University Medical Center Maastricht NL
André Kidszun	Privatdozent, University Children's Hospital Inselspital Bern CH
Martin Kneyber	MD, Beatrix Children's Hospital Groningen NL
Bianca Kreiter	MD, University Children's Hospital Inselspital Bern CH
Bea Latal	Professor, University Children's Hospital Zürich CH
Jos Latour	Professor, National University Hospital Plymouth GB
Roger Ludwig	MD, University Hospital Inselspital Bern CH
Graeme MacLaren	Professor, National University Hospital Singapore SGP
Anne-Laure Martin	MD, University Hospital Geneva CH
Malaika Mendonça	MD, University Children's Hospital Inselspital Bern CH
Jean-Marc Nuoffer	Professor, University Children's Hospital Inselspital Bern CH
Martin Olivieri	Privatdozent, Dr. v. Hauner Children's Hospital München D
Angelo Polito	MD, University Hospital Geneva CH



Faculty

Padmanabhan Ramnarayan	MD, Imperial College London GB
Peter Roeleveld	MD, University Medical Centre Leiden NL
Hemmen Sabir	Professor, Universitätsklinikum Bonn D
Nelson Sanchez-Pinto	Professor, Ann & Robert H. Lurie Children's Hospital Chicago USA
Luregn Schlapbach	Professor, University Children's Hospital Zürich CH
Matthias Siepe	Professor, University Hospital Inselspital Bern CH
Martina Steurer	MD, UCSF Benioff Children's Hospital San Francisco USA
Brigitte Stiller	Professor, Universitäts Klinikum Freiburg D
Martin Stocker	Privatdozent, Children's Hospital Luzern CH
Dick Tibboel	Professor, Erasmus MC Sophia Children's Hospital Rotterdam NL
Johannes Trück	Privatdozent, University Children's Hospital Zürich CH
Roelie Wösten-van Asperen	MD, Wilhelmina Children's Hospital Utrecht NL



Scientific program, March 30, 2023

09:00	Welcome <i>Tom Riedel</i>
09:10–10:30	Session Infection 1 <i>Chair: Martin Stocker</i>
09:10	Applying Big Data Science in the PICU <i>Nelson Sanchez-Pinto</i>
09:40	Sepsis – Update 2023 <i>Luregn Schlapbach</i>
10:05	At the crossroad of antimicrobial stewardship and efficient sepsis management <i>Philipp Agyeman, Martin Stocker</i>
10:30–11:00	Coffee break
11:00–12:30	Session Circulation 1 <i>Chair: Nelson Sanchez-Pinto</i>
11:00	Failing Fontan – The surgeon’s view <i>Matthias Siepe</i>
11:15	Failing Fontan – The cardiologist’s view <i>Brigitte Stiller</i>
11:30	ECMO – State of the art 2023 <i>Graeme MacLaren</i>
11:50	ECPR <i>Malaika Mendonça</i>



Scientific program, March 30, 2023

12:10	Pro – Pro: Sensitizer vs. inhibitor <i>Peter Roeleveld, Graeme MacLaren</i>
12:30–14:00	Lunch break
14:00–15:30	Session Neurology 1 <i>Chair: Angelo Polito</i>
14:00	Sedation and PICU delirium: Is there a state of the art? <i>Dick Tibboel</i>
14:20	Pediatric stroke: What’s new – what’s still valid? <i>Martin Olivieri</i>
14:40	Perinatal asphyxia – Therapeutic hypothermia and beyond <i>Hemmen Sabir</i>
15:00	Round table: Neuroprotection in PICU <i>Aparna Hoskote, Hemmen Sabir, Dick Tibboel</i>
15:30–16:00	Coffe break



Scientific program, March 30, 2023

16:45–18:30	Session Respiration 1 <i>Chair: Volker Umlauf</i>
16:45	HFOV – Do we still need it? <i>Martin Kneyber</i>
17:10	Lung ultrasound to guide ventilator settings? <i>Thomas Conlon</i>
17:35	CO₂ in ICU <i>Angelo Polito</i>
18:00	Pro – Con: Lung ultrasound beats Xray <i>Thomas Conlon, Martin Stocker</i>
18:30–20:00	Aperitif: 30 years Postgraduate Course!



Scientific program, March 31, 2023

08:00–09:15	Session Emergencies <i>Chair: Luregn Schlapbach</i>
08:00	Transfusion in the acute settings: State of the art <i>Matteo Di Nardo</i>
08:25	Difficult airway management in ICU <i>Bianca Kreiter</i>
08:50	Delivery room emergencies <i>André Kidszun</i>
09:15–10:30	Session Neurology 2 <i>Chair: Luregn Schlapbach</i>
09:15	Neonatal sedation and analgesia: Long-term considerations <i>Dick Tibboel</i>
09:40	Dexmedetomidin – Magic drug or doubtful evidence <i>Matteo Di Nardo, Dick Tibboel</i>
10:05	Round table: Neurology <i>Matteo Di Nardo, Aparna Hoskote, Dick Tibboel</i>
10:30–11:00	Coffee break
11:00–11:40	Session Infection 2 <i>Chair: Peter Roeleveld</i>
11:00	What have we learned from COVID-19: PIMS <i>Aparna Hoskote</i>



Scientific program, March 31, 2023

- 11:20 **What have we learned from COVID-19:
The Asian-Pacific experience**
Graeme MacLaren
- 11:40–12:30 **Session General & Quality**
Chair: Peter Roeleveld
- 11:40 **Pro – Con: Fluids vs inotropes beyond sepsis**
Graeme MacLaren, Luregn Schlapbach
- 12:10 **The art of Trends in PDMS**
Roger Ludwig
- 12:30–14:00 Lunch break
- 14:00–15:45 **Session Quality**
Chair: André Kidszun
- 14:00 **PICU Outcome 2023**
Bea Latal
- 14:25 **Decision-making in suspected neonatal
early-onset sepsis**
Martin Stocker
- 14:50 **Defining and measuring quality end of life care**
Jos Latour



Scientific program, March 31, 2023

- 15:15 **Challenges and new trends for management of HLHS**
Martina Steurer
- 15:45–16:15 Coffee break
- 16:15–18:15 **Session Miscellaneous**
Chair: Aparna Hoskote
- 16:15 **Organ Donation: State of the art of donor care**
Anne-Laure Martin
- 16:40 **Immunodeficiencies in ICU: What the neonatologist/intensivist should know**
Johannes Trück
- 17:05 **Rare diseases: What the neonatologist/intensivist should know**
Jean-Marc Nuoffer
- 17:30 **Oncology patients in PICU: What you always wanted to know**
Roelie Wösten-van Asperen
- 17:55 **Family centered care 2023**
Jos Latour
- 18:15 End of day two



Scientific program, April 1, 2023

- 08:15–10:00 **Session Circulation 2**
Chair: Malaika Mendonça
- 08:15 **Low cardiac output revisited**
Luregn Schlapbach
- 08:35 **Optimising inotropic support – a holistic approach**
Peter Roeleveld
- 08:55 **Chronic heart failure – State of the art**
Brigitte Stiller
- 09:15 **Double jeopardy – Born preterm with congenital heart disease**
Martina Steurer
- 09:35 **Round table: ECMO vs inotropes**
Graeme MacLaren, Malaika Mendonça, Peter Roeleveld, Luregn Schlapbach, Brigitte Stiller
- 10:00 - 10:30 Coffee break
- 10:30 - 12:15 **Session Respiration 2**
Chair: Graeme MacLaren
- 10:30 **Round table: Respiration**
Hendrik Fischer, Martin Kneyber, Angelo Polito, Padmanabhan Ramnarayan
- 11:00 **LISA and beyond**
Matthias Hütten



Scientific program, April 1, 2023

- 11:25 **HFNC vs NIV in PICU**
Padmanabhan Ramnarayan
- 11:50 **HFNC vs CPAP in NICU**
Hendrik Fischer
- 12:15 **End of the Course – Closing remarks**
Tom Riedel



Workshop, March 28–29, 2023

Workshop Directors	Thomas Conlon , Philadelphia, USA Steffen Schmidt , Bern, Switzerland
Workshop Faculty:	
Benedikt Bubl MD	Neonatology at Children’s Hospital Inselspital – University Hospital Bern (CH)
Thomas Conlon MD	Critical Care Medicine at Children’s Hospital of Philadelphia – Assistant Professor University of Pennsylvania (US)
Maky Fraga MD	Neonatology at Children’s Hospital of Philadelphia – Assistant Professor University of Pennsylvania (US)
Magali Gauthey MD	Co-head of the Pediatric Department at Hôpital de la Tour Geneva (CH)
Bert Hennig MD	Pediatric Cardiologist, Head of the Pediatric Department Sana Kliniken Leipziger Land (GER)
Sabine Pallivathukal MD	Pediatric Cardiologist Children’s Hospital Inselspital – University Hospital Bern (CH)
Fabrizio Romano MD	Pediatric Emergency Medicine at Children’s Hospital Inselspital – University Hospital Bern (CH)
Cordula Scherer MD	Pediatric Surgeon at Children’s Hospital Inselspital – University Hospital Bern (CH)
Steffen Schmidt MD	Pediatric Emergency Medicine at Children’s Hospital Inselspital – University Hospital Bern (CH)
Sara Schnyder MD	Pediatric Emergency Medicine at Children’s Hospital Inselspital – University Hospital Bern (CH)
Volker Umlauf MD	Pediatric Critical Care Medicine at Children’s Hospital Inselspital – University Hospital Bern (CH)



Workshop program, March 28, 2023

07:30	Sign-in / Breakfast
08:00	Welcome and introduction to POCUS Ultrasound <i>Steffen Schmidt</i>
08:15	Physics and Fundamentals of Ultrasonography <i>Thomas Conlon</i>
08:45	Abdominal Exam FAST and FAFF <i>Sarah Schnyder</i>
09:15	Thoracic Exam: Pneumonia, Pleural Effusion and Pneumothorax <i>Maky Fraga</i>
09:45	Shock and Hypotension <i>Fabrizio Romano</i>
10:15	Coffee break
10:30	Hands-On Skills
12:30	Lunch Break
13:15	Cardiac views <i>Magali Gauthey</i>
13:45	Acute Abdomen in Neonates, Babies and Toddlers <i>Steffen Schmidt</i>
14:15	Kidney and Bladder <i>Volker Umlauf</i>



Workshop program, March 28, 2023

14:45	Basics Vascular Access <i>Fabrizio Romano</i>
15:05	Coffee Break
15:30	Hands-On Skills
17:30	Concluding



Workshop program, March 29, 2023

07:30	Sign-in / Breakfast
08:00	Vascular Access and Umbilical Cannulation in Neonates <i>Maky Fraga</i>
08:30	LV Systolic Function Assessment <i>Sabine Pallivathukal</i>
09:00	Basics of Head Ultrasound <i>Benedikt Bubl</i>
09:30	ECMO and Bedside Ultrasound <i>Maky Fraga</i>
10:00	Approach to LPs <i>Sara Schnyder</i>
10:20	Coffe Break
10:30	Hands-On Skills
12:30	Lunch Break
13:15	Pulmonary Hypertension, Right Ventricular Function and the PDA <i>Sabine Pallivathukal</i>
13:45	How to get good pictures – Tips and Tricks from the Cardiologist <i>Bert Hennig</i>



Workshop program, March 29, 2023

14:15	Translating Point-of-care Training to Clinical Care <i>Thomas Conlon</i>
15:00	Coffee Break
15:30	Hands-On Skills
17:30	Concluding Remarks, Evaluation



General Information

Venue	Auditorium Ettore Rossi, Inselspital (Kinderklinik), Bern/Switzerland. Bus n° 12 (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 28, 2023, 08:00 h Wednesday, March 29, 2023, 17:30 h									
Beginning and end of the Course	Thursday, March 30, 2023, 09:00 h Saturday, April 1, 2023, 12:30 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.picu-nicu-course.com									
Secretariat during the Course	Foyer Ettore Rossi, Inselspital (Kinderklinik), CH-3010 Bern Phone: +41 79 273 06 71									
Registration	Please see www.picu-nicu-course.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. <table><tr><td>Thursday</td><td>March 30, 2023</td><td>08:30 – 18:30 h</td></tr><tr><td>Friday</td><td>March 31, 2023</td><td>07:30 – 18:15 h</td></tr><tr><td>Saturday</td><td>April 1, 2023</td><td>08:00 – 12:30 h</td></tr></table>	Thursday	March 30, 2023	08:30 – 18:30 h	Friday	March 31, 2023	07:30 – 18:15 h	Saturday	April 1, 2023	08:00 – 12:30 h
Thursday	March 30, 2023	08:30 – 18:30 h								
Friday	March 31, 2023	07:30 – 18:15 h								
Saturday	April 1, 2023	08:00 – 12:30 h								



General Information

Registration fees (prices in Swiss Francs CHF) **ESPNIC members:** 600 CHF
Non members: 700 CHF

The registration fee includes lunches (March 30 & 31) and coffee breaks (March 30–April 1)

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 1, 2023. 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.

Course website www.picu-nicu-course.com

Workshop website www.bedsideultrasoundworkshop.com



Sponsors

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