

## Organization

<b>Scientific Committee:</b>	B. Wagner (Chairman), P. Rimensberger, R. Tasker
<b>Scientific Secretariat:</b>	Department of Pediatric Intensive Care University Children's Hospital Inselspital, CH-3010 Berne E-mail: marianne.gurtner@insel.ch
<b>Organization Committee:</b>	B. Wagner, D. Bachmann, M. Mérat, K. Seibel
<b>Administrative Secretariat:</b>	BBS Congress GmbH, Barbara Bühlmann P.O. Box, CH-3000 Berne 25 Phone: ++41 31 331 82 75, Fax: ++41 31 332 98 79 E-mail: barbara.buehlmann@bbscongress.ch Website: www.bbscongress.ch

## Welcome Address

Dear colleagues

The Scientific Committee would be delighted to see you at the biannual European Postgraduate Course in Neonatal and Pediatric Intensive Care to be held in Berne on March 10, 11 and 12, 2005.

This year stands for postgraduate education in a handful of hot topics. Each topic will be presented in depth by starting with overview lectures, by continuing with interactive sessions and by ending with industry workshops. This unique format allows to cover the basics as well as to discuss the potential clinical benefits of new monitoring devices and new treatment options. This course format also ensures that the sessions are kept informal allowing debate and interactions between presenters and the delegates. The delegates are given the option to send personal questions beforehand.

I am very happy to announce that two experts of international repute have joined the scientific committee. Peter Rimensberger and Rober Tasker. I am also grateful to all other faculty members of this Course who have agreed to participate as teachers and experts. I am sure that you will enjoy a high quality meeting in a familiar atmosphere.

Looking forward to welcoming you next March in Berne

Bendicht (Ben) Wagner                      Conference Chairman                      On behalf of the Committees

## Credits

**Endorsed by:** European Society of Pediatric and Neonatal Intensive Care (ESPNIC)  
Swiss Society of Intensive Care Medicine (SGI/SSMI)  
Swiss Society of Neonatology (SSN)

**Supported by:** Children's University Hospital Berne

### **National Educational Credits:**

20 credit-hours postgraduate formation and 20 credit-hours continuous formation by the Swiss Society of Intensive Care Medicine (SGI/SSMI) and the Swiss Society of Neonatology (SSN)

### **CME Credits:**

The Course is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), [www.uems.be](http://www.uems.be).

The Course is designated for a maximum of 20 hours of European external CME credits. Each medical specialist should claim only those hours of credits that he/she actually spent in the educational activity.

EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact AMA.

## Venue and beginning of the Course

**Auditorium Ettore Rossi, University Children's Hospital, Inselspital Bern**  
(see map of Bern on page 18)

**Lectures will start on Thursday, March 10, 2005, 09.00 h and end on Saturday, March 12, 12.30 h**

## Faculty

Aebi Christoph	Pediatric Infectious Diseases, University Children's Hospital, Bern
Bohn Desmond	Pediatric Critical Care, Hospital for Sick Children, Toronto
Devictor Denis	Pediatric Intensive Care, Hôpital de Bicêtre, Paris
Ford Henri	Division of Pediatric Surgery, Children's Hospital of Pittsburgh, Pittsburgh
Jakob Stephan	Adult Intensive Care Medicine, University Hospital, Bern
Joosten Koen	Pediatric Intensive Care, Sophia Children's Hospital, Rotterdam
Kissoon Niranjana	Acute and Critical Care Programs, British Columbia's Children's Hospital, Vancouver
Modi Neena	Neonatal Medicine, Imperial College London, Chelsea & Westminster Hospital, London
Morley Colin	Neonatal Services, Royal Women's Hospital, Carlton, Melbourne
Mühlemann Kathrin	Infection Control, Institute of Infectious Diseases, University of Berne
Rimensberger Peter	Division of Neonatal and Pediatric Intensive Care, Children's Hospital, Geneva
Singhi Sunit	Pediatric Emergency and Intensive Care Units, Postgraduate Institute of Medical Education and Research Chandigarh, India
Tibby Shane	Pediatric Intensive Care, Guy's and Saint Thomas' NHS Trust, London
Tasker Robert	Pediatric Intensive Care, Addenbrooke's Hospital, Cambridge
Wagner Bendicht	Pediatric Intensive Care, University Children's Hospital, Bern

## General Information

<b>Venue</b>	Inselspital (Kinderklinik), Berne/Switzerland Bus N° 11 from railway station to Inselspital		
<b>Official Language</b>	English, no simultaneous translation		
<b>Beginning and end of the Course</b>	Thursday, March 10, 2005, 09.00 a.m. Saturday, March 12, 2005, 12.30 a.m.		
<b>Administrative Secretariat before and after the Course</b>	BBS Congress GmbH, P.O. Box, CH-3000 Bern Phone ++41 31 331 82 75 Fax ++41 332 98 79 E-Mail: barbara.buehlmann@bbscongress.ch Website: www.bbscongress.ch		
<b>Address during the Course</b>	Inselspital (Kinderklinik) CH-3010 Berne Phone: ++41 79 314 37 38		
<b>Registration</b>	The number of participants will be limited to 150. Early registration is therefore advised.		
<b>Registration Desk</b>	Each registered participant will receive his/her personal documentation at the registration desk in the Children's Hospital (Kinderklinik):		
	Wednesday	March 9, 2005	17.30 – 19.30 h
	Thursday	March 10, 2005	07.30 – 19.00 h
	Friday	March 11, 2005	08.00 – 18.00 h
	Saturday	March 12, 2005	08.00 – 12.30 h
<b>Registration Fees</b>	Members ESPNIC	400 CHF	500 CHF
	Non Members	500 CHF	600 CHF
	Fees include congress documentation, one Course-CD, industry workshops, lunches, coffee breaks and a Get-together.		
<b>Remittance of Fees</b>	The fees should be paid in Swiss Francs – clearly stating name and address of the participant – either by bank transfert (free of charge) to Credit Suisse in CH-3001 Bern (clearing n° 4094), account N° 211255-40-10 (BBS Congress/NEO/PAD) or by VISA or Euro/Mastercard. See attached Congress registration form. Registration may be done online via Internet (see Congress Website <a href="http://www.bbscongress.ch">www.bbscongress.ch</a> ).		

## General Information

- Cancellation** Refund less 25% administrative charge may be applied for in writing until February 1<sup>st</sup>, 2005. 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 nonappearance of speakers or other reasons necessitate programme changes. With this registration, the participant accepts this proviso.
- Swiss Cheese Dinner** Enjoy the world famous Swiss Fondue in the midth of the old city on Thursday March 10<sup>th</sup>, 19.00.  
Register by e-mail [peter.salchli@bbscongress.ch](mailto:peter.salchli@bbscongress.ch) and pay additional 45 CHF at the registration desk.
- Course-CD** Each registered participant will get one copy of the Course-CD mailed home after the meeting (included in congress fees). The CD will include all talks and slides of the Course.
- Send your personal questions** As soon as the registration fee has been paid, each delegate has the opportunity to send his personal questions to the presenters of overview lectures, interactive sessions and industry workshops. The questions should be related to the Course topics, and should be sent by e-mail to the administrative secretariat no later than January 31<sup>st</sup>, 2005.  
[peter.salchli@bbscongress.ch](mailto:peter.salchli@bbscongress.ch)
- Website** [www.bbscongress.ch](http://www.bbscongress.ch)

## Sponsors

The organizers express their gratitude to all those who have generously contributed to the success of the Seventh Postgraduate Course in Neonatal and Pediatric Intensive Care.

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# Scientific Program

Thursday morning, March 10<sup>th</sup>, 2005

09.00

## Opening Remarks

*Bendicht Wagner, Berne*

09.10 – 10.40

## Encephalopathy

*Chair: Denis Devictor, Paris*

Clinically useful monitoring in the comatose neonate and child

*Robert Tasker, Cambridge*

Therapeutic hypothermia after brain injury.

Prime time in intensive care?

*Bendicht Wagner, Berne*

10.40 – 11.10

Coffee break

11.10 – 12.35

## Parallel session 1

Introduction:

Intensive care support of febrile encephalopathy

*Sunit Singhi, Chandigarh*

Case discussion:

Febrile coma. What to diagnose, monitor and how to treat

*Chairs: Sunit Singhi, Chandigarh and Bendicht Wagner, Berne*

### Parallel session 2

Introduction:

Clinical management of severe head injury

*Robert Tasker, Cambridge*

Case discussion:

Traumatic coma. What to diagnose, monitor and how to treat

*Chairs: Robert Tasker, Cambridge and Desmond Bohn, Toronto*

### Group A (Auditorium)

11.10 – 11.50 Parallel session 1

11.55 – 12.35 Parallel session 2

### Group B (Kursraum 1)

11.10 – 11.50 Parallel session 2

11.55 – 12.35 Parallel session 1

12.35 – 14.30

Lunch

13.15 – 14.15

Industry Workshop

*Chair: Robert Tasker, Cambridge*

Cool-Cap system (Olympic Medical)

Olympic CFM 6000 (Olympic Medical)

Servo-i (MAQUET Critical Care)

Thursday afternoon, March 10<sup>th</sup>, 2005

14.30 – 16.00

**Respiratory problems in intensive care**

*Chair: Robert Tasker, Cambridge*

Obstructive lung disease in infancy and childhood  
(bronchiolitis, asthma)

*Niranjan Kissoon, Vancouver*

Respiratory monitoring that affects outcome (from basics to  
frontiers)

*Peter Rimensberger, Geneva*

16.00 – 16.30

Coffee break

16.30 – 17.55

**Parallel session 3**

Introduction:

How to ventilate a newborn with interstitial emphysema

*Colin Morley, Carlton*

Case discussion:

How to ventilate newborns in difficult situations?

*Chairs: Colin Morley, Carlton and Peter Rimensberger, Geneva*

### Parallel session 4

Introduction:

How to handle nonresponsive hypoxemia in a child?

*Desmond Bohn, Toronto*

Case discussion:

How to ventilate children in difficult situations?

*Chairs: Desmond Bohn, Toronto and Niranjana Kissoon, Vancouver*

### Group A (Auditorium)

16.30 – 17.10 Parallel session 3

17.15 – 17.55 Parallel session 4

### Group B (Kursraum 1)

16.30 – 17.10 Parallel session 4

17.15 – 17.55 Parallel session 3

19.00

Swiss Cheese Dinner

## Scientific Program

Friday morning, March 11<sup>th</sup>, 2005

09.00 – 10.40

### Shock

*Chair: Peter Rimensberger, Geneva*

Microcirculation and mitochondrial function as resuscitation endpoints?

*Stephan Jakob, Berne*

Thresholds for anemia, hypoxia, hypercarbia, perfusion. Lessons from physiological limits in critically ill neonates and children

*Desmond Bohn, Toronto*

Bedside cardiovascular monitoring and hemodynamic goals in neonates and children with circulatory failure

*Shane Tibby, London*

10.40 – 11.10

Coffee break

11.10 – 12.35

### Parallel session 5

Introduction:

Neonatal (PRC) transfusion practice

*Neena Modi, London*

Case discussion:

What goals, volume expanders, pharmacological supports in neonatal shock?

*Chairs: Neena Modi, London and Colin Morley, Carlton*

### Parallel session 6

Introduction:

Pharmacological support of pediatric septic shock

*Shane Tibby, London*

Case discussion:

What goals, volume expanders, pharmacological supports in pediatric shock?

*Chairs: Shane Tibby, London and Niranjan Kissoon, Vancouver*

#### **Group A** (Auditorium)

11.10 – 11.50 Parallel session 5

11.55 – 12.35 Parallel session 6

#### **Group B** (Kursraum 1)

11.10 – 11.50 Parallel session 6

11.55 – 12.35 Parallel session 5

12.35 – 14.30

Lunch

13.15 – 14.15

Industry Workshop

*Chair: Shane Tibby, London*

CardioQP (Deltex Medical)

Uscom CO-Monitor (Uscom LTD)

PiCCO (Pulsion Medical)

## Scientific Program

Friday afternoon, March 11<sup>th</sup>, 2005

14.30 – 16.00

### **Surgical abdomen**

*Chair: Niranjan Kissoon, Vancouver*

Fulminant liver failure. Etiology and treatment  
*Denis Devictor, Paris*

Abdominal and pelvic trauma in children  
*Henri Ford, Los Angeles*

16.00 – 16.30

Coffee break

16.30 – 17.55

### **Parallel session 7**

Introduction:

Enteral and parenteral support in the surgical neonate  
*Neena Modi, London*

Case discussion:

How to supply nutrition in the surgical neonate?  
*Chair: Neena Modi, London*

### Parallel session 8

Introduction:

Evaluation of the nutritional needs of the critically ill child

*Koen Joosten, Rotterdam*

Case discussion:

How to supply nutrition in the critically ill child after abdominal trauma / surgery?

*Chairs: Koen Joosten, Rotterdam and Henri Ford, Los Angeles*

#### **Group A** (Auditorium)

16.30 – 17.10 Parallel session 7

17.15 – 17.55 Parallel session 8

#### **Group B** (Kursraum 1)

16.30 – 17.10 Parallel session 8

17.15 – 17.55 Parallel session 7

17.55

Get-together

## Scientific Program

**Saturday morning, March 12<sup>th</sup>, 2005**

09.00 – 09.45

### **Organ donation**

*Chair: Desmond Bohn, Toronto*

Selecting and maintaining the neonatal and pediatric organ donor

*Denis Devictor, Paris*

09.45 – 10.30

### **Infection**

*Chair: Desmond Bohn, Toronto*

Update in antiinfectious agents for critically ill neonates and children: which decision to take?

*Christoph Aebi, Berne*

10.30 – 11.00

Coffee break

11.00 – 12.30

*Chair: Bendicht Wagner, Berne*

Basic concepts in prevention of nosocomial infections in neonatal/ pediatric intensive care

*Katrin Muehlmann, Berne*

Infections in intensive care of India: tetanus, diphteria, dengue fever

*Sunit Singhi, Chandigarh*

12.30

Closing note

*Bendicht Wagner, Berne*



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A Insele  
C Railway Station