

FINAL PROGRAM

RECENT ADVANCES IN NEONATAL MEDICINE

IXth INTERNATIONAL SYMPOSIUM
HONORING
PROF. RICHARD B. JOHNSTON, MD, DENVER



WÜRZBURG, GERMANY
OCTOBER 1 - 3, 2021



SCIENTIFIC ORGANIZATION
PROF. CHRISTIAN P. SPEER, MD, FRCPE

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Dear colleagues, dear ladies and gentlemen,

It is a great pleasure to welcome you to the IXth International Symposium RECENT ADVANCES IN NEONATAL MEDICINE which is dedicated to my admired academic mentor Prof. Richard B. Johnston Jr., MD, Denver, USA. His basic research focused on the development of innate immunity and host defense mechanisms; as Medical Director of "March of Dimes" he was instrumental in reducing birth defects with folic acid, and, moreover, he established a huge program into the causes of preterm labor.

RECENT ADVANCES IN NEONATAL MEDICINE was originally scheduled for April 2020, however, due to the SARS-CoV2 pandemic we had to postpone the IXth edition to October 2021. The unique feature of RECENT ADVANCES IN NEONATAL MEDICINE 2021 is that all faculty members and delegates will be fully immunized by October 2021 and, in addition, a hygiene concept will be provided in the conference center which will include all safety measures of disease protection.

Unfortunately, however, delegates from some countries may not be able to attend this year's symposium due to the current epidemiological situation of SARS-COV 2 in their country or ongoing travel restrictions. For these colleagues we offer an "on demand" registration which will give them access to the symposium's presentations and panel discussions for 3 months.

I would like to thank all faculty members for their great personal support and, moreover, to express my sincere gratitude to the generous sponsors of RECENT ADVANCES IN NEONATAL MEDICINE; without their essential help it would have been impossible to invite such a prominent faculty, to offer reduced registration fees for delegates from low- and middle-income countries and to realize this ambitious project.

Despite all limitations I wish all of you a rewarding and memorable RECENT ADVANCES IN NEONATAL MEDICINE which will celebrate it's 25th anniversary in 2021.

Christian P. Speer

Würzburg, September 23, 2021



TIME TABLE

FRIDAY OCTOBER 1, 2021		SATURDAY OCTOBER 2, 2021	SUNDAY OCTOBER 3, 2021	
Time	Workshops	Symposium	Symposium	
08 ⁰⁰	WS I Cardiopulmonary Transition, Postnatal Stabilization and Emergencies	WS V Intrauterine Inflammation and Infection	Opening	Brain Injury and Pain Perception
			The First Minutes of Life	
	WS II RDS and Surfactant	WS VI The Neonatal Immune System and Immuno- deficiencies	Respiratory Care in 2021	Poster Prize
				Hidden Risks for Retinal and Cerebral Damage; Neurodevelopmental Outcome
	Poster	Poster Satellite Symposium		Lunch Seminar
	WS III Optimal Ventilatory Strategies	WS VII Strategies for a Successful Feeding	BPD and Respiratory Outcome	Growth Failure and Optimal Nutrition
	WS IV BPD: From Bench to Bedside	WS VIII Pain, Seizures and ROP	Microbiome, Platelets and Stem Cells	Drugs and Other Interventions
				Concluding Remarks
18 ⁰⁰	Seminars A - C		Seminars D - F	

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Oxford Textbook of
The Newborn
A Cultural and Medical History

Michael Obladen

Hardcover / ISBN-13: 978-0198854807,
ISBN-10: 01988548039780198854807 /
July 2021 / 432 pages

Prof. Sture Andersson, MD, PhD
Department of Neonatology
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Prof. John N. van den Anker, MD, PhD
Children's National Medical Center
Washington, DC, USA

Prof. Eduardo Bancalari, MD
Division of Neonatology
Jackson Memorial Medical Center
Miami, USA

Prof. Eugenio Baraldi, MD
Women's and Children's Health Department
University of Padova
Padova, Italy

Prof. Christoph Bührer, MD
Department of Neonatology
Charité University Medical Center
Berlin, Germany

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Department of Haematology
St. Thomas Hospital
London, UK

Prof. Tore Curstedt, MD, PhD
Karolinska University Laboratory
Karolinska University Hospital
Stockholm, Sweden

Prof. Gabriel Dimitriou, MD, PhD
Paediatric Department NICU
University General Hospital of Patras
Patras, Greece

Prof. A. David Edwards, MA, DSc, FRCP
Center for Developing Brain
King's College London
London, UK

Kirsten Glaser, MD
University Children's Hospital
University of Leipzig
Leipzig, Germany

Rangmar Goelz, MD
Department of Neonatology
University Hospital Tübingen
Tübingen, Germany

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Emma Children's Hospital
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Amsterdam, The Netherlands

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Neonatal and Pediatric Intensive Care
Saint George University Hospital
Beirut, Lebanon

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Prof. Neil Marlow, MD, FRCP, FRCPCH
Faculty of Population Health Sciences
University College London
London, UK

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Neonatal Research
Rainbow Babies & Children's Hospital
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University of Colorado School of Medicine
Denver, USA

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Dept. General Pediatrics and Neonatology
Saarland University Hospital
Homburg, Germany

WORKSHOPS

FRIDAY, OCTOBER 1, 2021

Workshop I

CARDIOPULMONARY TRANSITION, POSTNATAL STABILIZATION AND EMERGENCIES

Chair: O.D. Saugstad, Oslo, Norway; D. Singer, Hamburg, Germany

8¹⁵ **Monitoring stabilization/resuscitation at birth**
A.B. te Pas, Leiden, The Netherlands

Neonatal resuscitation guidelines: Scientific rationale and evidence

O.D. Saugstad, Oslo, Norway

Reversing the irreversible? Interactions between hypoxia and hypothermia in the perinatal period

D. Singer, Hamburg, Germany

9⁴⁵ INTERACTIVE DISCUSSION

10¹⁵ COFFEE BREAK

Workshop II

RDS AND SURFACTANT

Chair: G. Dimitriou, Patras, Greece; H. Verder, Holbaek, Denmark

10⁴⁵ **Effects of diabetes during pregnancy on the fetus and newborn**
H. Hummler, Tübingen, Germany

Disease specific strategies of neonatal ventilation

G. Dimitriou, Patras, Greece

European guidelines for the management of RDS

D.G. Sweet, Belfast, Northern Ireland

12¹⁵ INTERACTIVE DISCUSSION

12⁴⁵ LUNCH BREAK

13⁰⁰ **POSTER SESSION I - II**

FRIDAY, OCTOBER 1, 2021

Workshop III **OPTIMAL VENTILATORY STRATEGIES**

Chair: C. Bühner, Berlin, Germany; C. Wright, Denver, USA

14⁰⁰ Ventilatory strategies to prevent lung injury
E. Bancalari, Miami, USA

iNo for preterm infants: Evidence versus practice
B. Thériault, Ottawa, Canada

Lung hypoplasia or dry lung syndrome?
H. Hummler, Tübingen, Germany

15³⁰ INTERACTIVE DISCUSSION

16⁰⁰ COFFEE BREAK

Workshop IV **BPD: FROM BENCH TO BEDSIDE**

Chair: S. Andersson, Helsinki, Finland; K. Glaser, Leipzig, Germany

16³⁰ Experimental models of BPD
R.E. Morty, Heidelberg, Germany

Pulmonary hypertension and BPD
L.J. van Marter, Boston, USA

Present and future of BPD
E. Baraldi, Padova, Italy

18⁰⁰ INTERACTIVE DISCUSSION

18³⁰ Parallel Seminars

A How to get your manuscript rejected?
E.S. Shinwell, Tsfat, Israel

B How to design a clinical trial: From basics to pitfalls
N. Modi, London, UK

C Neonatal clinical pharmacology: A delicate combination of developmental biology and genetics
J.N. van den Anker, Washington D.C., USA

The image is a full-page advertisement for the Fisher & Paykel 950 System. It features a central photograph of a male healthcare professional with a beard and a stethoscope, wearing a white lab coat. He is leaning over a transparent incubator, carefully adjusting a medical tube connected to a newborn baby lying inside. The baby is wearing a nasal cannula and other monitoring sensors. The incubator is a complex piece of medical equipment with various ports and tubes. In the top left corner, there is a logo consisting of a blue square with 'F&P' in white, followed by the text '950 System' in a large, bold, blue font. In the bottom left corner, there are four overlapping diamond-shaped callouts in green, purple, and orange, each containing a key feature of the system. The bottom of the advertisement has a solid blue horizontal band. Below this band, the text 'Redefining expectations' is written in a bold, dark blue font. This is followed by a paragraph describing the system as a premium class respiratory gas humidification system that is simple to use, reduces condensate, and offers advanced protection. At the very bottom, there is a white section containing contact information for Fisher & Paykel Healthcare GmbH, including their address, phone number, email, and website, alongside the company's logo and name in a stylized font.

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WORKSHOPS

FRIDAY, OCTOBER 1, 2021 (Parallel Sessions)

Workshop V

INTRAUTERINE INFLAMMATION AND INFECTION

Chair: S. Andersson, Helsinki, Finland; W.S. Park, Seoul, Korea

8¹⁵ **Antibiotics, animals and antimicrobial resistance**

C. Bühner, Berlin, Germany

Ureaplasma species: The hidden danger for preterm infants

K. Glaser, Leipzig, Germany

Postnatal CMV-infection in very premature infants:

Does it matter?

R. Goelz, Tübingen

9⁴⁵ INTERACTIVE DISCUSSION

10¹⁵ COFFEE BREAK

Workshop VI

THE NEONATAL IMMUNE SYSTEM AND IMMUNODEFICIENCIES

Chair: S. Andersson, Helsinki, Finland; B. Thébaud, Ottawa, Canada

10⁴⁵ **Modulation of the immune-microbiome interplay - any benefit for the newborn?**

C. Härtel, Würzburg, Germany

When mother's antibodies attack the neonate

C. Bühner, Berlin, Germany

Rare but dangerous: Immunodeficiencies of the newborn

H. Morbach, Würzburg, Germany

12¹⁵ INTERACTIVE DISCUSSION

12⁴⁵ LUNCH BREAK

13⁰⁰ **POSTER SESSION I - II**

THE GOLDEN HOUR

Thermoregulation



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Surfactant Administration



Cardiovascular support



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Value Life

FRIDAY, OCTOBER 1, 2021 (Parallel Sessions)

Workshop VII

STRATEGIES FOR A SUCCESSFUL FEEDING

Chair: W.W. Hay Jr., Denver, USA; I. Iskander, Cairo, Egypt

14⁰⁰ **Parenteral nutrition for immature preterm infants in the first week of life and beyond:**

Fluid intake, electrolytes and energy supply

W.W. Hay Jr., Denver, USA

Do we need fortifiers and nutritional supplements for preterm infants?

N. Modi, London, UK

Strategies for a successful feeding of the premature baby

A. Liubsys, Vilnius, Lithuania

15³⁰ INTERACTIVE DISCUSSION

16⁰⁰ COFFEE BREAK

Workshop VIII

PAIN, SEIZURES AND ROP

Chair: N. Marlow, London, UK; J.M. Solano, Bogotá, Colombia

16³⁰ **Is there a way to measure pain perception in preterm infants?**

R. Slater, Oxford, UK

The role of aEEG in seizure identification and prediction of outcome

L.S. de Vries, Utrecht, The Netherlands

Growth factors and Anti-VEGF in severe ROP: Has the time come?

A. Hellström, Gothenburg, Sweden

18⁰⁰ INTERACTIVE DISCUSSION

18³⁰ **Parallel Seminars**

A How to get your manuscript rejected?

E.S. Shinwell, Tsfat, Israel

B How to design a clinical trial: From basics to pitfalls

N. Modi, London, UK

C Neonatal clinical pharmacology: A delicate combination of developmental biology and genetics

J.N. van den Anker, Washington D.C., USA

SATURDAY, OCTOBER 2, 2021

- 8¹⁵ **Opening and Welcome**
C. P. Speer, Würzburg, Germany

THE FIRST MINUTES OF LIFE

Chair: S. Andersson, Helsinki, Finland; R. Martin, Cleveland, USA

- 8²⁵ **Cardiopulmonary transition at birth:
Optimal strategies for support and stabilization**
A. B. te Pas, Leiden, The Netherlands

- 8⁴⁵ **Neonatal oxygen exposure and optimal oxygen saturations:
Do we have the answer yet?**
O.D. Saugstad, Oslo, Norway

- 9⁰⁵ PANEL DISCUSSION

- 9³⁰ **Laudatio for Prof. Richard B. Johnston Jr., Denver, USA**
C. P. Speer, Würzburg, Germany

Chiesi Prize for Excellence in Neonatology
O.D. Saugstad, Oslo, Norway

- 10⁰⁰ COFFEE BREAK

RESPIRATORY CARE IN 2021

Chair: G. Dimitriou, Patras, Greece; D.G. Sweet, Belfast, Northern Ireland

- 10³⁰ **Non-invasive respiratory support of preterm infants with RDS**
C. Wright, Denver, USA

- 10⁵⁰ **Limitations of non-invasive ventilation:
When is mechanical ventilation in the very immature infant indicated?**
E. Bancalari, Miami

- 11¹⁰ **Minimally invasive surfactant therapy: Useful or fashionable?**
C. Härtel, Würzburg, Germany

- 11³⁰ **CPAP failure, LISA and mechanical ventilation**
C.C. Roehr, Oxford/Bristol, UK

- 11⁵⁰ PANEL DISCUSSION

SATURDAY, OCTOBER 2, 2021

12³⁰ LUNCH BREAK

13⁰⁰ **POSTER SESSION III - IV**

13⁰⁰ **NNI SYMPOSIUM: UPDATE ON NEONATAL NUTRITION**

The role of human milk oligosaccharides (HMOs) in early infant nutrition

N. Sprenger, Lausanne, Switzerland

Individualized nutrition in preterms – quo vadis?

N. Haiden, Vienna, Austria

BPD AND RESPIRATORY OUTCOME

Chair: M. Hallman, Oulu, Finland; L.J. van Marter, Boston, USA

14⁰⁰ **BPD from pathogenesis to prevention: An unresolved problem**

E. Bancalari, Miami, USA

14²⁰ **Topical steroids: Inhaled or mixed with surfactant?**

E. Shinwell, Tsfat, Israel

14⁴⁰ **Why do former preterm infants wheeze?**

R.J. Martin, Cleveland, USA

15⁰⁰ **Follow-up and long term respiratory function following prematurity**

E. Baraldi, Padua, Italy

15²⁰ PANEL DISCUSSION

15⁴⁵ COFFEE BREAK

MICROBIOME, PLATELETS AND STEM CELLS

Chair: C. Härtel, Würzburg, Germany; W.S. Park, Seoul, Korea

16¹⁵ **Gut microbiome and sepsis – what's the gardener's perspective?**

M. Zemlin, Bad Homburg, Germany

16³⁵ **Platelet transfusion: More harm than benefit?**

R. Carr, London, UK

16⁵⁵ **Stem cells: The magic cure for BPD and brain damage?**

B. Thébaud, Ottawa, Canada

17¹⁵ PANEL DISCUSSION

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1. Newburg DS, et al. Glycobiology 2004;14(3):253-263.

2. Austin S, et al. Nutrients 2019;11:1282.

3. Hascoët JM, et al. Abstract at WCPGHAN 2021.

Medical Information – For Healthcare Professionals only

Nestlé Nutrition GmbH,
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SATURDAY, OCTOBER 2, 2021

Parallel Seminars

17⁴⁵

- D Antibiotics for the newborn baby: Friends or foes?**
A. Liubsys, Vilnius, Lithuania
- E Challenges in neonatal care in resource poor settings**
J. Haddad, Beirut, Lebanon
- F Pharmacological prevention and treatment of maternal and neonatal HIV infection**
N. Rakhmanina, Washington, D.C., USA



SUNDAY, OCTOBER 3, 2021

BRAIN INJURY AND PAIN PERCEPTION*Chair: T.W.R. Hansen, Oslo, Norway; N. Marlow, London, UK*

- 8⁰⁰ **Special Lecture**
How can we reduce brain injury in preterm infants?
A.D. Edwards, London, UK
- 8³⁰ **Monitoring the neonatal brain: How, when and for how long?**
L.S. de Vries, Utrecht, The Netherlands
- 8⁵⁰ **Analgetic drugs: Impact on pain perception and brain activity**
R. Slater, Oxford, UK
- 9¹⁰ **The use of opioids in the NICU: Navigating between Scylla and Charybdis**
J.N. van den Anker, Washington D.C., USA
- 9³⁰ PANEL DISCUSSION
- 10⁰⁰ COFFEE BREAK
- 10³⁰ **Poster Prize**
- Announcement of the Awardees**
T. Curstedt, Stockholm, Sweden

HIDDEN RISKS FOR RETINAL AND CEREBRAL DAMAGE; NEURODEVELOPMENTAL OUTCOME*Chair: A.D. Edwards, London, UK; C. Bührer, Berlin, Germany*

- 10⁴⁵ **Preventive strategies and up-to-date treatment of severe ROP**
A. Hellström, Gothenburg, Sweden
- 11⁰⁵ **Hypoxic-ischemic episodes:**
A hidden risk for brain damage of very immature preterm infants?
R.J. Martin, Cleveland, USA
- 11²⁵ **Neonatal jaundice: A puzzle still unresolved**
T.W.R. Hansen, Oslo, Norway
- 11⁴⁵ **Outcomes into adulthood for our most immature infants**
N. Marlow, London, UK
- 12⁰⁵ PANEL DISCUSSION

SUNDAY, OCTOBER 3, 2021

12³⁰ LUNCH BREAK

12⁴⁵ **Lunch Seminar**

**Partial Personhood:
The Newborn in History**
M. Obladen, Berlin, Germany

GROWTH FAILURE AND OPTIMAL NUTRITION

Chair: S. Andersson, Helsinki, Finland; D. Haumont, Brussels, Belgium

13³⁰ **Preterm nutrition in 2020 - breast milk, probiotics & co:
Myths and facts**
N. Modi, London

13⁵⁰ **Essentials and pitfalls of parenteral nutrition**
J. van Goudoever, Amsterdam, The Netherlands

14¹⁰ **How to manage postnatal growth failure?**
W.W. Hay Jr., Denver, USA

14³⁰ PANEL DISCUSSION

15⁰⁰ COFFEE BREAK

DRUGS AND OTHER INTERVENTIONS

Chair: M. Hallman, Oulu, Finland; C. Wright, Denver, USA

15³⁰ **Pre- and postnatal steroids:
A critical appraisal**
E.S. Shinwell, Tsfat, Israel

15⁵⁵ **Caffeine in preterm infants:
where are we in 2021?**
C.C. Roehr, Oxford/Bristol, UK

16²⁰ PANEL DISCUSSION

16⁴⁵ **CONCLUDING REMARKS**
C. P. Speer, Würzburg, Germany



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baxter.com/numeta

1. Riskin A et al. Clinical Nutrition 37 (2018) 2409-2417

2. Baxter Healthcare. NUMETA G13E Summary of Product Characteristics, 201



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One doctor's journey to understanding the balance

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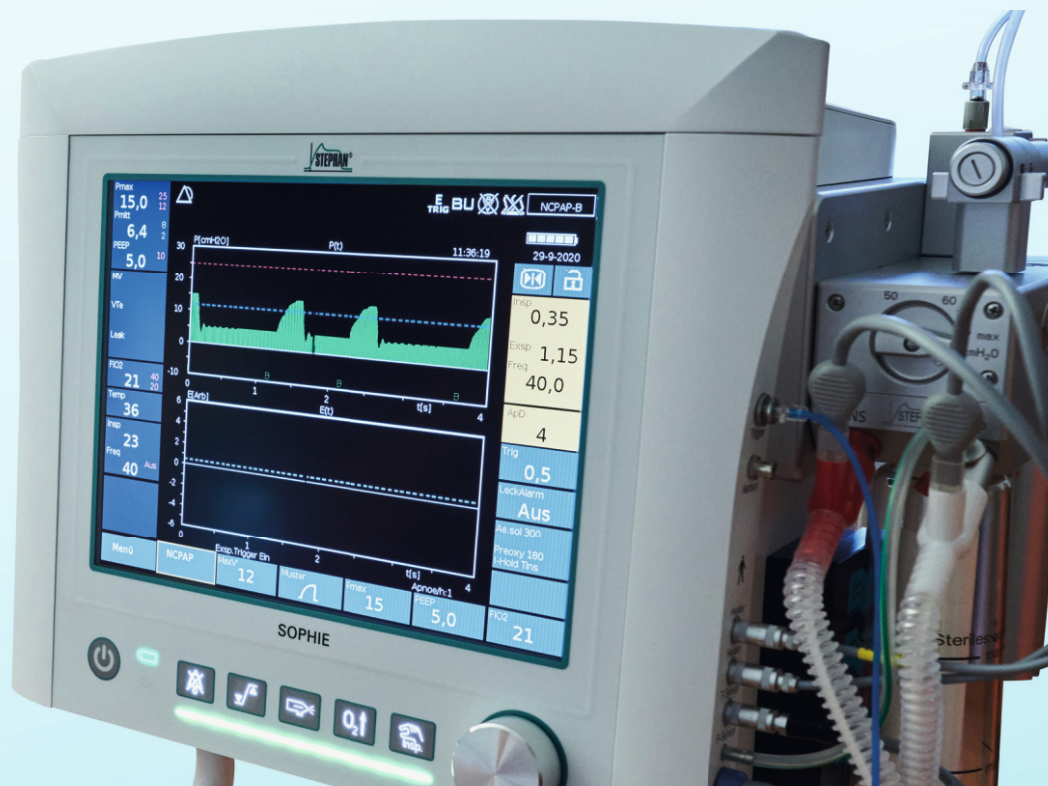
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- + increase the period within the SpO₂ target range

SPOC operates independently of the selected ventilation form.



Friday, October 1, 2021, 13⁰⁰ hrs

I RESPIRATORY CARE, PULMONARY DISEASES AND BPD

Chair: G. Dimitriou, Patras, Greece; J.M. Solano, Bogota, Colombia

1 THE COMPARISON OF TWO DIFFERENT WEANING METHODS FOR CONTINUOUS POSITIVE AIRWAY PRESSURE

I. Šliaužienė, R. Brinkis, I. Aldauskienė, A. Pužas, D. Stonienė, R. Tamelienė
Department of Neonatology, Hospital of Lithuanian University of Health Sciences Kaunas Clinics, Kaunas, Lithuania

2 RESPIRATORY FAILURE IN A PRETERM NEONATE WITH A COMBINATION OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS: A CASE REPORT

M. Tsigotaki, E. Saitakis, A. Kleisarchaki, V. Kotsira, P. Skoula, E. Hatzidaki
Department of Neonatology & Neonatal Intensive Care Unit, University Hospital of Heraklion, Crete, Greece

3 ACCURACY OF TRANSCUTANEOUS BLOOD GAS MEASUREMENT IN CRITICALLY ILL NEONATES

P. Baumann^{1,2}, V. Gotta³, S. Adzikah¹, V. Bernet^{1,2,4}

¹University Children's Hospital; ²Children's Research Centre, University Children's Hospital Zurich, Zurich; ³Department of Pediatric Pharmacology and Pharmacometrics, University of Basel Children's Hospital, Basel; ⁴current affiliation: Department of Neonatology, Hospital Zollikerberg, Switzerland

4 DD-SURF: SURFACTANT ADMINISTRATION IN BETWEEN INSURE AND LISA

L. Mense, B. Seipolt, M. Rüdiger
University Hospital Carl Gustav Carus, Department of Pediatrics, Division of Neonatology & Pediatric Intensive Care, Dresden, Germany

5 PREDICTION OF BRONCHOPULMONARY DYSPLASIA AT BIRTH BY MACHINE LEARNING ANALYSIS OF CLINICAL AND DIGITAL SPECTRAL DATA

H. Verder¹, C. Heiring², R. Ramanathan³, N. Scoutaris¹, P. Schousboe¹, P. Verder¹, T.E. Jessen⁴, L. Bender⁵, M. Dahl⁶, C. Eschen¹, J. Fenger-Grøn⁷, J. Reinholdt⁸, H. Smedegaard⁹, A. Höskuldsson¹

¹Department of Pediatrics, ⁴Department of Clinical Biochemistry, Holbaek University Hospital, Holbaek, Denmark; ²Department of Neonatology, Rigshospitalet; ⁸Department of Pediatrics, Herlev Hospital; ⁹Department of Pediatrics, Hvidovre Hospital, University of Copenhagen, Copenhagen, Denmark; ³Division of Neonatal Medicine, LAC+USC Medical Center, Los Angeles, USA; ⁵Department of Pediatrics, Aalborg Hospital, University of Aalborg, Aalborg, Denmark; ⁶Department of Pediatrics, Odense Hospital; ⁷Department of Pediatrics, Kolding Hospital, University of Southern Denmark, Denmark

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Friday, October 1, 2021, 13⁰⁰ hrs

II - NUTRITION / GROWTH / NEURODEVELOPMENTAL OUTCOME
Chair: A. Liubsys, Vilnius, Lithuania; W.W. Hay Jr., Denver, USA

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CHANGES IN HUMAN MILK MACRONUTRIENT, LYSOZYME AND LACTOFERRIN COMPOSITION DURING MILK PROCESSING IN VILNIUS DONOR HUMAN MILK BANK

I.J. Paulaviciene¹, R. Vaitkeviciene², A. Liubsys¹, V. Usonis¹

¹Clinic of Children Diseases, Institute of Clinical Medicine, Faculty of Medicine, Vilnius University; ²Neonatal Centre of Vilnius University Hospital Santaros Klinikos, Vilnius, Lithuania

7
LACTOBACILLUS ACIDOPHILUS/BIFIDOBACTERIUM INFANTIS PROBIOTICS ARE BENEFICIAL TO EXTREMELY LOW GESTATIONAL AGE INFANTS IN THE CONTEXT OF HUMAN MILK EXPOSURE

I. Fortmann¹, K. Hanke¹, J. Spiegler¹, K. Faust¹, D. Viemann², A. Stein³, E. Herting¹, W. Göpel¹, C. Härtel¹

¹Department of Pediatrics, University of Lübeck, Lübeck; ²Department of Neonatology, Hannover Medical School, Hannover; ³Department of Neonatology and General Pediatrics, University of Essen, Essen, Germany

8
PREVALENCE OF BREASTFEEDING IN INFANTS DISCHARGED FROM A NICU AND UP TO 2 YEARS OF LIFE

R. Sokou, E. Tavoulari, G. Ioakeimidis, S. Parastatidou, A. Makrogianni, E. Isaakidou, S. Chaniotis, D. Malliou, V. Falaina, A. Konstantinidi

NICU, Nikaia General Hospital "Aghios Panteleimon", Piraeus, Greece

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ASSESSMENT OF DEHYDRATION IN EXCLUSIVELY BREASTFED NEONATES

R. Sokou, A. Makrogianni, S. Parastatidou, E. Tavoulari, G. Ioakeimidis, S. Papadakis, A. Konstantinidi

NICU, Nikaia General Hospital "Aghios Panteleimon", Piraeus, Greece

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SURGICAL NECROTIZING ENTEROCOLITIS BUT NOT SPONTANEOUS INTESTINAL PERFORATION IS ASSOCIATED WITH ADVERSE NEUROLOGICAL OUTCOME AT SCHOOL AGE

A. Humberg¹, J. Spiegler¹, M.I. Fortmann¹, M. Zemlin², J. Marissen¹, I. Swoboda¹, T.K. Rausch³, E. Herting¹, W. Göpel¹, C. Härtel¹

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THROMBOELASTOMETRY VARIABLES IN NEONATES WITH PERINATAL HYPOXIA

A. Konstantinidi¹, R. Sokou¹, A.G. Tsantes², S. Parastatidou¹, S. Bonovas^{3,4}, A.K.

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Hospital, Athens, Greece

Saturday, October 2, 2021, 13⁰⁰ hrs

III INFECTIONS AND INFLAMMATION

Chair: R. Carr, London, UK; D. Singer, Hamburg, Germany

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EARLY – ONSET SEPSIS IN PRETERM INFANTS: DIAGNOSTICS AND TREATMENT DIFFERENCES IN 2011 AND 2016

P. Aldauskaitė¹, R. Brinkis², R. Tamelienė², I. Aldauskienė²

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ROAD TO THE NEW WORLD OF EARLY ONSET SEPSIS PRACTICE

A. Ahmed, P. Gopalakrishnan

Department of Neonatology, University Hospital of Wishaw, Glasgow, Scotland

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SEPSIS MORTALITY OF EXTREMELY PRETERM INFANTS IN GERMANY AFTER THE INTRODUCTION OF COLONIZATION SCREENING

K. Faust¹, I. Fortmann¹, A. Humberg¹, J. Pagel¹, C. Haug¹, R. Kühf², B. Bohnhorst³, D. Viemann³, A. Simon⁴, M. Zemlin⁴, S. Poralla⁵, A. Müller⁵, N. Köstlin-Gille⁶, C. Gille⁶, M. Heckmann⁷, J. Rupp⁸, E. Herting¹, W. Göpel¹, C. Härtel¹

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ANTIMICROBIAL SKIN PEPTIDES IN PREMATURE INFANTS: CHARACTERIZATION AND IMPACT OF PERINATAL FACTORS

A. Humberg¹, L. Neuenburg¹, H. Böckel¹, M.I. Fortmann¹, C. Härtel², E. Herting¹, H. Hinrichs³, J. Harder³

¹Department of Pediatrics, University Hospital Schleswig-Holstein, Campus Lübeck, Lübeck;

²Department of Pediatrics, University Hospital, Würzburg; ³Department of Dermatology, Venerology and Allergology, Quincke Research Center, University-Hospital Schleswig-Holstein, Campus Kiel, Kiel, Germany.

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EPIDEMIOLOGY OF STAPHYLOCOCCUS AUREUS INFECTION IN THE NEONATAL PERIOD: A 12-YEAR SINGLE CENTER EXPERIENCE

M. Tsigotaki¹, I. Goniou¹, S. Maraki², E. Korakaki¹, O. Michopoulou¹, E. Hatzidaki¹

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1 Parker LA et al. J Perinatol. 2012; 32(3):205–209. 2 Meier PP et al. J Perinatol. 2012; 32(2):103–110. 3 Post EDMA et al. J Perinatol. 2016; 36(1):47–51. 4 Torowicz DL et al. Breastfeed Med. 2015; 10(1):31–37.
www.medela.com/breastfeeding-professionals/nicu/overview

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EPIDEMIOLOGICAL STUDY OF HOSPITAL-ACQUIRED CONJUNCTIVITIS IN A LEVEL III NEONATAL UNIT

I. Goniotakis, M. Tsirigotaki, A. Manoura, N.H. Anagnostatou, C. Thomou, E. Hatzidaki
Department of Neonatology & Neonatal Intensive Care Unit, University Hospital of Heraklion, Crete, Greece

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VANCOMYCIN-INDUCED OTOTOXICITY IN VERY-LOW-BIRTHWEIGHT INFANTS

J. Marissen¹, I. Fortmann², A. Humberg², T.K. Rausch^{2,3}, A. Simon⁴, A. Stein⁵, T. Schaible⁶, J. Eichhorn⁷, J. Wintgens⁸, C. Roll⁹, F. Heitmann¹⁰, E. Herting², W. Göpel², C. Härtel¹

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IV MISCELLANEOUS TOPICS

Chair: T. Curstedt, Stockholm, Sweden; T.W.R. Hansen, Oslo, Norway

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AN OBSERVATIONAL STUDY ON THE USE OF PERIPHERAL LINES VERSUS CENTRAL LINES IN NEONATAL INTENSIVE CARE UNITS

A. Riskin¹, A. Iofe¹, D. Zidan², I. Shoris¹, A. Toropine¹, D. Bader¹

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IS PHOTOTHERAPY ASSOCIATED WITH FUTURE CANCER RISK? A SYSTEMATIC REVIEW AND META-ANALYSIS OF 6,637,417 CHILDREN

M. Abdellatif¹, B. Hoang-Trong², G. Tawfik³, D. Papadopoulos⁴, M. Khaled⁵, M. Dobs⁶, P. Duong⁷, NT. Huy⁸

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"NEOBRIS" A RISK SCORE FOR PREDICTING THE INCIDENCE OF HEMORRHAGE IN CRITICALLY ILL NEONATES

R. Sokou¹, D. Piovan^{2,3}, A. Konstantinidi¹, A.G. Tsantes⁴, S. Parastatidou¹, M. Lampridou¹, G. Ioakeimidis¹, A. Gounaris⁵, N. Iacovidou⁶, A.G Kriebardis⁷, M. Politou⁸, P. Kopterides⁹, S. Bonovas^{2,3}, A.E. Tsantes⁴

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Saturday, October 2, 2021, 13⁰⁰ hrs

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**EVALUATION OF THE FAMILY-INTEGRATING CARE CONCEPT NEOPASS
FOCUSING ON PARENTAL STRESS, SELF-EFFICACY, SENSE OF COMPETENCE
AND THE PARENT-CHILD BONDING**

H. Seegerer^{2,3}, M. Zeller¹, M. Keller^{1,3}

¹Children`s Hospital Passau, Germany; ²University of Regensburg, Germany; ³Technical University of Munich, Germany

23

**COMPARATIVE SPECTROSCOPY OF THE 25 PAIRS OF THE FETAL (HB-F, CORD
BLOOD) & MATERNAL (HB-A) HEMOGLOBIN**

S.G. Gokhale¹, V. S. Daggubati²

¹Department of Biomedical Engineering, University of Texas Arlington, USA; ²Chief Executive Officer, Shani Biotechnologies LLC, USA

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40 YEARS OF EXPERIENCE IN A PRIVATE NICU IN GREECE

M. Saklamaki-Kontou, C. Panousopoulou, S. Mpikouvarakis, A. Ntanika, E. Apostolou
NICU, Mitera Hospital, Athens, Greece

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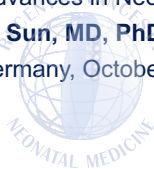
Honoring Prof. Tore Curstedt, MD, PhD, Stockholm, Sweden

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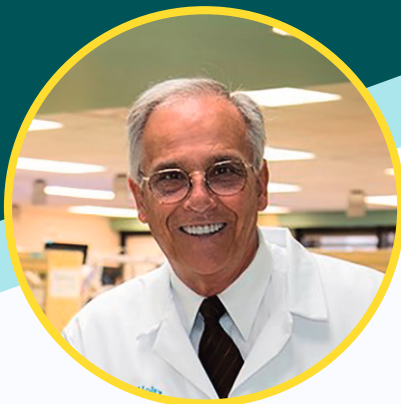
Thursday, September 30, 2021	16 ⁰⁰ – 19 ⁰⁰ hrs
Friday, October 1, 2021	7 ³⁰ – 18 ³⁰ hrs
Saturday, October 2, 2021	7 ³⁰ – 18 ⁰⁰ hrs
Sunday, October 3, 2021	7 ³⁰ – 17 ⁰⁰ hrs

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