VIth RECENT ADVANCES IN NEONATAL MEDICINE

AN INTERNATIONAL SYMPOSIUM HONORING PROF. MIKKO HALLMAN

WÜRZBURG, GERMANY OCTOBER 2 - 4, 2011

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Dear colleagues,

cordially welcome you at the VIth International Symposium *Recent Advances in Neonatal Medicine, October 2011*. This symposium is dedicated to my friend Prof. Mikko Hallman, MD, PhD, Oulu, one of the most prominent European scientists in neonatology. *Recent Advances in Neonatal Medicine* has become the largest scientific and educational forum outside the United States of America. At the last meeting in 2008, more than 700 neonatologists from 54 nations enjoyed the exceptionally high quality of the scientific presentations and the unique opportunity to discuss relevant clinical topics with the members of the faculty.

As with previous symposia in Tübingen (1996) and in Würzburg (1999, 2002, 2005 and 2008) the most recent achievements in basic science and clinical research in neonatal medicine will be presented. In addition, pre-symposium's workshops will cover the most relevant clinical issues in neonatology and young registered investigators and neonatologists will have the opportunity again to present own scientific data at a guided poster session. I am most grateful to all speakers and chairmen - highly respected and distinguished clinicians and scientists - who have accepted my invitation.

I wish you a pleasant stay in Würzburg and good memories of *Recent Advances in Neonatal Medicine 2011*.

With best regards

Christian P. Speer, MD, FRCPE
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<th>Time</th>
<th>Workshops</th>
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<tr>
<td>8:00</td>
<td>WS I Problems of Neonatology in Developing</td>
<td>Opening and Welcome</td>
<td>Concepts of Brain Protection and Outcome</td>
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<td>13:00</td>
<td>WS II Optimizing Neonatal Nutrition</td>
<td>Oxygen for the Preterm Infant</td>
<td>Medico-Legal Issues in the Perinatal Period</td>
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<td>WS III Optimizing Neonatal Research</td>
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<td>16:00</td>
<td>WS IV Circulation and Brain Injury</td>
<td>Injury to the Immature Lung</td>
<td>Metabolic and Nutritional Aspects</td>
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<td>20:00</td>
<td>WS V Stabilization, Resuscitation and</td>
<td>Pathogenesis of Neuronal Injury</td>
<td>Preventive Strategies</td>
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<td>Reception and Concert in the “Residence”</td>
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WORKSHOP I
PROBLEMS OF NEONATOLOGY IN DEVELOPING COUNTRIES

Chair: M. T. Khashaba, Mansoura; D. Woods, Cape Town

8.00 Simple ways to reduce hospital infections in newborn infants
   D. Woods, Cape Town

8.30 Problems in neonatal care in Arab countries
   J. Haddad, Beirut

9.00 Challenges in neonatal care in resource poor settings
   S. Saluja, New Delhi

9.30 Neonatal respiratory diseases in China
   B. Sun, Shanghai

10.00 DISCUSSION

10.30 COFFEE BREAK

WORKSHOP II
OPTIMIZING NEONATAL NUTRITION

Chair: S. Kusuda, Tokyo; G. E. Moro, Milan

11.00 Breast milk in premature infants
   N. Modi, London

11.30 Fetal and neonatal nutrition
   W. W. Hay Jr., Denver

12.00 Probiotics, a breakthrough in nutrition
   T. del Moral, Miami

12.30 Parenteral nutrition: When and how to start and finish?
   J. Bhatia, Augusta

13.00 DISCUSSION

13.30 LUNCH
WORKSHOP III
OPTIMIZING NEONATAL RESEARCH

Chair: M. Hallman, Oulu; A. H. Jobe, Cincinnati

11:00 How to do a systematic review
L. W. Doyle, Melbourne

11:30 How to write a successful grant application
A. H. Jobe, Cincinnati

12:00 How to get research published
M. Hallman, Oulu

12:30 How to improve benchmarking and trend analysis in neonatal networks
D. Haumont, C. Nguyenba, Brussels

13:00 DISCUSSION

13:30 LUNCH

POSTERWALK

POSTER SESSION I - NEONATAL PULMONOLOGY, INFECTIONS
Chair: M. P. Sherman, Columbia; B. Sun, Shanghai

POSTER SESSION II - POSTNATAL ADAPTATION
Chair: I. A. Laing, Edinburgh; D. Woods, Cape Town

POSTER SESSION III - FACTORS INFLUENCING NEURODEVELOPMENTAL OUTCOME AND ROP
Chair: S. Saluja, New Delhi; L. S. de Vries, Utrecht

POSTER SESSION IV - BASIC RESEARCH, NUTRITION AND PHARMACOLOGY
Chair: J. Bhatia, Augusta; G. E. Moro, Milan

POSTER SESSION V - EPIDEMIOLOGY / FOLLOW-UP
Chair: L. W. Doyle, Melbourne; R. Morley, Melbourne
WORKSHOP IV
CIRCULATION AND BRAIN INJURY
Chair: I. A. Laing, Edinburgh; U. Simeoni, Marseille

14:30 Early versus late cord clamping
X. Carbonell-Estrany, Barcelona

15:00 Links between RBC transfusion and brain injury
R. D. Christensen, Salt Lake City

15:30 The use of vasoactive drugs in neonatology
J. Haddad, Beirut

16:00 Perinatal stroke: What is new?
L. S. de Vries, Utrecht

16:30 DISCUSSION

WORKSHOP V
STABILIZATION, RESUSCITATION AND VENTILATION
Chair: S. Chemtob, Montreal; O. D. Saugstad, Oslo

14:30 Resuscitation: latest guidelines
O. D. Saugstad, Oslo

15:00 Optimal technique and devices for neonatal resuscitation
A. B. te Pas, Leiden

15:30 Why we should use assist control volume ventilation
C. J. Morley, Melbourne

16:00 Congenital and ventilator-associated pneumonia in the NICU:
The scientific basis behind analyses of tracheal secretions for diagnosis and management
M. P. Sherman, Columbia

16:30 DISCUSSION
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RECENT ADVANCES IN NEONATAL MEDICINE
MONDAY, OCTOBER 3, 2011

8:15 Opening and Welcome
C. P. Speer, Würzburg

8:30 Laudatio for Prof. Mikko Hallman
O. D. Saugstad, Oslo

PRENATAL PROBLEMS AND POSTNATAL PROCEDURES AFFECTING THE VERY IMMATURE INFANT
Chair: H. L. Halliday, Belfast; M. Hallman, Oulu

8:45 Chorioamnionitis and neonatal morbidity: A causal relationship or a myth?
A. H. Jobe, Cincinnati

9:15 Neonatal stabilization and resuscitation: Have we got it right?
C. J. Morley, Melbourne

9:45 Sustained or not sustained inflation, this is the question
A. B. te Pas, Leiden

10:05 PANEL DISCUSSION

10:30 COFFEE BREAK

OXYGEN FOR THE PRETERM INFANT: HOW MUCH IS TOO MUCH?
Chair: A. H. Jobe, Cincinnati; E. S. Shinwell, Rehovot

11:00 Neonatal oxygen exposure and optimal oxygen saturations: Do we have the answer yet?
O. D. Saugstad, Oslo

11:20 Which oxygen saturation range for preterm infants?
B. Stenson, Edinburgh

11:40 PANEL DISCUSSION
CONTROVERSY: NONINVASIVE VENTILATION
- INDICATIONS AND LIMITATIONS -
Advocatus diaboli: C. J. Morley, Melbourne

1200 Enhance NCPAP, go for NIPPV
  A. Kugelman, Haifa

1220 Limitations of non-invasive ventilation:
  When is mechanical ventilation in the very immature
  infant indicated?
  E. Bancalari, Miami

1240 DISCUSSION

1300 LUNCH

INJURY TO THE IMMATURE LUNG:
STRATEGIES OF PREVENTION
Chair: S. Andersson, Helsinki; J.-H. Choi, Seoul

1400 Do we have consensus on the treatment of RDS?
  H. L. Halliday, Belfast

1430 Injury of the immature lung and bronchopulmonary
dysplasia: How much is preventable?
  E. Bancalari, Miami

1500 PANEL DISCUSSION

1530 COFFEE BREAK

PATHOGENESIS OF NEURONAL INJURY
Chair: K. Bry, Gothenburg; L. S. de Vries, Utrecht

1600 Intermittent hypoxic episodes – do they matter?
  R. J. Martin, Cleveland

1630 Understanding ischemic retinopathies:
  Emerging concepts from oxygen-induced retinopathy
  S. Chemtob, Montreal

1700 Severe hyperbilirubinemia and Kernicterus:
  Still a problem in 2011?
  M. Kaplan, Jerusalem

1730 PANEL DISCUSSION
CONCEPTS OF BRAIN PROTECTION AND OUTCOME
Chair: G. Buonocore, Siena; L. W. Doyle, Melbourne

9:00 Cooling in clinical practise: Who to cool, when and what else?
D. Azzopardi, London

9:30 Comparison of US vs MRI in predicting outcome
L. S. de Vries, Utrecht

10:00 Pulmonary and neurological outcomes of the most immature infants
L. W. Doyle, Melbourne

10:30 PANEL DISCUSSION

11:00 COFFEE BREAK

MEDICO-LEGAL ISSUES IN THE PERINATAL PERIOD
Chair: I. A. Laing, Edinburgh; H. B. Chan, Hong Kong

11:30 Iatrogenesis in the NICU – scope of the phenomenon and techniques for risk management and prevention
A. Kugelman, Haifa

12:00 Evidence-based guideline or protection of the profession against malpractice litigation
E. S. Shinwell, Rehovot

12:30 PANEL DISCUSSION

13:00 LUNCH
METABOLIC AND NUTRITIONAL ASPECTS
Chair: D. Haumont, Brussels; N. Modi, London

14:00 Neonatal hyper- and hypoglycemia: Why are they still controversial?
W. W. Hay Jr., Denver

14:30 Feeding the sick preterm infant: Controversies and evidence-based strategies
J. Bhatia, Augusta

15:00 Gastroesophageal reflux in premies: To treat or not to treat?
R. J. Martin, Cleveland

15:30 PANEL DISCUSSION

16:00 COFFEE BREAK

16:30 Chiesi Prize for Excellence in Neonatology
P. Chiesi, Parma

PREVENTIVE STRATEGIES
Chair: U. Simeoni, Marseille; M. P. Sherman, Columbia

16:45 Is there a role for GM- or G-CSF and immunoglobulins in the prevention and treatment of neonatal sepsis?
R. Carr, London

17:15 Risks and benefits of platelet transfusions
R. D. Christensen, Salt Lake City

17:45 Lactoferrin: The multifunctional protein that may become a standard of care in the NICU to prevent infection
M. P. Sherman, Columbia

18:15 PANEL DISCUSSION

18:45 Concluding Remarks
C. P. Speer, Würzburg
FACULTY

Prof. Sture Andersson, MD, PhD  
Neonatal Intensive Care Unit, University Children's Hospital,  
Helsinki, Finland

Prof. Denis Azzopardi, MD  
Institute of Clinical Sciences, Imperial College,  
Hammersmith Hospital, London, UK

Prof. Eduardo Bancalari, MD  
Div. of Neonatology, University of Miami, Miller School of Medicine,  
Miami, USA

Prof. Jatinder Bhatia, MD, FAAP  
Div. of Neonatology, Georgia Health Sciences University,  
Augusta, USA

Prof. Kristina Bry, MD  
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University of Gothenburg, Gothenburg, Sweden

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Dept. of Pediatrics, Obstetrics and Reproductive Medicine,  
University of Siena, Siena, Italy

Prof. Xavier Carbonell-Estrany, MD, PhD  
Institut Clinic de Ginecologia, Obstetricia i Neonatologia,  
Barcelona, Spain

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King’s College, London, UK

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Ste. Justine, Montreal, Canada

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Seoul National University Children’s Hospital, Seoul, Korea

Robert D. Christensen, MD  
Neonatology Research, Intermountain Healthcare,  
Salt Lake City, USA

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

Prof. Lex W. Doyle, MD  
Royal Women’s Hospital, Melbourne, Australia
Prof. Joseph Haddad, MD
Saint George University Hospital, Balamand University, Beirut, Lebanon

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Neonatal Unit, Saint-Pierre University Hospital, Brussels, Belgium

Prof. William W. Hay Jr., MD
Dept. of Pediatrics, Section of Neonatology, Colorado Clinical and Translational Science Institute, University of Colorado School of Medicine, Denver, USA

Prof. Alan H. Jobe, MD, PhD
Cincinnati Children’s Hospital, University of Cincinnati, Cincinnati, USA

Prof. Michael Kaplan, MB, ChB
Shaare Zedek Medical Center; Faculty of Medicine of the Hebrew University, Jerusalem, Israel

Prof. Mohamed T. Khashaba, MD
Neonatal Care Unit, Mansoura University Children's Hospital, Mansoura, Egypt

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Pediatric Pulmonary Unit, Bnai Zion Medical Center, Haifa, Israel

Prof. Satoshi Kusuda, MD
Tokyo Women's Medical University, Tokyo, Japan

Ian A. Laing, MD
Royal Infirmary of Edinburgh, Edinburgh, UK

Prof. Richard J. Martin, MD
Drusinsky-Fanaroff Chair in Neonatology, Rainbow Babies and Children’s Hospital, Case Western Reserve University, Cleveland, USA

Prof. Neena Modi, MD
Imperial College, London, UK

Prof. Teresa del Moral, MD, MPH
Division of Neonatology, Miller School of Medicine, University of Miami, Miami, USA
Prof. Colin J. Morley, MD  
Royal Women's Hospital, Melbourne, Australia

Ruth Morley  
Honorary Senior Research Fellow,  
Murdoch Children's Research Institute, Melbourne, Australia

Prof. Guido E. Moro, MD  
President of European Milk Bank Association (EMBA), Milan, Italy

Arjan B. te Pas, MD, PhD  
Department of Pediatrics, Leiden University Medical Center,  
Leiden, NL

Satish Saluja, MD, DNBP  
Dept. of Neonatology, Sir Ganga Ram Hospital, New Delhi, India

Prof. Ola D. Saugstad, MD, PhD, FRCPE  
Dept. of Pediatric Research, Rikshospitalet, Oslo, Norway

Prof. Michael P. Sherman, MD, FAAP  
Department of Child Health, University of Missouri Health Care,  
Columbia, USA

Prof. Eric S. Shinwell, MD  
Dept. of Neonatology, Kaplan Medical Center,  
Rehovot and Hebrew University, Jerusalem, Israel

Prof. Umberto Simeoni, MD  
Div. of Neonatology, University of the Mediterranean,  
Marseille, France

Prof. Christian P. Speer, MD, FRCPE  
University Children's Hospital, Würzburg, Germany

Dr. Ben Stenson  
Royal Infirmary of Edinburgh, UK

Prof. Bo Sun, MD, PhD  
Children's Hospital of Fudan University, Shanghai, China

Prof. Linda S. de Vries, MD  
Department of Neonatology, Wilhelmina Children's Hospital,  
Utrecht, NL

Prof. David Woods, MD  
University of Cape Town, Groote Schuur Hospital,  
Cape Town, South Africa
CHIESI PRIZE FOR EXCELLENCE IN NEONATOLOGY 2011

The Chiesi Prize for Excellence in Neonatology wishes to acknowledge an outstanding clinician and/or basic scientist in the field of neonatology whose professionalism, expertise and passion has significantly contributed to improving the care of the premature infants.

The awardee is selected by an independent panel of experts in neonatal medicine who take into consideration the clinical and scientific excellence and the empathy that has driven the awardee's outstanding lifelong experience in the field of neonatal medicine.

Past Prize Winners

2004  Prof. Mikko Hallman, MD, PhD, Oulu, Finland
2006  Prof. Christian P. Speer, MD, FRCPE, Würzburg, Germany
2008  Prof. Henry L. Halliday, MD, FRCPE, FRCP, FRCPCH, Belfast, UK

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Prof. Henry L. Halliday, MD, FRCPE, FRCP, FRCPCH, Belfast, UK
Prof. Mikko Hallman, MD, PhD, Oulu, Finland
Prof. Dominique Haumont, MD, Brussels, Belgium
Prof. Ola D. Saugstad, MD, PhD, FRCPE, Oslo, Norway
Prof. Christian P. Speer, MD, FRCPE, Würzburg, Germany

The awardee 2011 will be announced and honored by Dr. Paolo Chiesi, Parma, Italy on Tuesday, October 4, 2011.
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Fetal and Neonatal Research

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POSTER SESSION I - NEONATAL PULMONOLOGY, INFECTIONS
Chair: M. P. Sherman, Columbia; B. Sun, Shanghai

1 Chorioamnionitis and bronchopulmonary dysplasia in very low birth weight infants in Belo Horizonte, Brazil
Santa Fe Maternity and School of Medicine, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

2 The effect of surfactant therapy on peripheral perfusion shown by perfusion index: Preliminary study
M. Yalaz, D. Terek, D. Gonulal, O. Koroglu, M. Akisu, N. Kultursay
Ege University Medical Faculty, Department of Pediatrics, Division of Neonatology, Bornova-Izmir, Turkey

3 Association between tumor necrosis factor-α gene polymorphism and bronchopulmonary dysplasia in preterm infants
Department of Pediatrics, CHA Bundang Medical Center, CHA University, College of Medicine, Seongnam, Department of Laboratory Medicine¹; Korea Cancer Center Hospital, Seoul, Department of Pediatrics²; Seoul National University College of Medicine, Seoul, Korea

4 Early initiation of nasal continuous positive airway pressure for respiratory distress syndrome in preterm infants
S.-M. Stoicescu, L. Nastase
Mother and Child Care Institution, Maternity Polizu, Bucharest, Romania

5 Epidemiology of transitory tachypnea of the newborn
N. Avramovic¹, L. H. Avramovic², V. Soldo², D. Milankovic³, N. Cutura²
Institute for Medical Research, University of Belgrade¹; GAK "Narodni front" University of Belgrade²; Primary Health Care Center "Zemun"³, Belgrade, Serbia

6 Surveillance of ventilator associated pneumonia in NICU: Characteristics, risk factors and outcome
S. A. Afjeh, M. K. Sabzehei
Shahid Beheshti Medical University, Mahdieh Medical Center, Tehran, Iran
7 Pseudomonas aeruginosa infections due to electronic faucets in a neonatal intensive care unit
H. Yapicioglu¹, T. G. Gokmen², D. Yildizdas³, F. Koksalt⁴, F. Ozlu¹, E. Kale Cekilmız⁵, K. Mert¹, B. Mutlu¹, M. Satar¹, N. Narli¹, A. Candevir⁴
Cukurova University, Faculty of Medicine, Department of Pediatrics, Division of Neonatology¹; Department of Microbiology²; Department of Pediatrics, Division of Pediatric Intensive Care Unit³; Hospital Infection Control Committee⁴, Adana, Turkey

8 Effects of ibuprofen on sepsis parameters in preterm neonates
Zekai Tahir Burak Maternity Teaching Hospital, Division of Neonatology, Ankara, Turkey

9 The impact of different umbilical cord care practices on colonization and omphalitis
H. Ozdemir⁵, H. Bilgen¹, S. Coskun¹, T. Ozdogan¹, A. Topuzoglu², A. Ilkin³, G. Soyletir⁴, E. Ozek¹
Marmara University School of Medicine, Dept. of Pediatrics, Neonatology¹; Department of Public Health²; Department of Microbiology³, Istanbul, Turkey

10 Outbreak of Legionella pneumophila infection in neonates
T. Papadouri, P. Yiallouros, C. Karaoli, E. Papamichael, M. Zeniou, A. Hadjidemetriou
Neonatal Intensive Care Unit, Archbishop Makarios III Hospital, Nicosia, Cyprus

11 Clinical patterns and pathogens of neonatal sepsis from a 10-year retrospective, single center survey
S.-Y. Jiang¹, Y. Cao¹, C.-Q. Wang², Y. Yang², C. Chen¹
Pediatric Research Institute², Children's Hospital of Fudan University, Shanghai, China

POSTER SESSION II - POSTNATAL ADAPTATION
Chair: I. A. Laing, Edinburgh; D. Woods, Cape Town

12 Immediate postnatal period of healthy term neonates: What is the optimal oxygen saturation?
Department of Pediatrics, Neonatal Intensive Care Unit, Bakirkoy Dr. Sadi Konuk Research and Training Hospital, Istanbul, Turkey
13 Comparison of preductal oxygen saturation, cerebral oxygen saturation and heart rate values in healthy newborns during first five minutes of life
E. Kirimi, G. Taskin, O. Tuncer, E. Peker
Yuzuncu Yil University, Division of Neonatology, Van, Turkey

14 Influence of mask leak on applied volumes and pressures during simulated resuscitation of neonates
C. C. Roehr, J. Hartung, A. B. te Pas, M. Kelm, H. Fischer, G. Schmalisch
Department of Neonatology, Charité University Medical Center Berlin, Germany

15 Neonatal abstinence syndrome (NAS)
R. Rudanovic, M. Rudanovic, S. Buric
Clinical Centre of Montenegro, Institute for Child Disease, Neonatal Centre, Podgorica, Montenegro

16 A descriptive study of perinatal asphyxia at the University Hospital of Kinshasa (Congo)
T. Biselele¹, G. Naulaers², B. Tady¹
University Hospital of Kinshasa, Democratic Republic of Congo¹; Katholieke Universiteit Leuven, Department Woman and Child, Leuven, Belgium²

17 Late preterm infants
M. Nikolić – Pavlović, B. Stevanović
Public Hospital Leskovac, Serbia

18 Morbidity in late preterm infants
M. Jonovic, B. Miljkovic, N. Stojanovic, S. Stamenovic, S. Pop Trajkovic, G. Jovanovic, B. Mikic
Clinic for Gynecology and Obstetrics, Clinical Center Nis, Serbia

19 Assessment of the usefulness of "extended apgar score" in prognosis of death and neonatal complications
A. Góralska, J. Puskarz-Gąsowska, J. Tołoczko, M. K. Borszewska-Kornacka
Clinic of Neonatology and Neonatal Intensive Care, Medical University of Warsaw, Anna Mazowiecka University Hospital, Warsaw, Poland

20 Postnatal hypothermia and newborn babies' neutrophils dynamic
S. Janchevska¹, Z. Rajchanovska²
University Clinics of Gynecology and Obstetrics, Department of Neonatology, Skopje¹; PHO General Hospital, Negotino², Republic of Macedonia
21 Congenital genu recurvatum and bilateral developmental dysplasia of hip: A case report
K. Narad, D. Nayak
Department of Pediatrics, Dr. T.M.A. Pai Hospital, Udupi, Karnataka, India

22 Polish recommendations regarding treatment of mother and newborn at the limit of viability considering ethical aspects
M. Rutkowska, Team for Ethical Recommendations in Perinatology NICU, Institute of Mother and Child, Warsaw, Poland

POSTER SESSION III – FACTORS INFLUENCING NEURODEVELOPMENTAL OUTCOME AND ROP
Chair: S. Saluja, New Delhi; L. S. de Vries, Utrecht

23 Evaluation of the effects of live versus recorded lullabies in preterm infants
R. Garunkstiene, J. Buinauskiene, I. Uloziene, E. Markuniene
Department of Neonatology; Department of Otolaryngology Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania; Centre of Neonatology, Children's Hospital, Vilnius University Hospital Santariskiu klinikos, Vilnius, Lithuania

24 Broken dreams: The association between posttraumatic stress disorder and mothers of premature newborns in the neonatal intensive care unit
Y. Greenberg, N. Nao, L. Sirota, E. Hadi, P. Sirota
Schneider Children's Hospital, Petah Tiqva; Abarbanel MHC, Bat Yam; Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

25 Noise effects on hospitalized neonates
Gazi University Hospital, Department of Neonatology; Gazi University Department of Otolaryngology; Gazi University, Faculty of Engineering, Ankara, Turkey

26 Amiel-Tison neurological assessment of 97 preterm infants
T. Ozdogan, Y. Senel, S. Kavuncuoglu
Marmara University Pendik Teaching Hospital, Istanbul, Turkey
27 Brainwashing, a promising therapy for posthemorrhagic ventricular dilatation?
H. J. Guthe, H. Reigstad, R. Mahesparan, A. Whitelaw
Department of Paediatrics, Haukeland University Hospital, Bergen, Norway

28 Elevated bilirubin levels: Risk or protective factor for severe retinopathy of prematurity (ROP)?
Ob/Gyn University Clinic Belgrade, Department of Neonatology; Clinic of Ophthalmology, School of Medicine, Novi Sad; Ob/Gyn Clinic, School of Medicine, Pristina, Serbia

29 Relationship between lasertherapy in ROP and maximal inspiratory oxygen concentration
J. Tółłoczko, A. Sonczyk-Zapała, J. Puskarz-Gąsowska, M. K. Kornacka
Clinic of Neonatology and Neonatal Intensive Care, Medical University of Warsaw, Anna Mazowiecka University Hospital, Warsaw, Poland

30 Risk of surgery for retinopathy of prematurity in preterm very low birth weight infants
Department of Pediatrics, Division of Neonatology, Severance Children's Hospital
Yonsei University College of Medicine, Seoul, Korea

31 A rare case report in neonatology: Congenital arhinia
S. Nariman, R. Taghipour, S. H. Fakhræe
Rooiant Arash Women's Hospital, Tehran, Iran

POSTER SESSION IV - BASIC RESEARCH, NUTRITION AND PHARMACOLOGY
Chair: J. Bhatia, Augusta; G. E. Moro, Milan

32 Protective effects of ARG-GLN on intestinal inflammation and mucosal damage induced by LPS in CACO-2 cells
L. Ma, N. Li, J. Neu
Department of Neonatology, Shenzhen Baoan Maternity and Child Health Hospital, Shenzhen, China; Department of Pediatrics, University of Florida, Gainesville, FL, USA

33 The CBC: Reference ranges for neonates
E. Henry, R. D. Christensen, S. E. Wiedmeier
Intermountain Healthcare, Salt Lake City, USA
34 Normal GGT values in the first 28 days of life
Gazi University Hospital, Department of Neonatology; Department of Biochemistry, Ankara, Turkey

35 The possible role of lectin pathway of complement activation in intrauterine growth restriction at term
Neonatal Division, 2nd Department of Obstetrics and Gynecology and Research Laboratories, 2nd Department of Pediatrics, Athens University Medical School, Athens, Greece

36 Inhibition of recombinant human pigment epithelium-derived factor on oxygen-induced neovascularization of ROP
D. Yi, Q. Tian, C. Chao, S. Wenjing
Neonatal Intensive Care Unit, Fudan Univeristy Children's Hospital, Shanghai, China

37 The effect of two different parenteral nutrition regimens on parenteral nutrition associated cholestasis
Çukurova University, Neonatology Department, Adana, Turkey

38 The metabolic effects of two different lipid emulsions in premature infants - a randomized comparative study
Zekai Tahir Burak Maternity Teaching Hospital, Division of Neonatology, Ankara, Turkey

39 Peculiarities of the aminoacids content in preterm very low birth weight infants with intrauterine growth retardation
N. N. Volodin, M. V. Degtyareva, T. S. Gorban
Russian State Medical University, Moscow, Russia

40 High incidence of rickets in ELBW infants: Association of parenteral nutrition with severe cholestasis and BPD
R. Namgung, S. M. Lee, H. S. Eun, N. H. Kim, M. S. Park
Pediatrics, Yonsei University College of Medicine, Seoul, Korea

41 Are infants of diabetic mothers at higher risk for iron deficiency?
Ş. Coşkun, H. Bilgen, H. Özdemir, A. Memişoğlu, E. Özek
Marmara University Pendik Training and Research Hospital, Department of Pediatrics, Division of Neonatology, Istanbul, Turkey
42 Oral ibuprofen versus intravenous ibuprofen for patent ductus arteriosus closure in immature preterm infants
Zekai Tahir Burak Maternity Teaching Hospital, Divisions of Neonatology and Pediatric Cardiology, Ankara, Turkey

POSTER SESSION V - EPIDEMIOLOGY / FOLLOW-UP
Chair: L. W. Doyle, Melbourne; R. Morley, Melbourne

43 Late preterm neonates in Greece: School attainment at 7 and 18 years – a longitudinal study
E. Yatrakou, A. Gika, G. Kavadias, C. Bakoula
1st Pediatric Clinic, University of Athens, Aghia Sophia Children's Hospital, Athens, Greece

44 Identification of predictive markers for adult heart disease from gene expression profiling of cord blood
T. Yoshida, I. Takasaki, H. Kanegane, S. Inomata, A. Shimao, Y. Ito, S. Saito, T. Miyawaki
Division of Neonatology, Maternal and Perinatal Center, Toyama University Hospital, Sugitani, Toyama, Japan.

45 A retrospective follow-up study of chronic bilirubin encephalopathy in extremely low birthweight infants
Y. K. Lee, M. Enomoto, Y. Katayama, H. Minami
Department of Pediatrics & Neonatology, Takatsuki General Hospital, Osaka, Japan

46 The relationship between preterm birth and the risk factors for cardiovascular diseases in school children
S. Inomata, T. Yoshida, A. Shimao, K. Hatasaki, H. Imamura, T. Miyawaki
Division of Neonatology, Maternal and Perinatal Center, Toyama University Hospital, Toyama, Japan.

47 Perinatal and neonatal outcome among singleton infants conceived by in vitro fertilization compared with those conceived spontaneously
E. Papaioannou, P. Karagianni, P. Pratsiou, E. Milona, M. Kyriakidou, N. Nikolaidis
2nd Neonatal Intensive Care Unit and Neonatology Department, Medical School, Aristotle University of Thessaloniki, Greece
48 Effects of intrauterine growth restriction on metabolic and cardiovascular risk factors in peripubertal children
E. Papaioannou¹, P. Karagianni¹, C. Tsakalidis¹, D. Stakos², N. Nikolaidis¹
²nd Neonatal Intensive Care Unit and Neonatology Department, Medical School, Aristotle University of Thessaloniki¹; Cardiology Division, Democritus University of Thrace, Alexandroupolis², Greece

49 The associations of parental under-education and unemployment on the risk of preterm birth: Korean national birth registration database
S. H. Shin¹, H.-T. Lim³, H.-Y. Park¹, S. M. Park³, H.-S. Kim¹, J.-H. Choi⁴
Division of Cardiovascular and Rare Diseases, Department of Biomedical Sciences, National Institutes of Health¹; Department of Ophthalmology, Yonsei University College of Medicine³; Department of Family Medicine³; Department of Pediatrics⁴, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea

50 Comparison of characteristics and outcome of neonatal respiratory failure from three nation-wide and Hebei Province neonatal network studies
H. Wang, B. Sun and Chinese Collaborative Study Group for Neonatal Respiratory Diseases
Departments of Pediatrics and Neonatology, Children’s Hospital of Fudan University, Shanghai, China

51 Association of regional and size differences of neonatal intensive care units with management and outcome of neonatal respiratory failure
H. Wang, X. Gao, C. Liu, S. Xia, C. Yan, X. Lin, C. Yang, Z. Lin, B. Sun and Chinese Collaborative Study Group for Neonatal Respiratory Diseases, Departments of Pediatrics and Neonatology, Children's Hospital of Fudan University, Shanghai, China
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**General information / Poster instructions:**

- Posters should be mounted on Sunday, October 2, 2011 from 11:00 h and taken down on Tuesday, October 4, 2011 by 14:00 h.
- On Sunday, October 2, 2011 from 13:30 to 14:30 h a posterwalk which is guided by two chairmen will take place at the assigned poster area.
- A brief oral presentation (maximum 3 minutes) summarizing the most important findings will be performed by the responsible author.
Stephanie

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Monday, October 3, 2011

Reception
Garden Salon, 20\textsuperscript{00} h

Concert
Imperial Hall, 21\textsuperscript{00} h

WOLFGANG AMADEUS MOZART (1756 - 1791)
Quartet for Piano, Violin, Viola and Cello
in G minor, KV 478

ROBERT SCHUMANN (1810 - 1856)
Quartet for Piano, Violin, Viola and Cello
in E flat major, op. 47

Susanna Yoko Henkel, Violin
Amihai Grosz, Viola
Jing Zhao, Violoncello
Henri Sigfridsson, Piano
Würzburg is a medieval university town in the Franconian area of Germany with great tradition in science and culture from the middle age to the present. Magnificent buildings, such as Fortress Marienberg or the Residence of the Prince-Bishops, with its famous ceiling frescos by Giovanni Battista Tiepolo or the sculptures by Tilman Riemenschneider represent the rich cultural history.

The most beautiful season for a visit to Würzburg is autumn, when the grapes are being picked in the goldencoloured vineyards surrounding the city.

Würzburg is the centre of the Franconian wine-growing region which is famous for their exquisite wines filled in flask-shaped wine bottles, the "Bocksbeutel".

W. C. Röntgen, who discovered the X-rays in Würzburg in 1895, for which he received the first Nobel - Prize for Physics, established Würzburg's fame as a city of science.
The Residence is the Prince-Bishop’s palace and UNESCO-World-Heritage. It is the main work of the South German Baroque period and one of Europe’s most outstanding palaces. The Residence was built from 1720 till 1744 by Balthasar Neumann almost within a single generation. The significance of this great building therefore lies not in the vertical structure determined by history and tradition, but rather in the homogeneity of its style, the horizontal coherence and the breath of artistic vision. The Residence has a unique staircase with cantilever cupola and the world’s largest ceiling fresco by the Venetian Tiepolo.

In 1850 the first University Children’s Hospital in Germany was founded in Würzburg and located in the Juliusspital.

Architecture and painting have combined to make a staircase at Würzburg one of the most magnificent spatial creations ever achieved in a secular building.
Upon arrival at Frankfurt Airport please follow the sign "Long distance train" and enter an ICE/IC train to Würzburg at the Airport Station. There is an hourly direct train connection from Frankfurt Airport to Würzburg; travel time is approximately 1 hour and 20 minutes.
Würzburg Main Station (Hauptbahnhof) is within walking distance (less than 10 minutes) to the Congress Centre Würzburg (CCW) and Hotel Maritim. A taxi ride is 3 minutes. Most of the hotels are located within the city center.
The organizers would like to express their sincere gratitude for the generous support to the following sponsors:

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Details of symposium
Workshop and symposium lectures will be 30 minutes in duration followed by discussion periods. The discussions are informal sessions in which participants may directly interact with the faculty. This provides an opportunity for the practicing clinicians to discuss in detail their own unique problems, clinical experiences and/or to cover topics that are not included in the formal program.

Accreditation
Recent Advances in Neonatal Medicine 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.net. Recent Advances in Neonatal Medicine is designated for a maximum of 18 hours of European external CME credits. Following the accreditation from the EACCME, the meeting has been awarded

18 European CME credits (ECMEC).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. The EACCME credit system is based on 1 ECMEC per hour with a maximum of 3 ECMECs for half a day and 6 ECMECs for a full-day event.

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 the AMA.

In addition, the CME activity of “Recent Advances in Neonatal Medicine, Würzburg, October 2 -4, 2011” will also be accredited by the “Akademie für Ärztliche Fortbildung, Bayerische Landesärztekammer, Mühlbaurstraße 16, 81677 München”.

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GENERAL INFORMATION

SCIENTIFIC ORGANIZATION
Prof. Christian P. Speer, MD, FRCPE
University Children’s Hospital
Josef-Schneider-Str. 2
97080 Würzburg, Germany
Phone: ++49 931 - 201 27830
Fax: ++49 931 - 201 27833
e-mail: speer_c@klinik.uni-wuerzburg.de

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Imelda Mohn, Sina Charef
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Fax: ++49 931 - 37 3652
tagungen@wuerzburg.de

CONGRESS LOCATION
Congress Centre Würzburg (CCW)
Maritim Hotel
Pleichertorstraße 5
97070 Würzburg, Germany

Registration desk (opening hours):
Entrance Foyer of the Congress Centre Würzburg CCW:
Saturday  October 1, 2011  16:00 – 19:00 h
Sunday  October 2, 2011  7:00 – 17:00 h
Monday  October 3, 2011  7:00 – 18:00 h
Tuesday  October 4, 2011  7:00 – 18:00 h

CONGRESS LANGUAGE
English
Apnea of the Premature

A step forward

Peyona
caffeine citrate

A STEP FORWARD

- The efficacy of caffeine citrate
- The confidence and convenience of a Pharmaceutical Standard formulation
- Chiesi’s experience in neonatology

Peyona 20 mg/ml solution for infusion and oral solution
Caffeine citrate (equivalent to 10 mg/ml of caffeine base)

Each 1 ml ampoule contains 20 mg of caffeine citrate (equivalent to 10 mg of caffeine base).

Intravenous use/Oral use
10 ampoules

The first Pan European Pharmaceutical Standard caffeine citrate formulation specifically designed for the treatment of Apnea of the Premature