1st Congress of joint European Neonatal Societies

Budapest, September 19th - 20th 2015

HungExpo

Scientific Program

Artúr Beke
Hungarian Society
Morten Breindahl
ESN Society
Giuseppe Buonocore
UENPS Society
Pierre Gressens
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Miklós Szabó
Hungarian Perinatal Society
Luc Zimmermann
ESPR Society
Karen New
COINN

Program Updated on July 6th 2015
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Parallel Session: Chronic lung disease and lung injury
Parallel Session: Pharmacology track III
Parallel Session: Brain track VII
Plenary Session:

Tuesday, September 15th, 2015

Pre Congress Course: ESN Course 1: Lung

Tuesday, September 15th, 2015

Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals

Thursday, September 17th, 2015

Plenary Session: Bengt Robertson Honorary
Satellite Symposium: TO THE NICU AND BEYOND

Friday, September 18th, 2015

Satellite Symposium:

Saturday, September 19th, 2015

Pulmonary Symposium: Respiratory support

Saturday, September 19th, 2015

Satellite Symposium:
**Tuesday, September 15th, 2015**

09:00–17:00  
**HALL 1** 

**Pre Congress Course: ESN Course 1: Lung**

08:30 – 08:45  
**WELCOME**

08:45 – 09:15  
**THE PHYSIOLOGY OF BREATHING**  
*S. Hooper*  
*Monash, Australia*

09:15 – 09:45  
**NEONATAL RESPIRATORY FAILURE: A PATHOPHYSIOLOGICAL APPROACH TO RESPIRATORY MANAGEMENT**  
*O. Danhaive*

09:45 – 10:15  
**SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS**  
*D. de Luca*  
*Paris, France*

10:15 -10:45  
Coffee

10:45 – 12:15  
**WORKSHOPS 2 X 45 MIN**  
**SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION MONITORING**  
*A. te Pas*  
*Leids, The Netherlands*;  
*C.C. Roehr*  
*Oxford, UK*

**SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN PRACTICE**  
*R. Hentschel*  
*Freiburg, Germany*

12:15 -13:15  
Lunch

13:15 -14:45  
**WORKSHOPS 2 X 45 MIN**  
**SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE**  
*L. Cattarossi*  
*Udine, Italy*;  
*F. Raimondi*  
*Naples, Italy*

**SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR INSURE?**  
*K. Bohlin*  
*Stockholm, Sweden*;  
*D. de Luca*  
*Paris, France*
14:45 – 15:15 Coffee

15:15 – 15:45 HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW
A. Flemmer Munich, Germany

15:45 – 16:15 NON-INVASIVE VENTILATION MODES: WHAT’S NEW AND WHAT DO WE KNOW?
K. Bohlin Stockholm, Sweden

16:15 – 16:45 PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY FAILURE
O. Danhaive

16:45 – 17:00 Evaluation and summary

“industry-sponsored course” (please see part 2 page ....)
Pre Congress Course: Nurses (with translation in Hungarian)

09:00–09:20  THE COUNCIL OF INTERNATIONAL NEONATAL NURSES (COINN) - CONNECTING NEONATAL NURSES GLOBALLY
K. New COINN President, Brisbane, Australia

09:20–09:40  NEONATAL NURSING WORKFORCE – WHAT DO WE KNOW AND WHY IS THIS IMPORTANT?
C. Kenner COINN CEO, Yardley, USA

09:40–10:00 Neonatal Skin Crusades - what do neonatal skin injuries look like?
D. August Townsville, Australia

10:00–10:30 Coffee break

10:30–11:00 NEONATAL SKIN CARE - EVIDENCE BASED MANAGEMENT
D. August Townsville, Australia

11:00–11:30 Intravenous complications and management in newborns
A. van den Hoogen Utrecht, The Netherlands

11:30–12:00 The role of neonatal nurse educators in implementing an evidence-based neonatal resuscitation training program
R. Boland Melbourne, Australia

12:00–13:00 Lunch

13:00–13:30 Integrated crew resource management and family centered care
S. Glinghammar Stockholm, Sweden

13:30–14:00 Nurses' experiences of parental presence during resuscitation
J. Stenqvist Stockholm, Sweden

14:30–15:00 Improving the empowerment of parents: what do parents need to take over care?
S. Mader Munich, Germany
14:30–15:00 Coffee

15:00–15:20 IMPLEMENTING KANGAROO CARE – THE BENEFITS AND CHALLENGES!
   **B. Hill** Sydney, Australia

15:20–15:40 NURSING RESEARCH PRIORITIES IN EUROPE
   **A. van den Hoogen** Utrecht, The Netherlands

15:40–16:00 Education and Training in Maternal and Newborn Healthcare: How can Europe’s health professionals meet the challenges?
   **L. Johnston** Toronto, Canada

16:00–16:30 THE EVERY NEWBORN ACTION PLAN AND POST DEVELOPMENT GOALS – NEONATAL NURSES HAVE A ROLE!
   **K. New** COINN President, Brisbane, Australia
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals

09:00 – 09:30  Welcome – introduction and objectives
   HCP Chair and representatives from EFCNI and COINN TBC

09:30 – 10:00  A Preemie Parent’s Story – insight in to what the experience of being a preemie parent is and what HCPs can do to help make the journey easier for parents
   Parent of Preemie TBC

10:00 – 10:45  The Preemie parent journey – insights from global parent research
   D. Gray, Patient Relations, AbbVie

10:45 – 11:30  Parent burden study – key findings from relevant health economics and outcomes research
   P. Vo, HEOR, AbbVie

11:30 – 12:00  Discussion and Q&A
   Chair TBC (healthcare professional)

12:00 – 13:00  Lunch Break

13:00 – 16:00  HCP TRACK 1 (doctors):

13:00 - 13:45  Part 1: Understanding risk communications
   J. Paling, Risk Communication Institute

13:45 – 15:45  Part 2: Communications training
   - Barriers to effective HCP/parent communication
   - How do I get my message across and make sure it is heard
   - Asking the right questions and understanding non-verbal communication
   - Practical exercises
   M. Devan, Point Taken
13:00 – 16:00        HCP TRACK 2 (nurses)

13:00 – 13:45 Part 1: Led by COINN
Representative from COINN TBC

13:45 - 15:45 Part 2: Communications training
• Barriers to effective HCP/parent communication
• How do I get my message across and make sure it is heard
• Asking the right questions and understanding non-verbal communication
• Practical exercises
  B. Rogers, Point Taken

13:00 – 15:45 Parent Track: Capability workshop What are the skills and capabilities that make parent organizations most successful?
• Building a successful parent group – roadmap to success
• Learnings from the parent experience
  A representative from EFCNI - TBC and parent of preemie - TBC

15:45 – 16:00 Coffee Break

16:00 – 16:45 Key insights from break-outs and plan for action
Overview from EFCNI, COINN and HCP pulling together key learnings and action points from the day
  HCP Chair and representatives from EFCNI and COINN – TBC

16:45 – 17:00 Conclusion and thank you
  HCP Chair and representatives from EFCNI and COINN - TBC

"industry-sponsored course"  (please see part 2  page …)
Wednesday, September 16th, 2015

09:00-17:00  PLENARY HALL

Pre Congress Course: Haematological problems in neonatal period

09:00 – 09:45  Anemia in the neonatal period
  R.D. Christensen

09:45 – 10:30  Identifying neonates likely to benefit from a red blood cell transfusion
  R.D. Christensen

10:30 – 11:15  The appropriate use of blood
  S. Perrone  Siena, Italy

11:15 - 11:30  Coffee Break

11:30 – 12:15  Pathophysiology of coagulation and deficiencies of coagulation factors in the newborn
  C. Dame  Berlin, Germany

12:15 – 13:00  Risk of thrombosis in the newborn
  A.C. Molinari  Genoa, Italy

13:00 - 14:00  Lunch

14:00 – 14:45  Thrombocitopenia: clinical aspects
  A. Del Vecchio  Bari, Italy

14:45 – 15:30  Polycythemia and hyperviscosity
  R.D. Christensen
Pre Congress Course: Neonatal Transportation

08:30 – 09:00  Registration, coffee

Introduction to burning platforms in neonatal transportation

09:00 – 09:05  Introduction, agenda
   M. Breindahl Copenhagen, Denmark

09:05 – 09:30  Burning platforms in neonatal transportation
   M. Breindahl Copenhagen, Denmark - M.T. Lluch Australia - S. Broster UK

Clinical experience No 1

09:30 – 10:00  Neo-pets, copenhagen
   M. Breindahl Copenhagen, Denmark

10:00 – 10:30  Coffee break

Clinical management of the sick newborn in retrieval (including stabilisation and transfer)

10:30 – 11:00  Ventilation principles, incl. No & hfov
   D. Null Utah, USA

11:00 – 11:30  Circulatory support, no, ecmo on wheels

11:30 – 12:00  Therapeutic hypothermia during transport based on the ice trial
   M. Stewart Victoria, Australia

12:00 – 13:00  Lunch break
Clinical experience No 2

13:00 – 13:30  Ants, east of england
* S. Broster UK

Skills in triage, communication and prioritization

13:30 – 14:00  Triage in theory and praxis, prioritisation of transport requests
* M. Stewart Victoria, Australia

14:00 – 1430  Communication with referring and receiving unit
TBD

The importance of safety in transport

14:30 – 15:00  Safety issues for the infants and the transport staff, parents on board?
TBD

1500 – 1530  Coffee break

Clinical experience No 3.

15:30 – 16:00  Piper and the role of nets in statewide neonatal education, melbourne
* M.T. Lluch Australia

Governance, legal aspects of transport medicine, education and training

16:00 – 16:25  Responsibilities – and grey areas
* S. Broster UK

16:25 – 16:50  Transport team education, experience, personal qualifications
* F. Smith UK

16:50 – 17:00  Summary, evaluation and next steps
* M. Breindahl Copenhagen, Denmark - *M.T. Lluch Australia - *S. Broster UK
Pre Congress Course: ESN course 2: Brain MRI

08:20 - 08:30  
**Introduction to the course**  
*L. Ramenghi* Genoa, Italy

08:30 - 9:15  
**Fetal MRI guided assessment of neonatal imaging modalities**  
*A. Righini* Milan, Italy

**NEONATAL ENCEPHALOPATHY**

09:15 – 09:45  
**Brain lesions related to Neonatal Asphyxia: sentinel events and intrapartum asphyxia**  
*M. Benders* Utrecht, Nederlands

09:45 – 10:15  
**Arterial Ischaemic lesions.**  
*J. Dudink* Rotterdam, The Netherlands

10:15 – 10:45  
**Sinovenous thrombosis and venous stroke**  
*L. Ramenghi* Genoa, Italy

10:45 - 11:15  
**Coffee Break**

11:15 – 11:45  
**Neonatal Infections.**  
*L. de Vries* Utrecht, The Netherlands

11:45 – 12:15  
**Observing an MRI scan: When to suspect a genetic or a metabolic disease in a neonate**  
*D. Tortora* Genoa, Italy

12:15 – 12:30  
**Summary of the morning**

12:30 – 13:30  
**Lunch**

**THE PRETERM BRAIN**

13:30 – 14:00  
**GMH-IVH and White matter disease**  
*M. Benders* Utrecht, Nederlands

14:00 - 14:30  
**Acquired haemorrhagic lesions of the cerebellum**
**L. Ramenghi** Genoa, Italy

14:30 – 15:00  MRI and US at term equivalent age; prognostic value  
*L. de Vries* Utrecht, The Netherlands

15:00 - 15:30 Coffee break

15:30 – 16:00  Scoring the preterm brain at term equivalent age with conventional MRI  
*M. Fumagalli* Milan, Italy

16:00 – 16:30  Filling the gap between conventional MRI and DTI applications and the most recent evolutions  
*S. Counsell* London, UK

16:30 - 17:00  Brain maturation of the preterm brain between human and animal models: What have we learned?  
*P. Huppi* Genève, Switzerland

17:00 – 17:15  Summary – Evaluations and next steps
Pre Congress Course: Nutrition for the preterm & breastfeeding

09:00-09:30  Unique features of human milk
     H. Varendi Tartu, Estonia

09:30 – 10:00  Early feeding of fortified breast milk
     C. Poets Tübingen, Germany

10:00-10:30  CMV infection prophylaxis related to breast milk feeding in preterm infants
     C. Poets Tübingen, Germany

10:30-11:00  Coffee Break

11:00-11:30  Benefits of donor human milk for preterm infants
     S. Arslanoglu İzmir,Turkey

11:30-12:00  Human milk banking in europe: actual situation and european survey
     S. Arslanoglu İzmir,Turkey

12:00-13:30  Lunch

13:30-14:00  Lutein: characteristics and needs
     G. Buonocore Siena, Italy

14:00-14:30  Iron prophylaxis and treatment during breastfeeding
     M. Domellöf Umeå, Sweden

14:30-15:00  Prevention of NEC
     J. Neu Gainsville, USA

15:00-15:30  Coffee break

15:30-16:00  LC-PUFA requirements for preterm neonates
     M. Makrides Adelaide, Australia
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<td>Feeding the preterm after discharge</td>
<td>A. Lapillonne</td>
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Pre Congress Course: Neonatal Infections

08:45 – 09:00 Welcome & Introduction

09:00 – 09:15 Survey - hand hygiene

09:15 – 10:00 Chorionamnionitis and prenatal infections
  B. Kramer Maastricht, The Netherlands

10:00 – 10:30 Coffee

10:30-11:15 Prevention of group b streptococcal infection: an update
  P. Manzoni Turin, Italy

11:15-12:00 Nosocomial infections: strategies for prevention and management
  D. Haumont Brussels, Belgium

12:00 – 12:30 Prevention of neonatal fungal infections
  P. Manzoni Turin, Italy

12:30 – 13:30 Lunch

13:30 – 14:15 How to approach enterovirus sepsis in nicu
  E. Zamora Flores Madrid, Spain

14:15 – 15:00 Use and misuse of antibiotics in nosocomial infections
  K. Allegaert Leuven, Belgium

15:00 – 15:30 Coffee

15:30-16:30 Panel debate: which practices to decrease infections in nicu?
  All speakers

16:30 Conclusions
Pre Congress Course: Family-centred care

9:00 – 9:45  The evidence base and systems perspectives of early brain protective interventions
B. Westrup  Stockholm, Sweden

9:45 – 10:30  Supporting sensory and brain development of very low birth weight infants in the nicu
N. Conneman  Rotterdam, The Netherlands

10:30 – 12:30  Family and infant neuro-developmental education (fine) - an educational model for bridging the gap between theory and practice
I. Warren  London, UK; M. Oude Reimer  Rotterdam, The Netherlands

12:30 – 13:30 Lunch break

13:30 – 14:15  Necessary ingredients for long term follow up care of premature infants: care, notice, study
A. van Wassenaer-Leemhuis  Amsterdam, The Netherlands

14:15 – 15:00  Going home safely: facilitating discharge from the nicu?
B. Hüning  Essen, Germany

15:00 – 17:00  Top - a preventive developmental intervention program for preterm infants and their parents
K. Koldewijn  Amsterdam, The Netherlands; M.J. Wolf  Amsterdam, The Netherlands
Pre Congress Course: Cohort Studies

9:00 - 9:15 Welcome and introduction / TB Henriksen

9:15 - 10:15 The anatomy of cohort studies, basic concepts incl causal inference and measures of association / TB Henriksen, CC Bach & Faculty

10:15 - 10:45 Exercise with abstracts: aim, study design and measures of association / TB Henriksen, CC Bach, T Williams & Faculty

10:45 - 11:15 Coffee break

11:15 - 12:00 Causal directed acyclic graphs (DAGs), confounding, intermediate variables, and collider stratification bias – incl strategies to minimize or deal with these, the use of multivariable analyses / CC Bach

12:00 - 12:15 Exercise: drawing DAGs / CC Bach & Faculty

12:15 - 13:00 Selection- and information bias +/- DAGs strategy / L Gagliardi

13:00 - 13:45 Lunch

13:45 - 14:15 Missing values and multiple imputation / D Virella

14:15 - 15:00 Hands on: methods to minimize bias and confounding; incl design and analyses / L Gagliardi & Faculty

15:00 - 15:30 Coffee break

15:30 - 16:15 What is the place for cohort studies in therapeutic evaluation? / D Virella

16:15 – 17:00 Questions and follow-up on discussion / Faculty
## Pre Congress Course: Near-infrared Spectroscopy

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<td>Dr. Elise Verhagen</td>
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<td>Principles of NIRS: methodology &amp; instrumentation</td>
<td>Prof. Martin Wolf</td>
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<td>Cerebral NIRS 1: transition at birth</td>
<td>Dr. Gehard Pichler</td>
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<td>Cerebral NIRS 2: autoregulation</td>
<td>Dr. Flora Wong</td>
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<td>Cerebral NIRS 3: longterm outcome</td>
<td>Dr. Elise Verhagen</td>
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<td>Multi-site NIRS: renal/abnominal</td>
<td>Dr. Elisabeth Kooi</td>
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<td>Practical demonstration of NIRS</td>
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<td>Multimodal and multichannel NIRS</td>
<td>Dr. Robert Cooper</td>
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<td>NIRS as a clinical tool: the SafeBoosC study</td>
<td>Dr. Simon Hyttel-Sorensen</td>
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<td>15.20-16.00</td>
<td>NIRS as a clinical tool: Pro-Con debate</td>
<td>Dr. Willem de Boode, Prof. Gorm Greisen</td>
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Wednesday, September 16th, 2015

17:30–19:00  PLENARY HALL

Plenary Session: Welcome

Chairpersons:

17:30-17:40 Honouring adolf valls i soler
   H. Hummler  Ulm, Germany

17:40-18:00 NICU of the future
   R. White  South Bend, USA

18:00-18:30 MicroRNA as biomarker of disease in preterm infants
   M.C. Albertini  Urbino, Italy

18:30-19:00 The unmet needs of perinatal medicine - multidisciplinary approach of the future
   S. Mader (Parents), L. Storari (Industry), D. Haumont (Neonatologist), A. van den Hoogen (Nurses)
   Facilitators: G.C. Di Renzo (FIGO secretary), N. Marlow (Past President ESPR)

19:00–22:00  EXHIBITION & POSTER AREA

19:00-22:00 Welcome Reception
Thursday, September 17th, 2015

09:00-11:00 PLENARY HALL

Parallel Session: New ways for diagnostics and imaging lung diseases
Chairpersons: U. Schubert; D. de Luca, Paris, France

09:00-09:30 4d ct of the lung
S. Hooper Monash, Australia

09:30-10:15 Functional applications of lung ultrasound to neonatal respiratory disease
F. Raimondi Naples, Italy

Lung ultrasound and respiratory support
L. Cattarossi Udine, Italy

10:15-10:30 Evaluation of physiological adaptation of the lung to postnatal life by lung ultrasound
(ID741)
M. Federici; M.G. Pattumelli; F. Feleppa; C. Gizzi; L. Massenzi; A.M. Giua; S. Sinibaldi;
M. Massoud; P.V. Federici Rome, Italy

10:30-10:45 Lung ultrasound diagnostic accuracy for pneumothorax in the suddenly decompensating
neonate: an international, prospective study (ID389)
F. Migliaro; X. Rodriguez Fanjul; N. Youssef; I. Corsini; S. Aversa; L. Grappone; F. Raimondi on behalf of the LUCI investigators Naples, Italy

10:45-11:00 Non-invasive monitoring of oxygen in the lungs of newborn infants by diode laser (ID856)
M. Larsson; P. Lundin; E. Krite Svanberg; J. Åkeson; K. Svanberg; S. Svanberg; S. Andersson-Engels; V. Fellman Lund, Sweden
Parallel Session: Ethics track I

**Chairpersons:**

09:00-09:30 Ethical questions/clinical research

*J. Lantos* Kansas City, USA

09:30-10:00 Bioethics at the bedside in the nicu

*E.A.A. Verhagen, The Netherlands*

10:00-10:15 Decision-making for extremely preterm infants: a survey about the attitudes and values within a multi-cultural society (ID537)

*M. Hendriks; H.U. Bucher; S. Klein; R. Baumann-Hölzle; J-C Fauchère* Zurich, Switzerland

10:15-10:30 Utilities for disability in a developing country: provider perspectives (ID338)

*S. Jondhale; E. Spiegel; I. Brajkovic; J. Partridge; V. Bhutani; P. Kumar Chandigarh, India*

10:30-10:45 Limiting life sustaining treatment for newborn infants: the wilst study (ID426)

*N. Aladangady; C. Shaw; K. Gallagher; E. Stokoe; N. Marlow for Collaborator Group London, UK*

10:45-11:00 Neonatal organ donation in scotland (ID570)

*L. Leven; N. Healy; K. O'Reilly* Glasgow, UK
Parallel Session: Systems medicine in neonatology

Chairpersons: O. Dammann Boston, USA; A. Lapillonne Paris, France

09:00-09:30 What is systems medicine?
C. Auffray Lyon, France

09:30-10:00 Systems epidemiology and the premature retina
O. Dammann Boston, USA

10:00-10:15 Does delayed passage of meconium and lower frequency of stools precede development of necrotising enterocolitis? (ID665)
E. Lilja, K. Sandberg, A. Elfvin Gothenburg, Sweden

10:15-10:30 Risk maternal factors for NEC in premature infants with GA under 28 weeks (ID223)
G. Olariu; L. Olariu; S. Olariu; M. Tunescu Timisoara, Romania

10:30-10:45 Circulating salicylic acid in obese children: association with fruit and vegetable consumption (ID519)
E. Verduci; C. Lassandro; B. Mariani; M. Brambilla; G. Radaelli; G. Banderali Milan, Italy

10:45-11:00 Abnormal Glucose Homeostasis and Low Leptin Levels In Newborns Born to Vitamin D Deficient Mothers (ID280)
N. Aslan; O. Pirgon; G. Sandal; M. Dundar Isparta, Turkey
**Parallel Session: Metabolism and nutrition track I**

**Chairpersons:** H. van Goudoever Amsterdam, The Netherlands; M. Makrides Adelaide, Australia

09:00-09:30  **Update on iron metabolism & iron requirements in perinatology: Role of hepcidin in fetal and postnatal life**  
S. Vaulont Paris, France

09:30-10:00  **Update on iron metabolism & iron requirements in perinatology: Iron supplementation during pregnancy**  
M. Makrides Adelaide, Australia

10:00-10:30  **Update on iron metabolism & iron requirements in perinatology: Iron requirements of infants & toddlers**  
M. Domellöf Umea, Sweden

10:30-10:45  **Growth and nutritional biomarkers of preterm infants fed a new powdered human milk fortifier: a multicenter, randomized, controlled, double-blind clinical trial (ID289)**  
J. Spalinger; J.-M. Hascoët; C. Billeaud; J.-C. Picaud; F. Mosca; A. Rubio; E. Saliba; M. Radkë; U. Simeoni; B. Guillois; P. Steenhout; J. Jaeger; L. Ameye; N.P. Hayes; J. Rigo Liège, Belgium

10:45-11:00  **Current espghan recommendations for preterm parenteral nutrition - a recipe for severe biochemical disturbances? (ID449)**  
S. Mulla; S. Cowey; R. Close; S. Pullan; R. Howe; J. Jones; L. Radbone; P. Clarke Norwich, UK
09:00-11:00 HALL 4

Parallel Session: Brain track I
Chairpersons: M. Benders Utrecht, Nederlands; L. Ramenghi Genoa, Italy

09:00-09:30 Thalamo-cerebellar connectivity (MICE)
F. Hoebeek Rotterdam, The Netherlands

09:30-10:00 Thalamo-cortical and thalamo-cerebellar connectivity
S. Counsell London, UK

10:00-10:15 Incidence of focal preterm brain injury in a dutch center specialized in treatment of extremely preterm birth
R. de Goederen; R. de Jonge; P. Govaert; M. Feijen-Roon; I. Reiss; J. Dudink Rotterdam, The Netherlands

10:15-10:30 Relationship between diffusion tensor imaging and fine motor function in young adults born with very low birth weight (ID528)
K.A.I. Evensen; I.M. Husby; A. Olsen; J. Skranes; A.M. Brubakk; A.K. Håberg; L. Eikenes Trondheim, Norway

10:45-11:00 Incidental findings on routine MRI scans in VLBW babies: should we expect the unexpected? (ID889)
M. Malova; A. Parodi; M. Severino; G. Morana; A. Rossi; A. Sannia; L.A. Ramenghi Genova, Italy
09:00-11:00  HALL 5

Parallel Session: Care in neonates

*Chairpersons:*

09:00-09:30  Evidence-based thermal care interventions

09:30-10:00  Actions required to improve neonatal mortality – the every newborn action plan

*K. New*  *Brisbane, Australia*

10:00-10:30  Skin care, pressure injuries and measurement tools

*D. August*  *Townsville, Australia*

10:30-11.00  Action research on relationship centered care

*C. Skene*  *Sheffield, UK*

11:30-12:30  PLENARY HALL

Plenary Session: Stem cells

*Chairpersons:*

11:30-11:35  Opening words

11:35–12:00  Stem cells and lung

*B. Kramer*  *Maastricht, The Netherlands*

12:00-12:25  Stem cells and brain

*C. Baud*  *Paris, France*

12:25-12:30  Discussion
13:30-15:00 PLENARY HALL

**Poster Session: Brain 1**

*Chair:* D. Rowitch San Francisco, USA; **U. Felderhoff-Müser** Essen, Germany

13:30-13:35  **N-ACETYLCYSTEINE AMIDE (NACA) MAY HAVE NEUROPROTECTIVE PROPERTIES AFTER PERINATAL ASPHYXIA (ID756)**  
*T. Benterud*

*S. de Jong; J.M. Kerstjens; A.E. den Heijer; A.F. Bos; S.A. Reijneveld; M.R. Potijk*  
Groningen, The Netherlands

13:40-13:45  **FULL NEONATAL EEG MONITORING: HOW WELL CAN NICU NURSES AND PHYSICIANS DETECT SEIZURES? AN EYE-TRACKER STUDY (ID335)**  
*L. De Wispelaere; R. Kharagjitsing; I. Reiss; L. Smit; J. Pel; P. Govaert; J. Dudink*  
Rotterdam, the Netherlands

13:45-13:50  **SEPARATE EFFECTS OF LOW PATERNAL AND MATERNAL EDUCATIONAL LEVEL ON RISK OF DEVELOPMENTAL DELAY IN 4 YEAR OLD BOYS AND GIRLS (ID410)**  
*S. de Jong; M.R. Potijk; A.E. den Heijer; S.A. Reijneveld; A.F. Bos; J.M. Kerstjens*  
Groningen, The Netherlands

13:50-13:55  **SERUM COPEPTIN AS A DIAGNOSTIC MARKER FOR FEBRILE AND EPILEPTIC SEIZURES (ID728)**  
*S. Kasser; B. Stöcklin; S. Fouzas; P. Schillinger; S. Cayir; R. Skendaj; M. Ramser; P. Weber; S. Wellmann* Basel, Switzerland
13:55-14:00  INCREASED RATES OF RETINOPATHY OF PREMATURITY AFTER INCREASING OXYGEN SATURATION TARGETS FOR VERY PRETERM INFANTS: A SINGLE-CENTRE EXPERIENCE (ID 037)
B. Manley; C.A. Kuschel; J.E. Elder; L.W. Doyle; P.G. Davis Parkville, Australia

14:00-14:05  Blood Pressure during the immediate neonates transition: Is the middle artery pressure (MAP) relevant for the regional cerebral Oxygenation (crSO2)? (ID 747)
N. Baik; B. Urlesberger; B. Schwaberger; G. Schmölzer; A. Avian; G. Pichler Graz, Austria

14:05-14:10  Between 1993 and 2012: Evolution of cerebral palsy in preterm children (ID 755)
M. Bickle Graz; J. Schneider; A.C. Truttmann Lausanne, Switzerland

14:10-14:15  754; 802;751; 073; 531;721; 488; 378; 379; 283
13:30-15:00    HALL 3

Poster Session: Nutrition & Gastroenterology Poster session 1
Chairpersons: S. Arslanoglu İzmir, Turkey; N. Embleton Newcastle, UK

13:30-15:00    HALL 4

Poster Session: Brain 2
Chairpersons: D. Edwards London, UK; D. Murray

13:30-15:00    HALL 5

Poster Session: Care, education and training in neonatology

15:00-17:00    PLENARY HALL

Parallel Session: Antibiotic resistance & antibiotic stewardship
Chairpersons: P. Manzoni Turin, Italy;

15:00-15:30    How to balance the interests of my patients against the other patients in my unit/hospital/society
G. Greisen Copenhagen, Denmark

15:30-16:00    Use of clinical guidelines in antimicrobial stewardship
P. Manzoni Turin, Italy

16:00-16:15    Efficacy of systemic fluconazole prophylaxis in reduction of systemic candidiasis in extremely low birthweight (ELBW) infants. (ID820)
V.S. Rajadurai; B.Sriram; P.C.Khoo; J.M.Manuel, P.Agarwal Singapore
16:15-16:30 Randomized trial of chlorhexidine versus povidone-iodine for skin antisepsis prior to central venous catheter insertion in preterm infants (eudract 2011-002962-19) (ID366)  
E. Kieran; A. O’Sullivan; J. Miletin; A. Twomey; S. Knowles; C. O’Donnell Dublin, Ireland

16:30-16:45 Adoption of aseptic non touch technique in northern ireland’s neonatal units (ID162)  
C. Anderson; M. Hogan; C. Carville; U. Toland Northern, Ireland

16:45-17:00 Influence of the technique of urine sampling of urinalysis result and contamination rate in neonatal period (ID739)  
M. Štimac; D. Kardum; M. Sipl; S. Pušeljić; V. Milas Osijek, Croatia
Parallel Session: Circulatory changes at birth and cardiovascular outcome
Chairpersons: W. de Boode  
Nymegen, The Netherlands  
C. Costa

15:00-15:30  
Long term cardiovascular outcomes of prematurity  
*S. Kotecha*  
Cardiff, UK

15:30-16:00  
Circulatory & cerebral changes at birth  
*G. Pichler*  
Graz, Austria

16:00-16:15  
The effect of prenatal caffeine on the cardiovascular transition at birth (ID232)  
*C. Binder-Heschl; K. Crossley; G. Polglase; D. Blank; V. Zahra; A. Moxham; K. Rodgers; S. Hooper*  
Graz, Austria

16:15-16:30  
The impact of premature lung disease on the maturation of cardiac performance in the first year of life: discerning early predictive markers of chronic lung disease (ID630)  
*P. Levy; A. Sanchez; T. Sekarski; M. Holland; A. Hamvas; G. Singh*  
Saint Louis, MO, USA

16:30-16:45  
Longitudinal assessment of myocardial strain and strain rate and the effect of chronic lung disease in preterm infants less than 29 weeks gestation (ID056)  
*J.D. Corcoran; O. Franklin; L. Mertens; A. EL-Khuffash*  
Dublin, Ireland  
Presenter: A.T. James

16:45-17:00  
Cardiac function after the immediate transitional period using a novel technique (ID188)  
*K. de Waal; N. Phad; A. Lakkundi; P. Tan*  
Newcastle, Australia
Parallel Session: Genetics track I

Chairpersons: D. Rowitch San Francisco, USA; S. Wellmann Basel, Switzerland

15:00-15:30 Migration disorders
R. Guerrini Florence, Italy

15:30-16:00 Genetics of congenital microcephalies (to reduce a bit the focus)
A. Verloes Paris, France

16:00-16:15 Neuroimaging in presumed perinatal arterial ischemic stroke and recognition of specific neuroradiological pattern: a single center experience (ID763)
M. Bertamino; M. Severino; M. Di Rocco; A. Rossi; L. Ramenghi and Stroke Group*(*V. Capra; I. Ceccherini; M.E. Celle; C. Gandolfo; A.C. Molinari; A. Palmieri; M. Pavanello; P. Picco; S. Renna; A. Rossi; R. Ravazzolo) Genova, Italy

16:15-16:30 Transcriptional regulation of sex-specific gonadal differentiation involves cooperation between WT1 and GATA4 on FOXL2 and SOX9 expression (ID861)
C. Dame; L.J. Rudigier, H. Scholz; K.M. Kirschner Berlin, Germany

16:30-16:45 A murine model of bronchopulmonary dysplasia – preliminary results from whole-genome mrna expression study in blood (ID769)
C. Revhaug; M. Zasada; A. Gro Rognlien; L. Baumbusch; A. Madetko-Talowska; P. Kwinta; M. Blik-Multanowski; J.J. Pietrzyk; O.D. Saugstad Oslo, Norway

16:45-17:00 Persistent hypomethylation of the preterm pig intestine (ID683)
X. Pan; F. Gao; T. Thymann; P. Sangild Copenhagen, Denmark
Parallel Session: Epidemiology track I

Chairpersons: J.P. Petersen; C.C. Bach

15:00-15:20 EPIPAGE 2
P.Y. Ancel Villejuif, France

15:20-15:35 Perinatal outcome of pregnancy without antenatal care
H. Orvos Szeged, Hungary

15:35-15:50 Preterm delivery in Hungary
A. Beke Budapest, Hungary

15:50-16:15 Is it time for an unified european neonatal network?
M. Weindling Liverpool, UK

16:15-16:30 Respiratory outcomes in late and moderately preterm infants: results from a population-based study (ID539)
S. Robinson; S.E. Seaton; R.J. Matthews; S. Johnson; E.S. Draper; B.N. Manktelow; L.K. Smith; N. Marlow; D.J. Field; E.M. Boyle Leicester, UK

16:30-16:45 Neurodevelopmental Disabilities and Special Health Care Needs at 12 Years in Children Born at < 26 Weeks` Gestation after Active Perinatal Care (ID833)
A. Farooqi; A. Holst; B. Hägglöf; M. Adamsson; F. Serenius Umeå, Sweden

16:45-17:00 Lasting Impact of Major Neonatal Morbidities on the Outcome of 10 to 16-Year Old Children Who Were Born at 23-25 Weeks Gestation after Active Perinatal Care (ID568)
A. Farooqi; F. Serenius Umeå, Sweden
Parallel Session: Brain track II
Chairpersons: L. de Vries Utrecht, The Netherlands; G. Natalucci

15:00-15:30 Autism
P. Curatolo Rome, Italy

15:30-16:00 Autism spectrum symptoms and very preterm birth
N. Marlow London, UK

16:00-16:15 Cognitive Functioning In Early Adolescence In Children Born At Or Less Than 25 Weeks Of Gestation After Active Perinatal Care In 1990s. (ID486)
A. Farooqi; M. Adamsson; F. Serenius; B. Hägglöf Umeå, Sweden

16:15-16:30 Delayed Cord Clamping at Birth Improves Motor Scores at 18 to 22 months Corrected Age: A Randomized Controlled Trial (ID384)
J. Mercer; D. Erickson-Owens; B. Vohr; R. Tucker; W. Oh; J. Padbury Providence, USA

16:30-16:45 Voice outcomes following very preterm birth (ID054)
S. Meldrum; K. Simmer; S. Vijayasekaran; N. French; V. Reynolds Perth, Australia

16:45-17:00 Timing of amplitude-integrated electroencephalography recording for prediction of outcome in premature infants (ID731)
E. Raiser; V. Neubauer; U. Pupp-Pagliow; U. Kiechl-Kohlendorfer; E. Griesmaier Innsbruck, Austria
Parallel Session: Dealing with death

**Chairpersons:** S. Mader Munich, Germany; J. Latour Plymouth, UK

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<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tr>
<td>15:00-15:20</td>
<td>Keynote lecture: Joint decision making in neonatal palliative care</td>
<td>J. Latour Plymouth, UK</td>
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<td>15:20-15:40</td>
<td>Parents with a muslim background</td>
<td>M. Elbarbary Riyadh, Saudi Arabia</td>
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<td>15:40-16:00</td>
<td>Parents with a jewish background</td>
<td>R. Wajntraub Jerusalem, Israel</td>
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<td>16:00-16:20</td>
<td>Parents with a christian background</td>
<td>J. Peters Munich, Germany</td>
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<td>16:20-16:40</td>
<td>Oral Communications</td>
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<td>16:40-17:00</td>
<td>Oral Communications</td>
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</table>
Plenary Session: Bengt Robertson Honorary

Chairpersons: L. Zimmermann Maastricht, The Netherlands; K. Bohlin Stockholm, Sweden

17.30-18.00  Bengt Robertson Award
            M. Hallman San Francisco, USA

18.00 -18.30  Lung ultrasound as a predictor of mechanical ventilation in neonates older than 32 weeks (ID399)
            J. Rodríguez-Fanjul; C. Balcells; V. Aldecoa-Bilbao; J. Moreno; M. Iriondo Barcellona, Spain

"industry-sponsored session" (please see part 2 page............)

Satellite Symposium: TO THE NICU AND BEYOND

Chairpersons: L. Zimmermann Maastricht, The Netherlands

18:30-19:00  BPD – Is there a ripple effect?
            J. Hascoet, France

19:00-19:30  Surfactant Dose - Another Perspective
            D. de Luca, Paris, France

19:30-20:00  The Late Preterms: Are They On Our Radar?
            E. Boyle, UK

"industry-sponsored session" (please see part 2 page)
Friday, September 18th, 2015

08:30-10:30 PLENARY HALL

**Plenary Session: Young Investigator Prize session**

*Chairpersons: G. Buonocore* Siena, Italy; *L. Zimmermann* Maastricht, The Netherlands

08:30-09:00 The endoplasmic reticulum stress

*W. Balduini* Urbino, Italy

09:00-09:15 Prediction of Neurodevelopmental Outcome in Infants with Intraventricular Hemorrhage using a functional MRI Score (ID762)

*K. Goeral; G. Kasprian; C. Leeb; R. Fuiko; A. Berger 1; M. Ollischar; K. Klebermass-Schrehof* Vienna, Austria

09:15-09:30 Predicting school-age cognitive capacities from the neonatal connectome in preterm born children (ID877)

*K. Keunen; M.J.N.L. Benders; A. Leemans; I.C. van Haastert; P.C. Fieret-Stam; L.H. Scholtens; M.A. Viergever; R.S. Kahn; F. Groenendaal; L.S. de Vries; M.P. van den Heuvel* Utrecht, The Netherlands

09:30-09:45 punctate white matter lesions: correlation to gestational age and swi appearance (ID888)

*M. Malova; A. Parodi; M. Severino; G. Morana; A. Sannia; A. Rossi; L.A. Ramenghi* Genova, Italy

09:45-10:00 bayley scales of infant and toddler development (edition 3) in a low risk healthy population (ID504)

*C. Ahearne; G. Hannon; M. Kiely; L. Kenny; J. O’B Hourihane; D. Murray* Cork, Ireland

10:00-10:15 pre-and postnatal growth restriction is a risk factor for severe retinopathy of prematurity dependent on gestational age at birth (ID444)

*S. Klevebro; P. Lundgren; U. Hammar; L. Smith; M. Domellöf; M. Bottai; B. Hallberg; C. Löfqvist; A. Hellström* Stockholm, Sweden

10:15-10:30 effect of withholding feeds on transfusion related acute gut injury in preterm infants – a randomised controlled trial (ID658)
11:00-12:30 PLENARY HALL

Parallel session: Metabolism and nutrition track II
Chairpersons: C. Poets Tübingen, Germany; C. Agostoni Milan, Italy

11:00-11:30 Probiotics in preterm infants: what works, and how?
N. Embleton Newcastle, UK

11:30-12:00 Lactoferrin trials
P. Manzoni Turin, Italy

12:00-12:15 Maternal antibiotics and term infant gut colonization (ID216)
G. Zachariassen; N. Hyldig; K. Shamrulazhar; L. Krych; G. Greisen; D.S. Nielsen Odense, Denmark

12:15-12:30 Dynamics of dna methylation at IGF2 in preterm and term infants during the first year of life (ID622)
C. Piyasena; J. Cartier; B. Khulan; K. French; G. Menon; J. Seckl; R. Reynolds; A. Drake Edinburgh, UK
Parallel Session: New surfactants/surfactant protection

Chairpersons: M. Sánchez-Luna Madrid, Spain; O. Danhaive

11:00-11:30 Effects of Recombinant Club Cell 10 kDa Protein in Respiratory Distress of Prematurity
A. Pilon Rockville, USA

11:30-12:00 Towards new inhibition-resistant surfactant preparations: polymers and biophysics
J. Pérez-Gil Madrid, Spain

12:00-12:15 A first-in-human clinical study on the safety and efficacy of a new synthetic surfactant (CHF 5633) in preterm infants with respiratory distress syndrome (ID805)
D.G. Sweet; M. Turner; Z. Stranak; R. Plavka; P. Clarke; B. Stenson; D. Singer; R. Goeltz; S. Gupta; S. Schmidtke; S. Harigopal; L. Fabbri; G. Varoli; C.P. Speer Edinburgh, UK

12:15-12:30 Brief antenatal inhibition of notch signaling attenuates fetal respiratory distress in preterm mice (ID277)
P.-N. Tsao; H.-C. Huang; S.-C. Wei Taipei, Taiwan
### Parallel Session: Pharmacology and Antibiotics

**Chairpersons:** C. Bührer *Berlin, Germany*; E. Jacqz-Algrain *Paris, France*

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<th>Time</th>
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<tr>
<td>11:00-11:20</td>
<td>Use of antibiotics in european nicus</td>
<td>W. Göpel <em>Luebeck, Germany</em></td>
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<td>11:20-11:40</td>
<td>Appropriate ab use</td>
<td>I. Lutsar <em>Tartu, Estonia</em></td>
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<td>11:40-11:55</td>
<td>Vancomycin therapeutic drug monitoring in neonates: are there intra-assay differences (ID098)</td>
<td>A. Smits; M. Oyaert; P. Vermeersch; V. Cossey; G. Naulaers; S. Pauwels; I. Spriet; K. Allegaert <em>Leuven, Belgium</em></td>
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<tr>
<td>11:55-12:10</td>
<td>Gentamicin exposure and sensorineural hearing loss in preterm infants (ID157)</td>
<td>A. Fuchs; L. Zimmermann; M. Bickle Graz; J. Cherpillod; J-F. Tolsa; T. Buclin; E. Giannoni <em>Lausanne, Switzerland</em></td>
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### Parallel Session: Pharmacology track I

**Chairpersons:**

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<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tr>
<td>11:00-11:30</td>
<td>Clinical pharmacology in neonates</td>
<td>J. van de Anker <em>Washington, USA</em></td>
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<td>11:30-12:00</td>
<td>Drug-induced nephrotoxicity in the newborn</td>
<td>V. Fanos <em>Cagliari, Italy</em></td>
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<tr>
<td>12:00-12:15</td>
<td>Early intravenous paracetamol closes ductus arteriosus in very premature infants: a randomized, controlled trial (ID111)</td>
<td>P. Härkin; A. Härnäs; O. Aikio; M. Valkama; M. Leskinen; T. Saarela; M. Hallman Oulo <em>Finland</em></td>
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12:15-12:30 Potentially harmful excipients in medicines prescribed in Neonatal Intensive Care Units (NICU) – product substitution as a way forward (ID148)

G. Nellis; I. Lutsar; H. Varendi; M. A. Turner; T. Metsvaht Liverpool, UK

11:00-12:30 HALL 4

Parallel session: Brain track III

Chairpersons: U. Felderhoff-Müser Essen, Germany; M. Gram

11:00-11:30 New mechanisms of brain damage in preemies: Neuroinflammation

B. Fleiss London, UK

11:30-12:00 New mechanisms of brain damage in preemies: Oligodendrocyte maturation

D. Rowitch San Francisco, USA

12:00-12:15 Early postnatal hydrocortisone impairs cerebellar growth and delays neonatal arousal in preterm pigs (ID143)

A. Brunse; P. Worsøe; M. Birck; P. Sangild Copenhagen, Denmark

12:15-12:30 Impact of hypoxia-ischaemia and dopamine treatment on Dopamine D2-like receptors in the preterm lamb brain (ID183)

S. Ingelse; N. Brew; U. Ratnayake; F. Wong Melbourne, Australia
Parallel Session: Patient-centred and developmentally supportive care

Chairpersons: B. Westrup Stockholm, Sweden

11:00-11:30 keynote lecture: Changing the paradigm for improving neonatal care – an update (2 years later)

S. Lee Toronto, Canada

11:30-11:45 Individualizing care for the prematurely born infant and her family with the nidcap model

N. Conneman Rotterdam, The Netherlands

11:45-12:00 The stockholm neonatal family-centred care study

B. Hallberg Stockholm, Sweden

12:00-12:15 Oral Communications

12:15-12:30 Oral Communications

13:30-14:30 PLENARY HALL

Poster Session: Brain 3

Chairpersons: M. Benders Utrecht, Nederlands; B. Fleiss London, UK

276,267,394,413,601,076,812,793,716,583,775,796
13:30-14:30  HALL 1

Poster Session: **Pulmonary Poster Symposium 2: Lung disease in the delivery room and beyond**
Chairs: Hans Fuchs
434,360,428,590,397,545,44,459,565,806,110,144

13:30-14:30  HALL 3

Poster Session: **Epidemiology Poster Session 1**
Chairpersons: Christina Friis Jensen; T. Brink Henriksen
EPI1 (623), EPI2 (656), EPI3 (203), EPI4 (321), EPI5 (710), EPI6 (670), EPI7 (824), EPI8 (201), EPI9, (734), EPI10 (569), EPI11 (765), EPI12 (686)

13:30-14:30  HALL 4

Poster Session: **Pharmacology poster session**
560, 359, 855, 198, 071, 501, 705, 385, 627, 094, 318, 119, 091

13:30-14:30  HALL 5

Poster Session: **Neonatal transportation**
116, 421, 170, 865, 847, 614, 411, 849, 363, 341, 171, 250
Parallel Session: Brain track IV

Chairpersons: P. Huppi Genève, Switzerland; B. Fleiss London, UK

14:30-15:00 Anesthetics pros
S. Dahmani France

15:00-15:30 Anesthetics cons
N. Robertson London, UK

15:30-15:45 Neuroinflammation, a key factor in the pathophysiology of preterm intraventricular hemorrhage: the role of microglia cells and haptoglobin as a feasible therapy (ID829)
A. Agyemang; S. Vallius; D. Ley; M. Gram Lund, Sweden

15:45-16:00 Systemic hemolysis and hyperoxemia in a rat pup model; a novel way of modeling effects of cardiopulmonary bypass (ID850)
Å. Jungner; S. Vallius; M. Gram; D. Ley Lund, Sweden

16:00-16:15 Cold-inducible RNA binding protein rbm3 prevents stress-induced apoptosis (ID361)
X. Zhu; A. Zelmer; J. Kapfhammer; S. Wellmann Basel, Switzerland

16:15-16:30 Brain injury and neurological deficits in different models of hypoxia-ischemia in neonatal mice (ID489)
B.S. Reinboth; C. Köster; K. Strasser; I. Bendix; U. Felderhoff-Müser; J. Herz Essen, Germany
Parallel Session: Microcirculation

Chairpersons: A. El-Khuffash; T. Austin Cambridge, UK

14:30-15:00 Keynote Lecture: Photoacoustic Imaging of the Microcirculation
P. Beard London, UK

15:00-15:30 keynote: Cerebrovascular control during sleep
F. Wong Australia

15:30-15:45 Temporal changes in microvascular function following preterm birth in guinea pigs (ID322)
R. Rahman; R. Dyson; K. Wright; M. Berry Wellington, New Zealand

15:45-16:00 Heme-oxygenase expression following preterm birth: evidence of a feed-forward mechanism driven by oxidative stress (ID629)
R. Dyson; A. Abbas; K. Shepherd; M. Kelly; H. Palliser; I. Wright Wollongong, Australia
16:00-16:15  Pacap can influence the vascular changes in the animal model of retinopathy of prematurity (ID240)

T. Kvarik; B. Mammel; D. Werling; A. Vaczy; D. Reglodi; T. Ertl; J. Gyarmati; T. Atlasz
Pecs, Hungary

16:15-16:30  The myocardial architecture changes due to persistent pulmonary hypertension of the newborn in an ovine animal model (ID885)

P. Agger; S. Lakshminrusimha; C. Laustsen; S. Gugino; J.R. Frandsen; M. Smerup; R.H. Anderson; V. Hjortdal; R.H. Steinhorn Aarhus, Denmark

14:30-16:30  HALL 2

Parallel Session: Genetics track II

Chairpersons: G. Buonocore Siena, Italy; A. Verloes Paris, France

14:30-15:00  Genetic susceptibility to white matter damage

M.L. Krishnan London, UK

15:00-15:30  Genetic predisposition to bpd

M. Hallman Oulu, Finland

15:30-15:45  Targeted next generation sequencing for mutation detection in neonatal and pediatric diffuse lung diseases (ID047)

C. Danhaive; D. Peca; A. Angioni; R. Cutrera San Francisco, USA

15:45-16:00  Genetic inactivation of pdgfrα leads to alveolar myofibroblast apoptosis, blocks alveogenesis and causes bpd in neonatal mice (ID348)

C.-Y. Yang; C. Li; P. Minoo Los Angeles, USA

16:00-16:15  Cellular aging, measured as telomere attrition rate, is not accelerated in preterm infants during the first 18 months of life (ID727)

E. Henckel; Z. Haider; P. Kosma; C. Palme-Kilander; G. Roos; S. Degerman; K. Bohlin Stockholm, Sweden
16:15-16:30 Quantification of the impact of pharmacogenetics on tramadol disposition in early infancy (ID095)

K. Allegaert; R. van Schaik; V. Cossey; C. Vanhole; J. de Hoon; J. van den Anker; S. de Wildt Leuven, Belgium

14:30-16:30 HALL3 Parallel Session: Epidemiology track II

Chairpersons: T. Brink Henriksen; T. Williams

14:30-15:00 keynote lecture: Genetic & epigenetic epidemiology & congenital malformations

15:00-15:15 Congenital heart disease, placental anomalies and indices of fetal growth in a nationwide cohort of 931,174 liveborn infants (ID550)

N.B. Matthiesen; T.B. Henriksen; J.W. Gaynor; P. Agergaard; C.C. Bach; V. Hjortdal; J.R. Ostergaard Aarhus, Denmark

15:15-15:30 Maternal overweight and obesity in early pregnancy and risk of infant mortality: a population based cohort study in sweden (ID342)

S. Johansson; E. Villamor; M. Altman; A.K. Edstedt Bonamy; F. Granath; S. Cnattingius Stockholm, Sweden

15:30-15:45 Gilbert genotypes and respiratory disease in very preterm infants, a cohort study (ID031)

J.P. Petersen; F. Ebbesen; M. V. Hollegaard; S. Andersson; D. M. Hougaard; O. Thorlacius-Ussing; T. Brink Henriksen Aarhus, Denmark

15:45-16:00 Congenital heart disease and indices of fetal cerebral growth in a nationwide cohort of 931,174 liveborn infants (ID722)

N.B. Matthiesen; T. Brink Henriksen; J.W. Gaynor; P. Agergaard; C.C. Bach; V. Hjortdal; J.R. Ostergaard Aarhus, Denmark

16:00-16:15 Relative size at birth and parental cardiovascular morbidity, a national register study (ID870)

P. Hovi; S. Alenius; S.P.K. Näsänen-Gilmore; M. Väärašmäki; M. Gissler; E. Kajantie Helsinki, Finland
16:15-16:30 Early life exposure to endocrine disruptors and TSH levels in newborns – analysis of three European cohorts (ID184)

M. de Cock; M.R. de Boer; E. Govarts; G. Schoeters; L. Palkovicova; T. Trnovec; N. Iszatt; M. Eggesbo; J. Legler; M. van de Bor
Amsterdam, The Netherlands

14:30-16:30 HALL5

Parallel Session: Human milk for the smallest: Breast-feeding in the NICU

Chairpersons: H. van Goudoever Amsterdam, The Netherlands; G. Buonocore Siena, Italy

14:30-15:00 Human milk for preterm infants – a chance for future development

H. van Goudoever Amsterdam, The Netherlands

15:00-15:30 Human milk in the NICU- impact on morbidity of preterms

N. Haiden Vienna, Austria

15:30-16:00 The breastfeeding-friendly nicu

R. Flacking Sweden

16:00-16:30 A preterm milk bank

A. Flemmer Munich, Germany
17:00-18:00  PLENARY HALL

**Plenary Session:**

**Chairpersons:**

17.00-17.30  Preterm birth & metabolic syndrome in adults  
*U. Simeoni* Lousanne, Switzerland

17.30 -18.00  Nutrition-microbiota effects on gut, brain and immunity just after preterm birth (neomune)  
*P. Sanglid* Copenhagen, Denmark

18:00-19:30  PLENARY HALL

**Satellite Symposium:**

**Chairpersons:**

“industry-sponsored session” (please see part 2 page………..)
Saturday, September 19th, 2015

08:00-09:00

HALL 1

ESN Business Meeting

09:00-11:00

PLENARY HALL

Parallel Session: Metabolism and nutrition track III

Chairpersons: J. Neu Gainesville, USA, N. Embleton Newcastle, UK

09:00-09:30

Intestinal microbial ecology and environmental factors

J. Neu Gainesville, USA

09:30-10:00

Keynote Lecture: Placental microbiome

R. Diaz Heijtz Stockholm, Sweden

10:00-10:15

Fecal microbiota transplantation decreases necrotizing enterocolitis but is associated with increased neonatal mortality in preterm pigs (ID713)

L. Martin; M.S. Cilieborg; M.M. Birck; T. Thymann; P.T. Sangild Copenhagen, Denmark

10:15-10:30

Early postnatal hydrocortisone fails to protect against necrotizing enterocolitis in preterm pigs (ID692)

P.S. Worsøe; T. Skeath; M.M. Birck; T. Thymann; P.T. Sangild Copenhagen, Denmark

10:30-10:45

The effect of gestational age on the clinical presentation of severe necrotising enterocolitis: a uk population study (ID712)

C. Battersby; S. Mandalia; N. Fitz-Simon; N. Modi London, UK

10:45-11:00

A study of impact of standardised feeding regime and probiotics on incidence & severity of necrotizing enterocolitis in pre-term babies, a single centre experience (ID643)

K. Mansoor; A. Upasani; A. Minocha; O. Kazeem; R. Roy Norwich, UK
Pulmonary Symposium: Respiratory support

Chairpersons: A. Flemmer Munich, Germany; C.C. Roehr Oxford, UK

09:00-09:25 Non invasive hfov
   D. de Luca, Paris, France

09:25-09:50 Non invasive ventilation
   C. Moretti Rome, Italy

09:50-10:15 Volume guarantee (vg) ventilation
   M. Sánchez-Luna Madrid, Spain

10:15-10:30 Volume guarantee on high frequency oscillatory ventilation in prterm infants: is it new lung protective strategy? (ID306)
   B. Iscan; N. Duman; F. Tuzun; A. Kumral; H. Ozkan Izmir, Turkey

10:30-10:45 Extubate: a randomised controlled trial of nasal biphasic positive airway pressure vs. Nasal continuous positive airway pressure following extubation in infants less than 30 weeks' gestation (ID039)
   S. Victor, S.A. Roberts; S.J. Mitchell; on behalf of Extubate Trial Group Manchester, UK

10:45-11:00 Interventions to improve rates of extubation success in preterm infants: a systematic review of the evidence (ID163)
   K. Ferguson; C. Roberts; B. Manley; P. Davis Melbourne, Australia

“industry-sponsored session” (please see part 2 page.............)
Parallel Session: Infection track III

**Chairpersons:** B. Kramer Maastricht, The Netherlands, D. Haumont Brussels, Belgium

09:00-09:30
**How collaboration can improve pharmacotherapy for antibiotics or nice guidelines and europe**
*M. Turner Liverpool, UK*

09:30-10:00
**TINN-1-2 & Neovanc - antibiotics**
*E. Jacqz-Aigrain Paris, France*

10:00-10:15
**Review of Second Line Antibiotic Choice on a Tertiary Neonatal Unit in the United Kingdom (ID615)**
*L. Perkins; J. Matthes Cardiff, UK*

10:15-10:30
**Nephrotoxicity related to vancomycin and amikacyn association in neonatal pacients (ID813)**
*R. Bianchi; M.L. Pequeno; H. Souza; B. Santin; J. Ropero; S. Salman; R. Mason; S. Taniguchi São Paulo, Brazil*

10:30-10:45
**Screening for congenital cytomegalovirus (CMV) infection - are we getting it right? (ID131)**
*M. Parmar; S. Bhayat; P. Dobbs; A. Joshi; S. Parida; C.S. Narayanan; N. Merchant Watford, UK*

10:45-11:00
**Bacteriological safety in transport, a continuous challenge (ID421)**
*G. Jourdain; P. Quentin; V. Derouin; A. Boet; JL. Chabernaud; D. de Luca Paris, France*
Parallel Session: Pharmacology track II

**Chairpersons:**

09:00-09:30 NEUROSIS – Inhalational steroids

*D. Bassler* Tubingen, Germany

09:30-10:00 Pharmacological sedation in the newborn; did we find the holy grail yet

*D. Tibboel* Rotterdam, The Netherlands

10:00-10:15 Reduction in prescription errors in a neonatal intensive care unit: a completed audit cycle (ID085)

*T. Fordham; H. Green; B. Qureshi; H. Ibrahim; N.V. Subhedar* Liverpool, UK

10:15-10:30 New perspectives in neonatal analgesedation: dexmedetomidine (ID573)

*F. De Rienzo; I. Demarchi; C. Fiorito; D. Sola; S. De Franco; I. Stasi; M.R. Gallina; F. Ferrero* Novara, Italy

10:30-10:45 SSRI/SNRI dose during pregnancy is associated with increased need for special nursery admission and resuscitation at birth (ID831)

*R. Kohan; C. Lewis; S. Robinson-Wolrath; T. Nguyen; F. Watt; J. Frayne; C. Saunders; S. Durack; L. Brennand; E. Nathan; J. Humphreys; D. Doherty* Western Australia

10:45-11:00 Doxapram therapy in newborns; should we still use it? (ID282)

*R. Flint; N. Halbmeijer; I. Reiss; S. Simons* Rotterdam, The Netherlands
Parallel Session: Brain track V

**Chairpersons: P. Gressens Paris, France; I. Bendix Essen, Germany**

**09:00-10:15 Neuroprotection**

*Neuroprotection: Xenon*

*D. Edwards London, UK*

*Neuroprotection: EPO*

*P. Huppi Genève, Switzerland*

*Neuroprotection: Challenges of hypothermia treatment*

*M. Szabó Budapest, Hungary*

**10:15-10:30**

Neurodevelopmental outcome after early high dose recombinant human erythropoietin in very preterm infants: results of a randomized placebo-controlled, double-blind trial (ID432)

*G. Natalucci; B. Latal; B. Koller; C. Rüegger; B. Sick; L. Held; H.U. Bucher; JC. Fauchère; on behalf of the 'The Swiss EPO Neuroprotection Trial Group' Zurich, Switzerland*

**10:30-10:45 Fingolimod reduces neonatal white matter damage and long-term cognitive deficits** (ID483)

*I. Bendix; M. Sardar; K. Kempe; J. Herz; K. Lumpe; B.S. Reinboth; S.V. Sizonenko; X. Hou; R. Hermann; M. Hadamitzky; R. Heumann; M. Sifringar; Y.v.d. Looji; U. Felderhoff-Müser Essen, Germany*

**10:45-11:00 The heme and radical scavenger α1-microglobulin (a1m) confers protection of the periventricular white matter following perterm intraventricular hemorrhage** (ID862)

*S. Rutardottir; S. Sveinsdottir; S. R. Hansson; B. Åkerström; D. Ley; M. Gram Lund, Sweden*
Parallel Session: Blood pressure and autoregulation

Chairpersons: M. Weindling Liverpool, UK; E. Verhagen

09:00-09:30 NIRS
G. Greisen Copenhagen, Denmark

09:30-10:00 How to assess the circulation – cardiac function vs tissue oxygenation (pro-con debate)
W. de Boode Nymegen, The Netherlands

10:00-10:15 Dopamine infusion improves cerebral autoregulation in newborn piglets (ID340)
V.R. Eriksen; M. Rasmussen; G.H. Hahn; G. Greisen Copenhagen, Denmark

10:15-10:30 Exploring cerebral autoregulation (AR) in moderate and severe neonatal hypoxic ischemic encephalopathy (HIE) during whole body hypothermia (WBH) (ID688)
P. López-Ortego; J. Riera; M.C. Bravo; L. Sanch; R. Madero; E. Valverde; F. Cabañas; A. Pellicer Madrid, Spain

10:30-10:45 Optimal mean arterial blood pressure in preterm infants with less than 24 hours of age (ID819)
C.S. da Costa; M Czosnyka; P. Smielewski; G. Stevenson; C. Kemp; T. Austin Cambridge, UK

10:45-11:00 Serum cortisol levels and hydrocortisone supplementation in systemic low blood pressure in asphyxiated newborns treated with hypothermia (ID758)
K. Kovacs; A. Jermendy; A. Cseko; G. Bokodi; U. Meder; M. Szabo Budapest, Hungary
11:30-12:30 PLENARY HALL

IPRF Plenary Session

Chairpersons:

11:30-12:00 Targeted nanotherapies for perinatal brain injury
R. Kannan Baltimore, USA

12:00-12:30 EXOSOMES
S. Pluchino Cambridge, UK

13:30-15:00 PLENARY HALL

Poster Session: Epidemiology Poster Session2
Chairpersons: Luigi Gagliardi and Anne-Cathrine Finnemann Viuff

13:30-15:00 HALL 1

Poster Session: Perinatal care
124, 508, 175, 125, 210, 014, 375, 208, 425, 644, 707, 709, 732, 837, 649, 825, 043, 313, 046, 400, 640, 857, 187, 469, 417, 609

13:30-15:00 HALL 2

Poster Session: circulation 2
Simon Hyttel-Sorensen, P.M.A. Lemmers Utrecht, The Netherlands
333, 412, 234, 564, 314, 587, 090, 334, 516, 606, 737, 520, 884, 581, 567, 057, 209, 164
Poster Session: Nutrition and GASTROENTEROLOGY POSTER SESSION 2
Chairpersons: H. Varendi, Tartu, Estonia; J. Neu, Gainsville, USA

859, 134, 779, 628, 296, 248, 584, 226, 215, 494, 305, 786, 041, 774, 264, 249, 810, 714

Poster Session: Brain 4
Chairpersons: L. Ramenghi, Genoa, Italy; P. Gressens, Paris, France

045, 241, 156, 097, 293, 129, 405, 534, 088, 446, 860, 654, 247, 285, 004, 577, 377, 404

Poster Session: Pulmonary Poster Symposium 3: Lung Injury and BPD
Chairs: Olivier Danhaive and Ulrich Thome

559, 662, 256, 261, 678, 252, 461, 189, 423, 151, 301, 81, 787, 546, 344, 436, 782, 858
Parallel Session: Epidemiology track III

Chairpersons: T. Brink Henriksen; N.B. Matthiesen

15:00-15:30 keynote lecture: Diagnostic tests in neonatology

15:30-15:45 Incidence of acute kidney injury in premature infants according to akin criteria (ID604)
F.S. Cardona; T.M. Ehringer; S. Dufek; L. Unterasinger; D. Csáicsich; C. Aufricht Vienna, Austria

15:45-16:00 Hypothermia and respiratory distress syndrome in premature infants (ID733)
C.F. Jensen; F. Ebbesen; J.P. Petersen; A.S. Sørensen; C.C. Bach; T.B. Henriksen Aarhus, Denmark

16:00-16:15 Predictors of hospital discharge in a swiss national cohort of very preterm infants (ID656)
C. Rüegger; M. Adams; S. Schulzke; S. Wellmann; Swiss Neonatal Network Zurich, Switzerland

16:15-16:30 Perfluoroalkyl acid exposure and infantile colic: a study in the danish national birth cohort (ID490)
C.C. Bach; I. Milidou; B.H. Bach; E.A. Nohr; C. Søndergaard; J. Olsen; T.B. Henriksen Aarhus, Denmark

16:30-16:45 Guidelines for Neonatal surgery in Italy: work in progress (ID732)
I. Bernardini; M. Chiavanni; S. Tesoro; L. Marchesini; D. Bologni; W. Orlandi; M. Pioppo Perugia, Italy

16:45-17:00 Normal reference values for umbilical cord arterial ph in preterm and term infants (ID450)
B. Sköld; O. Stephansson; S. Johansson Stockholm, Sweden
Parallel Session: NICU design

Chairpersons: D. Haumont Brussels, Belgium; S. Mader Munich, Germany

15:00-15:30 keynote lecture: Guidelines for NICU design
R. White South Bend, USA

15:30-15:45 experiences from implementing a family-centred private room NICU
T. Mohns Veldhoven, The Netherlands

15:45-16:00 Rebuilding the unit: challenges and opportunities
B. Hallberg Stockholm, Sweden; S. Hegestam Stockholm, Sweden

16:00-16:15 Parents and hygiene - a contradiction
O. Helder Rotterdam, The Netherlands

16:15-16:30 Oral Communications

16:30-16:45 Oral Communications

16:45-17:00 Oral Communications
Parallel Session: Preterm-related diseases & inflammation

Chairpersons

15:00-15:30 Developmental regulation of inflammation in the preterm gut. Implications for neonatal necrotizing enterocolitis
   *B. Kramer* Maastricht, The Netherlands

15:30-16:00 Pulmonary inflammation in BPD - implications for a multimodal concept of prevention and therapy
   *C.P. Speer* Würzburg, Germany

16:00-16:15 Inhaled nitric oxide decreases mortality in infants less than 28 weeks gestation following preterm prelabour rupture of membranes (ID845)
   *S. Pal; G.J. Belteki; G. Vass; T. Ibrahim; Z. Molnar; Y. Singh; A.E. Curley*
   Cambridge, UK

16:15-16:30 Cord blood pentraxin-3 levels in respiratory disorders of the newborn (ID197)
   *M.O. Arslanoglu; E.C. Dinleyici; N. Tekin; T. Barsan Kaye; O. Aydemir; M.A. Aksit*
   Eskisehir, Turkey

16:30-16:45 Ultraviolet-c irradiation of donor human milk improves growth, intestinal function and systemic immunity in preterm pigs (ID799)
   *Y. Li; D.N. Nguyen; M. de Waard; A.M. Bojesen; T. Thymann; S.B. Bering; P.T. Sangild*
   Copenhagen, Denmark

16:45-17:00 Transcriptomics profiling of human necrotizing enterocolitis (ID108)
   *E. Tremblay; M.P. Thibault; E. Ferretti; C. Babakissa; V. Bertelle; M. Bettolli; K. Burghardt; J.F. Colombani; D. Grynspan; E. Levy; S. Mayer; D. Ménard; O. Mouterde; I.B. Renes; E.G. Seidman; J.F. Beaulieu Sherbrooke, Canada*
Parallel Session: Metabolism and nutrition track IV

Chairpersons: M. Domellöf Umea, Sweden, A. Lapillonne Paris, France

15:00-15:30 Preterm metabolic phenotype
R.K Pejaver Bangalore, India

15:30-16:00 Nutritional value of protein-hydrolysed formulae
C. Agostoni Milan, Italy

16:00-16:15 Growth and development of piglets fed infant formulas varying in protein quantity and quality (ID687)
P.S. Worsøe; J.B. van Goudoever; B. Koletzko; E.M. van der Beek; M. Abrahamse-Berkeveld; B.J.M. van de Heijning; P.T. Sangild; T. Thymann Copenhagen, Denmark

16:15-16:30 Initiation of enteral feeding diet-dependently affects intestinal DNA methylation in preterm pigs (ID680)
X. Pan; F. Gao; T. Thymann; P. Sangild Copenhagen, Denmark

16:30-16:45 Dynamics of DNA methylation at IGF2 in preterm and term infants during the first year of life (ID622)
C. Piyasena; J. Cartier; B. Khulan; K. French; G. Menon; J. Seckl; R. Reynolds; A. Drake Edinburgh, UK

16:45-17:00 Understanding the available data: A comparison of observational studies and randomized trials of surgical treatments for necrotizing enterocolitis (ID579)
A.E. van Heesewijk; M.L. Rush; H. Kirpalani; S.B. De Mauro Philadelphia, USA
Parallel Session: Brain track VI

**Chairpersons:** B. Hallberg, Stockholm, Sweden; N. Marlow, London, UK

**15:00-15:20**

**Chemical biomarkers to predict brain injury (general, specific)**

S. Carloni, F. Proietti, Urbino, Italy

**15:20-15:40**

**Biomarkers of oxidative stress for the early identification of brain damage**

G. Buonocore, Siena, Italy

**15:40-15:55**

Regional cerebral oxygenation as measured by near-infrared spectroscopy (NIRS) is related to neurodevelopmental outcome at 2 years of age (ID544)

T. Alderliesten; I.C. van Haastert; W. Baerts; N.E. van der Aa; L.S. de Vries; C.Koopman; F. van Bel; P.M.A. Lemmers, Utrecht, The Netherlands

**15:55-16:10**

Validation of cerebral NIRS oximetry in newborn piglets (ID700)

M. Rasmussen; V. Eriksen; S. Hyttel Sorensen; G. Greisen, Copenhagen, Denmark

**16:10-16:25**

EEG background activity and seizure burden are associated with brain injury on MRI and neurodevelopmental outcome in full-term infants with hypoxic-ischaemic encephalopathy (ID472)

L. Weeke; G. Boylan; R. Pressler; B. Hallberg; F. Groenendaal; L. de Vries, Utrecht, The Netherlands

**16:25-16:40**

Altered Sleep Spindle Activity May Reflect Impaired Thalamocortical Connectivity in Very Preterm Children and Adolescents (ID655)

F. Wehrle; B. Latal; R. O’Gorman; C. Hagmann; R. Huber, Zurich, Switzerland
Parallel Session: Communication with parents for neonatal professionals

Chairpersons: S. Mader Munich, Germany

15:00-16:00 Family centred neonatal care à l’edmonton, canada! A collaborative journey of families, staff and physicians

M. Panas Edmonton, Canada; J. Tyebkhan Edmonton, Canada; L. Hendson Edmonton, Canada

16:00-16:15 Anxiety and depression in mothers and fathers of a very preterm born child after hospital discharge (ID186)

M. Jeukens-Visser; M. Husson; K. Koldewijn; A. Wassenaer-van Leemhuis; M. Flierman; D. Meijssen; P. van Schie Amsterdam, The Netherlands

16:15-16:30 Developing collaboration between staff and parents in the NICU, Honved Korhaz, Budapest Hungary (ID237)

Z. Boukydis; C. Nador; B. Schill; A. Lengyel Budapest, Hungary

16:30-16:45 Parent and nurse perspectives on parental participation and support in 11 European NICUS (ID288)

A. Axelin; S. Raiskila; B. Westrup; B. Silnes Tandberg; L. Lehtonen; SCENE research group Turku, Finland

16:45-17:00 Macro- and microanalysis of early mother-preterm infant interactions: implications for preventive intervention (ID374)

E. Kiepura; G. Kmita Warsaw, Poland
17:30-19:30  PLENARY HALL

Satellite Symposium:

Chairpersons:

“industry-sponsored session” (please see part 2 page……….)

17:30-18:30  HALL 1

ESPR Business Meeting
Sunday, September 20th, 2015

09:00-11:00  PLENARY HALL

Parallel Session: The prevention of Rh diseases: a Global Eradication Program
**Chairpersons: G. Buonocore Siena, Italy; A. Zipursky Toronto, Canada**

09:00-09:30  The global problem of rh hemolytic disease of newborns
**A. Zipursky Toronto, Canada**

09:30-10:00  The creation of a global program for the prevention of rh diseases
**V. Bhutani Stanford, USA**

10:00-10:15  Utilities for disability in a developing country: provider perspectives (ID338)
**S. Jondhale; E. Spiegel; I. Brajkovic; J. Partridge; V. Bhutani; P. Kumar Chandigarh, India**

10:15-10:30  Global Prevention of Rh-sensitization: An interactive, community-centered social platform (ID894)
**A.R. Stark; J.Y. Hall; A. Zipursky; V.K. Bhutani Stanford, USA**

10:30-10:45  Feasibility of using the eldon card in the peripartum diagnosis of rh incompatibility between mothers and their newborns (ID419)
**B.Q.Goka; S.A. Obed; A.B. Akwasi-Kumah; I.O. Koranteng; M.A. Nuamah; V. Beyuo; S.A. Oppong; M. Torto Accra, Ghana**

10:45-11:00  Point-of-Care detection of Rh negative pregnant women for the prevention of Rh iso-immunization (ID808)
**K.J. Hedegaard Denmark**
Parallel Session: Chronic lung disease and lung injury

Chairpersons: K. Bohlin Stockholm, Sweden; M. Roth

09:00-09:45 Steroid profilaxis
I. Kocsis Budapest, Hungary

Late pulmonary deterioration: another new form of bpd
V. Carnielli Ancona, Italy

09:45-10:00 Early Low-Dose Hydrocortisone Improves Survival without Bronchopulmonary Dysplasia in Extremely Preterm Infants: a Randomised, Double-Blind, Placebo-Controlled, Multicenter Trial (ID350)
O. Baud; C. Alberti; for the PREMILOC study group Paris, France

10:00-10:15 Plasma pro-endothelin-1 and pro-atrial natriuretic peptide as early biomarkers for development of bronchopulmonary dysplasia in very preterm infants (ID694)
R. Gerull; R. Neumann; M. Nelle; S. Schulzke; S. Wellmann Berne, Switzerland

10:15-10:30 Regulation of autotaxin and lysophosphatidic acid receptors 1 and 3 in the developing rat lung (ID780)

10:30-10:45 Impact of whole body cooling on respiratory outcomes in meconium aspiration syndrome: international multicentre retrospective study (ID358)
D. de Luca; D. Tingay; L. Perkins; A. van Kaam; A. Debray; C. Boussard; E. Valverde; S. Ares-Segura; M.P. De Carolis; C.C. Roehr; R. Jeenakeri; E.M. de Albuquerque-Diniz; C.E. Valdo-Carlamagno; W. Brunow de Carvalho; O. Danhaive; F. Mosca; P.G. Matassa; V. Vendettuoli; G. Conti; L. Lanciotti; V.P. Carnielli; M. Piastra Paris, France
10:45-11:00  Timely in-hospital vaccination of vlbw infants reduces the rate of bronchitis after discharge of vlbw infants (ID252)

G. Stichtenoth; C. Härtel; E. Herting; W. Göpel; GNN Network  Lübeck, Germany

09:00-11:00  HALL 3

Parallel Session: Pharmacology track III

Chairpersons:

09:00-09:30 PK MODELLING

Z. Wei

09:30-10:00 PK/PD AND DEEP TISSUES ISSUES.

J. van de Anker  Washington, USA

10:00-10:15 Pharmacokinetics of antenatal magnesium sulfate in preterm infants for neuroprotection (ID677)

N. Merchant; A. Hawaa; A.D. Edwards; E. Mulder; J. Derks; K. Keunen; C. Sol; H. Hagberg; M. Benders  London, UK

10:15-10:30 Low concentration pentoxifylline alone or combined with dexamethasone or azithromycin inhibits tlr-mediated inflammatory cytokine production in human neonates and adults (ID672)

E. Speer; D. Dowling; L. Ozog; A. Chander; J. Xu; J. Yang; O. Levy  Stony Brook, USA

10:30-10:45 Determination of optimal dosing of recombinant human IGF-1/IGFBP-3 to establish and maintain physiological intrauterine serum igf-1 levels in preterm infants (ID239)

B. Hallberg; I. Hansen-Pupp; J.-K. Chung; J. Sharma; G. Fetterly; M. Mascelli; N. Kreher; N. Barton; A. Hellström; D. Ley  Stockholm, Sweden

10:45-11:00 Risk assessment based on an experimental model to evaluate compatibility of recombinant IGF-1/IGFBP-3 with intravenous medications commonly administered in the neonatal environment (ID268)

M. Turner; A. Bandekar; N. Barton; T. Hsiao; E. Jochim; J. Knaack; N. Kreher; B. Mangum; C. McPherson; S. Tenjarla; N. Salamat-Miller  Liverpool, UK
09:00-11:00 HALL 4

Parallel Session: Brain track VII

**Chairpersons: S. Counsell London, UK; S. Horch**

09:00-09:30 New imaging techniques - Ultrafast doppler

*M. Tanter Paris, France*

09:30-10:00 Connectivity in the preterm baby

*M. Benders Utrecht, Nederlands*

10:00-10:15 A 3D map of ischemic stroke frequency in the neonatal brain (ID717)

*C. Stephan-Otto; G. Arca-Diaz; A. Garcia-Alix Barcellona, Spain*

10:15-10:30 Corpus callosum-fastigium length; a new sonographic marker for preterm brain growth (ID390)

*J.A. Roelants; I.V. Koning; M.M.A. Raets; S.P. Willemsen; I.K.M. Reiss; M.J. Vermeulen; P. Govaerts; J. Dudink Rotterdam, The Netherlands*

10:30-10:45 Late Preterm Children Show an Altered Developmental Trajectory for Cortical Thickness (ID007)

*J.E. Brumbaugh; E. Axelson; A. Conrad; P. Nopoulos Iowa City, USA*

11:30-13:00 PLENARY HALL

Plenary Session:

**Chairpersons**

11:30-12:00 Ethical challenges for the future

*A. Janvier, Canada*

12:00-12:30 WHO millenium

*B. Daelmans*

12:30-13:00 Closing Words
Sponsored Sessions

**Tuesday, September 15th, 2015**

09:00–17:00  HALL 1

Pre Congress Course: ESN Course 1: Lung

08:30 – 08:45  WELCOME

08:45 – 09:15  THE PHYSIOLOGY OF BREATHING  
_S. Hooper_ Monash, Australia

09:15 – 09:45  NEONATAL RESPIRATORY FAILURE: A PATHOPHYSIOLOGICAL APPROACH TO RESPIRATORY MANAGEMENT  
_O. Danhaive_

09:45 – 10:15  SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS  
_D. de Luca_ Paris, France

10:15 -10:45  Coffee

10:45 – 12:15  WORKSHOPS 2 X 45 MIN  
SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION MONITORING  
_A. te Pas_ Leids, The Netherlands; _C.C. Roehr_ Oxford, UK

SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN PRACTICE  
_R. Hentschel_ Freiburg, Germany

12:15 -13:15  Lunch

13:15 -14:45  WORKSHOPS 2 X 45 MIN  
SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE  
_L. Cattarossi_ Udine, Italy; _F. Raimondi_ Naples, Italy

SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR INSURE?
14:45 – 15:15 Coffee

15:15 – 15:45 HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW
A. Flemmer Munich, Germany

15:45 – 16:15 NON-INVASIVE VENTILATION MODES: WHAT'S NEW AND WHAT DO WE KNOW?
K. Bohlin Stockholm, Sweden

16:15 – 16:45 PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY FAILURE
O. Danhaive

16:45 – 17:00 Evaluation and summary

“Supported by an unrestricted educational grant by Chiesi”
Tuesday, September 15th, 2015

09:00–17:00          HALL 1

Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals

09:00 – 09:30    Welcome – introduction and objectives
                  HCP Chair and representatives from EFCNI and COINN TBC

09:30 – 10:00    A Preemie Parent’s Story – insight in to what the experience of being a preemie parent is and what HCPs can do to help make the journey easier for parents
                  Parent of Preemie TBC

10:00 – 10:45    The Preemie parent journey – insights from global parent research
                  D. Gray, Patient Relations, AbbVie

10:45 – 11:30    Parent burden study – key findings from relevant health economics and outcomes research
                  P. Vo, HEOR, AbbVie

11:30 – 12:00    Discussion and Q&A
                  Chair TBC (healthcare professional)

12:00 – 13:00    Lunch Break

13:00 – 16:00    HCP TRACK 1 (doctors):

13:00 - 13:45    Part 1: Understanding risk communications
                  J. Paling, Risk Communication Institute

13:45 – 15.45    Part 2: Communications training
                  • Barriers to effective HCP/parent communication
                  • How do I get my message across and make sure it is heard
                  • Asking the right questions and understanding non-verbal communication
                  • Practical exercises
                  M. Devan, Point Taken
13:00 – 16:00      HCP TRACK 2 (nurses)

13:00 – 13:45      Part 1: Led by COINN
Representative from COINN TBC

13:45 - 15:45      Part 2: Communications training
• Barriers to effective HCP/parent communication
• How do I get my message across and make sure it is heard
• Asking the right questions and understanding non-verbal communication
• Practical exercises
  B. Rogers, Point Taken

13:00 – 15:45      Parent Track: Capability workshop What are the skills and capabilities that make parent organizations most successful?
• Building a successful parent group – roadmap to success
• Learnings from the parent experience
  A representative from EFCNI - TBC and parent of preemie - TBC

15:45 – 16:00      Coffee Break

16:00 – 16:45      Key insights from break-outs and plan for action
Overview from EFCNI, COINN and HCP pulling together key learnings and action points from the day
  HCP Chair and representatives from EFCNI and COINN – TBC

16:45 – 17:00      Conclusion and thank you
  HCP Chair and representatives from EFCNI and COINN - TBC

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Thursday, September 17th, 2015

17:30-18:30       PLENARY HALL

Plenary Session: Bengt Robertson Honorary
Chairpersons: L. Zimmermann Maastricht, The Netherlands; K. Bohlin Stockholm, Sweden

17.30-18.00  Bengt Robertson Award  
M. Hallman Oulu, Finland

18.00-18.30  Lung ultrasound as a predictor of mechanical ventilation in neonates older than 32 weeks (ID399)  
J. Rodríguez-Fanjul; C. Balcells; V. Aldecoa-Bilbao; J. Moreno; M. Iriondo Barcelona, Spain

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18:30-20:00  PLENARY HALL

Satellite Symposium: TO THE NICU AND BEYOND
Chairpersons: L. Zimmermann Maastricht, The Netherlands

18:30-19:00  BPD – Is there a ripple effect?  
J. Hascoet, France

19:00-19:30  Surfactant Dose - Another Perspective  
D. de Luca, Paris, France

19:30-20:00  The Late Preterms: Are They On Our Radar?  
E. Boyle, UK

“Supported by an unrestricted educational grant by Chiesi”
Friday, September 18th, 2015

18:00-19:30 PLENARY HALL

Satellite Symposium:

Chairpersons:

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Saturday, September 19th, 2015

09:00-11:00 HALL 1

Pulmonary Symposium: Respiratory support

Chairpersons: A. Flemmer Munich, Germany; C. C. Roehr Oxford, UK

09:00-09:25 Non invasive hfov
D. de Luca, Paris, France

09:25-09:50 Non invasive ventilation
C. Moretti Rome, Italy

09:50-10:15 Volume guarantee (vg) ventilation
M. Sánchez-Luna Madrid, Spain

10:15-10:30 Volume guarantee on high frequency oscillatory ventilation in prterm infants: is it new lung protective strategy? (ID306)
B. Iscan; N. Duman; F. Tuzun; A. Kumral; H. Ozkan Izmir, Turkey

10:30-10:45 Extubate: a randomised controlled trial of nasal biphasic positive airway pressure vs. Nasal continuous positive airway pressure following extubation in infants less than 30 weeks' gestation (ID039)
S. Victor; S. A. Roberts; S. J. Mitchell; on behalf of Extubate Trial Group Manchester, UK

10:45-11:00 Interventions to improve rates of extubation success in preterm infants: a systematic review of the evidence (ID163)
K. Ferguson; C. Roberts; B. Manley; P. Davis Melbourne, Australia
“Supported by an unrestricted educational grant by Chiesi”

Saturday, September 19th, 2015
17:30-19:30 PLENARY HALL

Satellite Symposium:

Chairpersons:

“Supported by an unrestricted educational grant by Capnia”
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