

# 1<sup>st</sup> Congress of joint European Neonatal Societies

*Budapest, September 15<sup>th</sup> - 20<sup>th</sup> 2015*

HungExpo

## *Scientific Program*

**Artúr Beke**

*Hungarian Society*

**Morten Breindahl**

*ESN Society*

**Giuseppe Buonocore**

*UENPS Society*

**Pierre Gressens**

*ESPR Society*

**Silke Mader**

*EFCNI*

**Manuel Sánchez-Luna**

*UENPS Society*

**Miklós Szabó**

*Hungarian Perinatal Society*

**Luc Zimmermann**

*ESPR Society*

**Karen New**

*COINN*

*Program Updated on August 6<sup>th</sup>, 2015*

## **General Summary**

<b>Tuesday, September 15<sup>th</sup>, 2015</b>	<b>7</b>
Pre Congress Course: ESN Course 1: Lung	7
Pre Congress Course: Nurses (with translation in Hungarian)	9
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals	11
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals	<b>Errore. Il segnalibro non è definito.</b>
<b>Wednesday, September 16<sup>th</sup>, 2015</b>	<b>13</b>
Pre Congress Course: Haematological problems in neonatal period	13
Pre Congress Course: Neonatal Transportation	14
Pre Congress Course: ESN course 2: Brain MRI	16
Pre Congress Course: Nutrition for the preterm & breastfeeding	18
Pre Congress Course: Neonatal Infections	20
Pre Congress Course: Family-centred care	21
Pre Congress Course: Cohort Studies	22
Pre Congress Course: Near-infrared Spectroscopy	24
<b>Wednesday, September 16<sup>th</sup>, 2015</b>	<b>26</b>
Plenary Session: Welcome	26
<b>Thursday, September 17<sup>th</sup>, 2015</b>	<b>27</b>
Parallel Session: New ways for diagnostics and imaging lung diseases	27
Parallel Session: Ethics track I	28
Parallel Session: Systems medicine in neonatology	29
Parallel Session: Metabolism and nutrition track I	30
Parallel Session: Brain track I	31
Parallel Session: Care in neonates	32

Plenary Session: Stem cells	32
Poster Session: Brain 1	33
Poster Session: Circulation	35
Poster Session: Nutrition & Gastroenterology Poster session 1	39
Poster Session: Brain 2	41
Poster Session: Care, education and training in neonatology	43
Parallel Session: Antibiotic resistance & antibiotic stewardship	44
Parallel Session: Circulatory changes at birth and cardiovascular outcome	45
Parallel Session: Genetics track I	46
Parallel Session: Epidemiology track I	47
Parallel Session: Brain track II	48
Parallel Session: Dealing with death	49
Chairpersons: : <i>S.Mader</i> Munich, Germany; J. Latour Plymouth, UK	49
Plenary Session: Bengt Robertson Honorary	49
Satellite Symposium: TO THE NICU AND BEYOND	49
<b>Friday, September 18<sup>th</sup>, 2015</b>	<b>51</b>
Plenary Session: Young Investigator Prize session	51
Parallel session: Metabolism and nutrition track II	52
Parallel Session: New surfactants/surfactant protection	52
Parallel Session: Pharmacology and Antibiotics	53
Parallel Session: Pharmacology track I	54
Parallel session: Brain track III	54
Parallel Session: Patient-centred and developmentally supportive care	55
Poster Session: Brain 3	55
Poster Session: Epidemiology Poster Session 1	58

Poster Session: Pharmacology poster session	60
Poster Session: Neonatal transportation	61
Parallel Session: Brain track IV	62
Parallel Session: Microcirculation	63
Parallel Session: Genetics track II	64
Parallel Session: Epidemiology track II	64
Parallel Session: Human milk for the smallest: Breast-feeding in the NICU	66
Plenary Session:	66
Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?	67
<b>Saturday, September 19<sup>th</sup>, 2015</b>	<b>68</b>
ESN Business Meeting	68
Parallel Session: Metabolism and nutrition track III	68
Pulmonary Symposium: Respiratory support	69
Parallel Session: Infection track III	70
Parallel Session: Pharmacology track II	71
Parallel Session: Brain track V	71
Parallel Session: Blood pressure and autoregulation	72
IPRF Plenary Session	73
Poster Session: Epidemiology Poster Session2	73
Poster Session: Perinatal care	75
Poster Session: circulation 2	77
Poster Session: Nutrition and GASTROENTEROLOGY POSTER SESSION 2	79
Poster Session: Brain 4	81
Parallel Session: Epidemiology track III	85
Parallel Session: NICU design	86

<i>Chairpersons: D. Haumont</i> Brussels, Belgium; B. Hallberg Stockholm, Sweden	86
Parallel Session: Preterm-related diseases & inflammation	87
Parallel Session: Metabolism and nutrition track IV	88
Parallel Session: Brain track VI	89
Parallel Session: Communication with parents for neonatal professionals	90
<i>Chairpersons: S. Mader</i> Munich, Germany	90
Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - <i>Non-invasive detection of hemolysis</i>	91
<i>Chairperson: G. Buonocore</i> Siena, Italy	91
ESPR Business Meeting	91
<b>Sunday, September 20<sup>th</sup>, 2015</b>	<b>92</b>
Parallel Session: The prevention of Rh diseases: a Global Eradication Program	92
Parallel Session: Chronic lung disease and lung injury	92
Parallel Session: Pharmacology track III	93
Parallel Session: Brain track VII	94
Plenary Session: Closing Session	95
<b>SPONSORIZED SESSIONS</b>	<b>96</b>
<b>Tuesday, September 15<sup>th</sup>, 2015</b>	<b>96</b>
Pre Congress Course: ESN Course 1: Lung	96
<b>Tuesday, September 15<sup>th</sup>, 2015</b>	<b>98</b>
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals	98
<b>Thursday, September 17<sup>th</sup>, 2015</b>	<b>100</b>
Plenary Session: Bengt Robertson Honorary	100
Satellite Symposium: TO THE NICU AND BEYOND	100
<b>Friday, September 18<sup>th</sup>, 2015</b>	<b>101</b>
Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?	101

<b>Saturday, September 19<sup>th</sup>, 2015</b>	<b>101</b>
Pulmonary Symposium: Respiratory support	101
<b>Saturday, September 19<sup>th</sup>, 2015</b>	<b>102</b>
Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - <i>Non-invasive detection of hemolysis</i>	102
<i>Chairperson: G. Buonocore Siena, Italy</i>	102

## Tuesday, September 15<sup>th</sup>, 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 ...)*



09:00-17:00

HALL 2

**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*

14:00–14:30 **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*

09:00-17:00

HALL 3

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

9.00 – 9.30 **WELCOME – INTRODUCTION AND OBJECTIVES**

*Dr Tibor Ertl, Chair, Nicole Thiele Vice Chair of the Executive Board, EFCNI and Carole Kenner, Chief Executive Officer of COINN*

9:30 – 10:30 **THE PREEMIE PARENT JOURNEY AND THE PARENT BURDEN STUDY. INSIGHTS FROM GLOBAL PARENT RESEARCH AND KEY FINDINGS FROM RELEVANT HEALTH ECONOMICS AND OUTCOMES RESEARCH**

*Donna Gray, Director of Global Patient Adherence, AbbVie and Barry Rodgers-Gray, Strategen*

10:30 – 11:15 **A PREEMIE PARENT'S STORY – INSIGHT IN TO THE EXPERIENCE OF BEING A PREEMIE PARENT AND WHAT HCPs CAN DO TO HELP MAKE THE JOURNEY EASIER FOR PARENTS**

*Karl Rombo*

11:15 – 12:00 **DISCUSSION AND Q&A**

*Chaired by Dr Tibor Ertl*

12:00 – 13:00 *Lunch break*

13:00 – 15:45 **BREAKOUT SESSIONS**

Three separate tracks to include a 15 minute coffee break:

**HCP TRACK 1 (DOCTORS)**

**PART 1: UNDERSTANDING RISK COMMUNICATIONS (45 MINS)**

*Led by John Paling, Risk Communication Institute*

**PART 2: COMMUNICATIONS TRAINING (1.5 HOURS)**

- **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**

*Led by Marsheila Devan, Point Taken*

## HCP TRACK 2 (NURSES)

### PART 1: LED BY COINN (45 MINS)

*Led by Carole Kenner, Chief Executive Officer of COINN*

### PART 2: COMMUNICATIONS TRAINING (1.5 HOURS)

- 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

*Led by Beth Rogers, Point Taken*

### PARENT TRACK: COMMUNICATIONS WORKSHOP:

- IDENTIFYING AND DISCUSSING CHALLENGES TO EFFECTIVE COLLABORATION BETWEEN PARENTS AND HCPS
- SUPPORTING PARENT GROUPS TO STEER EFFECTIVE DIALOGUE
- PRACTICAL EXERCISES TO SUPPORT EFFECTIVE COMMUNICATION AND COLLABORATION BETWEEN PARENTS AND HCPS

*Led by Nicole Thiele and Dr. Iris Nikola Knierim, EFCNI*

15:45 – 16:45 **KEY INSIGHTS FROM BREAK-OUTS AND PLAN FOR ACTION**

OVERVIEW FROM THE WORKSHOPS AND INSIGHTS, PULLING TOGETHER KEY LEARNINGS AND ACTION POINTS FROM THE DAY

*Led by Dr Tibor Ertl, Chair, Nicole Thiele and Carole Kenner*

16:45 – 17:00 **CONCLUSION AND THANK YOU**

*Led by Dr Tibor Ertl, Carole Kenner and Nicole Thiele*

*“industry-sponsored course” (please see part 2 page ...)*

**Wednesday, September 16<sup>th</sup>, 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 **Thrombocytopenia: clinical aspects**

*A. Del Vecchio Bari, Italy*

14:45 – 15:30 **Polycythemia and hyperviscosity**

*R.D. Christensen*

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09:00-17:00

HALL 1

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**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 – 14:30 **Communication with referring and receiving unit**

**The importance of safety in transport**

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

**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**

16:50 – 17:00 **Summary, evaluation and next steps**

*M. Breindahl* Copenhagen, Denmark - *M.T. Lluch* Australia - *S. Broster* UK

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08:20-17:00

HALL 2

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**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 and Neonatal Asphyxia**  
*L. Ramenghi* Genoa, Italy

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 - 11:00     *Coffee Break***

11:00 – 11:30     **Neonatal Infections.**  
*L. de Vries* Utrecht, The Netherlands

11:30 – 12:00     **Observing an MRI scan: When to suspect a genetic or a metabolic disease in a neonate**  
*D. Tortora* Genoa, Italy

12:00 – 12:15     **Summary of the morning**

**12:15 – 13:00     *Lunch***



## THE PRETERM BRAIN

13:00 – 13:30 **GMH-IVH and White matter disease**

*M. Benders* Utrecht, Netherlands

13:30 - 14:00 **Acquired haemorrhagic lesions of the cerebellum**

*L. Ramenghi* Genoa, Italy

14:00 – 14:30 **MRI and US at term equivalent age; prognostic value**

*L. de Vries* Utrecht, The Netherlands

*14:30 - 15:00* **Coffee break**

15:00-15:30 **INTERESTING CASES FROM THE AUDIENCE AND THE SPEAKERS**

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**

09:00-17:00

HALL 3

**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* Umea, Sweden
- 14:30-15:00     **Prevention of NEC**  
*J. Neu* Gainesville, USA
- 15:00-15:30      Coffee break**
- 15:30-16:00     **LC-PUFA requirements for preterm neonates**

***M. Makrides*** Adelaide, Australia

16:00-16:30 **Feeding the preterm after discharge**

***A. Lapillonne*** Paris, France

16:30 **Conclusions**

09:00-17:00

HALL 4

**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**

09:00-17:00

HALL 5

**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

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09:00-17:00

HALL 6

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**Pre Congress Course: Cohort Studies**

9:00 - 9:15 **WELCOME AND INTRODUCTION**

*T.B. Henriksen Aarhus, Denmark*

9:15 - 10:15 **THE ANATOMY OF COHORT STUDIES, BASIC CONCEPTS INCL CAUSAL INFERENCE AND MEASURES OF ASSOCIATION**

*T.B. Henriksen Aarhus, Denmark; C.C. Bach Aarhus, Denmark & Faculty*

10:15 - 10:45 **EXERCISE WITH ABSTRACTS: AIM, STUDY DESIGN AND MEASURES OF ASSOCIATION**

*T.B. Henriksen Aarhus, Denmark; C.C. Bach Aarhus, Denmark; 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**

*C.C. Bach Aarhus, Denmark*

12:00 - 12:15 **EXERCISE: DRAWING DAGs**

*C.C. Bach Aarhus, Denmark & Faculty*

12:15 - 13:00 **SELECTION- AND INFORMATION BIAS +/- DAGs STRATEGY**

*L. Gagliardi Viareggio, Italy*

13:00 - 13:45 Lunch

13:45 - 14:15 **MISSING VALUES AND MULTIPLE IMPUTATION**

*D. Virella Lisboa, Portugal*

14:15 - 15:00 **HANDS ON: METHODS TO MINIMIZE BIAS AND CONFOUNDING; INCL DESIGN AND ANALYSES**

*L. Gagliardi Viareggio, Italy & Faculty*

15:00 - 15:30 Coffee break

15:30 - 16:15 **WHAT IS THE PLACE FOR COHORT STUDIES IN THERAPEUTIC EVALUATION?**

*D. Virella Lisboa, Portugal*

16:15 – 17:00 **QUESTIONS AND FOLLOW-UP ON DISCUSSION**

**FACULTY**

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09:00–17:00

HALL 7

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**Pre Congress Course: Near-infrared Spectroscopy**

09:00-09:10 **Welcome & Introduction**

*E. Verhagen Rotterdam, The Netherlands*

09:10-09:50 Principles of NIRS: methodology & instrumentation

*M. Wolf Zurich, Switzerland*

09:50-10:30 Cerebral NIRS 1: transition at birth

*G. Pichler Graz, Austria*

10:30-11:00 Coffee

11:00-11:40 Cerebral NIRS 2: autoregulation

*F. Wong, Monash, Australia*

11:40-12:20 Cerebral NIRS 3: longterm outcome

*E. Verhagen Rotterdam, The Netherlands*

12:20-12:50 Multi-site NIRS: renal/abnominal

*E. Kooi Groningen, The Netherlands*

12:50-13:10 Practical demonstration of NIRS

13:10-14:00 Lunch

14:00-14:40 Multimodal and multichannel NIRS

*R. Cooper UK*

14:40-15:20 NIRS as a clinical tool: the SafeBoosC study

*S. Hyttel-Sorensen Denmark*

15:20-16:00 NIRS as a clinical tool: Pro-Con debate



W. de Boode *Nymegen, The Netherlands*, G. Greisen **Copenhagen, Denmark**

16:00-16:30 Coffee

16:30-17:00 Future directions: panel discussion

**Wednesday, September 16<sup>th</sup>, 2015**

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17:30–19:00

PLENARY HALL

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**Plenary Session: Welcome**

*Chairpersons: L. Zimmermann Maastricht, The Netherlands; M. Sánchez-Luna Madrid, Spain*

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)*

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19:00-22:00

EXHIBITION & POSTER AREA

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19:00-22:00      Welcome Reception

**Thursday, September 17<sup>th</sup>, 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*

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09:00-11:00

HALL 1

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**Parallel Session: Ethics track I**

**Chairpersons:** *G. Greisen* Copenhagen, Denmark; *U. Simeoni* Lousanne, Switzerland

09:00-09:40      **Ethical questions/clinical research**

*J. Lantos* Kansas City, USA

09:40-10:05      **Bioethics at the bedside in the NICU**

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

10:05-10:20      **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

10:30-10:45      **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

09:00-11:00

HALL 2

**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*

09:00-11:00

HALL 3

**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. Vulont* 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. Hays; 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, Netherlands; *O. Baud* Paris, France

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 (ID695)**

*R. de Goederen; R. de Jonge; P. Govaert; M. Feijen-Roon; I. Reiss; J. Dudink*  
Rotterdam, The Netherlands

10:15-10:30 **BRAIN INJURY IN THE INTERNATIONAL MULTICENTRE RANDOMISED SAFEBOOSC PHASE II FEASIBILITY TRIAL: CRANIAL ULTRASOUND AND MAGNETIC RESONANCE IMAGING ASSESSMENTS (ID 379)**

*A.M. Plomgaard; C. Hagmann; T. Alderliesten; T. Austin; F. van Bel; O. Claris; E. Dempsey; A. Franz; M. Fumagalli; C. Gluud; G. Greisen; S. Hyttel-Soerensen; P. Lemmers; A. Pellicer; G. Pichler; M. Benders* Copenhagen, Denmark

10:30-10:45 **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

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09:00-11:00

HALL 5

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**Parallel Session: Care in neonates**

*Chairpersons: K. New; N. Thiele*

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*

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11:30-12:30

PLENARY HALL

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**Plenary Session: Stem cells**

*Chairpersons: D. Edwards London, UK;; I. Bendix Essen, Germany*

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**  
*O. Baud Paris, France*

12:25-12:30      **Discussion**



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13:30-15:00

PLENARY HALL

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**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*

13:35:13:40 **THE ASSOCIATION BETWEEN PATERNAL EDUCATIONAL LEVEL AND DEVELOPMENTAL DELAY IN PRETERM AND TERM-BORN CHILDREN AT AGE 4 (ID409)**

*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 (crSO<sub>2</sub>)? (ID 747)**  
***N. Baik; B. Urlesberger; B. Schwabegger; 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 **N-Acetylcysteine amide (NACA) reduces cell death after exposure to oxidative stress in a porcine epithelial-like embryonic EFN-R kidney cell line (ID754)**  
***T. Benterud; Manueldas; Pankratov; Solberg; Nordgren; O.D. Saugstad; Baumbusch** Oslo, Norway*
- 14:15 – 14:20 **MELATONIN INDUCED IMMUNE CELL RESPONSES IN INFANTS WITH NEONATAL ENCEPHALOPATHY PRE AND POST THERAPEUTIC HYPOTHERMIA TREATMENT (ID802)**  
***S. Aslam; V. McEaney ; RWG. Watson; A. O'Neill; EJ. Molloy** Dublin, Ireland*
- 14:20 – 14:25 **REFERENCE RANGES FOR CEREBRAL TISSUE OXYGEN INDEX CTOI IN NEONATES DURING IMMEDIATE NEONATAL TRANSITION AFTER BIRTH (ID751)**  
***N. Baik; B. Urlesberger; B. Schwabegger; G. Schmölzer; A. Avian; L. Miledler; G. Pichler** Graz, Austria*
- 14:25 – 14:30 **PSYCHOTROPIC DRUG USE DURING PREGNANCY: IS PROFESSIONAL OBSERVATION OF MOTHER AND INFANT NEEDED POST PARTUM? (ID073)**  
F. de Jong; F. Scheele; K. Dolman; A. Honig Amsterdam, the Netherlands
- 14:30 – 14:35 **NEUROPROTECTION BY NEURONAL OVEREXPRESSION OF THE SMALL GTPASE-RAS IN HYPEROXIA-INDUCED NEONATAL BRAIN INJURY (ID531)**

M. Serdar; K. Kempe; J. Herz; R. Herrmann; B.S. Reinboth; R. Heumann; A. Ehrkamp; U. Felderhoff-Mueser; I. Bendix Essen, Germany

14:35 – 14:40 BRAIN INTERSTITIAL PH CHANGES DURING THE SUBACUTE PHASE IN A NEWBORN PIGLET PERINATAL ASPHYXIA MODEL (ID721)

J. Németh, G. Remzsó, V. Tóth-Szúki, F. Domoki Szeged, Hungary

14:40 – 14:45 NEUROPROTECTIVE EFFECT OF REMIFENTANIL ON EXCITOTOXIC-INDUCED BRAIN DAMAGED IN NEONATAL MICE (ID488)

C.Chollat; F. Tourrel; M. Lecointre; Y. Ramdani; S. Marret; B. Gonzalez; S. Jégou Rouen, France

14:45 – 14:50 THE SafeBoosC II TRIAL: REDUCING CEREBRAL HYPOXIA WITHOUT CHANGING EARLY BIOMARKERS OF BRAIN INJURY (ID378)

A.M. Plomgaard; W. van Oeveren; T.H. Petersen; T. Alderliesten; T. Austin; F. van Bel; M. Benders; O. Claris; E. Dempsey; A. Franz; M. Fumagalli; C. Glud; C. Hagmann; S. Hyttel-Soerensen; P. Lemmers; A. Pellicer; G. Pichler Copenhagen, Denmark

14:50 – 14:55 Adenosine levels in the first 30 days of life and risk of complications in VLBW (ID892)

M. Colella; M. Doglio; M. Cassanello; G. Candiano; R. Cerone; L.A. Ramenghi Genoa, Italy

14:55 – 15:00 EEG DISCONTINUITY PREDICTS CEREBRAL TISSUE INJURY AND ADVERSE NEURODEVELOPMENT IN COOLED NEWBORNS (ID283)

J. Dunne; D. Wertheim; P. Clarke; O. Kapellou; P. Chisholm; J. Boardman; D. Shah London, UK

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13:30-15:00

HALL 1

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**Poster Session: Circulation**

***Chair persons: G. Pichler Graz, Austria , Afif El-Khuffash***

13:30 – 13:35 EEG SLEEP SLOW WAVE ACTIVITY AS A POTENTIAL MARKER OF LOAD-DEPENDENT DEFICITS IN EXECUTIVE FUNCTIONS IN VERY PRETERM CHILDREN AND ADOLESCENTS (ID729)

F. Wehrle; B. Latal; R. O'Gorman; C. Hagmann; R. Huber Zurich, Switzerland

13:35 – 13:40 TRANSITIONAL CHANGES IN CEREBRAL BLOOD VOLUME OF TERM AND PRETERM INFANTS WITH AND WITHOUT RESPIRATORY SUPPORT AFTER BIRTH (ID811)

B. Schwabegger; G. Pichler; A. Avian; C. Binder-Heschl; N. Baik; B. Urlsberger Graz, Austria

13:40 – 13:45 BORDERLINE-HYPOTENSION, HOW DOES IT INFLUENCE THE CEREBRAL TISSUE OXYGENATION? (ID179)

C. Binder-Heschl; B. Urlsberger; B. Schwabegger; N. Baik; G. Pichler Graz, Austria

13:45 – 13:50 PILOT STUDY OF DOBUTAMINE (DB) VERSUS PLACEBO (PL) FOR EARLY LOW SUPERIOR VENA CAVA (SVC) FLOW: LONG-TERM OUTCOME (ID561)

MC. Bravo; P. López-Ortego; L. Sánchez; R. Madero; F. Cabañas; A. Pellicer Madrid. Spain

13:50 – 13:55 VALIDITY OF BIOMARKERS ON CARDIOVASCULAR SUPPORT (CVS): AN ANALYSIS IN RETROSPECT (ID684)

A. Pellicer; M.C. Bravo; P. López-Ortego; L. Sanchez; R. Madero; F. Cabañas and the Neocirculation Study Group Madrid. Spain

13:55 – 14:00 HAEMODYNAMICS IN PRETERM INFANTS WITH PATENT DUCTUS ARTERIOSUS (HAPI-PDA STUDY): A PILOT STUDY (ID112)

C. Kotidis; N. Subhedar; M. Weindling; M. Turner Liverpool, UK

14:00 – 14:05 A study to validate the duration of assessment of baseline NIRS values in preterm babies with echocardiographically-confirmed PDA (ID535)

C. Kotidis; M. Turner Liverpool, UK

14:05 – 14:10 A PROSPECTIVE STUDY INTO THE GENERATION OF INDIVIDUALISED OPTIMAL MEAN ARTERIAL BLOOD PRESSURE (MABP) MEASUREMENTS USING NEAR-INFRARED SPECTROSCOPY (NIRS) IN THE PRETERM NEONATE. (ID608)

G. Stevenson; C. Costa; M. Czosnyka; P. Smielewski; T. Austin Cambridge, UK

14:10 – 14:15 ASSESSMENT OF PULMONARY HEMODYNAMIC FUNCTION IN PRETERM INFANTS: MATURATIONAL PATTERNS OF PULMONARY ARTERY ACCELERATION TIME (ID099)

A. El-Khuffash, M.D. Patel; A.T. James; P.J. McNamara; A. Jain; O. Franklin; A. Mathur; C. Lee; A. Hamvas; G.K. Singh; L. Mertens; P.T. Levy Dublin, Ireland

14:15 – 14:20 AFTERLOAD REDUCTION IN CATECHOLAMINE-RESISTANT SHOCK IN EXTREME PREMATURE: NOVEL THERAPY WITH OLD DRUG FOR AN UNRECOGNIZED FACTOR IN SHOCK (ID326)

D. Hariharan; G. Veluswami; L. Balasubramanian; V. Kannappan; R. Sahadevan Chennai, India

14:20 – 14:25 HEART FUNCTION ASSESSMENT IN ASPHYXIA; SPECKLE TRACKING ECHOCARDIOGRAPHY PERFORMS BETTER THAN TISSUE DOPPLER ECHOCARDIOGRAPHY AND FRACTIONAL SHORTENING (ID279)

E. Nestaas; A. Støylen; D. Fugelseth Oslo, Norway

14:25 – 14:30 GLOBAL RIGHT VENTRICULAR FRACTIONAL AREA CHANGE IS A SURROGATE MARKER FOR SYSTEMIC BLOOD FLOW IN PRETERM INFANTS (ID058)

J.D. Corcoran; O. Franklin; A. EL-Khuffash Dublin, Ireland

14:30 – 14:35 NON-INVASIVE ASSESSMENT OF DIASTOLIC MYOCARDIAL PROPERTIES IN ELBW NEONATES (ID852)

T. Kovacs; G. Mogyorosy; A. Kertesz; A. Borbely; Z. Papp; Gy. Balla Debrecen, Hungary

14:35 – 14:40 CURRENT PRACTICES ON HEMODYNAMIC MONITORING IN NEONATAL INTENSIVE CARE: AN INTERNATIONAL SURVEY (ID388)

S. Vrancken; L. Frijns; K. Liem; J. Hopman; J. Lemson; A. van Heijst; W. de Boode Nijmegen, The Netherlands

14:40 – 14:45 NOVEL NON-INVASIVE MEASUREMENTS IN THE ASSESSMENT OF NORMAL CARDIOVASCULAR ADAPTATION IN TERM & NEAR TERM INFANTS (ID515)

L. Mahoney; D. Wertheim; J.R. Fernandez Alvarez; N.Aiton; H. Rojas-Anaya; P. Seddon; H. Rabe Brighton, UK

14:45 – 14:50 Stroke volume and cardiac output measured by Electrical Cardiometry in premies: accuracy and reference nomograms (ID169)

A. Boet; G. Jourdain; J.L. Chabernaude; S. Demontoux; D. De Luca Paris, France

14:50 – 14:55 UK surveillance of surgical ligation of the patent ductus arteriosus (PDA) in premature babies prior to first discharge home (ID611)

A. Lakshmanan; L. Lee; T. Crosby; W. Kelsall Leicester, UK

14:55 – 15:00 LONGITUDINAL CARDIAC CHANGES IN PRETERM INFANTS WITH PROLONGED EXPOSURE TO A PATENT DUCTUS ARTERIOSUS (ID181)

K. de Waal; N. Phad Newcastle NSW, Australia

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13:30-15:00

HALL 2

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Poster Session: **Pulmonary poster1: Ventilation and breathing**

**Chairpersons: R. Hentschel Freiburg, Germany; D. de Luca, Paris, France**

13:30 – 13:35 THE EFFECT OF CHANGING OXYGEN SATURATION TARGET RANGE ON COMPLIANCE IN OXYGEN SATURATION TARGETING IN THE NEONATAL INTENSIVE CARE UNIT (ID663)

H.A. van Zanten; S. Pauws; E.C.H. Beks; B.J. Stenson; E. Lopriore; A.B. te Pas Leiden, the Netherlands

13:35 – 13:40 Binasal prong versus nasal mask for applying CPAP to preterm infants: Randomized Controlled Trial (ID448)

B. Say; G. Kanmaz; S.S. Oguz Ankara, Turkey

13:40 – 13:45 TRAINING AND RAISING AWARENESS IMPROVES COMPLIANCE IN OXYGEN SATURATION TARGETING IN THE NEONATAL INTENSIVE CARE UNIT (ID660)

H.A. van Zanten; S. Pauws; E.C.H. Beks; B.J. Stenson; E. Lopriore; A.B. te Pas Leiden, the Netherlands

13:45 – 13:50 CORRELATION AND INTERCHANGEABILITY OF VENOUS AND CAPILLARY BLOOD GASES FOR MONITORING GAS EXCHANGE IN THE NEONATAL INTENSIVE CARE UNIT (ID669)

R. Tan; S. Pauws; M. van Biemen; E. Lopriore; A.B. te Pas Leiden, the Netherlands

13:50 – 13:55 Progesterone Decreases Ventilation and Enhances Apnea in Developing Rats Chronically Treated with Caffeine. (ID244)

N. Uppari; V. Joseph; A. Bairam Quebec, Canada

13:55 – 14:00 Alteration of Tonic GABAergic Inhibition on Control of Breathing in 12 days old Rats Chronically Treated with Caffeine. (ID245)

N. Uppari; V. Joseph; A. Bairam Quebec, Canada

14:00 – 14:05 Diaphragmatic function before and after application of external inspiratory loading in preterm and term infants (ID776)

G. Dimitriou; S. Fouzas; A. Vervenioti; P. Pelekouda Patras, Greece

14:05 – 14:10 A randomized trial of low flow oxygen versus nasalCPAP in preterm infants (ID027)

C. Heiring; J. Steensberg; M. Bjerager; G. Greisen Copenhagen, Denmark

14:10 – 14:15 WEANING OF NASAL CPAP IN SCANDINAVIA (ID137)

H. Bergseng; M. Elden; I.S. Hjort; R.Stoen Trondheim, Norway

14:15 – 14:20 Nasal Intermittent Positive Pressure Ventilation versus Bi-level Nasal Continuous Positive Airway Pressure Following Extubation in Infants < 1250 g birthweight: Preliminary Report (ID699)

N. Okur; M. Buyuktiryaki; F. N. Sari; E. Dizdar; N. Uras; F. Canpolat, S.S. Oguz Ankara, Turkey

14:20 – 14:25 A PROSPECTIVE RANDOMIZED, CONTROLLED TRIAL COMPARING HUMIDIFIED HIGH FLOW NASAL CANNULA VERSUS NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE AS RESPIRATORY SUPPORTS AFTER EXTUBATION IN PRETERM INFANTS (ID621)

E.H. Lee; J. Shin; Y.S. Kim; B.M. Choi Seoul, Republic of Korea

14:25 – 14:30 LEAKAGE DURING NONINVASIVE HIGH FREQUENCY OSCILLATORY VENTILATION IMPROVES CARBON DIOXIDE CLEARANCE IN A NEONATAL LUNG MODEL (ID364)

D. Klotz; D. Stavropoulou; C. Schäfer; R. Hentschel; S. Schumann; H. Fuchs Freiburg, Germany

14:30 – 14:35 IMPACT OF NASAL PRONG RESISTANCE ON PRESSURE DELIVERY DURING NON-INVASIVE VENTILATION WITH FIXED AND VARIABLE FLOW USING A PNEUMATIC LUNG MODEL (ID648)

A. Maturana; F. Caviglioli; A. Aliverti; C. Mendez; G. Lista Santiago, Chile

14:35 – 14:40 Comparison extubation failure in NIV-NAVA and nCPAP for preterm infants (ID650)

ByoungKook Lee; Hye-Rim Kim; Young Hwa Jung; Seung Han Shin; Chang Won Choi; Ee-Kyung Kim; Han-Suk Kim; Beyong Il Kim; Jung-Hwan Choi Seongnam, Republic of Korea

14:40 – 14:45 HIGH FLOW SUPPORT IN VERY PRETERM INFANTS WITHIN THE AUSTRALIAN & NEW ZEALAND NEONATAL NETWORK (ANZNN) 2009 – 2012 (ID465)

C. Roberts; L. Owen; B. Manley; P. Davis; for the ANZNN Melbourne, Australia

14:45 – 14:50 TRENDS IN NEONATAL RESPIRATORY SUPPORT IN THE AUSTRALIAN & NEW ZEALAND NEONATAL NETWORK (ANZNN) 2009 – 2012 (ID463)

C. Roberts; B. Manley; L. Owen; P. Davis; for the ANZNN Melbourne, Australia

14:50 – 14:55 Accuracy of Transcutaneous Measurement of CO<sub>2</sub> in Neonates (ID191)

G. Magyarová; M. Kováčsová; E. Radvanská; H. Koňošová Zámky, Slovakia

14:55 – 15:00 EXTUBATING EXTREMELY PRETERM INFANTS: PREDICTORS OF SUCCESS AND OUTCOMES OF FAILURE (ID036)

L.S. Owen; L.W. Doyle; P.G. Davis Parkville, Australia

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13:30-15:00

HALL 3

**Poster Session: Nutrition & Gastroenterology Poster session 1**

**Chairpersons:** S. Arslanoglu *İzmir, Turkey*; N. Embleton Newcastle, UK

13:30 – 13:35 EARLY FORMULA MAY HELP SUPPORT LONG-TERM BREASTFEEDING (ID706)

Z. Stranak; J. Kolarova; M. Cerna Prague, Czech Republic

13:35 – 13:40 Recruiting Ahead of Schedule to a Large Feeding Trial; Lessons Learnt From SIFT; The Speed of Increasing milk Feeds Trial. (ID800)

J. Dorling; J. Abbott; J. Berrington; E. Boyle; Z. Chivers; N. Embleton; E. Juszczak; A. Leaf; L. Linsell; S. Johnson; K. McCormick; W. McGuire; T. Roberts; B. Stenson SIFT Investigators Group

13:45 – 13:50 PRETERM SINGLE DONOR MILK FROM MOTHERS OF PRETERM INFANTS TO START ENTERAL FEEDINGS IN VERY LOW BIRTH WEIGHT INFANTS (ID024)

E. Sauerzapf; A. Repa; C. Binder; M. Thanhaeuser; B. Jilma; A. Berger; N. Haiden Vienna, Austria

13:50 – 13:55 PROTEIN ACCRETION AND RESTING ENERGY EXPENDITURE IN VERY LOW BIRTH WEIGHT PRETERM INFANTS ACCORDING TO FEEDING REGIMEN (ID509)

M.L. Gianni; L. Morlacchi; P. Roggero; E. Battiato; B. Bracco; A. Polimeni; F. Mosca Milan, Italy

13:55 – 14:00 THICKENED PARTIALLY HYDROLYZED MILK FORMULA ADDED WITH L REUTERI DECREASE THE NUMBER OF REGURGITATION IN INFANTS AMELIORATE THE GASTRIC MOTILITY (ID503)

F. Indrio; A. Di Mauro; L. Trovè; G. Brindisi Bari Italy

14:00 – 14:05 MATERNAL NUTRITION AND GLYCAEMIC INDEX DURING PREGNANCY IMPACTS ON OFFSPRING ADIPOSITY AT 6 MONTHS OF AGE – ANALYSIS FROM THE ROLO RANDOMISED CONTROLLED TRIAL (ID266)

M.K. Horan; C.A. McGowan; E.R. Gibney; J. Byrne; J.M. Donnelly; F.M. McAuliffe Dublin, Ireland

14:05 – 14:10 PREGNANCY COMPLICATIONS AND EARLY POSTNATAL GROWTH VELOCITY IN VERY PRETERM INFANTS (ID513)

L. Gagliardi; R. Bellù; E. Bertino; C. Corchia; E.M. Edwards; J.D. Horbar; R.F. Soll ; E. Spada; R. Zanini Lecco, Italy.

14:10 – 14:15 RESPIROMETRY OF VIABLE PLATELETS SUGGESTS MITOCHONDRIAL DISORDER IN FOUR NEWBORNS WITH SEVERE METABOLIC ACIDOSIS (ID757)

N. Tomasic; H. Kotarsky; M. Hansson; E. Eklund; E. Elmer; V. Fellman Lund, Sweden

14:15 – 14:20 COMPARISON BETWEEN RENAL PHOSPHATE HANDLING OF PREMATURE INFANTS OF 23-26 AND 27-32 WEEKS GESTATIONAL. (ID005)

Z.P. Halaba; J. Stępień; P. Adamczyk; H. Sławska; G Ziomek Silesia, Poland

14:20 – 14:25 IMPLEMENTING AND SUSTAINING IMPROVED NUTRITIONAL CARE OF PRETERM INFANTS IN NEONATAL INTENSIVE CARE USING A PRACTICE BASED COMPLEX INTERVENTION (ID487)

M. Johnson; F. Pearson; J. Pond; A. Emm; A. Leaf Southampton, UK

14:25 – 14:30 THE ASSOCIATION BETWEEN MATERNAL NUTRITION AND LIFESTYLE DURING PREGNANCY AND OFFSPRING ADIPOSITY AT 2 YEARS OF AGE – ANALYSIS FROM THE ROLO STUDY (ID270)

M.K. Horan; J.M. Donnelly; C.A. McGowan; E.R. Gibney; F.M. McAuliffe Dublin, Ireland

14:30 – 14:35 ADIPONECTIN CONCENTRATIONS ARE TIGHTLY ASSOCIATED WITH POSTNATAL GLUCOSE CONTROL IN VERY PRETEM INFANTS (ID286)

I. Hansen-Pupp; C Löfqvist; A-L Hård; G Hellgren; L Smith; A. Hellström Lund, Sweden

14:35 – 14:40 IS MILKOSCAN® A RAPID INFRARED ANALYZER, AFTER A SPECIFIC CALIBRATION, ACCURATE AND PRECISE ENOUGH FOR HUMAN MILK FORTIFICATION? (ID551)

V. de Halleux; R. Buffin; F. Sudsinsky; J.C. Picaud; J. Rigo Liège Belgium

14:40 – 14:45 CORD BLOOD LEPTIN AND IGF-1 ARE SUITABLE BIOCHEMICAL MARKERS TO DISTINGUISH BETWEEN NEWBORNS WITH SIMPLE FETAL MACROSOMIA AND INFANTS OF A DIABETIC MOTHER (ID524)

R. Hentschel; J. Trost; M. Thill; A. Krause; M. Kunze; O. Schwab Freiburg, Germany

14:45 – 14:50 EARLY FRESH HUMAN MILK REDUCES THE RISK OF SEPSIS IN VERY LOW BIRTH WEIGHT INFANTS (ID891)

R. Nieto; A. Dinerstein; C. Solana; D. Ventura; M. Larguía; F. General Buenos Aires, Argentina

14:50 – 14:55 FRENOTOMY FOR TONGUE-TIE IN NEWBORN INFANTS: A SYSTEMATIC REVIEW (ID485)

J.E. O'Shea; J.P. Foster; S.E. Jacobs; C.P.F. O'Donnell; D.A. Todd; P.G. Davis Melbourne, Australia



14:55 – 15:00 COMPARISON OF FAT MASS INDEX, PERCENTAGE OF FAT MASS AND BODY MASS INDEX AS INDICATORS IN MONITORING THE TREATMENT OF OBESITY IN PREPUBERTAL CHILDREN (ID309)  
L. Pereira-da-Silva; M. Pitta-Grós-Dias; E. Dionísio; D. Virella; M. Alves; G. Cordeiro-Ferreira Lisbon, Portugal

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13:30-15:00

HALL 4

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**Poster Session: Brain 2**

*Chairpersons: D. Edwards London, UK; ; D. Murray*

13:30 – 13:35 DEVELOPMENT OF STRUCTURED REPORTING FOR MRI IMAGES OF NEONATES WITH PERINATAL ASPHYXIA (ID828)  
M. Kolossváry; A. Lakatos; Z. Bagyura; L.R. Kozák; M. Szabó; P. Maurovich-Horvat; G. Rudas Budapest Hungary

13:35 – 13:40 APGAR SCORES PREDICT ENCEPHALOPATHY MORE THAN BIOCHEMICAL MARKERS (ID308)  
R. Jones; A. Heep; D. Odd Bristol, UK

13:40 – 13:45 EFFECTS OF VENTILATION ON THE CEREBRAL CORTEX FOLLOWING INTRAUTERINE INFLAMMATION IN PRETERM LAMBS (ID145)  
A. Atik; B. Skiöld; S. Barton; J. Pearson; Q. Wu; V. Zahra; A. Moxham; S. Hooper; M. Tolcos; R. Galinsky; G. Polglase Melbourne, Australia

13:45 – 13:50 REFERENCE VALUES FOR THE NEUROPEPTIDE SECRETONEURIN IN HEALTHY TERM NEWBORNS (ID061)  
A. Schmid; M. Höck; A. Posod; M. Urbanek; R. Fischer-Colbrie; V. Neubauer; U. Kiechl-Kohlendorfer; E. Griesmaier Innsbruck, Austria

13:50 – 13:55 Body Core Temperature: a novel biomarker for hypoxic-ischaemic encephalopathy (ID259)  
D. Jayasinghe; L. Wilcox Nottingham, U.K

13:55 – 14:00 EFFICACY, SAFETY AND COMORBID EVENTS DURING TRANSPORT OF ASPHYXIATED NEWBORNS TO A TERTIARY CENTRE FOR THERAPEUTIC HYPOTHERMIA (ID804)  
N. Carreras; M. Alsina; G. Arca; M. León; A. García-Alix Barcelona, Spain

14:00 – 14:05 BRAIN WHITE MATTER INJURY ASSOCIATED WITH NEONATAL SEIZURE AFTER ROTAVIRUS INFECTION (ID632)  
M.J. Kim; S.Y. Byun Busan, Korea

14:05 – 14:10 NOVEL PLASMA AND CEREBROSPINAL FLUID BIOMARKERS OF HYPOXIC-ISCHEMIC ENCEPHALOPATHY IDENTIFIED BY MASS SPECTROMETRY (ID474)  
K.J. Kyng; A. Edhager; C.S. Andreassen; T.B. Henriksen; N. Gregersen; J. Palmfeldt Aarhus, Denmark

14:10 – 14:15 RISK OF HYPOCAPNIA IN ASPHYXIATED NEWBORNS TREATED WITH EARLY THERAPEUTIC HYPOTHERMIA (ID832)

E. Szakmar; A. Jermendy; A. Nagy; A. Szell; A. Berenyi; B. Bundzsity; A. Cseko; G. Bokodi; D. Kelen; U. Meder; Zs. Somogyvari; M. Szabo Budapest, Hungary

14:15 – 14:20 Incidence and risk factors of intraventricular hemorrhage in infants inborn and outborn third level hospitals before 32 week of pregnancy (ID492)  
D. Szepecht; M. Szymankiewicz; J. Gadzinowski Poznan, Poland

14:20 – 14:25 IMPAIRMENT OF OLIGODENDROGLIAL DEVELOPMENT IN VITRO AT 21 % O<sub>2</sub> IS ATTENUATED BY STABILIZATION OF HYPOXIA-INDUCIBLE FACTOR 1A (ID206)  
C. Brill; R. Herrmann; C. Bühner; T. Schmitz Berlin, Germany

14:25 – 14:30 PREDICTING WHITE MATTER DAMAGE BY EVALUATION OF THE LINEAR GROWTH RATE OF CORPUS CALLOSUM IN VERY LOW BIRTH WEIGHT INFANTS (ID395)  
H. Huang; C. Chen; H. Chou; P. Tsao; W. Hsieh Taipei, Taiwan

14:30 – 14:35 REGIONAL AND DEVELOPMENTAL SCREENING OF BILIRUBIN TOXICITY: HIPPOCAMPUS IS THE MOST SENSIBLE REGION (ID130)  
M. Dal Ben; C. Tiribelli; S. Gazzin Trieste, Italy

14:35 – 14:40 EEG SLEEP SLOW WAVE ACTIVITY AS A POTENTIAL MARKER OF LOAD-DEPENDENT DEFICITS IN EXECUTIVE FUNCTIONS IN VERY PRETERM CHILDREN AND ADOLESCENTS (ID729)  
F. Wehrle; B. Latal; R. O'Gorman; C. Hagmann; R. Huber Zurich, Switzerland

14:40 – 14:45 HEAD GROWTH AND NEURODEVELOPMENTAL OUTCOME AT 1 YEAR FOLLOWING FETAL GROWTH RESTRICTION (ID445)  
M. Boyle; R. Pinnamaneni; J. Unterscheider; F. Malone; N. McCallion; A. Foran Dublin, Ireland

14:45 – 14:50 IS DELAYED NORMALISATION OF PLASMA LACTATE IN COOLED BABIES WITH HYPOXIC ISCHAEMIC ENCEPHALOPATHY ASSOCIATED WITH A POOR OUTCOME? (ID473)  
N. Ide Bergamaschi; P. Clarke Norwich, UK

14:50 – 14:55 Spatial learning and memory in preterm pigs (ID682)  
A.D. Andersen; L. Langhorn; P.T. Sangild; T. Thymann Copenhagen, Denmark

14:55-15:00 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

13:30-15:00

HALL 5

**Poster Session: Care, education and training in neonatology**

***Chairpersons: H. Rabe Brighton, UK; J.-M. Hascoet***

13:30 – 13:35 30 MEDICAL STAFF PERCEPTIONS OF THE COST OF CONSUMABLE ITEMS USED IN NEONATAL INTENSIVE CARE (ID709)

A.R. Geoghegan; S. Moore; C.P.F. O'Donnell Dublin, Ireland

13:35 – 13:40 ) Telemedicine in Neonatal Homecare (ID500)

K.G. Holm; A. Brodsgaard; G. Zachariassen; J. Clemensen Odense, Denmark.

13:40 – 13:45 Oxygen Saturation Levels in Preterm Infants in Delivery Room (ID640)

S. Uslu; U. Zubarioglu; S. Sozeri; A. Bulbul; M. Dursun; E. Turkoglu Istanbul, Turkey

13:45 – 13:50 FIRST DAYS IN NICU – ARE GRADUATES WELL PREPARED FOR WORK? (ID393)

P. Ostrogórska; K. Lorenc; A. Dziad; A. Suder; A. Kulig; I. Opach; A. Gniadek Krakow, Poland

13:50 – 13:55 A two second visual metronome improves cardiac compressions during newborn resuscitation simulation (ID588)

C. Henry; S. Coleman; E. Murphy; S. Tan; C. Tamakloe; P. Blanchfield; D. Sharkey Nottingham, UK.

13:55 – 14:00 A NEW SURVEY IN NEONATAL RESUSCITATION IN SPAIN (ID510)

M. Izquierdo; M. Iriondo; M.Thio Barcelona, Spain

14:00 – 14:05 The integration of effective perinatal and neonatal care in Kyrgyzstan. (ID221)

S. Abduvalieva; K. Uzakbaev; C. Rakhmanova; A. Askerov Bishkek, Kyrgyz Republic

14:05 – 14:10 UMBILICAL ARTERY INSERTION IN NEWBORN INFANTS: ACCURACY OF 11 AVAILABLE FORMULAE TO GUIDE CATHETER TIP PLACEMENT (ID794)

W.L. Lean; J.A. Dawson; C. Theda; P.G. Davis; M. Thio Melbourne, Australia

14:10 – 14:15 NEONATAL VIDEOLARYNGOSCOPY AS A TEACHING AID – THE TRAINEES' PERSPECTIVE. (ID498)

J.E. O'Shea; M. Thio; C.O.F. Kamlin; L. McGrory; C. Wong; M. Campbell; J. John; C. Roberts; C. Kuschel; P.G. Davis Melbourne, Australia

14:15 – 14:20 ACCURACY OF METHODS TO ESTIMATE THE INSERTION LENGTH OF UMBILICAL VENOUS CATHETERS IN NEWBORN INFANTS (ID803)

W.L. Lean; J.A. Dawson; C. Theda; P.G. Davis; M. Thio Melbourne, Australia

14:20 – 14:25 STRATEGIES FOR EFFECTIVE LEARNING AT THE INAUGURAL NEONATAL CRANIAL ULTRASOUND WORKSHOP (ID100)

M.V. Fortier; D.K.L. Chan; V.R. Baral Singapore

14:25 – 14:30 RELATIONSHIP BETWEEN ANXIETY LEVELS AND CLINICAL PRACTICE SKILLS AMONG STUDENTS OF PEDIATRIC NURSING LECTURE (ID470)

A.S. Kurt; F.T. Arslan; S. Özkan; R. Çelen; D.A. Çakır Karaman, Turkey

14:30 – 14:35 Accuracy of Smartphones for reviewing transmitted images of neonatal x-rays (ID772)

T. Vasko; M. Westberg; J.A.; L.S. Owen; M. Thio; R. Bhatia; S. Donath; P.G. Davis Melbourne, Australia

14:35 – 14:40 PERCEPTION OF NEONATAL SIMULATION AMONGST DIFFERENT PROFESSIONALS IN A LEVEL 3 NEONATAL UNIT: A 2-YEAR EXPERIENCE IN LUTON AND DUNSTABLE (ID025)

D. Wari-Pepple; H. Doyle; S. Shanmugalingam; C. Chetcuti-Ganado Luton, UK

14:40 – 14:45 SUCCESS IN NEONATAL SKILLS & SCENARIO TEACHING IN NORTHERN IRELAND (ID402)

C. Duncan; D. Leemon; D.L. Armstrong Northern Ireland

14:45 – 14:50 STANDARDIZED PROCEDURAL SKILLS TRAINING WITH A DOCUMENTED LEARNING OUTCOME (ID475)

K.J. Kyng; T. Skajaa; R. Kaa; S. Kernn-Jespersen; K. Bennedsgaard; B. Høst; S. Rubak; T.B. Henriksen Aarhus, Denmark

14:50 – 14:55 LUNG ULTRASOUND TRAINING REDUCES RADIATION EXPOSURE IN NICU-ADMITTED PRETERM NEONATES (ID103)

G. Escourrou; N. Yousef; A. Debray; C. Boussard; D. De Luca Paris, France

14:55 – 15:00 DECREASE OF ADMISSION HYPOTHERMIA AMONG NEWBORNS IN NICU (ID433)

A. Bystricka; J. Abu Asbeh; M. Qadir; K. Annadurai; J.M. Khan Abu Dhabi, United Arab Emirates

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15:00-17:00

PLENARY HALL

**Parallel Session: Antibiotic resistance & antibiotic stewardship**

*Chairpersons: E. Castagnola Genoa, Italy;*

15:00-15:30      **How to balance the interests of my patients against of the other patients in my unit/hospital/society**

*G. Greisen Copenhagen, Denmark*

15:30-16:00      **Use of clinical guidelines in antimicrobial stewardship**

*E. Castagnola Genoa, 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. Pušeljčić; V. Milas Osijek, Croatia*

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15:00-17:00

HALL 1

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**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*
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- 15:00-17:00      HALL 2
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- 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. Bik-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

15:00-17:00

HALL 3

**Parallel Session: Epidemiology track I**

**Chairpersons:** J.P. Petersen; C.C. Bach Aarhus, Denmark

15:00-15:20 **EPIPAGE 2**

P.Y Ance 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. Holsti; 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*

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15:00-17:00      HALL 4

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**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      **EXECUTIVE FUNCTIONING AND LEARNING SKILLS IN EARLY ADOLESCENT CHILDREN BORN AT LESS THAN 25 WEEKS OF GESTATION AFTER ACTIVE PERINATAL CARE IN 1990s (ID566)**  
*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. Ralser; V. Neubauer; U. Pupp-Peglow; U. Kiechl-Kohlendorfer; E. Griesmaier* Innsbruck, Austria



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15:00-17:00

HALL 5

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**Parallel Session: Dealing with death**

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

15:00-15:30      **Keynote lecture: Joint decision making in neonatal palliative care**

*J. Latour* Plymouth, UK

15:30-16:00      **Parents with a muslim background**

*A. Eldemerdash* USA

16:00-16:30      **Parents with a jewish background**

*R. Wajntraub* Jerusalem, Israel

16:30-17:00      **Parents with a christian background**

*J. Peters* Munich, Germany

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17:30-18:30

PLENARY HALL

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**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)*

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18:30-20:00

PLENARY HALL

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**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 18<sup>th</sup>, 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. Olischar; 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)**  
*S.Sahin; G.K.Kutman; O.Bozkurt; F.Y.Atay; F.E.Canpolat; N.Uras; S.S.Oğuz*  
*Ankara, Turkey*

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11:00-12:30      PLENARY HALL

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**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**  
*E. Castagnola* Genoa, 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

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11:00-12:30      HALL 1

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**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. Perez-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. Goelz; 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*

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11:00-12:30

HALL 2

**Parallel Session: Pharmacology and Antibiotics**

*Chairpersons: C. Bühner Berlin, Germany; V. Elie Paris, France*

11:00-11:20      **Use of antibiotics in european nicus**

*W. Göpel/Luebeck, Germany*

11:20-11:40      **Appropriate ab use**

*I. Lutsar Tartu, Estonia*

11:40-11:55      **Vancomycin therapeutic drug monitoring in neonates: are there intra-assay differences (ID098)**

*A. Smits; M. Oyaert; P. Vermeersch; V. Cossey; G. Naulaers; S. Pauwels; I. Spriet; K. Allegaert Leuven, Belgium*

11:55-12:10      **Gentamicin exposure and sensorineural hearing loss in preterm infants (ID157)**

*A. Fuchs; L. Zimmermann; M. Bickle Graz; J. Cherpillod; J-F. Tolsa; T. Buclin; E. Giannoni Lausanne, Switzerland*

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11:00-12:30

HALL 3

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**Parallel Session: Pharmacology track I**

*Chairpersons: D. Tibboel Rotterdam, The Netherlands; J. van de Anker Washington, USA*

11:00-11:30      **Clinical pharmacology in neonates**

*J. van de Anker Washington, USA*

11:30-12:00      **Drug-induced nephrotoxicity in the newborn**

*V. Fanos Cagliari, Italy*

12:00-12:15      **Early intravenous paracetamol closes ductus arteriosus in very premature infants: a randomized, controlled trial (ID111)**

*P. Härkin; A. Härmä; O. Aikio; M. Valkama; M. Leskinen; T. Saarela; M. Hallman Oulo, Finland*

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*

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11:00-12:30

HALL 4

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**Parallel session: Brain track III**

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

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

*B. Fleiss London, UK*

11:30-12:00      **New mechanisms of brain damage in prems: 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***

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11:00-12:30

HALL 5

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**Parallel Session: Patient-centred and developmentally supportive care**

***Chairpersons: B. Westrup Stockholm, Sweden; N. Thiele***

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***

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13:30-14:30

PLENARY HALL

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**Poster Session: Brain 3**

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

13:30 – 13:35 THE THERMAL SAFETY OF NEONATAL MAGNETIC RESONANCE BRAIN IMAGING AT 3.0 TESLA (ID276)

P. Cawley; K. Few; R. Greenwood; P. Malcolm; G. Johnson; P. Lally; S. Thayyil; P. Clarke Norwich, UK

13:35 – 13:40 STRUCTURED REPORTING IN HYPOXIC-ISCHEMIC ENCEPHALOPATHY - BENEFICIAL FOR THE RADIOLOGIST AND THE CLINICIAN (ID267)

A. Lakatos; M. Kolossvary; M. Szabo; M. Kiss; G. Gyebnar; Z. Bagyura; G. Rudas; L.R. Kozak Budapest, Hungary

13:40 – 13:45 Levomepromazine reduces excitotoxic injury in HT-22 cells

K. Wegleiter; E. Huber; M. Urbanek; U. Kiechl-Kohlendorfer; E. Griesmaier Innsbruck, Austria

13:45 – 13:50 HYPOXIC-ISCHAEMIC BRAIN INJURY: DELIVERY BEFORE INTRAPARTUM EVENTS (ID413)

D. Odd; A. Heep; K. Luyt; T. Draycott Bristol, UK

13:50 – 13:55 CEREBRAL DEEP GREY MATTER ALKALOSIS IN BABIES WITH NEONATAL ENCEPHALOPATHY IS ASSOCIATED WITH AN INCREASED SEIZURE BURDEN (ID601)

C. Uria-Avellanal; D. Price; M. Sokolska; S. Mitra; A. Bainbridge; X. Golay; N. Robertson London, UK

13:55 – 14:00 A RANDOMIZED CONTROLLED TRIAL OF COOLING COMBINED WITH INHALED XENON FOR PERINATAL ASPHYXIAL ENCEPHALOPATHY WITH CEREBRAL MAGNETIC RESONANCE ENDPOINTS – THE TOBY-XE TRIAL. (ID076)

D. Azzopardi; N. Robertson; A. Bainbridge; E. Cady; A. Deierl; G. Fagiolo; N. Franks; J. Griffiths; J. Hajnal; E. Juszcak; B. Kapetanakis; L. Linsell; M. Maze; O. Omar; B. Strohm; N. Tusor; A.D. Edwards London, UK

14:00 – 14:05 CEREBRAL ULTRASOUND FINDINGS DURING THERAPEUTIC HYPOTHERMIA FOR NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY: VALIDATION OF A NEW CLASSIFICATION SYSTEM (ID812)

A. Graca; J. Barreira; C. Santos; C. Moniz Lisbon, Portugal

14:05 – 14:10 A NEW TRANSLATIONAL MODEL OF PERINATAL ASPHYXIA REVEALS LASTING BEHAVIORAL DEFICITS (ID793)

A. Kerenyi; E. Sipos; P. Bakos; K. Demeter; P. Pottyondi; J. Haller; M. Szabo; K. Kaila; E. Mikics; A. Denes; A. Fekete Budapest, Hungary

14:10 – 14:15 Effect of early nutrition on preterm cerebral maturation and brain injury reflected by MR-imaging at term (ID716)

L. Beauport; J. Schneider; P. Hagmann; M. Faouzi; C.J. Fischer Fumeaux; A.C. Truttman Lausanne, Switzerland

14:15 – 14:20 THE PROGNOSTIC VALUE OF NIRS DURING THERAPEUTIC HYPOTHERMIA IN TERM ASPHYXIATED NEWBORNS (ID583)

P. Costa; A. Graça; I. Sampaio; C. Moniz Lisbon, Portugal

14:20 – 14:25 NEURITE OUTGROWTH IN RESPONSE TO CEREBROSPINAL FLUID DERIVED FROM NEC-SENSITIVE PRETERM PIGS (ID775)

J. Sun; S. Pankratova; D.E.W. Chatterton; P.T. Sangild Copenhagen, Denmark

14:25 – 14:30 MULTIORGAN DYSFUNCTION IN NEWBORNS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY IN HYPOTERMIA ERA (ID796)

M. Alsina; A Martin-Ancel; P.Alamillo, M. Leon; A Garcia-Alix Barcelona, Spain



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13:30-14:30

HALL 1

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Poster Session: **Pulmonary Poster Symposium 2: Lung disease in the delivery room and beyond**

Chairs: H. Fuchs, L. Cattarossi Trieste, Italy

**13:30-13:35** REFERENCE RANGES OF LAMELLAR BODY COUNTS ON GASTRIC ASPIRATE IN HEALTHY TERM NEWBORNS (ID434)

S. Arayici; G. Kadioglu Simsek; B. Say; N. Uras; M.Y. Oncel; E. Alyamac Dizdar; U. Buyukkagnici; S. Karahan; F.E. Canpolat; S.S. Oguz Ankara, Turkey

**13:35-13:40** OPTIMISING ETT LENGTH IN NEONATES: PRE-CUT STRATEGY OR UNCUT STRATEGY? (ID360)

K. Swamy; C. Smith; A. Wynn-Davies; N. Singh, Leicester, UK

**13:40-13:45** A RANDOMISED FEASIBILITY TRIAL AND IN-VITRO PERFORMANCE OF A NEW SYSTEM FOR RESPIRATORY SUPPORT DURING INITIAL STABILISATION OF PRETERM INFANTS (ID428)

S. Donaldsson; T. Drevhammar; L. Taittonen; S. Klemming; B. Jonsson Stockholm, Sweden

**13:45-13:50** USE OF A RESUSCITATION TRAINING APP SIGNIFICANTLY IMPROVES HEART RATE ASSESSMENT DURING NEWBORN SIMULATION (ID590)

S. Coleman; C. Henry; E. Murphy; P. Blanchfield; M. Ismat; P. Okhiria; C. Tamakloe; D. Sharkey Nottingham, UK

**13:50-13:55** PRE-DISCHARGE RESPIRATORY OUTCOMES IN SMALL-FOR-GESTATIONAL-AGE AND APPROPRIATE-FOR-GESTATIONAL-AGE VERY PRETERM INFANTS (ID397)

A. Matic; A. Ristivojevic Novi Sad, Serbia

**13:55-14:00** LOW CONCENTRATIONS OF CLUB CELL SECRETORY PROTEIN (CC16) IN GASTRIC FLUID AT BIRTH IS ASSOCIATED WITH LUNG INFLAMMATION AND MORE SEVERE LUNG DISEASE IN VERY PRETERM INFANTS (ID545)

C. Hagman; L. Björklund; E. Tufvesson; I. Hansen Pupp Lund, Sweden

**14:00-14:05** PRENATAL THERAPY IMPROVES THE SURVIVAL OF PREMATURE INFANTS WITH CONGENITAL CHYLOTHORAX (ID44)

C.J. Lee; P.N. Tsao; C.Y. Chen; W.S. Hsieh; H.C. Chou New Taipei City, Taiwan

**14:05-14:10** SEDATION INCREASES COMFORT OF PRETERM INFANTS DURING MINIMAL INVASIVE SURFACTANT THERAPY (ID459)

J. Dekker; E. Lopriore; M. Rijken; E. Rijntjes-Jacobs; V. Smits-Wintjens; A. te Pas Leiden, The Netherlands

14:10-14:15 LUNG COMPLIANCE AND LUNG ULTRASOUND DURING POSTNATAL ADAPTATION IN HEALTHY NEWBORN INFANTS (ID565)

L. Süvari; L. Martelius; C. Janér; A. Kaskinen; O. Pitkänen; T. Kirjavainen; O. Helve; S. Andersson Helsinki, Finland

14:15-14:20 DOES THE BAG-VALVE-MASK VENTILATION TECHNIQUE (2-FINGER VS. 5-FINGER-TECHNIQUE) OR THE GLOVE SIZE OF HEALTH CARE PROVIDERS AFFECT TIDAL VOLUME DURING SIMULATED NEONATAL RESUSCITATION? (ID806)

H. Kilbertus; B. Urlsberger; B. Schwaberg Graz, Austria

14:20-14:25 ACCURACY OF CURRENT AVAILABLE NEONATAL RESPIRATORY FUNCTION MONITORS DURING NEONATAL RESUSCITATION (ID110)

C. Verbeek; H.A. van Zanten; J.J. van Vonderen; E.W. van Zwet; S.B. Hooper; A.B. te Pas Leiden, the Netherlands

14:25-14:30 OROPHARYNGEAL AIRWAY TO ASSIST VENTILATION OF PRETERM INFANTS IN THE DELIVERY ROOM (ID144)

C. Kamlin; G. Schmoelzer; J. Dawson; L. McGrory; J O'Shea; P. Davis Melbourne, Australia

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13:30-14:30

HALL 3

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**Poster Session: Epidemiology Poster Session 1**

Chairpersons: Christina Friis Jensen; T. Brink Henriksen

13:30-13:35 THE EPIDEMIOLOGY OF LISTERIOSIS DURING PREGNANCY IN NORTHERN ITALY (ID623)

E. Amato; M. Gori; P. Huedo; M. Pontello Milan, Italy

13:35-13:40 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

13:40-13:45 Mortality and early morbidity in very low birth weight newborns during the twelve year period in Slovak republic (ID203)

M. Kováčsová; G. Magyarová; F. Bauer; R. Lelovská; K. Demová; E. Radvanská Slovakia

13:45-13:50 "VLBW INFANTS OUTCOMES: A 12 YEARS REPORT IN A SOUTH AMERICAN NEONATAL NETWORK (NEOCOSUR)" (ID321)

I. D'Aprèmont; J.L. Tapia; G. Marshall; G. Musante; G. Mariani ; J.M. Ceriani; A. Bancalari; J. Zegarra; P. Mena; C. Grandi; J. Fabres; J. Tavošnanska; J. Lacarruba for the Neocosur Neonatal Network Santiago, Chile

**13:50-13:55** Impact of varicella vaccination in children under 1 year of age in Italy (2006-2011) (ID710)  
A.C. Di Pietro; A. Mattei; M.Sbarbati L'Aquila, Italy

**13:55-14:00** General health perception of young adults born preterm or with a very low birth weight in the Netherlands versus peers (ID670)  
S.M. van der Pal; R.J.M. Perenboom; K.M. van der Pal-de Bruin Leiden, the Netherlands

**14:00-14:05** INTRAUTERINE GROWTH RESTRICTION, HEAD SIZE AT BIRTH AND OUTCOME IN VERY PRETERM INFANTS (ID824)  
I. Guellec; S.Marret; O. Baud; G. Cambonie; A. Lapillonne; J.C. Roze; J. Fresson; C. Flamant; M.L. Charkaluk; C. Arnaud; P.Y. Ancel Paris, France

**14:05-14:10** PREMEDICATION FOR NON-EMERGENCY NEONATAL INTUBATIONS: SURVEY OF PRACTICE ACROSS UNITED KINGDOM (ID201)  
V. Rajamoorthy; P. Dobbs; N. Agarwal; C.S. Narayanan; N. Merchant Watford, UK

**14:15-14:20** INCIDENCE AND OUTCOMES OF METABOLIC DISORDERS IN VERY PRETERM INFANTS (ID569)  
O. Dobush; D. Dobryansky; Z. Salabay; O. Detsyk; O. Novikova; Y. Kuzminov Lviv, Ukraine

**14:20-14:25** MATERNAL FACTORS INFLUENCE INFANT'S VITAMIN D STATUS (ID765)  
H. Hauta-alus; E. Holmlund-Suila; M. Enlund-Cerullo; J. Rosendahl; S. Valkama; O. Helve; H-M. Surcel; O. Mäkitie; S. Andersson; H. Viljakainen Helsinki, Finland

**14:25-14:30** THE HIGH PREVALENCE OF VITAMIN D DEFICIENCY IN A LARGE NUMBER OF PREGNANT WOMEN AND RELATED FACTORS IN ANKARA TURKEY (ID686)  
G. Kadioglu Simsek; F.E. Canpolat; S. Arayici; G. Kanmaz Kutman; H.I. Yakut; Ö. Moraloğlu; B. Özkan Ankara, Turkey

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13:30-14:30

HALL 4

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**Poster Session: Pharmacology poster session**

Chairpersons: V. Fanos Cagliari, Italy; K. Allegaert

13:30 – 13:35 RELATIONSHIP BETWEEN DOPAMINE INFUSION AND HEMODYNAMIC PARAMETERS IN PRETERM INFANTS (ID560)

L.A.F. van Rossum; B. Riphagen; M. Lardinois; A.C.G. Egberts; F.van Bel; P.M.A. Lemmers Utrecht, the Netherlands

13:35 – 13:40 ELEVATED TROUGH SERUM GENTAMICIN CONCENTRATIONS AND OTOTOXICITY (ID359)

K. Swamy; D. Jayasinghe; R. Smith Nottingham, UK

13:40 – 13:45 RELATIONSHIP BETWEEN ADVERSE DRUG REACTIONS AND OFFLABEL/ UNLICENSED DRUG USE IN HOSPITALISED CHILDREN. EREMI STUDY (ID855)

K.A. Nguyen; Y. Mimouni; A. Lajoinie; N. Paret; S. Malik; L. El-Amrani; L. Milliat-Guittard; C. Carcel; A. Portefaix; A.M. Schott; T. Vial; B. Kassai Lyon, France

13:45 – 13:50 A systematic review of off-label and unlicensed drugs use and adverse drug reactions in hospitalized children (ID198)

N. David; K.A. Nguyen; Y. Mimouni; A. Lajoinie; S. Malik; B. Kassai Lyon, France

13:50 – 13:55 EFFICACY AND SAFETY OF PROPOFOL SEDATION FOR THE TREATMENT OF RETINOPATHY OF PREMATURITY IN SPONTANEOUS BREATHING (ID071)

A. Di Pede; G. Catena; C. Auriti; I. Capolupo; S. Lozzi; S. Picardo; A. Dotta; S. Sgrò Rome, Italy

13:55 – 14:00 BABY SKIN CARE PRODUCTS (ID501)

P. Doro; R. Abraham; D. Agoston; J. Balog; R.Z. Csoma Szeged, Hungary

14:00 – 14:05 MATHEMATICAL MODELING TO PREDICT IN-HOSPITAL NATURAL WEIGHT CHANGES IN TERM NEONATES (ID705)

S. Kasser; M. Wilbaux; C. De Angelis; H. Rickenbacher; N. Klarer; J.N. Van Den Anker; M. Pfister; S. Wellmann Basel, Switzerland

14:05 – 14:10 IMPROVING PARENTERAL NUTRITION IN THE NEONATE – A PRACTICAL GUIDELINE (ID385)

H. Reigstad; D. Moster; I. Grønlie; A. Blystad Bergen, Norway

14:10 – 14:15 INVOLUTION OF RETINOPATHY OF PREMATURITY AND NEURODEVELOPMENTAL OUTCOME AFTER BEVACIZUMAB TREATMENT (ID627)

Y.-S. Chang; P.-N. Tsao; C.-Y. Chen; H.-C. Chou; W.-S. Hsieh; P.-T. Yeh Taipei, Taiwan

14:15 – 14:20 MATURATION DRIVES PARACETAMOL GLUCURONIDATION IN EARLY INFANCY (ID094)

E. Krekels; S. van Ham; K. Allegaert; J. de Hoon; A. Debeer; D. Tibboel; M. Danhof; C Knibbe Leiden, The Netherlands

14:20 – 14:25 DOPAMINE AND DOBUTAMINE: DOES TEMPERATURE OR INTRAVENOUS VEHICLE EFFECT STABILITY? (ID318)

C. Thompson; L. Mahoney; G. Scutt; B.A. Patel; H. Rabe Brighton, UK

14:25 – 14:30 COMPARISON OF THE EARLY AND LATE CAFFEINE THERAPY ON CLINICAL OUTCOMES IN PRETERM NEONATES (ID119)

R. Saeidi; S. Maghrebi Mashhad, Iran

13:30-14:30

HALL 5

### Poster Session: Neonatal transportation

**Chairpersons:** *M. Breindahl*/Copenhagen, Denmark; *S. Broster* UK

13:30 – 13:35 Differences in mortality and serious morbidity when a dedicated neonatal retrieval team attends births at 23-28 weeks' gestation in non-tertiary hospitals (ID116)

R. Boland; M. Crossman; K. Watson; M. Stewart Melbourne, Australia

13:35 – 13:40 BACTERIOLOGICAL SAFETY IN TRANSPORT, A CONTINUOUS CHALLENGE (ID421)

G. Jourdain; P. Quentin; V. Derouin; A. Boet; J.L. Chabernaude; D. De Luca Paris, France

13:40 – 13:45 Is echography useful in pediatric mobile intensive care unit? A 2 months preliminary experience. (ID170)

A. Boet; G. Jourdain; P. Quentin; N. Gilmer; C. Peigne; J.L. Chabernaude; D. De Luca Paris, France

13:45 – 13:50 ASSESMENT OF THE TREATMENT OF RESPIRATORY DISTRESS SYNDROME IN THE PREMATURES BELOW 32 WEEKS OF GESTATION TRANSFERRED VERSUS THE ONES BORN IN THE III-RD LEVEL UNIT. EXPERIENCE FROM A REGIONAL CENTER IN ROMANIA (ID865)

G. Zaharie; L. Blaga; M. Hasmasanu; V. Obada; T. Zaharie; T.L. Pop; M. Matyas Cluj, Romania

13:50 – 13:55 A case of congenital tracheal agenesis complicating inter-hospital neonatal emergency transfer (ID847)

P. Bhat; B. Hennebry; N. Tan; S. Garnell; M. Fiske; S. O'Hare; W. Kelsall; S. Broster Cambridge, UK

13:55 – 14:00 Pre-hospital Transport of the Newborn: An unknown entity? (ID614)

L. Perkins; J. Matthes; R. Lee Cardiff, UK

14:00 – 14:05 NEONATAL TRANSPORT IN CENTRAL REGION OF HUNGARY (ID411)

A. Berenyi; A. Szell; M. Szilagyi Olahne; B. Bundzsity; F. Kohalmi; G. Kovacs; G. Liszakay; I. Kocsis, Z.S. Somogyvari Budapest, Hungary

14:05 – 14:10 Routine monitoring of respiratory function variables during inter-hospital neonatal emergency transport – a UK regional transport service experience (ID849)

P. Bhat; A. Dhar; C. Jones; S. Kent; R. Chaudhary; S. O'Hare; S. Broster; A. Curley Cambridge, UK

14:10 – 14:15 EXTERNAL CARDIAC PACING DURING NEONATAL TRANSFER– A CASE REPORT (ID363)

K. Swamy; D. Batra; A. Leslie; L. Lee; B. Schoonakker; S. Wardle UK

14:15 – 14:20 “Neonatal Time Critical Transfers in the UK: experience after one year of its implementation” (ID341)

F. Garrido; M. Márquez; I. Dady Manchester, UK

14:20 – 14:25 Non-invasive cardiac assessment in neonatal mobile ICU: echocardiography versus electrical cardiometry during ride. (ID171)

A. Boet; G. Jourdain; P. Quentin; N. Gilmer; C. Peigne; J.L. Chabernaude; D. De Luca Paris, France

14:25 – 14:30 TRANSPORT EXPERIENCE OF EXTREMELY PRETERM INFANTS BY THE ACUTE NEONATAL TRANSFER SERVICE FOR EAST OF ENGLAND UK (ID250)

D. Wari-Pepple; S. Broster; S. Ohare Cambridge, UK

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14:30-16:30

PLENARY HALL

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**Parallel Session: Brain track IV**

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

14:30-15:00      **Anesthetics pros**

***B. Gonzales 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 er 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*

14:30-16:30

HALL 1

**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, Monash, 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      **Pacp 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*

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14:30-16:30

HALL 2

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**Parallel Session: Genetics track II**

**Chairpersons:** *G.M. Hallman Oulu, Finland; 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)**

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

15:45-16:00      **Genetic inactivation of pdgfra 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*

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14:30-16:30

HALL 3

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**Parallel Session: Epidemiology track II**

**Chairpersons:** *T. Brink Henriksen; T. Williams*

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

*R.T. Lie Bergen, Norway*



- 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. Vääräsmäki; 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*

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14:30-16:30

HALL5

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**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**

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17:00-18:00

PLENARY HALL

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**Plenary Session:**

**Chairpersons:** *M. Makrides* Adelaide, Australia; *J. Rigo*

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**

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18:00-19:30

PLENARY HALL

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**Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?**

***Chairperson: F. Haschke***

18:00-18:30 **PROTEIN REQUIREMENTS AND ACTUAL INTAKE IN TERM INFANTS: IMPACT ON GROWTH**

***F. Haschke***

18:30-19:00 Protein Needs and Nutritional Status in Preterm Infants

***N. Embleton Newcastle, UK***

19:00-19:30 Human Milk Fortification in Preterm Infants

***T. Senterre***

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

**Saturday, September 19<sup>th</sup>, 2015**

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08:00-09:00

HALL 1

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**ESN Business Meeting**

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09:00-11:00

PLENARY HALL

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**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. Cillieborg; 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*

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09:00-11:00

HALL 1

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**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 preterm 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)*

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09:00-11:00

HALL 2

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**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**

***V. Elie*** 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 patients (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

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09:00-11:00

HALL 3

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**Parallel Session: Pharmacology track II**

**Chairpersons:** *D. Bassler* Tübingen, Germany; *M. Weidling*

09:00-09:30      **NEUROSIS – Inhalational steroids**

*D. Bassler* Tübingen, 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 analgosedation: 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

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09:00-11:00

HALL 4

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**Parallel Session: Brain track V**

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

09:00-10:15      **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. Serdar; K. Kempe; J. Herz; K. Lumpe; B.S. Reinboth; S.V. Sizonenko; X. Hou; R. Herrmann; M. Hadamitzky; R. Heumann; M. Sifringer; Y.v.d. Looji; U. Felderhoff-Müser Essen, Germany*

10:45-11:00 **The heme and radical scavenger  $\alpha$ 1-microglobulin ( $\alpha$ 1m) confers protection of the periventricular white matter following preterm intraventricular hemorrhage (ID862)**

*S. Rutardottir; S. Sveinsdottir; S. R. Hansson; B. Åkerström; D. Ley; M. Gram Lund, Sweden*

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09:00-11:00

HALL 5

### Parallel Session: Blood pressure and autoregulation

Chairpersons: M. Weindling Liverpool, UK; E. Verhagen Rotterdam, The Netherlands

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. Sanchez; 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*

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11:30-12:30 **PLENARY HALL**

**IPRF Plenary Session**

*Chairpersons: O. Baud Paris, France; H. Rabe*

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

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

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13:30-15:00 **PLENARY HALL**

**Poster Session: Epidemiology Poster Session2**

Chair persons: *L. Gagliardi Viareggio, Italy* and Anne-Cathrine Finnemann Viuff

13:30 – 13:35 SNAPPE-II: A VALUABLE PREDICTOR OF ADVERSE OUTCOMES IN PREMATURE (ID299)  
*P. Costa-Reis; R. Monteiro; M. Abrantes; P. Costa; A. Graça; C. Moniz Lisbon, Portugal.*

13:35 – 13:40 THE ASSOCIATION BETWEEN MATERNAL AND FETAL 25OHD AND INFANT SIZE AND ADIPOSITY AT BIRTH, 6 MONTHS AND 2 YEARS OF AGE (ID272)  
*M.K. Horan; J.M. Donnelly; C.A. McGowan; E.R. Gibney; F.M. McAuliffe Dublin, Ireland*

13:40 – 13:45 IMPACT OF EX UTERO TRANSPORT, GENDER, AND ANTENATAL STEROIDS ON IN-HOSPITAL MORTALITY OF NEONATES IN HUNGARY: A RETROSPECTIVE COHORT STUDY (ID863)  
*A. Jermendy; A.Valek; M.Szabo Budapest, Hungary*

13:45 – 13:50 Prevalence of vitamin D deficiency in mothers and their newborns in a Tunisian tertiary care hospital (ID307)

I. Ayadi; A. Ghdamssi; K. Bouzid; A. Bahlous; C. Amrouch; E. Ben Hamida; J. Abdelmoula; Z. Marrakchi Tunis, Tunisia

13:50 – 13:55 PLACENTAL GROWTH FACTOR AND ENDOTHELIAL CELL-SPECIFIC MOLECULE 1 LEVELS IN DISCORDANT AND CONCORDANT TWINS AND THEIR RELATIONSHIP WITH FETAL GROWTH (ID689)

G. Kadioglu Şimşek; S. Arayıcı; N. Okur; M. Büyüktiryaki; F.E. Canpolat; S.S.Oğuz Ankara, Turkey

13:55 – 14:00 THERMOREGULATION IN VERY LOW BIRTHWEIGHT INFANTS: A SURVEY OF CURRENT PRACTICE IN 87 NICUs (ID598)

A. Perez ; F. van der Meer; E. Vettorazzi; D. Singer Hamburg, Germany

14:00 – 14:05 REGIONAL ELECTRONIC RESEARCH SYSTEM E-WCZEŚNIAK ( E PREMIE) IN MAZOVIA, POLAND (ID295)

M. Katarzyna Borszewska-Kornacka Warsaw ,Poland

14:05 – 14:10 ) HEARING IMPAIRMENT IN PREMATURE NEWBORNS - ANALYSIS BASED ON THE NATIONAL HEARING SCREENING DATABASE (ID868)

K. Wroblewska-Seniuk; P. Dabrowski; G. Greczka; J. Mazela Poznan, Poland

14:10 – 14:15 Is routine use of antibiotics in preterm infants born by elective caesarean section (cold section) with Respiratory Distress Syndrome is justifiable? (ID043)

R. Onita; H. Gowda Luton, United Kingdom

14:15 – 14:20 CLINICAL VALUE OF PLACENTAL HISTOLOGY IN DIAGNOSING EARLY ONSET NEONATAL SEPSIS (ID313)

J. IJkema; E. 'D Haens; M. Havenith; J. van Eijck; M. Hemels The Netherlands

14:20 – 14:25 Vaginal Ureaplasma parvum but not urealyticum colonization at 12 to 14 weeks of gestation is significantly associated with preterm delivery (ID046)

J. Rittenschober-Boehm; D. Kasper; S. Schulz; B. Pimpel; T. Waldhoer; E. Hafner; G. Sliutz; A. Witt; A. Berger Vienna, Austria

14:25 – 14:30 CLEARING SERIOUS INFECTION: A QUALITY IMPROVEMENT INITIATIVE TO REDUCE NOSOCOMIAL INFECTION (ID400)

C. Duncan; C. Mayes; J.S. Craig Belfast, UK

14:30 – 14:35 Oxygen Saturation Levels in Preterm Infants in Delivery Room (ID640)

S. Uslu; U. Zubarioglu; S. Sozeri; A. Bulbul; M. Dursun; E. Turkoglu Istanbul, Turkey

14:35 – 14:40 Urinary Neutrophil Gelatinase-associated Lipocalin (NGAL) After Global Hypoxia-ischemia in Newborn Piglets (ID857)

H.T Garberg; M.U. Huun; G. Dyrhaug; R. Solberg ; O.D Saugstad Oslo, Norway;

14:40 – 14:45 ANXIETY AND DEPRESSION OVER TIME, IN MOTHERS OF VERY PRETERM BORN CHILDREN (ID187)

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

14:45 – 14:50 LONGITUDINAL CHANGE OF HEALTH-RELATED QUALITY OF LIFE EXPERIENCED OVER TIME BY MOTHER WITH LATE PRETERM INFANT (ID469)

L.Y. Tsai; S.C. Mu; Y.L. Chen; Y.L. Guo; P.C. Chen Taipei, Taiwan

14:50 – 14:55 LATE PRETERM NEONATES AND CAUSES OF ADMISSION TO THE NICU (ID417)

S. Arayici; G. Kadioglu Simsek; B. Say; E. Alyamac Dizdar; N. Uras; F.E. Canpolat; S.S. Oguz Ankara, Turkey

14:55 – 15:00 ACCEPTABILITY OF PARENT REPORT QUESTIONNAIRES FOR ROUTINE FOLLOW-UP IN LATE/MODERATELY PRETERM INFANTS (ID609)

N. Armstrong; S Johnson; E.M. Boyle Leicester, United Kingdom

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13:30-15:00

HALL 1

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**Poster Session: Perinatal care**

Chairpersons: *D. August Townsville*, Australia; U. Simeoni Lousanna, Switzerland

13:30 – 13:35 Wellbeing Versus Blood Testing in Newborns  $\geq$  35 weeks' gestation with Risk Factors of Early Onset Sepsis: a hospital-based study (ID124)

A. Al Omran; S. AL Abdi Al Ahsa, Saudi Arabia

13:35 – 13:40 MONITORING OF ANTENATAL STEROIDS, DELAYED CORD CLAMPING AND THERMOREGULATION (MASCOT) (ID508)

S. Mohamed Cassim; L. Beattie; C. Granger; D. Anand Glasgow, UK

13:40 – 13:45 Feasibility of an age-appropriate addition to a preventive post-discharge intervention for very preterm toddlers; a pilot study. (ID175)

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

13:45 – 13:50 REGIONALIZATION, MORTALITY AND MORBIDITY OF EXTREMELY PREMATURE INFANTS IN EASTERN DENMARK 1994-2011 (ID125)

A.B. Hasselager; O. Pryds; K. Boerch Copenhagen; Denmark

13:50 – 13:55 PROVIDING IMMEDIATE NEONATAL CARE AND RESUSCITATION AT BIRTH BESIDE THE WOMAN: CLINICIANS' VIEWS, A QUALITATIVE STUDY (ID210)

C.W. Yoxall; S. Ayers; A. Sawyer; S. Bertullies; M. Thomas; A.D. Weeks; L. Duley Liverpool, UK

13:55 – 14:00 NEONATAL HEARING SCREENING: RESULTS IN TBILISI, GEORGIA (ID014)

T. Devdariani; S. Japaridze; Z. Kevanishvili Tbilisi, Georgia

14:00 – 14:05 Mortality and serious morbidity rates in outborn compared with inborn 22-27 weeks' gestation infants: a population-based study (ID375)

R. Boland; P. Davis; J. Dawson; L. Doyle Parkville, Australia

14:05 – 14:10 PROVIDING IMMEDIATE NEONATAL CARE AND RESUSCITATION AT BIRTH BESIDE THE WOMAN: PARENTS' VIEWS, A QUALITATIVE STUDY (ID208)

A. Sawyer; S. Ayers; S. Bertullies; M. Thomas; A.D. Weeks; C.W. Yoxall; L. Duley London, UK

14:10 – 14:15 TRANSITIONAL CARE ON THE POSTNATAL WARD - IS IT TIME FOR A CHANGE? (ID425)

C. Sullivan Swansea, UK

14:15 – 14:20 Monitoring heart rate in Premature Infants Immediately After Birth: Preliminary results (ID644)

S. Uslu; S. Sozeri; U. Zubarioglu; A. Bulbul; M. Dursun; E. Turkoglu Istanbul, Turkey

14:20 – 14:25 PERINATAL HEALTH AND LEVEL OF NEONATAL CARE IN AN ITALIAN REGION (ID707)

E. Trequattrini; L. Minelli; M. Chiavarini Perugia, Italy

14:25 – 14:30 International care practices around an infant's death in the NICU; a survey study (ID408)

C.M.C. van den Berg; K. Alferink; J. M. Latour; N. Valkenburg; M. van Dijk Rotterdam, The Netherlands

14:30 – 14:35 Guidelines for Neonatal surgery in Italy: work in progress (ID732)

I. Bernardini; M. Chiavarini; S. Tesoro; L. Marchesini; D. Bologni; W. Orlandi; M. Pioppo Perugia, Italy

14:35 – 14:40 IMPLEMENTATION OF PULSE OXIMETRY SCREENING IN DETECTING CRITICAL CONGENITAL HEART DISEASES IN NEWBORNS. EXPERIENCE OF A TERTIARY NEONATAL CARE UNIT (ID837)

I. Jańczewska; I. Domzalska-Popadiuk *Gdansk, Poland*

14:40 – 14:45 Evolution Trends and Surgical Approach in Hypertensive disease of pregnancy (ID649)

G. Noditi; A. Gluhovschi; I. Enatescu; D. Anastasiu; C. Dragomir; M. Craina Romania

14:45 – 14:50 PULSE OXIMETRY SCREENING IN COMMUNITY MIDWIFERY: ACCEPTABILITY OF MOTHERS AND COMMUNITY MIDWIVES (ID825)

I. C. Narayen; N.A. Blom; M.S. Bourgonje-Verhart; C. Kolster-Bijdevaate; F. Posthumus; A.A. Kaptein; A.B. te Pas Leiden, The Netherlands;

14:50 – 14:55 Development of a tool to calculate Neonatal Intensive Care cot availability (ID736)  
C. Peters Glasgow, UK

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13:30-15:00

HALL 2

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**Poster Session: circulation 2**

Chairpersons: Simon Hyttel-Sorensen, **P.M.A. Lemmers** Utrecht, The Netherlands

13:30 – 13:35 THE EFFECT OF MATERNAL ANTIHYPERTENSIVE DRUGS ON CEREBRAL, RENAL AND SPLANCHNIC OXYGEN EXTRACTION IN PRETERM BORN NEONATES (ID333)  
A.E. Richter; T.E. Schat; K.N.J.A. Van Braeckel; A.F. Bos; E.M.W. Kooi Groningen, the Netherlands

13:35 – 13:40 SURVIVAL AFTER CARDIAC ARREST IN THE NEONATAL INTENSIVE CARE UNIT (ID412)  
E. Foglia; R. Langeveld; L. Heimall; A. Deveney; A. Ades; E. Jensen Philadelphia, USA

13:40 – 13:45 HEMATOLOGIC ABNORMALITIES IN THE FIRST 72 HOURS OF LIFE IN SMALL-FOR-GESTATIONAL-AGE PRETERM NEWBORNS (ID234)  
A. Matic; A. Ristivojevic Novi Sad, Serbia

13:45 – 13:50 THE ANTICOAGULANT ACTION OF ACTIVATED PROTEIN C IN VERY PRETERM INFANTS (ID564)  
E. Neary; N. McCallion; B. Kevane; K. Egan; M. Cotter; F. Ni Ainle Dublin, Ireland

13:50 – 13:55 PERFUSION INDEX USED AS A SIXTH VITAL SIGN IN PRETERM INFANTS LEADS TO EARLY DIAGNOSIS OF SHOCK, BETTER OUTCOMES (ID314)  
D. Hariharan; G. Veluswami; L. Balasubramanian; V. Kannappan; R.M. Sahadevan Chennai, India

13:55 – 14:00 Prior clinical description biases assessment of capillary refill time (ID587)  
E. Murphy; S. Coleman; S. Hill; C. Henry; D. Morris; D. Sharkey Nottingham, UK

14:00 – 14:05 PLETH VARIABILITY INDEX IN PRETERM INFANTS: IS IT FEASIBLE? (ID090)  
H.A. van Elteren; T.G. Goos; I.K.M. Reiss; R.C.J. de Jonge; V.J. van den Berg Rotterdam, the Netherlands

14:05 – 14:10 SKIN MICROCIRCULATION IN ASPHYXIATED NEWBORNS TREATED WITH HYPOTHERMIA (ID334)  
S. Fredly; D. Fugelseth; C.S. Nyggard; T. Stiris; K. Kvernebo Oslo, Norway

14:10 – 14:15 POINT OF CARE FUNCTIONAL ECHOCARDIOGRAPHIC INTER AND INTRA-OBSERVER VARIABILITY: RIGHT VENTRICULAR OUTFLOW & SUPERIOR VENA CAVA FLOW IN WELL AND UNWELL NEWBORN INFANTS (ID516)

L. Mahoney; J.R. Fernandez Alvarez; H. Rojas-Anaya; N.Aiton; D. Wertheim; P. Seddon; H. Rabe Brighton, UK

14:15 – 14:20 UK TRANSFUSION-ASSOCIATED NECROTISING ENTEROCOLITIS CASES IDENTIFIED THROUGH A MULTI CENTRE AUDIT (ID606)

S. Hamad; K. Jones; K. Sim; S. Cherian; A. James; S. Godambe; H. New; J.S. Kroll; P. Clarke Norwich, UK

14:20 – 14:25 Early circulatory and respiratory parameters in extremely preterm infants (ID737)

K.W. Olsson; R. Sindelar; A. Jonzon Uppsala, Sweden

14:25 – 14:30 HEART RATE VARIABILITY CHANGES ASSOCIATED WITH NEONATAL INFECTION (ID520)

P. Amess; H. Rabe; D. Wertheim Brighton, UK

14:30 – 14:35 Impact of Maternal Factors on Circulating Cord/Peripheral Blood Cytokines and Stem Cells in Preterm Infants in Cord Clamping Trial (ID884)

J. Mercer; V. Bhandari; D. Erickson-Owens; B. Vohr; R. Tucker; W. Oh; J. Padbury Providence, USA

14:35 – 14:40 ASSOCIATION BETWEEN INDUCED LABOR AND FETAL STRESS HORMONE RELEASE (ID581)

S. Wellmann; A. Koslowski; K. Spanaus; R. Zimmermann; T. Burkhardt Basel, Switzerland

14:40 – 14:45 THE EFFECTS OF SKIN-TO SKIN ON PLACENTAL TRANSFUSION: A NONRANDOMIZED PILOT CONTROLLED TRIAL (ID567)

D. Erickson-Owens; J. Mercer; D. Thulier; W. Oh; M. VanVleet Providence RI, USA

14:45 – 14:50 THE EFFECT OF ANTENATAL MAGNESIUM SULFATE ADMINISTRATION ON LEFT VENTRICULAR AFTERLOAD AND MYOCARDIAL PERFORMANCE MEASURED USING DEFORMATION AND ROTATIONAL MECHANICS IMAGING (ID057)

J.D. Corcoran; B. Hayes; O. Franklin; A. EL-Khuffash Dublin, Ireland

14:50 – 14:55 Thromboelastographical assessment of the hemostatic system in newborns with periventricular hemorrhage (ID209)

K. Leonava Minsk, Belarus

14:55 – 15:00 SERUM NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN AS AN EARLY MARKER OF ACUTE KIDNEY INJURY IN NEONATES WITH HYPOPLASTIC LEFT HEART SYNDROME (ID164)

P. Surmiak; M. Baumert; Z. Walencka; A. Witek Katowice, Poland

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13:30-15:00

HALL 3

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**Poster Session: Nutrition and GASTROENTEROLOGY POSTER SESSION 2**

**Chairpersons:** *H. Varendi* Tartu, Estonia; *J. Neu* Gainesville, USA

13:30 – 13:35 VITAMIN D AT A DOSE 400 IU/D PROTECTS TERM AND PRETERM INFANTS FROM DEFICIENCY. (ID859)

J. Czech – Kowalska; M. Jaworski; A. Pleskaczynska; D. Maksym; M. Gruszfeld; G. Wygledowska; B. Pawlus; A. Zochowska; M. Kornacka; A. Dobrzanska Warsaw, Poland

13:35 – 13:40 NUTRITIONAL AND CLINICAL OUTCOMES OF THE IMPLEMENTATION OF MULTIDISCIPLINARY NUTRITION SUPPORT TEAM IN A TERTIARY NEONATAL INTENSIVE CARE UNIT (ID134)

B.K. Lee; E.R. Jeong; I.G. Song; Y.H. Jung; S.H. Shin; E.K. Kim; H.S. Kim; J.H. Choi Seoul, South Korea

13:40 – 13:45 GLUCOSE LEVELS DURING METABOLIC TRANSITION IN THE HEALTHY TERM NEWBORN: A PILOT STUDY WITH CONTINUOUS GLUCOSE MONITORING (ID779)

I. Iglesias-Platas; A. Morillo-Palomo; M. Thió-Lluch Barcelona, Spain

13:45 – 13:50 EXAMINATION OF BIOACTIVE FACTORS IN HUMAN BREAST MILK SAMPLES (ID628)

R. A. Vass; D. Reglodi; J. Garai; Z. Helyes; I. Tarcai; A. Tamas Pecs, Hungary

13:50 – 13:55 BREAST MILK VERSUS FORMULA FOR THE ENTERAL NUTRITION OF VERY PRETERM INFANTS – OUTCOME AT THE AGE OF ONE AND TWO YEARS (ID296)

L. Kirchner; N. Klambauer; R. Fuiko; S. Brandstetter Vienna, Austria

13:55 – 14:00 HYPERGLYCEMIA IN EXTREMELY PRETERM INFANTS LASTS LONGER THAN PREVIOUSLY ACKNOWLEDGED - RESULTS FROM THE EXPRESS STUDY (ID248)

I. M. Zamir; E. Stoltz Sjöström; F. Ahlsson; M. Domellöf Umeå, Sweden

14:00 – 14:05 BLOOD UREA NITROGEN IN VERY LOW BIRTH WEIGHT INFANTS – A USEFUL MARKER FOR PROTEIN INTAKE? (ID584)

M. Lindberg; I. M. Zamir; C. Späth; E. Stoltz Sjöström; M. Domellöf Umeå, Sweden

14:05 – 14:10 Aggressive Vitamin D Supplementation Is Safe & Effective In Preterm Neonates (ID226)

T. Waterfield; C. Chetcuti-Ganado Luton, UK

14:10 – 14:15 Human milk feeding compared to formula feeding post discharge seems to be associated with increased BMD at six years of age in very preterm born infants (ID215)

L. Toftlund; L. Agertoft; S. Halken; G. Zachariassen Odense, Denmark

14:15 – 14:20 AGE AT OCCURRENCE OF FOCAL INTESTINAL PERFORATION AND NECROTIZING ENTEROCOLITIS IN PRETERM INFANTS (ID494)  
S. Petersen; G. Greisen Copenhagen, Denmark

14:20 – 14:25 CLINICAL EFFECTIVENESS OF HYDROLYZED PROTEIN PRETERM FORMULA IN PREVENTION OF FEEDING INTOLERANCE IN VERY LOW BIRTH WEIGHT INFANTS (ID305)  
D. Dobryansky; O. Borysiuk; O. Novikova; Y. Dubrovna; Z. Salabay; O. Detsyk Lviv Ukraine

14:25 – 14:30 COMPARISON OF DRY BLOOD SPOT AMINO ACID PROFILES BETWEEN PRETERM INFANTS AT TERM POSTMENSTRUAL AGE AND HEALTHY TERM NEWBORNS (ID786)  
C. Balcells; M. Izquierdo-Renau; M. Molero; C. Sierra; R. Artuch; I. Iglesias-Platas Barcelona, Spain

14:30 – 14:35 THE EFFECT OF A STANDARDIZED GASTRIC RESIDUAL REGIME ON FEEDING TOLERANCE IN PRETERM INFANTS. (ID041)  
T.J.M. Cents; D. van Zoeren-Grobbe; R.A. van Lingen; L.J.Groot Jebbink Zwolle, the Netherlands

14:35 – 14:40 VARIABILITY IN BONE MARKERS PROFILE OF NEWBORNS AND THEIR MOTHERS AFTER DHA SUPPLEMENTATION IN PREGNANCY (ID774)  
L. Serrano López; M. Peña Caballero; E. Martín Álvarez; J. Diaz Castro; N. Najarabille; J.J. Ochoa; J.A. Hurtado Suazo Granada. Spain

14:40 – 14:45 PERINATAL INFLAMMATION AND CHILDHOOD ADIPOSITY - THE INFLUENCE OF GENDER (ID264)  
J. Donnelly; K Lindsay; J. Walsh; M. Horan; D. O'Shea; E.J. Molloy; F. McAuliffe Dublin, Ireland

14:45 – 14:50 GROWTH PATTERN AND BODY COMPOSITION OF PRETERM INFANTS FROM BIRTH TO DISCHARGE: A PROSPECTIVE STUDY (ID249)  
Z. Khan; N. Morris; S. Wallner-Liebmann; N. Haiden; B. Urlsberger Graz, Austria

14:50 – 14:55 Neonatal antibiotics in preterm infants and risk of allergic diseases later in life (ID810)  
E. Westerbeek; A. van Zwol; L. Carstens; R. van Elburg Amsterdam, The Netherlands

14:55 – 15:00 NEONATAL NUTRITION AND CARDIOVASCULAR HEALTH DETERMINANTS IN PRESCHOOL CHILDREN BORN PRETERM – PRELIMINARY DATA (ID714)  
I. Odri Komazec; A. Posod; E. Schermer; M. Schwienbacher; K. Kager; U. Pupp Peglow; D. Baumgartner; U. Kiechl-Kohlendorfer Innsbruck, Austria



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13:30-15:00

HALL 4

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**Poster Session: Brain 4**

Chairpersons: **L. Ramenghi** Genoa, Italy; **P. Gressens** Paris, France

13:30 – 13:35 Is neonatal established hearing loss permanent in NICU graduates? (ID045)

J. Kuiper; W. van Huffelen; R. Benard Zwolle, The Netherlands

13:35 – 13:40 SHOULD WE CORRECT FOR GESTATIONAL AGE WHEN ASSESSING DEVELOPMENT IN PRETERM-BORN CHILDREN? (ID241)

N.H. van Dokkum; J.M. Kerstjens; D.M. van Maanen; A.F. de Winter; A.F. Bos; S.A. Reijneveld Groningen, the Netherlands

13:40 – 13:45 NEUROCOGNITIVE DISABILITIES IN CHILDREN WITH MINOR NEUROLOGICAL DYSFUNCTION BORN VERY PRETERM (ID156)

T. Kurpershoek; E. Potharst-Sirag; C. Aarnoudse-Moens; A. van Wassenaer-Leemhuis Amsterdam, The Netherlands

13:45 – 13:50 2 YEAR NEURODEVELOPMENTAL OUTCOMES FOLLOWING EXTREME PREMATURITY OR EXTREMELY LOW BIRTH WEIGHT IN NOTTINGHAM, UNITED KINGDOM. BIRTH COHORT 2000-2008 (ID097)

C. Forster; T. Crosby; J. Dorling Nottingham, United Kingdom

13:50 – 13:55 MONOCHORIONIC DIAMNIOTIC TWINS: A 2-YEAR DEVELOPMENTAL OUTCOME (ID293)

E. Teixeira; M. Machado; L. M. Ferreira; F. Rodrigues; R. Henriques; E. Afonso Coimbra, Portugal

13:55 – 14:00 EPILEPSY IN CHILDREN BORN MODERATELY AND LATE PRETERM (ID129)

M. Hirvonen; R. Ojala; P. Korhonen; P. Haataja; K. Eriksson; M. Gissler; T. Luukkaala; O. Tammela Tampere, Finland

14:00 – 14:05 IS MANAGING PAIN A PAIN? NATIONAL SURVEY ON NEONATAL PAIN MANAGEMENT IN THE UNITED KINGDOM (ID534)

S. Bhayat; H. Gowda Luton, UK

14:05 – 14:10 EFFECT OF SHORTER DELAY TIME AFTER SUCROSE ADMINISTRATION TO REDUCE HEEL STICK RELATED PAIN IN NEWBORN INFANTS. (ID088)

N.J. Meesters; M. van Dijk; S.H.P. Simons Rotterdam, the Netherlands

14:10 – 14:15 PRENATAL EXPOSURE TO HYDROXYLATED POLYCHLORINATED BIPHENYLS IS ASSOCIATED WITH MENTAL AND MOTOR DEVELOPMENT OF INFANTS AT THE AGE OF 18 MONTHS. (ID446)

M. Ruel; A. Bos; S. Soechitram; L. Meijer; P. Sauer; S. Berghuis Groningen, the Netherlands

14:15 – 14:20 OCCURRENCE OF ABNORMAL PLACENTAL HISTOLOGY FINDINGS IN TERM ASPHYXIATED INFANTS (ID860)

A. Ildikó Tóth; M. Szabó; Á. Nándor; E Széll Budapest, Hungary

14:20 – 14:25 THE ANTISECRETORY FACTOR IN PRETERM AND TERM PLACENTAS (ID654)

A. Gustafsson; E. Fransson; A. Dubicke; SA. Silfverdal; E. Jennische; S.Lange; K.Bohlin Stockholm, Sweden

14:25 – 14:30 INSULIN-LIKE GROWTH FACTOR-1 PROTEIN CONCENTRATION INCREASES PERINATALLY AND REMAINS HIGH POSTNATALLY IN LAMBS, MIRRORING THE PROFILE IN HUMANS FROM THE FOETUS TO THE ADOLESCENT (ID247)

M. Dahl; D. Keefe; J.-K. Chung; N. Barton; R. Ward; K. Albertine Lexington, USA

14:30 – 14:35 PRETERM INFANTS BORN WITH PRENATAL ABSENT OR REVERSED END-DIASTOLIC FLOW VELOCITY (AREDV) SHOW SIGNIFICANT LOWER BAYLEY III SCALES AT 2 YEARS- A MATCH CONTROL STUDY (ID285)

C.N. Chen; H.C. Huang; C.Y. Chen; H.C. Chou; W.S. Hsieh; P.N. Tsao Taipei, Taiwan

14:35 – 14:40 Chorioamnionitis in preterm infants is not associated with brain size and maturation at term equivalent age (ID004)

A.J. Spittle; L.W. Doyle; J. Pyman; J.M. Walsh; L. Coleman; C.Dagia; J.L.Y. Cheong Glasgow, UK

14:40 – 14:45 TRIGEMINAL ODOURS RELEASED BY HEALTH CARE PRODUCTS ACTIVATE CORTICAL PAIN PROCESSING AREAS AND TRIGGER PAIN BEHAVIOR IN PRETERM AND FULL TERM BORN INFANTS (ID577)

J. Frie; M. Bartocci; H. Lagercrantz; P. Kuhn Stockholm, Sweden

14:45 – 14:50 IN VIVO ASSESSMENT OF CEREBRO-CEREBELLAR CONNECTIVITY IN THE DEVELOPING BRAIN USING HIGH ANGULAR RESOLUTION DIFFUSION IMAGING (ID377)

K. Pieterman; D. Batalle; J. Dudink; D. Tournier; E. Hughes; N. Tumor; A.D. Edwards; F. Hoebeek; S.J Counsell Rotterdam, The Netherlands

14:50 – 14:55 DIFFUSE OPTICAL IMAGING OF RESTING STATE FUNCTIONAL CONNECTIVITY IN INFANTS (ID404)

C.W. Lee; R.J. Cooper; L.A. Dempsey; M. Chalia; S. Brigadoi; N Everdell; J.C. Hebden; T. Austin Cambridge, UK

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13:30-15:00

HALL 5

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Poster Session: **Pulmonary Poster Symposium 3: Lung Injury and BPD**

Chairs: Olivier Danhaive; C.C. Roehr

13:30 – 13:35 RESPIRATORY MORBIDITY OF PRETERM INFANTS WITH AND WITHOUT BRONCHOPULMONARY DYSPLASIA, AFTER DISCHARGE, IN THE FIRST 2 YEARS OF LIFE. (ID559)  
E. Mulder; M. Rijken; L. de Smet; E. Lopriore; A. te Pas Leiden, the Netherlands.

13:35 – 13:40 A RANDOMISED CLINICAL TRIAL: EFFECTS ORAL VITAMIN A SUPPLEMENTATION FOR PREVENTING BRONCHOPULMONARY DYSPLASIA IN VERY LOW BIRTH WEIGHT INFANTS (ID662)  
E. Calisici; E. Yarci; S.S. Oguz; N. Uras; U. Dilmen Ankara, Turkey

13:40 – 13:45 ) CLINICAL COURSE AND PROGNOSIS AT ONE YEAR OF CORRECTED AGE OF A 6135 COLOMBIAN LOW BIRTH WEIGHT (LBW) INFANTS COHORT DISCHARGED HOME IN KANGAROO POSITION WITH AMBULATORY OXYGEN: A 15 YEARS EXPERIENCE (ID256)  
E. Rodriguez; A. Montealegre; L. Rosero; N. Charpak; S. Fernandez; A. Parra Bogota, Colombia

13:45 – 13:50 RESPIRATORY MORBIDITY AFTER NICU DISCHARGE OF PRETERM BABIES WITH CHRONIC LUNG DISEASE (ID261)  
C. McKnight; S. Somisetty Luton, England

13:50 – 13:55 BRONCHODILATOR RESPONSE TO SLABUTAMOL MODIFIES LUNG VENTILATION PATTERN IN PRESCHOOL CHILDREN WITH BPD, BUT NOT IN PRESCHOOL EX-PREMATURELY BORN CHILDREN WITHOUT BPD (ID678)  
W. Durlak; M. Klimek; A. Sudol; P. Kwinta Cracow, Poland

13:55 – 14:00 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

14:00 – 14:05 LACTOFERRIN (LF) SERVES AS AN ADJUVANT IN INFLUENZA VACCINATION OF IMMATURE MICE (ID461)  
M. P. Sherman; C. J. Pritzl; B. Hahm Columbia, USA

14:05 – 14:10 URINARY N-TERMINAL PRO-B TYPE NATRIURETIC PEPTIDE PREDICTS MODERATE OR SEVERE BRONCHOPULMONARY DYSPLASIA IN PRETERM INFANTS (ID189)  
C. Czernik; S. Hartenstein; B. Metze; C. Bühner Berlin, Germany

14:10 – 14:15 LOCAL INFLAMMATORY REACTIONS AND DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA IN VERY PRETERM INFANTS WHO REQUIRED MECHANICAL VENTILATION SHORTLY AFTER BIRTH (ID423)

O. Borysiuk; D. Dobryansky; Y. Kuzminov Lviv, Ukraine

14:15 – 14:20 ANIMAL MODEL FOR THE BETTER UNDERSTANDING OF BRONCHOPULMONARY DYSPLASIA (ID151)

M. Tolnai; Zs.Helyes; T. Ertl; P.Kiss Pecs, Hungary

14:20 – 14:25 Shedding Light on Preterm Immunity (ID301)

J. C. Lao; F. Beker; K. König; E. Noble; G. Walsh; A. Malhotra; K. Tan; G. Woodhead; C. A. Nold-Petry; M. F. Nold Melbourne, Australia

14:25 – 14:30 VEGF BLOOD LEVELS IN PRETERM NEWBORNS WITH AND WITHOUT RDS (ID081)

R.S. Procianoy; C.R. Hentges; R.C. Silveira Porto Alegre, Brazil

14:30 – 14:35 URINE NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN AS A MARKER OF BRONCHOPULMONARY DYSPLASIA AND RETINOPATHY OF PREMATURITY IN PRETERM NEONATES (ID787)

H. Ergin; T. Atilgan; M. Dogan; O.M.A. Ozdemir; C. Yenisey Denizli, Turkey

14:35 – 14:40 10 year outcomes of Congenital Diaphragmatic Hernia in a tertiary neonatal unit (ID546)

D.Fouad; S. Mulla; D. Sava; M. Kulkarni; R. Roy Norwich, UK

14:40 – 14:45 Outcomes of infants receiving Palivizumab prophylaxis for RSV in Canada and Italy: an international, prospective, cohort study (ID344)

P. Manzoni; B. Paes; K. L. Lanctôt; A. Dall'Agnola; I.Mitchell; S. Calabrese; M.Maule; E. Girardi; T. Harimoto; A. Li Turin, Italy

14:45 – 14:50 Observational study in premature infants evaluating the role of ureaplasma urealyticum on chronic lung disease (ID436)

A. Olariu; H. Gowda Luton, UK

14:50 – 14:55 COMORBID RISK FACTORS OF PERSISTENT PULMONARY HYPERTENSION OF THE NEWBORN IN INFANTS WITH MECONIUM ASPIRATION SYNDROME (ID782)

E.C. Lee; M.G. Choi; G.H. Shim; Y.H. Song; M.J. Chey Seoul, Korea

14:55 – 15:00 THE ANTIOXIDANT DEFENSE OF PRETERM NEWBORNS WITH RESPIRATORY DISTRESS (ID858)

M. Matyas; L. Blaga; G. Zaharie Romania

15:00-17:00

PLENARY HALL

**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. Csaicsich; C. Aufrecht 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      **HEALTH-RELATED QUALITY OF LIFE IN VERY PRETERM CHILDREN ASSESSED AT SCHOOL AGE: COMPARISON BETWEEN THE CHILDREN'S AND PARENTS' REPORTS (ID734)**

***M. Cuttini; I. Croci; L. Herich; M. Carrozzi; V. Chiandotto; S. Vicari; M. Raponi Rome, Italy***

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. Bech; 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. Chiavarini; 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. Skiöld; O. Stephansson; S. Johansson Stockholm, Sweden***

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15:00-17:00

HALL 1

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**Parallel Session: NICU design**

**Chairpersons:** *D. Haumont* Brussels, Belgium; **B. Hallberg** Stockholm, Sweden

15:00-15:30      **keynote lecture: Guidelines for NICU design**

*R. White* South Bend, USA

15:30-16:00      **experiences from implementing a family-centred private room NICU**

*T. Mohns* Veldhoven, The Netherlands

16:00-16:30      **Rebuilding the unit: challenges and opportunities**

*B. Hallberg* Stockholm, Sweden; *S. Hegestam* Stockholm, Sweden

16:30-17:00      **Parents and hygiene - a contradiction**

*O. Helder* Rotterdam, The Netherlands

15:00-17:00

HALL 2

**Parallel Session: Preterm-related diseases & inflammation**

**Chairpersons: *O.D. Saugstad; N. Robertson***

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; P. Clarke; 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 Kaya; 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

15:00-17:00

HALL 3

**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 **A SYNBIOTIC MIXTURE OF scGOS/IsCFOS AND BIFIDOBACTERIUM BREVE M-16V IS ABLE TO RESTORE THE DELAYED COLONIZATION OF BIFIDOBACTERIA IN C-SECTION DELIVERED INFANTS (ID381)**

*M.C. Chua; C. Chew; A. Goh; W.C. Chiang; R. Rao; C. Lay; K. Ben-Amor; S. Chaithongwongwatthana; N. Khemapech; K. Knol; V. Chongsrisawat Utrecht, the Netherlands*

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 Heeswijk; M.L. Rush; H. Kirpalani; S.B. De Mauro Philadelphia, USA*



15:00-17:00

HALL 4

**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

15:00-17:00

HALL 5

**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. Kiepora*; *G. Kmita* *Warsaw, Poland*

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17:30-19:00

PLENARY HALL

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**Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - *Non-invasive detection of hemolysis***

***Chairperson: G. Buonocore Siena, Italy***

17:30-17:40

**Introduction**

*G. Buonocore Siena, Italy*

17:40-18:00

**Jaundice, hemolysis and neurodevelopmental abnormalities**

*K. Ives Oxford, UK*

18:00-18:20

**Detection of hemolysis with CoSense – rationale and clinical experience**

*R. Christensen Salt Lake, USA*

18:20-18:40

**The Stanford experience with CoSense – Clinical Use Paradigms**

*V. Bhutani Palo Alto, USA*

18:40-19:00

**QUESTIONS AND PANEL DISCUSSION**

*“industry-sponsored course” (please see part 2 page ...)*

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17:30-18:30

HALL 1

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**ESPR Business Meeting**

**Sunday, September 20<sup>th</sup>, 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**

09:00-11:00

HALL 1

**Parallel Session: Chronic lung disease and lung injury**

***Chairpersons: K. Bohlin* Stockholm, Sweden**

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)**

*G.H. Shim; H.-S. Kim; E.S. Kim; K.-Y. Lee; E.-K. Kim; J.-H. Choi Seoul, Korea*

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-Carlomagno; 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*

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09:00-11:00

HALL 3

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**Parallel Session: Pharmacology track III**

*Chairpersons: Z. Wei; K. Allegaert*

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*

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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, Netherlands*

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*

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11:30-13:00

PLENARY HALL

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**Plenary Session: Closing Session**

*Chairpersons: P. Huppi Genève, Switzerland; M. Weindling Liverpool, UK*

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

*M. Cuttini Rome, Italy*

12:00-12:30      **WHO millenium**

*B. Daelmans*

12:30-13:00      **Closing Words**

## SPONSORIZED SESSIONS

Tuesday, September 15<sup>th</sup>, 2015

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09:00-17:00

HALL 1

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### 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**

*“Supported by an unrestricted educational grant by Chiesi”*

## Tuesday, September 15<sup>th</sup>, 2015

09:00-17:00

HALL 1

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

9.00 – 9.30 **WELCOME – INTRODUCTION AND OBJECTIVES**

*Dr Tibor Ertl, Chair, Nicole Thiele Vice Chair of the Executive Board, EFCNI and Carole Kenner, Chief Executive Officer of COINN*

9:30 – 10:30

**THE PREEMIE PARENT JOURNEY AND THE PARENT BURDEN STUDY. INSIGHTS FROM GLOBAL PARENT RESEARCH AND KEY FINDINGS FROM RELEVANT HEALTH ECONOMICS AND OUTCOMES RESEARCH**

*Donna Gray, Director of Global Patient Adherence, AbbVie and Barry Rodgers-Gray, Strategen*

10:30 – 11:15

**A PREEMIE PARENT'S STORY – INSIGHT IN TO THE EXPERIENCE OF BEING A PREEMIE PARENT AND WHAT HCPs CAN DO TO HELP MAKE THE JOURNEY EASIER FOR PARENTS**

*Karl Rombo*

11:15 – 12:00

**DISCUSSION AND Q&A**

*Chaired by Dr Tibor Ertl*

12:00 – 13:00

*Lunch break*

13:00 – 15:45

**BREAKOUT SESSIONS**

Three separate tracks to include a 15 minute coffee break:

### **HCP TRACK 1 (DOCTORS)**

**PART 1: UNDERSTANDING RISK COMMUNICATIONS (45 MINS)**

*Led by John Paling, Risk Communication Institute*

**PART 2: COMMUNICATIONS TRAINING (1.5 HOURS)**

- 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

*Led by Marsheila Devan, Point Taken*

## HCP TRACK 2 (NURSES)

### PART 1: LED BY COINN (45 MINS)

*Led by Carole Kenner, Chief Executive Officer of COINN*

### PART 2: COMMUNICATIONS TRAINING (1.5 HOURS)

- 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

*Led by Beth Rogers, Point Taken*

### PARENT TRACK: COMMUNICATIONS WORKSHOP:

- IDENTIFYING AND DISCUSSING CHALLENGES TO EFFECTIVE COLLABORATION BETWEEN PARENTS AND HCPs
- SUPPORTING PARENT GROUPS TO STEER EFFECTIVE DIALOGUE
- PRACTICAL EXERCISES TO SUPPORT EFFECTIVE COMMUNICATION AND COLLABORATION BETWEEN PARENTS AND HCPs

*Led by Nicole Thiele and Dr. Iris Nikola Knierim, EFCNI*

15:45 – 16:45 **KEY INSIGHTS FROM BREAK-OUTS AND PLAN FOR ACTION**

OVERVIEW FROM THE WORKSHOPS AND INSIGHTS, PULLING TOGETHER KEY LEARNINGS AND ACTION POINTS FROM THE DAY

*Led by Dr Tibor Ertl, Chair, Nicole Thiele and Carole Kenner*

16:45 – 17:00 **CONCLUSION AND THANK YOU**

*Led by Dr Tibor Ertl, Carole Kenner and Nicole Thiele*

*“Supported by an unrestricted educational grant by Abbvie”*

**Thursday, September 17<sup>th</sup>, 2015**

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17:30-18:30

PLENARY HALL

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**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 Barcellona, Spain***

*“Supported by an unrestricted educational grant by Chiesi”*

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18:30-20:00

PLENARY HALL

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**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 18<sup>th</sup>, 2015**

18:00-19:30

PLENARY HALL

**Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?**

*Chairperson: F. Haschke*

18:00-18:30 **PROTEIN REQUIREMENTS AND ACTUAL INTAKE IN TERM INFANTS: IMPACT ON GROWTH**

*F. Haschke*

18:30-19:00 Protein Needs and Nutritional Status in Preterm Infants

*N. Embleton Newcastle, UK*

19:00-19:30 Human Milk Fortification in Preterm Infants

*T. Senterre*

*“Supported by an unrestricted educational grant by Nestlé”*

**Saturday, September 19<sup>th</sup>, 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 19<sup>th</sup>, 2015**

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17:30-19:00

PLENARY HALL

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**Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - *Non-invasive detection of hemolysis***

*Chairperson: G. Buonocore Siena, Italy*

17:30-17:40 **Introduction**

*G. Buonocore Siena, Italy*

17:40-18:00 **Jaundice, hemolysis and neurodevelopmental abnormalities**

*K. Ives Oxford, UK*

18:00-18:20 **Detection of hemolysis with CoSense – rationale and clinical experience**

*R. Christensen Salt Lake, USA*

18:20-18:40 **The Stanford experience with CoSense – Clinical Use Paradigms**

*V. Bhutani Palo Alto, USA*

18:40-19:00 **QUESTIONS AND PANEL DISCUSSION**

*“Supported by an unrestricted educational grant by Capnia”*