

1st Congress of joint European Neonatal Societies

Budapest, September 15th - 20th 2015

HungExpo

Scientific Program

Artúr Beke

Hungarian Society

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ESN Society

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UENPS Society

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ESPR Society

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ESPR Society

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COINN

Program Updated on September 5th, 2015

General Summary

General Summary	2
Tuesday, September 15th, 2015	7
Pre Congress Course: ESN Course 1: Lung	7
Pre Congress Course: Nurses	9
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals	11
Pre Congress Course: Structuring presentations and posters	13
Wednesday, September 16th, 2015	14
Pre Congress Course: Haematological problems in neonatal period	14
Pre Congress Course: Neonatal Transportation	15
Pre Congress Course: ESN course 2: Brain MRI	18
Pre Congress Course: Nutrition for the preterm & breastfeeding	20
Pre Congress Course: Neonatal Infections	22
Pre Congress Course: Family-centred care	23
Pre Congress Course: Cohort Studies	24
Pre Congress Course: Near-infrared Spectroscopy	25
Wednesday, September 16th, 2015	27
Plenary Session: Welcome	27
Thursday, September 17th, 2015	28
Parallel Session: New ways for diagnostics and imaging lung diseases	28
Parallel Session: Ethics track I	29
Parallel Session: Systems medicine in neonatology	30
Parallel Session: Metabolism and nutrition track I	31
Parallel Session: Brain track I	32
Parallel Session: Care in neonates	33

Plenary Session: Stem cells	33
Poster Session: Brain 1	34
Poster Session: Circulation	36
Poster Session: Nutrition & Gastroenterology Poster session 1	40
Poster Session: Brain 2	42
Poster Session: Care, education and training in neonatology	44
Parallel Session: Antibiotic resistance & antibiotic stewardship	45
Parallel Session: Circulatory changes at birth and cardiovascular outcome	46
Parallel Session: Genetics track I	47
Parallel Session: Epidemiology track I	48
Parallel Session: Brain track II	49
Parallel Session: Dealing with death	50
Chairpersons: : <i>S.Mader</i> Munich, Germany; J. Latour Plymouth, UK	50
Plenary Session: Bengt Robertson Honorary	50
Satellite Symposium: TO THE NICU AND BEYOND	51
Friday, September 18th, 2015	52
Plenary Session: Young Investigator Prize session	52
Parallel session: Metabolism and nutrition track II	53
Parallel Session: New surfactants/surfactant protection	53
Parallel Session: Pharmacology and Antibiotics	54
Parallel Session: Pharmacology track I	55
Parallel session: Brain track III	55
Parallel Session: Patient-centred and developmentally supportive care	56
Poster Session: Brain 3	56
Poster Session: Epidemiology Poster Session 1	59

Poster Session: Pharmacology poster session	61
Poster Session: Neonatal transportation	62
Parallel Session: Brain track IV	63
Parallel Session: Microcirculation	64
Parallel Session: Genetics track II	65
Parallel Session: Epidemiology track II	65
Parallel Session: Human milk for the smallest: Breast-feeding in the NICU	67
Plenary Session:	67
Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?	68
Saturday, September 19th, 2015	69
ESN Business Meeting	69
Parallel Session: Metabolism and nutrition track III	69
Pulmonary Symposium: Respiratory support	71
Parallel Session: Infection track III	72
Parallel Session: Pharmacology track II	73
Parallel Session: Brain track V	73
Parallel Session: Blood pressure and autoregulation	74
IPRF Plenary Session	75
Satellite Symposium	75
Poster Session: Epidemiology Poster Session 2	76
Poster Session: Perinatal care	77
Poster Session: circulation 2	80
Poster Session: Nutrition and GASTROENTEROLOGY POSTER SESSION 2	82
Poster Session: Brain 4	84
Parallel Session: Epidemiology track III	88

Parallel Session: NICU design	89
<i>Chairpersons: D. Haumont</i> Brussels, Belgium; <i>B. Hallberg</i> Stockholm, Sweden	89
Parallel Session: Preterm-related diseases & inflammation	90
Parallel Session: Metabolism and nutrition track IV	91
Parallel Session: Brain track VI	92
Parallel Session: Communication with parents for neonatal professionals	93
<i>Chairpersons: S. Mader</i> Munich, Germany	93
Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - <i>Non-invasive detection of hemolysis</i>	94
<i>Chairperson: G. Buonocore</i> Siena, Italy	94
ESPR Business Meeting	94
Sunday, September 20th, 2015	95
Parallel Session: The prevention of Rh diseases: a Global Eradication Program	95
Parallel Session: Chronic lung disease and lung injury	95
Parallel Session: Pharmacology track III	96
Parallel Session: Brain track VII	97
Plenary Session: Closing Session	98
SPONSORIZED SESSIONS	99
Tuesday, September 15th, 2015	99
Pre Congress Course: ESN Course 1: Lung	99
Tuesday, September 15th, 2015	101
Pre Congress Course: Making it meaningful - Driving effective communication between preemie parents and professionals	101
Wednesday, September 16th, 2015	103
Pre Congress Course: ESN course 2: Brain MRI	103
Pre Congress Course: Near-infrared Spectroscopy	105

Thursday, September 17th, 2015	107
Plenary Session: Bengt Robertson Honorary	107
Satellite Symposium: TO THE NICU AND BEYOND	107
Friday, September 18th, 2015	108
Satellite Symposium: Appropriate Growth in Infancy – is it Simple to Achieve?	108
Saturday, September 19th, 2015	108
Pulmonary Symposium: Respiratory support	108
Saturday, September 19th, 2015	109
Satellite Symposium	109
Satellite Symposium: CoSense: Changing the Jaundice Management Paradigm - <i>Non-invasive detection of hemolysis</i>	110
<i>Chairperson: G. Buonocore Siena, Italy</i>	110

Tuesday, September 15th, 2015

09:00-17:00

HALL 1

Pre Congress Course: ESN Course 1: Lung

08:30 – 08:45 **WELCOME**

08:45 – 09:15 **THE PHYSIOLOGY OF BREATHING**

S. Hooper Monash, Australia

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

O. Danhaive

09:45 – 10:15 **SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS**

D. de Luca, Paris, France

10:15 -10:45 Coffee

10:45 – 12:15 **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION
MONITORING**

A. te Pas Leids, The Netherlands; C.C. Roehr Oxford, UK

**SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN
PRACTICE**

R. Hentschel Freiburg, Germany

12:15 -13:15 Lunch

13:15 -14:45 **WORKSHOPS 2 X 45 MIN**

SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE

L. Cattarossi Udine, Italy; F. Raimondi Naples, Italy

**SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR
INSURE?**

K. Bohlin Stockholm, Sweden; D. de Luca Paris, France

14:45 – 15:15 Coffee

15:15 – 15:45 **HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW**

A. Flemmer Munich, Germany

15:45 – 16:15 **NON-INVASIVE VENTILATION MODES: WHAT'S NEW AND WHAT DO WE KNOW?**

K. Bohlin Stockholm, Sweden

16:15 – 16:45 **PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY FAILURE**

O. Danhaive

16:45 – 17:00 **Evaluation and summary**

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

09:00-16:30

HALL 2

Pre Congress Course: Nurses

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 INTO 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 ...)

14:00-16:00

HALL 5

Pre Congress Course: Structuring presentations and posters

H. Küster Göttingen, Germany

Wednesday, September 16th, 2015

09:00-15:30

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

09:00-17:00

HALL 1

Pre Congress Course: Neonatal Transportation

08:30 – 09:00 Registration, coffee

Introduction and burning platforms in neonatal transportation

09:00 – 09:05 Introduction, practical information, agenda

M. Breindahl, Copenhagen, Denmark

09:05 – 09:30 Burning platforms in neonatal transportation, panel

M. Breindahl, Copenhagen, Denmark - M.Thio,

Melbourne, Australia - S. Broster, UK

Clinical experience No 1

09:30 – 10:00 ANTS, East of England

S. Broster, Cambridge, UK

10:00 – 10:15 Coffee break

Stabilization and treatment the sick newborn during retrieval

10:15 – 10:45 Ventilation principles, incl. NO & HFOV

D. Null, Utah, USA

10:45 – 11:15 Therapeutic hypothermia during transport based on the ice trial

M. Stewart, Melbourne, Australia

11:15 – 11:45 Panel discussion and reflection

D.Null, M. Stewart, M. Breindahl. Moderator: S. Broster

11:45 – 12:30 Lunch break

Clinical experience No 2

12:30 – 13:00 Neo-PETS, Copenhagen

M. Breindahl, Copenhagen, Denmark

Skills in triage, communication and prioritization

13:00 – 13:30 Triage in theory and praxis, prioritization of transport requests

M. Stewart, Melbourne, Australia

13:30 – 14:00 Communication with referring and receiving unit. Real-time benefit
and potential for training purposes

M.Thio, Melbourne, Australia

14:00 – 14:30 Panel discussion and reflection

M Stewart, M. Breindahl. Moderator: M. Thio

14:30 – 14:45 Coffee break

The importance of safety in transport

14:45 – 15:15 Safety issues for the infants and the transport staff, parents on
board?

M. S. Sanchez, Barcelona, Spain

Clinical experience No 3.

15:15 – 15:45 PIPER and the role of NETS in statewide neonatal education

M.Thio, Melbourne, Australia

Governance, legal aspects of transport medicine, education and training

15:45 – 16:15 Responsibilities – and grey areas

S. Broster, Cambridge, UK

16:15 – 16:45 Summary, panel discussion and next steps

M.S. Sanchez, M. Thio, S. Broster. Moderator: M. Breindahl

16:45 – 17:00 Evaluation of course, course certificates, group photo, goodbye

08:20-17:00

HALL 2

Pre Congress Course: ESN course 2: Brain MRI

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

08:30 - 09:15 **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**

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

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
- Netherlands

09:00-17:00

HALL 6

Pre Congress Course: Cohort Studies

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

9:15 - 10:15 The anatomy of cohort studies: basic concepts / TB Henriksen, CC Bach & Faculty

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

10:45 - 11:15 Coffee break

11:15 - 12:00 Causal directed acyclic graphs (DAGs), confounding, intermediate variables, and collider stratification bias / CC Bach

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

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

13:00 - 13:45 Lunch

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

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

15:00 - 15:30 Coffee break

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

16:15 - 17:00 Questions and follow-up on discussion / Faculty

09:00–17:00

HALL 7

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

T. Austin Cambridge, 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

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

Wednesday, September 16th, 2015

17:30–19:00

PLENARY HALL

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)

19:00-22:00

EXHIBITION & POSTER AREA

19:00-22:00 Welcome Reception

Thursday, September 17th, 2015

09:00-11:00

PLENARY HALL

Parallel Session: New ways for diagnostics and imaging lung diseases

Chairpersons: U. Schubert; D. de Luca, Paris, France

09:00-09:30 **4d ct of the lung**

S. Hooper Monash, Australia

09:30-10:15 **Functional applications of lung ultrasound to neonatal respiratory disease**

F. Raimondi Naples, Italy

Lung ultrasound and respiratory support

L. Cattarossi Udine, Italy

10:15-10:30 **Evaluation of physiological adaptation of the lung to postnatal life by lung ultrasound (ID741)**

M. Federici; M.G. Pattumelli; F. Feleppa; C. Gizzi; L. Massenzi; A.M. Giua; S. Sinibaldi; M. Massoud; P.V. Federici Rome, Italy

10:30-10:45 **Lung ultrasound diagnostic accuracy for pneumothorax in the suddenly decompensating neonate: an international, prospective study (ID389)**

F. Migliaro; X. Rodriguez Fanjul; N. Youssef; I. Corsini; S. Aversa; L. Grappone; F. Raimondi on behalf of the LUCI investigators Naples, Italy

10:45-11:00 **Non-invasive monitoring of oxygen in the lungs of newborn infants by diode laser (ID856)**

M. Larsson; P. Lundin; E. Krite Svanberg; J. Åkeson; K. Svanberg; S. Svanberg; S. Andersson-Engels; V. Fellman Lund, Sweden

09:00-11:00

HALL 1

Parallel Session: Ethics track I

Chairpersons: *G. Greisen* Copenhagen, Denmark; *D. Haumont* Brussels, Belgium

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: *P. Gressens Paris, France; A. Lapillonne Paris, France*

09:00-09:30 **What is systems medicine?**

O. Dammann Boston, USA

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: *M. Sánchez-Luna* Madrid, Spain; *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

09:00-11:00

HALL 5

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

11:30-12:30

PLENARY HALL

Plenary Session: Stem cells

Chairpersons: B. Kramer Maastricht, The Netherlands; 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**

13:30-15:00

PLENARY HALL

Poster Session: Brain 1

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

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

T. Benterud

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 (crSO₂)? (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. McEneaney ; 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. Mileder; 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

13:30-15:00

HALL 1

Poster Session: Circulation

Chair persons: G. Pichler Graz, Austria , A. El-Khuffash Dublin, Ireland

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. Urlesberger 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 PREMATURITY: 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

15:00 – 15:05 A PATENT DUCTUS ARTERIOSUS SEVERITY SCORE INCORPORATING MARKERS OF HAEMODYNAMIC SIGNIFICANCE AND LEFT VENTRICLE DIASTOLIC FUNCTION PREDICTS CHRONIC LUNG DISEASE (ID050)

A. EL-Khuffash; A.T. James; J.D. Corcoran; P. Dicker; O. Franklin, Y.N. Elsayed; J. Ting; A. Sehgal; a. Malikawi; A. Harabor; A.S. Soraisham; P.J. McNamara Dublin, Ireland

13:30-15:00

HALL 2

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. Lopriore⁴; 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. Uras¹; 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. Cavigioli; 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 CO₂ 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

13:30-15:00

HALL 3

Poster Session: Nutriion & Gastroenterology Poster session 1

Chairpersons: S. Arslanoglu *Izmir, 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

13:30-15:00

HALL 4

Poster Session: Brain 2

Chairpersons: *O. Dammann Boston; 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. Szpecht; M. Szymankiewicz; J. Gadzinowski Poznan, Poland

14:20 – 14:25 IMPAIRMENT OF OLIGODENDROGLIAL DEVELOPMENT IN VITRO AT 21 % O₂ IS ATTENUATED BY STABILIZATION OF HYPOXIA-INDUCIBLE FACTOR 1A (ID206)

C. Brill; R. Herrmann; C. Bühler; 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. Kerrn-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

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 antiseptis 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 thechnique of urine sampling of urinalysis result and contamination rate in neonatal period (ID739)**
M. Štimac; D. Kardum; M. Sipl; S. Pušeljić; V. Milas Osijek, Croatia

15:00-17:00

HALL 1

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. PichlerGraz, 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

15:00-17:00

HALL 2

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 Ancel Villejuif, France

15:20-15:35 **Perinatal outcome of pregnancy without antenatal care**

H. Orvos Szeged, Hungary

15:35-15:50 **Preterm delivery in hungary**

A. Beke Budapest, Hungary

15:50-16:15 **Is it time for an unified european neonatal network?**

M. Weindling Liverpool, UK; M. Turner 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

15:00-17:00 HALL 4

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

15:00-17:00

HALL 5

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

17:30-18:30

PLENARY HALL

Plenary Session: Bengt Robertson Honorary

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

17.30-18.00 **Bengt Robertson Award**

M. Hallman 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)

18:30-20:00

PLENARY HALL

Satellite Symposium: TO THE NICU AND BEYOND

Chairpersons: L. Zimmermann Maastricht, The Netherlands

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

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

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

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

Friday, September 18th, 2015

08:30-10:30

PLENARY HALL

Plenary Session: Young Investigator Prize session

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

08:30-09:00 **The endoplasmic reticulum stress**

W. Balduini Urbino, Italy

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

K. Goeral; G. Kasprian; C. Leeb; R. Fuiko; A. Berger 1; M. 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

11:00-12:30 PLENARY HALL

Parallel session: Metabolism and nutrition track II

Chairpersons: C. Poets Tübingen, Germany; C. Agostoni Milan, Italy

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

11:30-12:00 **Lactoferrin trials**
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

11:00-12:30 HALL 1

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

11:00-12:30

HALL 2

Parallel Session: Pharmacology and Antibiotics

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

11:00-11:30 **Use of antibiotics in european nicus**

W. Göpel/Luebeck, Germany

11:30-12:00 **Appropriate ab use**

I. Lutsar Tartu, Estonia

12:00-12:15 **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

12:15-12:30 **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

11:00-12:30

HALL 3

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

11:00-12:30

HALL 4

Parallel session: Brain track III

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

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

11:00-12:30

HALL 5

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

13:30-14:30

PLENARY HALL

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 HYPOTHERMIA ERA (ID796)

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

13:30-14:30

HALL 1

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

13:30-14:30

HALL 3

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. Tavošanská; 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

13:30-14:30

HALL 4

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

14:30-16:30

PLENARY HALL

Parallel Session: Brain track IV

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

14:30-15:00 **Effects of anesthetics on the developing brain of neonates: Focus on ketamine and remifentanyl**

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 Dublin, Ireland; 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 INFANT 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 Zeland

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

14:30-16:30

HALL 2

Parallel Session: Genetics track II

Chairpersons: *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*

14:30-16:30

HALL 3

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*

14:30-16:30

HALL5

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

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

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

H. van Goudoever **Amsterdam, The Netherlands**

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

N. Haiden **Vienna, Austria**

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

R. Flacking **Sweden**

16:00-16:30 **A preterm milk bank**

A. Flemmer **Munich, Germany**

17:00-18:00

PLENARY HALL

Plenary Session:

Chairpersons: *J. Neu* Gainsville, USA, 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**

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

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

Saturday, September 19th, 2015

08:00-09:00

HALL 1

ESN Business Meeting

09:00-11:00

PLENARY HALL

Parallel Session: Metabolism and nutrition track III

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

09:00-09:30 **Intestinal microbial ecology and environmental factors**

J. Neu Gainesville, USA

09:30-10:00 **Keynote Lecture: Early life gut-microbiome-brain interactions: implications for**

neurodevelopmental disorders

R. Diaz Hejtz 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

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 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)

09:00-11:00

HALL 2

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

09:00-11:00

HALL 3

Parallel Session: Pharmacology track II

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

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

09:00-11:00

HALL 4

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 α 1-microglobulin (α 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

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

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

12:30-13:30 HALL 4

Satellite Symposium

12:30-13:15 **Measuring Tissue Oxygenation with Cerebral/Somatic Oximetry- Invo on Neonatal patients in NICU**
B. Urfesberger Graz, Austria

13:15-13:30 **Questions and Answers**

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

13:30-15:00

PLENARY HALL

Poster Session: Epidemiology Poster Session 2

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
ADIPOSY 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. Wassenaar-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. Tsaj; 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

13:30-15:00

HALL 1

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. Domżalska-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

13:30-15:00

HALL 2

Poster Session: circulation 2

Chairpersons: S. *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

13:30-15:00

HALL 3

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; A. Olariu 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

13:30-15:00

HALL 4

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

13:30-15:00

HALL 5

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 Recent developments on causality in pediatric research

N.B. Matthiesen, C. C. Bach

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. Aufricht Vienna, Austria

15:45-16:00 Hypothermia and respiratory distress syndrome in premature infants (ID733)

C.F. Jensen; F. Ebbesen; J.P. Petersen; A.S. Sørensen; C.C. Bach; T.B. Henriksen Aarhus, Denmark

16:00-16:15 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. Bologna; 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

15:00-17:00

HALL 1

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. Damman; 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**

O. Claris, Lyone, France

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*

17:30-19:00

PLENARY HALL

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 ...)

17:30-18:30

HALL 1

ESPR Business Meeting

Sunday, September 20th, 2015

09:00-11:00

PLENARY HALL

Parallel Session: The prevention of Rh diseases: a Global Eradication Program

***Chairpersons: G. Buonocore* Siena, Italy; *A. Zipursky* Toronto, Canada**

09:00-09:30

The global problem of Rh hemolytic disease of newborns

***A. Zipursky* Toronto, Canada**

09:30-10:00

The creation of a global program for the prevention of rh diseases

***V. Bhutani* Stanford, USA**

10:00-10:15

Utilities for disability in a developing country: provider perspectives (ID338)

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

10:15-10:30

Global Prevention of Rh-sensitization: An interactive, community-centered social platform (ID894)

***A.R. Stark; J.Y. Hall; A. Zipursky; V.K. Bhutani* Stanford, USA**

10:30-10:45

Feasibility of using the eldon card in the peripartum diagnosis of rh incompatibility between mothers and their newborns (ID419)

***B.Q. Goka; S.A. Obed; A.B. Akwasi-Kumah; I.O. Koranteng; M.A. Nuamah; V. Beyuo; S.A. Oppong; M. Torto* Accra, Ghana**

10:45-11:00

Point-of -Care detection of Rh negative pregnant women for the prevention of Rh iso –immunization (ID808)

***K.J. Hedegaard* Denmark**

09:00-11:00

HALL 1

Parallel Session: Chronic lung disease and lung injury

***Chairpersons: K. Bohlin* Stockholm, Sweden; *I. Kocsis* Budapest, Hungary**

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

09:00-11:00

HALL 3

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

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

11:30-13:00

PLENARY HALL

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 15th, 2015

09:00-17:00

HALL 1

Pre Congress Course: ESN Course 1: Lung

08:30 – 08:45 **WELCOME**

08:45 – 09:15 **THE PHYSIOLOGY OF BREATHING**

S. Hooper Monash, Australia

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

O. Danhaive

09:45 – 10:15 **SURFACTANT: FROM BIOLOGY TO CLINICAL INDICATIONS**

D. de Luca Paris, France

10:15 -10:45 Coffee

10:45 – 12:15 **WORKSHOPS 2 X 45 MIN**

**SKILLS STATION 1 - DR VENTILATION AND RESPIRATORY FUNCTION
MONITORING**

A. te Pas Leids, The Netherlands; C.C. Roehr Oxford, UK

**SKILLS STATION 2 - CONVENTIONAL MECHANICAL VENTILATION IN
PRACTICE**

R. Hentschel Freiburg, Germany

12:15 -13:15 Lunch

13:15 -14:45 **WORKSHOPS 2 X 45 MIN**

SKILLS STATION 3 - ULTRASOUND OF THE LUNG IN PRACTICE

L. Cattarossi Udine, Italy; F. Raimondi Naples, Italy

**SKILLS STATION 4 – SURFACTANT ADMINISTRATION – MIST, LISA OR
INSURE?**

K. Bohlin Stockholm, Sweden; D. de Luca, Paris, France

14:45 – 15:15 Coffee

15:15 – 15:45 **HIGH FREQUENCY OSCILLATORY VENTILATION – WHAT, WHEN AND HOW**

A. Flemmer Munich, Germany

15:45 – 16:15 **NON-INVASIVE VENTILATION MODES: WHAT'S NEW AND WHAT DO WE
KNOW?**

K. Bohlin Stockholm, Sweden

16:15 – 16:45 **PULMONARY CIRCULATION MANAGEMENT IN NEONATAL RESPIRATORY
FAILURE**

O. Danhaive

16:45 – 17:00 **Evaluation and summary**

“Supported by an unrestricted educational grant by Chiesi”

Tuesday, September 15th, 2015

09:00-17:00

HALL 1

Pre Congress Course: Making it meaningful - Driving effective communication between 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”

Wednesday, September 16th, 2015

08:20-17:00

HALL 2

Pre Congress Course: ESN course 2: Brain MRI

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

08:30 - 09:15 **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**

“Supported by an unrestricted educational grant by Chiesi”

09:00–17:00

HALL 7

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

T. Austin Cambridge, 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

“Supported by an unrestricted educational grant by Hamamatsu”

Thursday, September 17th, 2015

17:30-18:30

PLENARY HALL

Plenary Session: Bengt Robertson Honorary

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

17.30-18.00 **Bengt Robertson Award**

M. Hallman *Oulu, Finland*

18.00 -18.30 **lung ultrasound as a predictor of mechanical ventilation in neonates older than 32 weeks (ID399)**

J. Rodríguez-Fanjul; C. Balcells; V. Aldecoa-Bilbao; J. Moreno; M. Iriondo Barcellona, Spain

“Supported by an unrestricted educational grant by Chiesi”

18:30-20:00

PLENARY HALL

Satellite Symposium: TO THE NICU AND BEYOND

Chairpersons: *L. Zimmermann Maastricht, The Netherlands*

18:30-19:00 **BPD – Is there a ripple effect?**

J. Hascoet France

19:00-19:30 **Surfactant Dose - Another Perspective**

D. de Luca, Paris, France

19:30-20:00 **The Late Preterms: Are They On Our Radar?**

E. Boyle, UK

“Supported by an unrestricted educational grant by Chiesi”

Friday, September 18th, 2015

18:00-19:30

PLENARY HALL

Satellite Symposium: 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 19th, 2015

09:00-11:00

HALL 1

Pulmonary Symposium: Respiratory support

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

09:00-09:25 **Non invasive hfov**

D. de Luca, Paris, France

09:25-09:50 **Non invasive ventilation**

C. Moretti Rome, Italy

09:50-10:15 **Volume guarantee (vg) ventilation**

M. Sánchez-Luna Madrid, Spain

10:15-10:30 **Volume guarantee on high frequency oscillatory ventilation in prterm infants: is it new lung protective strategy? (ID306)**

B. Iscan; N. Duman; F. Tuzun; A. Kumral; H. Ozkan Izmir, Turkey

10:30-10:45 **Extubate: a randomised controlled trial of nasal biphasic positive airway pressure vs. Nasal continuous positive airway pressure following extubation in infants less than 30 weeks' gestation (ID039)**

S. Victor; S.A. Roberts; S.J. Mitchell; on behalf of Extubate Trial Group Manchester, UK

10:45-11:00 **Interventions to improve rates of extubation success in preterm infants: a systematic review of the evidence (ID163)**

K. Ferguson; C. Roberts; B. Manley; P. Davis Melbourne, Australia

“Supported by an unrestricted educational grant by Chiesi”

Saturday, September 19th, 2015

12:30-13:30

HALL 4

Satellite Symposium

12:30-13:15 **Measuring Tissue Oxygenation with Cerebral/Somatic Oximetry- Invo on Neonatal patients in NICU**

B. Urflesberger Graz, Austria

13:15-13:30 **Questions and Answers**

“Supported by an unrestricted educational grant by Medtronic”

17:30-19:00

PLENARY HALL

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”