

54th Annual Meeting European Society for Paediatric Research

Porto, October 10th - 14th 2013

Centros de Congressos da Alfândega do Porto

Scientific Program

Luc Zimmermann
President of the Congress

Gorm Greisen
Chair Program Committee

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Wednesday, October 9th, 2013

09:00-17:00

S. JOAO HALL

ESN Course 1 - Stabilization of the preterm infant after birth

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|-------------|---|
| 09:00-09:10 | WELCOME AND INTRODUCTION
<i>M. Thio Melbourne, Australia</i> |
| 09:10-09:35 | WHAT DO WE KNOW ABOUT RESPIRATORY AND CIRCULATORY TRANSITION AFTER BIRTH?
<i>A. te Pas Leiden, The Netherlands</i> |
| 09:35-10:00 | WHAT DO WE KNOW ABOUT CLINICAL IMPACT OF DELAYED CORD CLAMPING?
<i>H. Rabe Brighton, United Kingdom</i> |
| 10:00-10:30 | <i>Coffee break</i> |
| 10:30-12:15 | WORKSHOP 1 - RESUSCITATION OF PRETERM INFANT IN THE DR: CASE SCENARIOS AND DEBRIEFING
<i>C. C. Roehr Melbourne, Australia - M. Thio Melbourne, Australia</i> |
| 12:15-13:00 | <i>Lunch</i> |
| 13:00-15:00 | WORKSHOP 2 - GENERAL MANAGEMENT IN THE FIRST GOLDEN HOUR: RESPIRATORY SUPPORT, UMBILICAL CATHETERISATION, FLUIDS, TEMPERATURE, MONITORING
All speakers |
| 15:00-15:30 | <i>Coffee break</i> |
| 15:30-16:15 | UPDATE ON STRATEGIES FOR SURFACTANT DELIVERY IN THE FIRST HOURS AFTER BIRTH
<i>P. Dargaville Hobart, Australia</i> |
| 16:15-16:45 | THE NICU ENVIRONMENT FROM ADMISSION, FAMILY BONDING AND COUNSELING
<i>G. Greisen Copenhagen, Denmark</i> |
| 16:45-17:00 | SUMMING UP OF THE DAY AND CLOSE |

Course sponsored by unconditional grant by Chiesi

09:00-17:00

MIRAGAIA HALL

**iVENTPRO Basic Course - The basics in ventilation of the neonate (1st International Edition)
Day 1**

- | | |
|-------------|--|
| 09:00-09:30 | OVERVIEW OF VENTILATORY TECHNIQUES AND DEVICES
<i>D. De Luca Paris, France/Rome, Italy</i> |
| 09:30-10:00 | HANDS ON WORKSTATION 1: DIFFERENCES BETWEEN CONVENTIONAL MODALITIES
<i>D. De Luca Paris, France/Rome, Italy</i> |
| 10:00-10:30 | Coffee break |
| 10:30-11:00 | VOLUTRAUMA, BAROTRAUMA, BIOTRAUMA, VILI: CONCEPTS
<i>A.H.L.C. Van Kaam Amsterdam, The Netherlands</i> |
| 11:00-12:30 | HANDS ON WORKSTATION 2: ENDOTRACHEAL SUCTIONING AND TUBE CARE
<i>M. Tinnevelt Utrecht, The Netherlands</i> |
| 12:30-14:00 | Lunch |
| 14:00-14:30 | BASIC MONITORING DURING MECHANICAL VENTILATION
<i>M. Tinnevelt Utrecht, The Netherlands</i> |
| 14:30-16:30 | HANDS ON WORKSTATION 3: GAS ANALYSIS AND WAVEFORMS, HOW TO INTERPRET THEM
<i>M. Tinnevelt Utrecht, The Netherlands</i> |
| 16:30-17:00 | OPTIMAL WEANING FOR MECHANICAL VENTILATION
<i>A.H.L.C. Van Kaam Amsterdam, The Netherlands</i> |

Thursday, October 10th, 2013

09:00-17:00

S. JOAO HALL

ESN Course 2 - Nutrition and Gastroenterology

09:00-09:15	INTRODUCTION <i>M. Domellöf Umea, Sweden</i>
09:15-10:00	EARLY NUTRITION, GROWTH AND LATER OUTCOME <i>R. Ehrenkranz New Haven, United States of America</i>
10:00-10:45	ASSESSMENT OF NUTRITIONAL STATUS <i>N. Embleton New Castle, United Kingdom</i>
10:45-11:00	<i>Coffee break</i>
11:00-11:45	PARENTERAL NUTRITION <i>H. van Goudoever Amsterdam, The Netherlands</i>
11:45-12:30	ENTERAL NUTRITION <i>M. Domellöf Umea, Sweden</i>
12:30-13:30	<i>Lunch</i>
13.30-13.45	GROUP SESSION I All Speakers
13:45-14:30	GROUP SESSION II All Speakers
14:30-15:00	<i>Coffee break</i>
15:00-15:45	GROUP SESSION III All Speakers
15:45-16:30	GROUP SESSION IV All Speakers
16:30-17:00	SUMMARY <i>M. Domellöf Umea, Sweden</i>

Course sponsored by unconditional grant by Chiesi

09:00-17:00

PORTO HALL

ESPR course 1 - Circulation

09:00-09:45	HAEMODYNAMIC PHYSIOLOGY <i>W. de Boode Nymegen, The Netherlands</i>
09:45-10:30	MONITORING THE MICROCIRCULATION <i>A. Top Steelehouse Lane, United Kingdom</i>
10:30-10:50	<i>Coffee Break</i>
10:50-11:35	MONITORING THE MACROCIRCULATION <i>W. de Boode Nymegen, The Netherlands</i>
11:35-12:20	CEREBRAL HAEMODYNAMICS <i>T. Austin Cambridge, United Kingdom</i>
12:20-13:15	<i>Lunch Break</i>
13:15-14:00	METHODOLOGICAL LIMITATIONS <i>G. Greisen Copenhagen, Denmark</i>
14:00-14:45	FUNCTIONAL ECHOCARDIOGRAPHY <i>S. Noori Los Angeles, United States of America</i>
14:45-15:05	<i>Coffee Break</i>
15:05-15:50	PULMONARY HYPERTENSION IN CONGENITAL DIAPHRAGMATIC HERNIA <i>J. Correia-Pinto Braga, Portugal</i>
15:50-16:35	MANAGEMENT OF NEONATAL SHOCK/HYPOTENSION <i>S. Noori Los Angeles, United States of America</i>
16:35-17:00	FINAL DISCUSSION AND CONCLUSION <i>W. de Boode Nymegen, The Netherlands</i>

09:00-17:00

ARRABIDA HALL

ESPR course 2 - Meet the ventilator

09:00-09:05	WELCOME <i>K. Bohlin Stockholm, Sweden</i>
09:05-09:50	MODES AND MECHANICS - WHAT CAN VENTILATORS DO AND HOW? <i>U. Thome Leipzig, Germany</i>
09:50-10:10	<i>Coffee Break</i>
10:10-11:30	PRACTICAL SESSIONS 1. <i>R. Hentschel Hamburg, Germany</i> 2. <i>C. C. Roehr Melbourne, Australia</i> <i>K. Bohlin Stockholm Sweden</i> 3. <i>A. te Pas Leiden, The Netherlands</i> <i>A.H.L.C. Van Kaam, Amsterdam, The Netherlands</i> 4. <i>U. Thome Leipzig, Germany</i>
11:30-12:10	PITFALLS WHEN USING VENTILATOR NIPPV/CPAP INSTEAD OF A CPAP DEVICE <i>A. te Pas Leiden, The Netherlands</i>
12:10-13:10	<i>Lunch</i>
13:10-13:40	SERVO-I WITH NAVA <i>P. Rimensberger Geneva, Switzerland</i>
13:40-15:00	PRACTICAL SESSIONS
15:00-15:20	<i>CoffeeBreak</i>
15:20-15:50	TRANSPORT VENTILATORS <i>C. C. Roehr Melbourne, Australia</i>
15:50-16:20	TIME TO CHOOSE - IMPORTANT FACTORS TO CONSIDER WHEN TO PICK YOUR NEXT VENTILATOR <i>J. Pillow Crawley, Australia</i>
16:20-16:50	PANEL DISCUSSION <i>All faculty</i>
16:50-17:00	CLOSING REMARKS AND EVALUATION <i>K. Bohlin Stockholm, Sweden</i>

09.00-17.00

D. LUIS HALL

ESPR course 3 - Epidemiology

8:00-9:00	CONFUSION OR COLLIDER BIAS: WHAT IS IT AND HOW TO DEAL WITH IT? <i>P. Truffert Lille, France</i>
9:00-10:00	HOSPITAL OR POPULATION BASED STUDIES: WHAT ABOUT SELECTION BIAS? <i>M. Cuttini Rome, Italy</i>
10:00-10:30	<i>Coffee Break</i>
10:30-11:30	HANDS ON JOURNAL CLUB
11:30-12:30	META ANALYSIS OF RANDOMIZED STUDIES: FOLLOW THE STEPS FOR PLANNING AND READING ONE <i>L. Gagliardi Lido di Camaiore, Italy</i>
12:30-13:30	<i>Lunch</i>
13:30-14:30	META ANALYSIS OF COHORT STUDIES: FROM THE LIMITS TO THE INTEREST <i>A. K. Edstedt Bonamy Stockholm, Sweden</i>
14:30-15:30	HANDS ON JOURNAL CLUB
15:30-16:00	<i>Coffee Break</i>
16:00-17:00	PROPENSITY SCORE: CAN WE EVALUATE AN INTERVENTION IN COHORT STUDIES? <i>P. Truffert Lille, France</i>
17:00-18:00	LOST TO FOLLOW UP: HOW CAN MULTIPLE IMPUTATION HELP? <i>EPICURE team United Kingdom</i>

09:00-17:00

MIRAGAIA HALL

**iVENTPRO Basic Course - The basics in ventilation of the neonate (1st International Edition)
Day 2**

09:00-09:30	BASICS OF NON-CONVENTIONAL MODALITIES (HFOV, HFJV, HFPV, PAV, LIQUID VENTILATION) <i>J. Pillow Crawley, Australia</i>
09:30-10:00	VENTILATION IN RESTRICTIVE RESPIRATORY PATTERN <i>P. Rimensberger Geneva, Switzerland</i>
10:00-10:30	<i>Coffee break</i>
10:30-11:15	HANDS ON WORKSTATION 4: RESTRICTIVE PATTERN SIMULATION <i>P. Rimensberger Geneva, Switzerland</i>
11:15-11:45	VENTILATION IN OBSTRUCTIVE RESPIRATORY PATTERN <i>P. Rimensberger Geneva, Switzerland</i>
11:45-12:30	HANDS ON WORKSTATION 5: OBSTRUCTIVE PATTERN SIMULATION <i>P. Rimensberger Geneva, Switzerland</i>
12:30-13:30	<i>Lunch break</i>
13:30-16:45	BASICS ABOUT PATIENT VENTILATOR-INTERACTION <i>S. Essouri Paris France / Montreal, Canada</i>
16:45-17:00	CLOSING REMARKS

Thursday, October 10th, 2013

18:00-18:45	ARCHIVE HALL
Plenary Session: Welcome <i>Chairpersons: G. Greisen Copenhagen, Denmark - M.T. Neto Lisbon, Portugal</i>	
18:00-18:45	DEVELOPMENT OF EXECUTIVE FUNCTIONS A. Diamond Vancouver, Canada
18:45-22:00	EXHIBITION & POSTER AREA
18:45-22:00	Welcome Reception

Friday, October 11th, 2013

09:00-10:55

D. MARIA HALL

Parallel Session: Nutrition, Metabolism and Gastroenterology Track

Chairpersons: N. Embleton New Caste, United Kingdom - G. Zachariassen Odense, Denmark

- 09:00-09:25 **Key Note Lecture: LONG TERM EFFECTS OF IMPROVED EARLY NEONATAL NUTRITION**
R. Ehrenkranz *New Haven, United States of America*
- 09:25-09:40 **PREVENTING EARLY POSTNATAL HEAD GROWTH FAILURE IN VERY PRETERM INFANTS: THE RANDOMISED CONTROLLED SCAMP NUTRITION STUDY**
C. Morgan (1); P. McGowan (1); S. Herwitker (2); A. Hart (3); M. Turner (4)
(1,2,4) *Liverpool, United Kingdom*; (3) *Lancaster, United Kingdom*
- 09:40-09:55 **STANDARDISING PRETERM INFANT NUTRITION - OPTIMISING NUTRITION AND GROWTH IN PRETERM INFANTS USING AN EVIDENCE-BASED COMPLEX INTERVENTION**
M. Johnson (1,2); J. P. Pond (1,2); F. Pearson (2); A. Emm (3); A. A. Leaf (1,2)
(1,2,3) *Southampton, United Kingdom*
- 09:55-10:10 **EFFECT OF PROTEIN AND ENERGY INTAKE ON NEURODEVELOPMENTAL OUTCOME OF VLBW INFANTS**
M. L. Gianni; P. Roggero; O. Amato; N. Liotto; F. Taroni; P. Piemontese; O. Picciolini;
F. Garbarino; F. Mosca
Milan, Italy
- 10:10-10:25 **LOW ENERGY INTAKE DURING THE FIRST FOUR WEEKS OF LIFE INCREASES THE RISK OF SEVERE ROP IN EXTREMELY PRETERM INFANTS**
M. Domellöf (1); E. Stoltz-Sjöström (1); I. Öhlund (1); A. Hellström (2); G. Holmström (3); the Nutrium Express study group
(1) *Umea, Sweden*; (2) *Goteborg, Sweden*; (3) *Uppsala, Sweden*
- 10:25-10:40 **THE POSTNATAL GROWTH OF PRETERM INFANTS (PI) WITH BRONCHOPULMONARY DYSPLASIA (BPD) IS NOT INFERIOR TO THAT OF BIRTH WEIGHT (BW) AND GESTATIONAL AGE (GA) MATCHED CONTROLS RECEIVING SIMILAR MACRONUTRIENT AND ENERGY INTAKES: A CASE-CONTROL STUDY.**
M. P. Bellagamba (1); M. Malatesta (1); S. Nobile (1); C. Biagetti (1); R. D'Ascenzo (1); C. Spagnoli (1); P. E. Cogo (2); V. P. Carnielli (1)
(1) *Ancona, Italy*; (2) *Rome, Italy*
- 10:40-10:55 **LOW SERUM ADIPONECTIN CONCENTRATIONS ARE ASSOCIATED WITH POSTNATAL GROWTH RETARDATION IN VERY PRETERM INFANTS**
I. Hansen-Pupp (1); G. Hellgren (2); A. L. Hard (2); A. Hellström (2); C. Löfqvist (2)
(1) *Lund, Sweden*; (2) *Gothenburg, Sweden*

09:00-10:55

NOBLE HALL

Parallel Session: Brain and Development track I

Chairpersons: U. Felderhoff-Müser Essen, Germany - B. Hallberg Huddinge, Sweden

- 09:00-09:25 **Key Note Lecture: TERTIARY BRAIN INJURY: A NEW HOPE FOR TREATING PERINATAL BRAIN DAMAGE?**
P. Gressens Paris, France/United States of America
- 09:25-09:40 **EXPRESSION AND LOCALIZATION OF AQUAPORIN 1 AND 5 IN THE CHOROID PLEXUS FOLLOWING PRETERM INTRAVENTRICULAR HAEMORRHAGE.**
S. Sveinsdottir (1); M. Gram (2); M. Mörgelin (2); B. Akerström (2); D. Ley (1) (1,2) Lund, Sweden
- 09:40-09:55 **AGONIST-INDUCED NEUROGENESIS RESTORATION AND COGNITIVE IMPROVEMENT IN A MODEL OF CHOLINERGIC DENERVATION**
M. Rogido (1,2); M. Albedri (2); D. Nair (2); J. Pacheco-Quinto (2); S. Xu (2); H. Peng (2); E. Eckman (1,2) (1) Morristown, United States of America; (2) Hanover, United States of America
- 09:55-10:10 **MSC-DERIVED EXOSOMES: IMMUNOMODULATORY AND NEUROPROTECTIVE EFFECTS ON INFLAMMATION-INDUCED PRETERM BRAIN INJURY**
K. Drommelschmidt (1); S. Prager (1); I. Bendix (1); M. Serdar (1); M. Keller (2); F. Bertling (1); A. K. Ludwig (3); S. Radtke (3); P. Horn (3); B. Giebel (3); U. Felderhoff-Müser (3) (1,3) Essen, Germany; (2) Passau, Germany
- 10:10-10:25 **INTERACTION OF INFLAMMATION AND HYPEROXIA IN A RAT MODEL OF NEONATAL WHITE MATTER DAMAGE**
B. S. Reinboth (2); F. Brehmer (1); I. Bendix (2); S. Prager (2); Y. van de Looij (3,4); J. Zimmermanns (1); G. W. Schlager (2); D. Brait (2); M. Sifringer (5); S. Endesfelder (1); S. Sizonenko (3); C. Mallard (6); C. Bühner (1); U. Felderhoff-Müser (2); B. Gerstner (7) (1,5) Berlin, Germany; (2) Essen, Germany; (3) Geneva, Switzerland; (4) Lausanne, Switzerland; (6) Gothenburg, Sweden; (7) Giessen, Germany
- 10:25-10:40 **DOCOSAHEXANOIC ACID (DHA) ATTENUATES CASPASE-3 ACTIVITY AFTER HYPOXIA-REOXYGENATION AND MAY HAVE NEUROPROTECTIVE PROPERTIES. A STUDY IN NEWBORN PIGLETS.**
R. Solberg (1); T. Einar Calisch (1); O. D. Saugstad (1) Oslo, Norway
- 10:40-10:55 **INVOLVEMENT OF AUTOPHAGY IN HYPOXIC-EXCITOTOXIC NEURONAL CELL DEATH**
V. Ginet (1,2); A. Spiehlmann (1); C. Rummel (1); A. C. Truttmann (2); J. Puyal (1) (1,2) Lausanne, Switzerland

09:00-10:55

INFANTE HALL

Parallel Session: Pulmonology track I

Chairpersons: R. Hentschel Freiburg, Germany - K. Bohlin Stockholm, Sweden

- 09:00-09:25 **Keynote Lecture: PREDICTION OF LONG-TERM PULMONARY OUTCOME**
C. C. Roehr Melbourne, Australia
- 09:25-09:40 **NEW BRONCHOPULMONARY DYSPLASIA AS PREDICTOR OF LUNG FUNCTION AT SCHOOL AGE**
E. Ronkainen; T. Dunder; M. Hallman (1,2) Oulu, Finland
- 09:40-09:55 **VENTILATION-PERFUSION SPECT AND LUNG FUNCTION IN 10 YEAR OLD CHILDREN WITH BRONCHOPULMONARY DYSPLASIA**

M. Kjellberg (1); E. Berggren Broström (1); J. Konradsen (1); A. Sanchez-Crespo (2); B. Jonsson (1)
(1,2) *Stockholm, Sweden*

09:55-10:10 **A NOVEL ASSOCIATION BETWEEN YKL-40, A MARKER FOR STRUCTURAL LUNG DISEASE, AND SHORT TELOMERE LENGTH IN 10-YEAR OLD CHILDREN WITH BPD**
E. Henckel (1,2); A. James (3,4); J. R. Konradsen (2,3); B. Nordlund (2,3); C. Ebersjö (6); E. Berggren-Broström (6); G. Hedlin (2,3,4); K. Bohlin (1,2)
(1,2,3,4) *Stockholm, Sweden*

10:10-10:25 **COMBINED ADVERSE NEONATAL OUTCOME (DEATH OR SURVIVAL WITH SEVERE INTRAVENTRICULAR HEMORRHAGE (IVH) AND/OR CRHONIC LUNG DISEASE (CLD) IN VERY-LOW-GESTATIONAL AGE (VLGA) INFANTS. A EURONEONET STUDY**
A. Valls-i-Soler; A. Azpeitia on behalf of the European Neonatal Network (EuroNeoNet)
Barakaldo, Spain

10:25-10:40 **PERMISSIVE HYPERCAPNIA FOR EXTREMELY LOW BIRTHWEIGHT INFANTS - A RANDOMISED CONTROLLED MULTICENTRE TRIAL**
U.Thome; O. Genzel-Boroviczény; B. Bohnhorst; O. Rohde; H. Fuchs; S. Avenarius; H.G. Topf; A. Zimmermann; D. Faas; K. Timme; B. Kleinlein; H. Buxmann; W. Schenk; H. Segerer; N. Teig; R. Hentschel; W. Lindner; G. Hansen; E. Cloppenburg; G. Jorch; M. Schroth; M. Heckmann; R. Rossi; J. Peters; R. Schlößer; J. Seidenberg; W. Rascher; P. Neuhaus; M. Zernickel; G. Alzen (D. Gießen); J. Dreyhaupt (D. Ulm); R. Muche; H. Hummler
Munich, Germany; Hannover, Germany; Oldenburg, Germany; Ulm, Germany; Magdeburg, Germany; Erlangen, Germany; Giessen, Germany; Berlin, Germany; Frankfurt, Germany; Augsburg, Germany; Regensburg, Germany; Bochum, Germany; Freiburg, Germany; Leipzig, Germany

10:40-10:55 **HIGH-FLOW NASAL CANNULAE VS. NASAL CPAP FOR POST-EXTUBATION RESPIRATORY SUPPORT OF VERY PRETERM INFANTS: A MULTICENTRE, RANDOMISED, NON-INFERIORITY TRIAL.**
B. Manley (8); L. Owen (1,3); L. Doyle (2,3); C. Andersen (4); D. Cartwright (5,6); M. Pritchard (5,7); S. Donath (2,3); P. Davis (1,3)
(1,2,3) *Melbourne, Australia*; (4) *Adelaide, Australia*; (5,6,7) *Brisbane, Australia*; (8) *Parkville, Australia*

09:00-10:55

ARRABIDA HALL

Parallel Session: Circulation, Oxygen Transport and Haematology track

Chairpersons: A. Pellicer Madrid, Spain - S. Noori Los Angeles, United States of America

09:00-09:25 **Keynote Lecture: PULMONARY HYPERTENSION AND DIAPHRAGMATIC HERNIA**
J. Correia-Pinto *Braga, Portugal*

09:25-09:40 **RANDOMIZED CONTROLLED TRIAL TO ASSESS THE EARLY USE OF EXOGENOUS SURFACTANT IN COMBINATION WITH INHALED NITRIC OXIDE IN THE TREATMENT OF NEWBORNS WITH HYPOXEMIC RESPIRATORY FAILURE**
A. González (1); A. Bancalari (2); W. Osorio (3); A. González (4); H. Perez (5); J. Kattan (1)
(1,2,3,4,5) *Santiago, Chile*

- 09:40-09:55 **USE OF INHALED NITRIC OXIDE FOR HYPOXAEMIC RESPIRATORY FAILURE: A FIVE-YEAR STUDY**
S. Ogden; F. Callaghan; F. Paize; N. V. Subhedar
Liverpool, United Kingdom
- 09:55-10:10 **USING INHALED NITRIC OXIDE IN PRETERM INFANTS - DOES IT MATTER?**
N. Caiger; P. Satodia
Leamington Spa, United Kingdom
- 10:10-10:25 **BRONCHOPULMONARY DYSPLASIA AND PULMONARY HYPERTENSION IN PRETERM INFANTS: A NEW THERAPEUTIC APPROACH.**
C. Grasso (1); P. Betta (2); C. Mattia (2); V. Giacchi (1); G. Schiavone Giacco (1); P. Sciacca (3)
(1,2,3) Catania, Italy
- 10:25-10:40 **ADRENOMEDULLIN DECREASES PROLIFERATION AND APOPTOSIS OF CULTURED HUMAN FETAL PULMONARY ARTERY SMOOTH MUSCLE CELLS**
C. Ramos (1); X. Sun (1); L. Gonzalez Bosc (2)
(1,2) Albuquerque, NM, United States of America
- 10:40-10:55 **DUCTAL SIZE AND PEAK SYSTOLIC TO DIASTOLIC FLOW VELOCITY RATIO WITHIN 48HRS OF LIFE ARE ASSOCIATED WITH DUCTAL PATENCY IN VERY PRETERM INFANTS??**
A. Smith; M. Maguire; E. Dempsey
Cork, Ireland

09:00-10:45

D. LUIS HALL

Parallel Session: Epidemiology track

Chairpersons: Luigi Gagliardi *Lucca, Italy* - A. K. Edstedt Bonamy *Stockholm, Sweden*

- 09:00-09:15 **INTRAUTERINE GROWTH RESTRICTION AS A RISK FACTOR FOR DEVELOPING NEONATAL SEPSIS**
S. Delic-Bikic (1); S. Uzunovic-Kamberovic (2); L. Dzidic-Hukeljic (3); J. Mehinagic (4); E. Smajlovic (4)
(1,2,3,4) Freudenstadt, Germany
- 09:15-09:30 **INFLAMMATORY AND INATE IMMUNE RESPONSE IN TERM NEWBORN WITH LATE ONSET SEPSIS**
A. C. Costa Redondo (1); M. E. Jurfest Rivero Ceccon (2); C. Quinello (3); A. L. Lessa (4); M. C. Sampaio (5); P. Palmeira (6); W. B. De Carvalho (7)
Sao Paulo, Brazil
- 09:30-09:45 **EARLY DIAGNOSIS OF NEONATAL SEPSIS. ROLE OF PCT VERSUS "CLASSICAL MARKERS"**
N. Koliçi (1); E. Tushe (1); E. Foto (2); E. Nelaj (3)
Tirana, Albania
- 09:45-10:00 **COLONIZATION STUDIES: ARE THEY OF ANY VALUE? THE AUDIT OF A REFERRAL TERTIARY NICU**
M. T. Neto; D. Virella; M. Serelha
Lisboa, Portugal

- 10:00-10:15 **EPIDEMIOLOGY AND DIFFERENTIAL RISK FACTORS FOR COLONIZATION BY COMMUNITY-ASSOCIATED AND HEALTHCARE-ASSOCIATED MRSA IN NICU PATIENTS, PALERMO, ITALY, 2009-2012**
M. Giuffrè; C. Bonura; D. M. Geraci; G. Corsello; C. Mammina
Palermo, Italy
- 10:15-10:30 **UPTAKE OF 'MATCHING MICHIGAN'-TYPE CATHETER CARE BUNDLES IN UK NEONATAL UNITS AND IMPACT ON NEONATAL SKIN ANTISEPTIC USE**
T. Heron; C. Faraday; P.G. Clarke
Norwich, United Kingdom
- 10:30-10:45 **THE UGT1A1*28 ALLELE AND ACUTE LYMPHOBLASTIC LEUKAEMIA IN CHILDHOOD, A NATIONAL DANISH CASE-CONTROL STUDY.**
J. Padkær Petersen (1), K. Overvad(2), M. V. Hollegaard(3), F. Ebbesen(4), T. Brink Henriksen(1), O. Thorlacius-Ussing(5), H. Schrøder(1).
(1,2) Aarhus, Denmark; (3) København S, Denmark; (4,5) Aalborg, Denmark

10:45-11:00 **MIRAGAIA HALL**

Epidemiology Section Business Meeting - All are welcome, but only members can vote

11:00-11:30 Coffee Break

11:30-12:30 **ARCHIVE HALL**

Plenary Session: Neonatal networks

Chairpersons: L. Zimmermann Maastricht, The Netherlands - M.R. Carrapato Porto, Portugal

- 11:30-11:35 **OPENING WORDS**
M. R. Carrapato Porto, Portugal
L. Zimmermann Maastricht, The Netherlands
- 11:35-12:00 **EUROPEAN NEONATAL NETWORKS: PLATFORMS FOR CLINICAL RESEARCH**
A. Valls-i-Soler Bilbao, Spain
- 12:00-12:30 **CHANGING THE PARADIGM FOR IMPROVING NEONATAL CARE**
S. Lee Toronto, Canada
- 12:30-12:55 *Pick-up Lunch*

13:00-14:25

D. LUIS HALL

Poster Session: Jaundice

Chairperson: L. Zimmermann Maastricht, The Netherlands

VISUAL ASSESSMENT OF JAUNDICE IN THE NEWBORN - HOW GOOD IS IT?

D. Bratlid (1,2); A. K. Trollebø (1); I. Macsic (1)
(1,2) *Trondheim, Norway*

ARE BLOOD BILIRUBIN MEASUREMENTS MADE ON A BLOOD GAS ANALYSER PRECISE ENOUGH TO BASE CLINICAL DECISIONS ON?

C. E. Ghinescu; C. W. Yoxall
Liverpool, United Kingdom

EFFECT OF PHOTOTHERAPY ON CEREBRAL OXYGENATION AND CARDIORESPIRATORY STABILITY IN SPONTANEOUSLY BREATHING NEWBORN INFANTS WITH A GESTATIONAL AGE = 32 WEEKS

S. Heitmann; W. Pielemeier; S. Supcun-Ritzler; P. Kutz; C. Roll
Datteln, Germany

SUPERIOR MESENTERIC ARTERY AND CELIAC ARTERY BLOOD FLOW VELOCITY PROFILES AFTER INTRAVENOUS IMMUNOGLOBULIN THERAPY IN NEONATES: A PROSPECTIVE OBSERVATIONAL COHORT STUDY

S. S. Saini (1); L. Deepak (1); S. Patil (2); P. Kumar (3)
(1-3) *Chandigarh, India*

INTENSIVE MANAGEMENT FOR LATE HYPREBILIRUBINEMIA REDUCES ATHETOTIC CEREBRAL PALSY IN PRETERM INFANTS

H. Sakai; K. Fujioka; S. Iwatani; K. Wada; M. Mizobuchi; S. Yoshimoto; H. Nakao
Kobe, Japan

THE PROTECTIVE EFFECT OF GINKGO BILOBA ON THE BILIRUBIN NEUROTOXICITY

Ö. Sahin; H. Ergin (1); H. Akça (2); A. Demiray (2); Ç. Yenisey (3); B. Özdemir (4)
(1,2,3,4,) *Pamukkale, Turkey*

A NATIONAL GUIDELINE (NICE) ON NEONATAL JAUNDICE: WILL IT REALLY WORK TO REDUCE RATES OF KERNICTERUS?

M. Fenner (1); C. Forster (1); S. Wardle (1); H. Budge (2)
(1,2) *Nottingham, United Kingdom*

THE UGT1A1*28 ALLELE AND EXTREME NEONATAL HYPERBILIRUBINAEMIA, A NATIONAL DANISH CASE-CONTROL STUDY.

J. Padkær Petersen; T. B. Henriksen (2); M. V. Hollegaard (3); P. K. Vandborg (1); O. Thorlacius-Ussing (4); F. Ebbesen (1)
(1,3,4) *Aalborg, Denmark*; (2) *Aarhus, Denmark*

HOW SHOULD WE INVESTIGATE CONJUGATED JAUNDICE IN PRE-TERM NEONATES? AN EXPERIENCE OF THREE YEARS IN A BUSY TERTIARY CENTER IN THE UK.

T. Waterfield; S. Somisetty
(1,2) *London, United Kingdom*

BIOCHEMICAL ASSESSMENT OF NEONATAL CHOLESTASIS : THE PART OF HEPATORENAL TYROSINEMIA IN OUR INFANCY POPULATION

Y. Lyece; N. Gagi; D. Azouaoui; W. Benhabiles; A. Berhoun
Algiers

13:00-14:25

PORTO HALL

Poster Session: Pharmacology. Metabolism. Infection

Chairperson: K. Allegaert Leuven, Belgium

8-YEAR AUDIT OF A SIMPLIFIED GENTAMICIN EXTENDED INTERVAL HIGH-DOSE REGIMEN

C. Klingenberg (1,3); J. Fjalstad (1); E. Laukli (2)
(1-3) Tromsø, Norway

COST COMPARISON OF TWO CAFFEINE PREPARATIONS USED FOR PRETERM BABIES

B. Rao (2); G. Wasson (1); D. Sweet (2)
(1,2) Belfast, United Kingdom

AN OBSERVATIONAL STUDY OF A VALIDATED, SEMI-QUANTITATIVE MOLECULAR ASSAY FOR THE DIAGNOSIS OF LATE ONSET NEONATAL SEPSIS IN VERY LOW BIRTH WEIGHT INFANTS.

J. Davis (3); S. Christie (1); D. Fairley (1); R. Tubman (1); M. Shields (1,2)
(1,2) Belfast, United Kingdom; (3) Bristol, United Kingdom

SERUM LEVELS OF PERFLUORINATED CHEMICALS IN PREGNANT WOMEN AND FETAL GROWTH: PRELIMINARY RESULTS

C. C. Bach (1); B. H. Bech (2); E. A. Nøhr (2); N. Uldbjerg (3); R. Bossi (4); E. C. Bonefeld-Jørgensen (5); J. Olsen (2); T. B. Henriksen (6)
(1,2,4,5) Aarhus, Denmark; (3) Philadelphia, United States of America

TWO YEAR INFANT AND MATERNAL OUTCOMES FROM THE SNAP TRIAL: A RANDOMISED CONTROLLED TRIAL INVESTIGATING NICOTINE REPLACEMENT THERAPY FOR CESSATION IN PREGNANCY

S. Cooper (1); J. Taggar (1); S. Lewis (2); N. Marlow (3); T. Coleman (1)
(1,2,3) Nottingham, United Kingdom

CYTOLOGICAL EVALUATION OF THE NASAL MUCOSA IN THE NEONATES EXPOSED TO TOBACCO SMOKE DURING FETAL LIFE.

M. Krol (1); A. Tupieka-Kolodziejaska (2); E. Florek (3); W. Piekoszewski (4); B. Tarchalska-Krynska (5); R. Bokinić (6); M. K. Borszewska-Kornacka (7)
(1,2,5,6,7) Warsaw, Poland; (3) Poznań, Poland; (4) Krakow, Poland

A HOLISTIC NMR BASED METABOLOMICS STUDY OF TERM INFANTS WITH NORMAL, RESTRICTED AND INCREASED FETAL GROWTH

P. Zoumpoulakis (1); T. Boutsikou (2); D. Briana (2); K. Dendrinou (2); C. Baskakis (1); C. Fotakis (1); A. Malamitsi-Puchner (2)
(1,2) Athens, Greece

NMR BASED METABOLOMICS, HIGHLIGHT METABOLIC PROFILE ALTERATIONS FOR IUGR VERSUS AGA CORD BLOOD SAMPLES

T. Boutsikou (1); P. Zoumpoulakis (2); D. Briana (1); K. Dendrinou (1); C. Baskakis (2); C. Fotakis (2); A. Malamitsi-Puchner (1)
(1,2) Athens, Greece

PROTEOME ANALYSIS OF HUMAN INTRA UTERINE GROWTH RESTRICTION PLACENTAS BY ITRAQ: IDENTIFICATION OF NEW BIOMARKERS

H. Grimault (4); J. Auer (1); F. Guillonnet (2); M. Leduc (2); D. Vaiman (1); S. Barbaux (1); G. Gascoin-Lachambre (1,2,3)
(1,2) Paris, France; (3) Angers, France; (4) Vannes, France

EFFICACY OF EARLY EXPERIMENTAL THERAPY IN LEIGH SYNDROME

L. Fiori (1); C. Scalfaro (1); M. Gibelli (1); M. Tonella (1); C. Uggetti (2); A. F. Podestà (1)
(1,2) *Milan, Italy*

RELATIONSHIP BETWEEN C-REACTIVE PROTEIN AND CAUSE OF PNEUMONIA AND MONITORING SUCCESS OF OUTPATIENT THERAPY IN YOUNG CHILDREN

A. Bajraktarevic (1); S. Putica (1); B. Djukic (1); S. Penava (1); A. Krekic (1); I. Golos Imamovic (1); A. Selimovic (2); H. Niksic (3); I. Suljevic (4); L. Sporisevic (5)
(1-5) *Sarajevo, Bosnia-Herzegovina*

DETERMINATION OF INTESTINAL FLORA OF NEWBORN USING MOLECULAR METHODS

G. Guner Nar (1); M. Kaynak Turkmen (1); O. Yildiz (2); B. Bozdogan (3)
(1) *Aydin, Turkey*; (2-4) *Adnan, Turkey*

THE ANTIBIOTIC TREATMENT DURING THE NEONATE PERIOD

I. Daniela; M. Aniko; B. Marioara; D. Mirabela; E. R. Iacob
Timisoara, Romania

MATERNAL SNUFF USE AND SMOKING AND THE RISK OF ORAL CLEFT MALFORMATIONS

A. Gunnerbeck (1); A. K. Edstedt Bonamy (1,2); A. K. Wikström (3); R. Wickström (1); F. Granath (2); S. Cnattingius (2)
(1-3) *Stockholm, Sweden*

13:00-14:25

NOBLE HALL

Poster Session: Neurodevelopmental outcome

Chairperson: N. Marlow London, United Kingdom

GENOMIC ABNORMALITIES IN EXTREMELY PREMATURE INFANTS WITH INTELLECTUAL DISABILITY

N. Marlow (3); D. Grozeva (1); S. Johnson (2); E. Baker (1); L. Raymond (1) *Cambridge, United Kingdom*; (2) *Leicester, United Kingdom*; (3) *London, United Kingdom*

GENETIC INFLUENCE ON SLEEP EEG COMPOSITION IN THE FIRST THREE MONTHS OF LIFE: A TWIN STUDY

M. Vucinovic (1); G. Kardum (2); M. Bonkovic (3); S. Prgomet (1)
(1-3) *Split, Croatia*

NEURODEVELOPMENT EVOLUTION AFTER MODERATE AND SEVERE HYPOXIC-ISCHEMIC ENCEPHALOPATHY

C. Melo (1); S. Costa (1); R. Carvalho (1); J. Fernandes (1); E. Abreu (1); A. Silva (1); A. Matos (1); A. Pereira (1); C. Sá (1)
(1) *Braga, Porto*

NEURODEVELOPMENT OF NEONATES WITH BIRTH INJURY DURING FIRST YEAR OF LIFE

V. Stefanovic (2); S. Stefanovic (1); T. Radunovic Gojkovic (3)
(1,2,3) *Novi Sad, Serbia*

PRE-ECLAMPSIA - AN ADDITIONAL RISK FACTOR FOR COGNITIVE IMPAIRMENT AT SCHOOL AGE AFTER INTRAUTERINE GROWTH RESTRICTION AND VERY PRETERM BIRTH.

E. Morsing (1); K. Marå Ål
(1,2) *Lund, Sweden*

ELEVATED NEUTROPHILS IN FIRST WEEK OF LIFE AND NEURODEVELOPMENTAL OUTCOME IN PRETERM INFANTS

W. Asif (1); M. Slavin(2); E. J. Molloy(3)
(1-3) *Dublin, Ireland*

RISK PREDICTORS FOR DELAYED PROCESSING SPEED IN 5-YEAR OLD CHILDREN BORN PRETERM

M. Gnigler; V. Neubauer; E. Griesmaier; S. Zotter; U. Kiechl-Kohlendorfer
Innsbruck, Austria

SINGLE -NUCLEOTIDE POLIMORPHISMS (SNPS) OF MBL2 GENE OF MANNOSE BINDING LECTIN (MBL) AND MBL SERUM LEVELS AS BIOMARKERS PREDICTIVE OF ADVERSE NEUROLOGICAL OUTCOME IN PRETERM INFANTS.

C. Auriti (3); B. Caravale (1); G. Prencipe (2); M. F. Coletti (3); F. Piersigilli(3); M. P. Ronchetti (3); V. Di Ciommo (4); A. Dotta(3)
(1-4) *Rome, Italy*

ASSOCIATION BETWEEN NEUROPSYCHOLOGICAL DEVELOPMENT AND GROWTH IN MODERATELY PRETERM-BORN CHILDREN

M. Eshuis (3); I. Bocca-Tjeertes (1); K. Van Braeckel(1); S..A. Reijneveld(2); A. F. Bos(1)
(1,2) *Groningen, The Netherlands*

SCREENING FOR MENTAL HEALTH PROBLEMS IN EXTREMELY PRETERM CHILDREN: ARE TWO HEADS BETTER THAN ONE?

S. Johnson (2); N. Marlow (1); V. Simms (2); D. Wolke (3)
(1) *London, United Kingdom*; (2) *Leicester, United Kingdom*; (3) *Coventry, United Kingdom*

INATTENTION AND HYPERACTIVITY IN CHILDREN BORN VERY PRETERM: IMPLICATIONS FOR SCREENING AND DETECTION

E. Brogan (1); V. Simms (1); L. Cragg (2); C. Gilmore (3); N. Marlow (4); S. Johnson (1)
(1) *Leicester, United Kingdom*; (2) *Nottingham, United Kingdom*; (3) *Loughborough, United Kingdom*; (4) *London, United Kingdom*

EARLY DEVELOPMENT OF SMOOTH PURSUIT EYE MOVEMENTS IN VERY PRETERM CHILDREN IN ASSOCIATION TO THEIR COGNITIVE DEVELOPMENT AT 2½ YEARS

Y. Fredriksson Kaul (1); K. Rosander (2); C. von Hofsten (2); B. Böhm (3); L. Westas (1); K. Strand Brodd (1)
(1,2) *Uppsala, Sweden*; (3) *Stockholm, Sweden*

MATHEMATICS ATTAINMENT IN VERY PRETERM CHILDREN: THE CONTRIBUTION OF GENERAL COGNITIVE SKILLS.

V. Simms (2); S. Clayton (1); L. Cragg (2); C. Gilmore (1); N. Marlow (3); S. Johnson (4)
(1) *Loughborough, United Kingdom*; (2) *Nottingham, United Kingdom*; (3) *London, United Kingdom*; (4) *Leicester, United Kingdom*

PEER VICTIMISATION OF VERY PRETERM CHILDREN AT SCHOOL AGE AND THEIR EMOTIONAL CONSEQUENCES

D. Wolke (1,2); N. Baumann (1)
(1,2) *Coventry, United Kingdom*

EMOTION, ATTENTION AND EFFORTFUL CONTROL AT 24 MONTH-OLD IN VERY PRETERM AND FULL-TERM CHILDREN

F. Lejeune (1); C. Borradori Tolsa (2); M. Bickle-Graz (3); P. S. Hüppi (2); K. Barisnikov (1)
(1,2) Geneva, Switzerland; (3) Lausanne, Switzerland

THE OBSERVATIONAL RATING SCALE OF PARENTAL INTERACTIONS (ORSPI): FURTHER DEVELOPMENT AS A MEASURE OF QUALITY OF FATHERS' INTERACTIONS WITH THEIR PRETERM INFANTS

R. Seghal (3); K. Benzies (1); J. Magill-Evans (2); C. Beer (3); C. Glazebrook (3); S. Johnson (3)
(1) Calgary, Canada; (2) Alberta, Canada; (3) Nottingham, United Kingdom

13:00-14:25

S. JOAO HALL

Poster Session: Professional training. Parental roles.

Chairperson: M. Breindahl Rigshospitalet, Denmark

INTRODUCING INTERNATIONAL CHILD HEALTH INTO UNDERGRADUATE PAEDIATRICS

S. F. Geoghegan (1); A. J. Nicholson (2,3); E. J. Molloy (1,2,4,5)
(1-5) Dublin, Ireland

ASSESSMENT METHODOLOGY BUILT IN PARTNERSHIP, WITH STUDENTS AND TEACHERS - ASSESSING THE THEORETICAL PEDIATRIC CONTENTS APPREHENDED BY THE GRADUATING STUDENT OF THE COLLEGE OF MEDICINE OF PETRÓPOLIS - RIO DE JANEIRO - BRAZIL

E. Quadrio de Oliveira Veiga; A. J. M. O. Veiga; A. Niquini Ramos; A. Rocha Simeoni; R. Moreira Aprigio
Petrópolis, Brasil

ASSESSING THE INTEGRATION OF SIMULATION TECHNIQUES IN THE CURRICULUM OF UNDERGRADUATE EDUCATION OF PEDIATRICS

P. Garcia; F. Marques; R. Ferreira; S. Pereira; M. T. Neto
Lisbon, Portugal

THE CHILD WITH COMPLEX HEALTH ISSUES: ASSESSMENT & MANAGEMENT TEACHING MODULE FOR MEDICAL STUDENTS

H. Bruell; A. Nicholson; E. J. Molloy
Dublin, Ireland

AIMING FOR EFFECTIVE NEONATAL INTUBATION - ASSESSMENT OF PROCEDURE PRACTICE AND TRAINEE PERFORMANCE IN TWO CONSECUTIVE AUDITS ON A REGIONAL NICU

S. Chaudhry; S.H. Chaudhry (1); M. Wong (2); G. Belteki (3)
(1-3) Cambridge, United Kingdom

POINT OF CARE NEONATAL SIMULATION TRAINING

A. Lok; H. Shore (1); E. Peirce (2)
(1) Leeds, United Kingdom; (2) Sheffield, United Kingdom

PILOT TRIAL OF VIDEO RECORDINGS TO IDENTIFY NEWBORNS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY. A STRATEGY TO IMPROVE SELECTION OF PATIENTS FOR THERAPEUTIC HYPOTHERMIA

J. Arnáez (2); A. García-Alix (1); S. Schuffelmann (2); C. Vega (2); M. Miranda (2); C. Bustamante (2); J. Suárez (2); C. De Frutos (2); D. Armesto (3)
(1) Barcelona, Spain; (2,3) Burgos, Spain

PRELIMINARY DATA OF A PROSPECTIVE MULTICENTER STUDY TO ASSESS HYPOXIC ISCHEMIC ENCEPHALOPATHY

J. Arnáez (2); A. García-Alix (1); S. Schuffelmann (2); I. Esteban (3); M. Hortelano (4); S. Caserio (5); L. Castañón (6); M. Jimenez (7); E. Gutierrez (8); N. Hernández (9); T. Prada (10); M. Serrano (11); P. Gayte (12); F. Barbadillo (13); Arahip Group (Perinatal Asph)

(1) Barcelona, Spain; (2) Burgos, Spain; (3) Logrono, Spain; (4) Segovia, Spain; (5) Valladolid, Spain; (6) Leon, Spain; (7) Avila, Spain; (8) Salamanca, Spain; (9) Zamora, Spain; (10) Bierzo, Spain; (11) Soria, Spain; (12) Santiago, Spain; (13) Aranda D

GRADUATE MEDICAL EDUCATION REFORMS FOR NEONATOLOGY IN SWEDEN IN RELATION TO THE EUROPEAN SOCIETY OF NEONATOLOGY RECOMMENDATIONS

M. Vanpee (1); P. Elfström (1); E. Engström (2); C. Casper (1,3); M. Breindahl (4); M. Blennow (1)

(1) Stocholom, Sweden; (2) Gothenburg, Sweden; (3) Toulouse, France; (4) Copenhagen, Denmark

THE DEMAND FOR AN EDUCATIONAL SMARTPHONE APP: A REVIEW OF OUR EXPERIENCE

G. Hawkes (2); C. Patrick Hawkes (1,2); C. A. Ryan (1,2); E. M. Dempsey (1,2)
(1,2) Cork, Ireland

MATERNAL DISCIPLINE IS NOT INFLUENCED BY FAMILY STRUCTURE: A STUDY IN THE GENERATION XXI PORTUGUESE BIRTH COHORT

I. Moreira; D. Costa; H. Barros
Porto, Portugal

13:00-14:25

D. MARIA HALL

Poster Session: Breast milk and breastfeeding

Chairperson: S. Arslanoglu İzmir, Turkey

BREAST MILK FROM MOTHERS OF EXTREMELY PREMATURE INFANTS: VARIABILITY IN PROTEIN AND FAT CONTENT.

E. Stoltz Sjöström (1); I. Öhlund (1); M. Domellöf (1)
Umeå, Sweden

PROTEIN CONTENT IN EXPRESSED BREAST MILK. INFLUENCE OF TIME INTERVALS BETWEEN BREAST MILK PUMPING IN MOTHERS OF PRETERM INFANTS

E. Iyore; B. Molholm Hansen; A. Lando; G. Greisen; R. Maastrup; B. Olesen; P. H. Strenov; C. Knight; M. Egeskov
Copenhagen, Denmark

DONOR HUMAN MILK FOR INFANTS OF MUSLIM PARENTS

T. Williams (1); G. Weaver (2); G. Menon (1)

(1) *Edinburgh, United Kingdom*; (2) *London, United Kingdom*

EARLY MOTHER'S OWN RAW MILK ADMINISTRATION COULD FAVOUR BREASTFEEDING IN HOSPITALIZED NEONATES

C. Fischer Fumeaux (1,2); S. Laborie (1,3); M. Prudon (1,3); F. Plaisant (1,3); C. Essomo Megnier-Mbo (1,3); A. Denis (4); S. Touzet (4); L. Bruschet (1,3); L. Fernandes (1); C. Keïta (1); F. Pillet (1); O. Claris (1,3,5,6)

(1) *Bron, France*; (2) *Lausanne, Switzerland*; (3) *Pierre-Bénite, France*; (4,5) *Lyon, France*

CHANGES AND CHALLENGES IN SUSTAINED BREAST-MILK FEEDING IN VERY PRETERM INFANTS - A POPULATION BASED COHORT STUDY

E. Wilson (1); K. Christensson (2); M. Altman (1,3); M. Norman (1); A. K. Edstedt Bonamy (2,3)

(1-3) *Stockholm Sweden*

TELEPHONE-BASED SUPPORT INCREASES BOTH EXCLUSIVE AND PARTIAL BREASTFEEDING IN PRE-PREGNANT OBESE

E. Malchau Carlsen (4); A. Kyhnaeb (1); K. Renault (2); D. Cortes (1); K. F. Michaelsen (3); O. Pryds (1)

(1-3) *Copenhagen, Denmark*; (4) *Hvidovre, Denmark*

EARLY DISCHARGE AND BREASTFEEDING CAN BE PROMOTED IN VERY PRETERM INFANTS

K. Mikkola; E. Sepponen

Espoo, Finland

NEWBORN FEEDING BEHAVIOUR DEPRESSED BY INTRAPARTUM OXYTOCIN: A PROSPECTIVE CASE-CONTROL STUDY

M. Á. Marín Gabriel (2); I. Olza (1); V. Costarelli (1); A. M^a. Malalana (2); L. G^a Murillo (1); P. Pérez Riveiro (3); M. Durán (3); F. López Sánchez (3); C. González-Armengod (2); A. Fernández-Cañadas (3); I. Millán (4); B. Martínez (3)

(1-4) *Madrid, Spain*

AN INTEGRATIVE REVIEW OF THE LITERATURE ON THE CHIROPRACTIC CARE OF INFANTS WITH BREASTFEEDING DIFFICULTIES

Jo. Alcantara (1,3); Ju. Alcantara (2)

(1) *Calgary, Canada*; (2) *Manila, Philippines*; (3) *Media, United States of America*

PHYSICAL-CHEMICAL PROFILE OF HUMAN MILK MILKED AT HOME AND AT THE MILK BANK OF THE UNIVERSITY HOSPITAL OF THE UNIVERSITY OF SÃO PAULO.

V. Spinola Quintal (1,2); E. Albuquerque Diniz (1); D. Moreira (2); H. Lima (2); L. Quintal (2); M. A. Cianciarullo (2); A. Ferraro (1); S. Ibidi (2)

(1,2) *São Paulo, Brazil*

GOING BACK TO WORK WITHOUT FORMULA; SUPPORTING A BREASTFEEDING-FRIENDLY WORK PLACE

P. Kratimenos (1); I. Koutroulis (2); D. Markouizos (3)

(1) *Long Branch, United States of America*; (2) *Philadelphia, United States of America*;

(3) *New York, United States of America*

DETECTING BACTERIAL GROWTH IN RAW DONOR HUMAN BREAST MILK PRIOR TO FEEDING PRETERM INFANTS

A. Beyersdorff (1); J. Haak (2); S. Ryll (2); A. Kramer (2); M. Heckmann (1)
(1,2) Greifswald, Germany

ENERGETIC AND MICROBIOLOGICAL ANALYSIS OF HUMAN DONOR MILK OBTAINED AT HOME AND MILK BANK IN A TEACHING HOSPITAL IN SAO PAULO, BRAZIL.

V. Spinola Quintal; E. Albuquerque Diniz (1); D. Moreira(2); H. Lima (2); L. Quntal(2); M. A. Cianciarullo(2); A. Ferraro(2); S. Ibidi(2)
(1,2) São Paulo, Brazil

NEWBORN FEEDING BEHAVIOUR MAY BE AFFECTED BY MODE OF DELIVERY

M. Á. Marín Gabriel (2); I. Olza (1); A. M^a. Malalana (2); M. V. Costarelli (1); A. Fernández Cañadas (3); L. García (1); I. Millán (4); B. Martínez (3); C. González-Armengod (2); F. López (3); M. Durán (3); P. Pérez Riveiro (3)
(1-4) Madrid, Spain

13:00-14:25

ARRABIDA HALL

Poster Session: Patent ductus arteriosus. Pain in newborns

Chairperson: **W. de Boode** Nymegen, The Netherlands

PERSISTENT PATENT DUCTUS ARTERIOSUS (PPDA) IN VERY PRETERM INFANTS: HIGH RATE OF SPONTANEOUS CLOSURE AFTER HOSPITAL DISCHARGE

V. Romagnoli (1); A. Pedini (2); M. Santoni (1); G. Scutti (1); M. Colaneri (3); M. Pozzi (3); P. E. Cogo (4); V. P. Carnielli (1)
(1,3) Ancona, Italy; (2) Rimini, Italy; (4) Rome, Italy

CAN B-TYPE NATRIURETIC PEPTIDE ASSAYS PREDICT RESPONSE TO MEDICAL TREATMENT FOR SYMPTOMATIC PATENT DUCTUS ARTERIOSUS IN PRETERM INFANTS?

J. Hee Shin; E. H. Lee (1); K. S. Ha (1); H. Ki Ko (2); J. Hoon Lee (2); B. Min Choi (1); C. Sung Sohn (1); J. Won Lee (1).
(1,2) Seoul, Republic of Korea

HEMODYNAMIC INSTABILITY FOLLOWING DUCTAL LIGATION IN THE VERY LOW BIRTH WEIGHT INFANT

S. Chung; J. H. Kim; Y. S. Choi; A. R. Kim; K. S. Kim; B. S. Lee
Seoul, Republic of Korea

REPEATABILITY OF ECHOCARDIOGRAPHIC PARAMETERS TO EVALUATE THE HEMODYNAMIC RELEVANCE OF PERSISTING PATENT DUCTUS ARTERIOSUS BOTALLI (PDA) IN PRETERM INFANTS

C. E. Schwarz; W. Baden (2); A. Preusche (1); C. F. Poets (1); A. R. Franz (1)
(1,2) Tübingen, Germany

N-TERMINAL PRO-B TYPE NATRIURETIC PEPTIDE AND TROPONIN T AS MARKERS OF PDA SIGNIFICANCE AND BRONCHOPULMONARY DYSPLASIA IN VERY PRETERM NEONATES

A. Sellmer (1,2); V. E. Hjortdal (3); J. V. Bjerre(1); M. R. Schmidt(4); P. J. McNamara(5); B. H. Bech(6); T. B. Henriksen(1,2)
(1,2,3,4,6) Aarhus, Denmark; (5) Toronto, Canada

LARGE PATENT DUCTUS ARTERIOSUS IS NOT ASSOCIATED WITH REDUCED CEREBRAL OXYGENATION IN VERY PRETERM INFANTS??

A. Smith; M. Wall; M. Maguire; E. Dempsey
Cork, Ireland

TIMING OF PHARMACOLOGICAL TREATMENT OF PATENT DUCTUS ARTERIOSUS (PDA) AND RISK OF SECONDARY PDA-SURGERY, DEATH OR BRONCHOPULMONARY DYSPLASIA- A POPULATION-BASED STUDY OF EXTREMELY PRETERM INFANTS

A. Guðmundsdóttir (1); S. Johansson (2); K. Källén (3); S. Håkansson (4); M. Norman (5);
A. K. Edstedt Bonamy (1,2)
(1,2,5) *Stockholm, Sweden*; (3) *Lund, Sweden*; (4) *Umeå, Sweden*

COMPARISON BETWEEN DIFFERENT PHARMACOLOGICAL TREATMENTS FOR PATENT DUCTUS ARTERIOSUS CLOSURE IN VERY LOW BIRTH WEIGHT INFANTS

B. Barzilay (6); M. Shoshani-Levi (1); R. Keidar (1,2); D. Batash (1,2); G. Klinger (2,3);
Z. Strauss (2,4); M. Berkovich (2,5); E. Heyman (1)
(1,2) *Tel Aviv, Israel*; (3) *Petach Tikvah, Israel*; (4) *Tel Aviv, Israel*; (5) *Tel Aviv, Israel*;
(6) *Zerifin, Israel*

CLINICALLY HEMODYNAMIC RELEVANT PATENT DUCTUS ARTERIOSUS IN VERY LOW BIRTHWEIGHT (VLBW) INFANTS DOES NOT CAUSE HYPOPERFUSION-ASSOCIATED CEREBRAL DAMAGE

L. Langer (1); F. Pillekamp (1); P. Verde (2); E. Mayatepek (1); T. Hoehn (1)
(1,2) *Dusseldorf, Germany*

CHANGES IN TREATMENT OF THE PATENT DUCTUS ARTERIOSUS IN VERY LOW BIRTH WEIGHT INFANTS.

A. Riverola (1); C. Borrás (1); J. Moreno (1); M. Iriondo (1); F. Prada (2); J. Bartrons (2)
(1,2) *Barcelona, Spain*

COPEPTIN INDICATES PERINATAL STRESS REACTION IN HUMANS AND IN RATS

S. Wellmann (3); P. L'Abate (1); S. Wiegert (1); R. Zimmermann (2); T. Burkhardt (2); V. Cannizzaro (1)
(1,2) *Zurich, Switzerland*; (3) *Basel, Switzerland*;

SEXUAL DISPARITY OF COPEPTIN PLASMA CONCENTRATIONS IN NEWBORN INFANTS

S. Wellmann (1); M. A. Burckhardt (1); M. Wellmann (2); O. Lapaire (2); J. Benzing (1);
G. R. Szinnai (1); P. Baumann (3); C. Bühner (4)
(1,2) *Basel, Switzerland*; (3) *Zurich, Switzerland*; (4) *Berlin, Germany*

ASSESSMENT OF COMFORT AND PERSISTENT PAIN IN NEONATES IN THE ABSENCE OF A VALIDATED CLINICAL TOOL

E. Boyle (1); J. Bradshaw (2); K. I. Blake (2)
(1) *Leicester, United Kingdom*

EFFICACY, APPLICABILITY AND ACCEPTABILITY OF BREAST FEEDING AND BREAST MILK CUP FEEDING VS NO TREATMENT IN PAIN REDUCTION DURING NEWBORN SCREENING TEST: RANDOMIZED CLINICAL TRIAL

K. N. Bacaltos; J. B. Mantaring Lii (2)
(1,2) *Manila, Philippines*

ANALGESIA WITH BREASTFEEDING IN ADDITION TO SKIN-TO-SKIN CONTACT DURING HEEL PRICK: A RANDOMIZED, CONTROLLED TRIAL

M. Angel (1); B. del Rey Hurtado de Mendoza (1); V. Medina (2); L. Medina Malagón (2);
L. Jiménez Figueroa (2); M. Vázquez Rodríguez (2); V. Escudero Huedo (2); B. Iglesias (1)
(1,2) *Madrid, Spain*

13:00-14:25

DESPACHANTES HALL

Poster Session: Hie & Hypothermia

Chairperson: B. Hallberg Huddinge, Sweden

SHORT TERM CLINICAL OUTCOMES OF NEONATES WITH SEVERE PERINATAL ACIDOSIS: A PROSPECTIVE STUDY.

A. Marthandan; S. Ramaiah (1); K. Durairaj (1); P. Clarke (1); R. Roy (1); D. Shah (2)
(1) *Norwich, United Kingdom*; (2) *London, United Kingdom*

THE VALUE OF EARLY AMPLITUDE-INTEGRATED EEG IN NEONATES WITH SEVERE PERINATAL ACIDOSIS, NOT SELECTED FOR THERAPEUTIC HYPOTHERMIA

S. Ramaiah; A. Marthandan (1); K. Durairaj (1); R. Roy (1); D. Shah (2); P. Clarke (1)
(1) *Norwich, United Kingdom*; (2) *London, United Kingdom*

A RETROSPECTIVE STUDY OF CEREBRAL FUNCTION IN A COHORT OF NEONATES COOLED AT A TERTIARY NEONATAL CENTRE-IMPLICATIONS FOR PRACTICE

A. Sharma
Southampton, United Kingdom

DOUBLE COOLING IN THE FIRST WEEK OF LIFE: PERICARDIAL TAMPONADE AND CARDIAC ARREST FOLLOWING NEONATAL ASPHYXIA

M. Piastra; F. Cavallaro (1); O. Genovese; D. Biasucci; R. De Sanctis; G. Conti; D. Pietrini; D. De Luca
Rome, Italy

THERAPEUTIC HYPOTHERMIA FOR NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY: TEMPERATURE CONTROL DURING TRANSPORT

S. Correia; I. Sampaio; C. S. Moniz; A. Graça
Lisboa, Portugal

PHENOBARBITAL DOSING DURING THERAPEUTIC HYPOTHERMIA - SHOULD WE CHANGE OUR PRACTICE?

A. Graça; S. Fernandes (2); I. Sampaio (1); C. Moniz (1)
(1,2) *Lisboa, Portugal*

RESPIRATORY FUNCTION PARAMETERS IN VENTILATED NEWBORN INFANTS UNDERGOING WHOLE BODY HYPOTHERMIA

T. Dassios (1); T. Austin (1)
Cambridge, United Kingdom

THE NEONATAL ASPHYXIA POPULATION BEFORE AND AFTER INTRODUCTION OF HYPOTHERMIA TREATMENT: A LOCAL EXPERIENCE FROM LAUSANNE.

J. Schneider (4); D. Solari (2); M. Bickle-Graz (3); C. Stadelmann (1); A. C. Truttmann (1)
(1,2,3) *Lausanne, Switzerland*

IS EARLY AEEG IN INFANTS WITH PERINATAL ASPHYXIA A RELIABLE TOOL TO IDENTIFY HIPOXIC-ISCHEMIC ENCEPHALOPATHY (HIE)

C. Bustamante Hervas (1); J. Arnáez (1); E. Valverde (2); M. Miranda (1); D. Mata (3); S. Caserio (4); D. Armesto (5); A. García-Alix (6)
(1,5) *Burgos, Spain*; (2) *Madrid, Spain*; (3) *Leon, Spain*; (4) *Valladolid, Spain*; (6) *Barcelona, Spain*

PROSPECTIVE STUDY TO DETERMINE THE CORD PH LEVEL TO BE MONITORED TO IDENTIFY INFANTS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY (HIE) TO START THERAPEUTIC HYPOTHERMIA

C. Vega (2); M. Miranda (1); E. Hernandez (2); A. Cilla (2); S. Ciciliani (1); P. Alamillo (2); M. Gutiérrez (2); M. Hortigüela (2); J. Fernández (2); L. Gómez (2); P. Parejo (2); J. Valencia (2); A. García-Alix (3); J. Arnáez (1)
(1,2) *Burgos, Spain*

PREDICTIVE VALUE OF NEUROLOGICAL IMPAIRMENT OF AMPLITUDE INTEGRATED ELECTROENCEPHALOGRAPH (AEEG) IN NEWBORNS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY (HIE): NEW METAANALYSIS CONSIDERING HOURS OF LIFE AND HYPOTHERMIA TREATMENT

R. Del Río (3); C. Ochoa (1); D. Blanco (2); A. García-Alix (3)
(1) *Zamora, Spain*; (2) *Madrid, Spain*; (3) *Barcelona, Spain*

KINETICS OF CIRCULATING PROGENITOR CELLS AND CORRELATION WITH BIOMARKERS IN FULLTERM NEWBORNS WITH PERINATAL ASPHYXIA - AN ENDOGENOUS REGENERATION EFFORT? (PRELIMINARY REPORT)

N. Efstathiou; T. Pozotou (1); G. Koliakos (2); G. Kyriazis (3); A. Slavakis (4); E. Farmaki (5); O. Hatzizisi (3); V. Tzimouli (5); V. Drossou-Agakidou (1); V. Soubasi (1)
(1,2,3,4,5) *Thessaloniki, Greece*

INCREASED CORD LEVELS OF UBIQUITIN CARBOXYL-TERMINAL HYDROLASE L1 IN NEONATAL HYPOXIC ISCHAEMIC ENCEPHALOPATHY

A. M. Looney; B. Walsh (1); R. Hayes (2); J. Martinez (2); G. B. Boylan (1); D. M. Murray (1)
(1,2) *Cork, Ireland*

CEREBRAL PALSY IN CHILDREN PRESENTING TO PAEDIATRIC SERVICES IN KAMPALA, UGANDA: WHAT PERCENTAGE IS ATTRIBUTED TO ACUTE INTRAPARTUM RELATED ENCEPHALOPATHY?

J. Hassell (1); C. Tann (1,2); M. Nakibirango (3); M. Masoke (3); R. Idro (3,4); N. J. Robertson (1)
(1,2) London, United Kingdom; (3) Kampala, Uganda; (4) Oxford, United Kingdom

PROSPECTIVE MULTICENTER PROGRAM FOCUSED ON EARLY SYSTEMATIC MONITORING OF INFANTS WITH PERINATAL ASPHYXIA TO IMPROVE NEUROLOGICAL OUTCOME.

J. Arnáez (1); C. Vega (1); M. Miranda (1); I. Esteban (2); M. Hortelano (3); S. Caserío (4); D. Mata (5); M. Pilar Jiménez (6); E. Pilar Gutiérrez (7); N. Hernández (8); T. Prada (9); M. Serrano (10); P.D. Gayte (11); M. F. Barbadillo (12); Arahip Group (Perinatal Asph)
(1) Burgos, Spain; (2) Logroño, Spain; (3) Segovia, Spain; (4) Valladolid, Spain; (5) Leon, Spain; (6) Avila, Spain; (7) Salamanca, Spain; (8) Zamora, Spain; (9) Leon, Spain; (10) Soria, Spain; (11,12) Bhurgos, Spain

13:00-14:25

INFANTE HALL

Poster Session: Mixed neonatal and paediatric pulmonology

Chairperson: D. De Luca Paris, France/Rome, Italy

CHANGES OF RESPIRATORY CARE IN EXTREMELY LOW BIRTH WEIGHT INFANTS: A REPRESENTATIVE SURVEY IN GERMAN SPEAKING COUNTRIES 1997 AND 2011.

G. Roland (1); H. Manser (1); H. Küster (2); S. Arenz (1); T. Arenz (1); E. Gerstl (3); M. Nelle (1)
(1) Bern, Switzerland; (2) Göttingen, Germany; (3) Passau, Germany

CAN A QUALITY IMPROVEMENT PROCESS REDUCE THE INCIDENCE OF BRONCOPULMONARY DYSPLASIA IN EXTREMELY LOW BIRTH INFANTS?

A. Soliz; B. Schulman; L. McIntyre
Coral Gables, United States of America

PATENT DUCTUS ARTERIOSUS (PDA) AND BRONCHOPULMONARY DYSPLASIA (BPD): THE INFLUENCE OF STAGING AND DURATION OF DUCTAL SHUNT.

F. Schena (1); M. D. Foti (1); E. Ciarmoli (1); I. Picciolli (1); A. Mayer (1); A. Cappelleri (1); L. Bassi (1); A. Lavizzari (1); F. Mosca (1)
(1) Milan, Italy

PULMONARY HEMORRHAGE AMONG VERY-LOW-BIRTH-WEIGHT INFANTS: A NESTED CASE-CONTROL STUDY OF RISK FACTORS, INTERVENTIONS AND OUTCOME.

D. El Metwally (4); M. A. Al-Seoud (1); M. Al-Nowaimi (2); A. Imam (3)
(1-4) Jeddah, Saudi Arabia

RESPIRATORY DISORDERS AND NEONATAL OUTCOME OF TRIPLETS VERSUS TWINS - OWN EXPERIENCE

M. Lachowska; K. Jelen (1); E. Terpinska (1); P. Baranski (2); M. Zimmer (2); B. Krolak-Olejnik (1)
(1,2) Weoclaw, Poland

POSTNATAL SYSTEMIC STEROIDS FOR INBORN INFANTS < 27 WEEKS GA STILL INTUBATED AT 14 DAYS OF LIFE: SHORT- AND LONG-TERM (2 YEARS) OUTCOMES IN TWO LEVEL 3 CENTRES WITH PERMISSIVE AND RESTRICTIVE POLICIES.

A. Renault (2); J. Patkaï (1); X. Durrmeyer (2); F. Decobert (2); G. Dassieu (2)

(1) Paris, France; (2) Créteil, France

IS EARLY EAR CANAL (EC) CULTURE FOR MYCOPLASMA AND UREAPLUSMA AN INDICATOR OF BRONCHOPULMONARY DYSPLASIA (BPD) AMONG INFANTS < 32 WEEKS GESTATIONAL AGE?

G. Grund (1); A. Jerzak(1); A. Szumala-Kakol(2); J. Gadzinowski(1); L. Kramer(3); T. A. Merritt(4); J. Mazela(1)

(1-3) Poznan, Poland; (4) Loma, United States of America

EFFECT OF MATERNAL MEDICAL CONDITIONS AND PERINATAL COMPLICATIONS ON NEONATAL MORBIDITY

A. Scheuchenegger (5); E. Lechner (1); G. Wiesinger-Eidenberger (2); M. Weissensteiner (3); O. Wagner (4); B. Resch (5)
(1,2,3,4) Linz, Austria; (5) Granz, Austria

NEURALLY ADJUSTED VENTILATORY ASSIST (NAVA): A NEW TOOL FOR INFANTS DIFFICULT TO WEAN FROM INVASIVE MECHANICAL VENTILATION?

S. Spaggiari (1); M. Gaffuri (1); P. Santuz (1); F. Zaglia (1); A. Serra (1); P. Biban (1)
(1) Verona, Italy

CHANGE IN DENTAL ENAMEL IN PREMATURE CHILDREN WHO RECEIVED OR NOT INVASIVE MECHANICAL VENTILATION.

S. Carvalho Da Costa (2); M. T. Rodrigues Dos Santos (1); E. De Albuquerque Diniz (2)
(1,2) São Paulo, Brazil

UNDIFFERENTIATED CELLS IN THE PALATAL TISSUE OF CHILDREN WITH CLEFTS

M. Pilmane (1); I. Akota (2)
(1,2) Riga, Latvia

SNORING IS NOT A SPECIFIC SYMPTOM OF OBSTRUCTIVE SLEEP APNEA IN CHILDREN

L. Chang; L. Cao
Beijing, China

COMBINATION OF SYMPTOMS AND OXYGEN DESATURATION INDEX IN PREDICTING CHILDHOOD OBSTRUCTIVE SLEEP APNEA

L. Chang; L. Cao
Beijing, China

CLINICAL PREDICTORS FOR HOSPITAL ADMISSION IN CHILDREN WITH ACUTE LOWER RESPIRATORY TRACT INFECTION: A PROSPECTIVE OBSERVATIONAL STUDY

V. Mahajan (1); M. Tiwari (1); A. Arya (1); A. Tiwari (1); D. Chawla (5); S. S. Saini (1)
(1) Chandigarh, India; (2) Chandigarh, India

CHILDREN WITH ASTHMA IN THE EMERGENCY DEPARTMENT; WHAT DID THE CHEST X-RAY CHANGE?

P. Kratimenos (1); I. Koutroulis (2); D. Marconi (1); G. F. Lim (1); D. R. Rubio (1); J. Jaeger (1); J. Lichtenberger (1)
(1) Long Branch, United States of America; (2) Philadelphia, United States of America

13:00-14:25

MIRAGAIA HALL

Poster Session: Smallness for gestational age. Prematurity.

Chairperson: M. Blennow Stockholm, Sweden

BIRTH WEIGHT STANDARDS DEFINED BY HEALTHY POPULATIONS: IMPROVED IDENTIFICATION OF INFANTS BORN SMALL-FOR-GESTATIONAL-AGE AND AT RISK OF ADVERSE NEONATAL OUTCOMES?

L. Hoftiezer (3); C. W. P. M. Hukkelhoven (2); M. Hogeveen (1); R. A. van Lingen (3) (1) *Nijmegen, The Netherlands*; (2) *Utrecht, The Netherlands*; (3) *Zwolle, The Netherlands*

ASSOCIATION BETWEEN NEONATAL WEIGHT CHANGE AND GLUCOSE METABOLISM AT 4 YEARS OLD

M. J. Fonseca (2); H. Barros (1,2); A. C. Santos (1,2) (1,2) *Porto, Portugal*

THE IMPACT OF TWIN PREGNANCY BIRTH AND BIRTH WEIGHT DISCORDANCE ON NEONATAL OUTCOMES

L. Bassi (1); P. Schiavolin (1); M. Groppo (1); I. Sirgiovanni (1); A. Decarli (1); S. Pisoni (1); S. Passera (1); G. Damiano (1); S. Uccella (1); M. Fumagalli (1); F. Mosca (1); D. Consonni (2) (1-2) *Milan, Italy*

MORBIDITY IN NEONATES WITH INTRAUTERINE GROWTH RETARDATION AND APPLICATION OF EPIDURAL ANALGESIA DURING DELIVERY

M. Senohradski; S. Zakic Vukovic; M. Vasiljevic; T. Petrovic; P. Cabunac *Belgrade, Serbia*

GESTATIONAL AGE MODULATES THE EFFECT OF MATERNAL HYPERTENSION AND CHORIOAMNIONITIS ON NEONATAL OUTCOMES IN VERY PRETERM INFANTS

L. Gagliardi; F. Rusconi (1) R. Bellù (2) R. Zanini (2) (1) *Florence, Italy*; (2) *Lecco, Italy* (3) *Viareggio, Italy*

GESTATIONAL AGE, BIRTH WEIGHT, AND INFANTILE COLIC

I. Milidou (1); C. Søndergaard (2); M. Søndergaard Jensen (2); J. Olsen (3); T. Brink Henriksen (1) (1-3) *Aarhus, Denmark*

MATERNAL DISEASE IN PREGNANCY AND FAILURE ON HEARING SCREENING IN SMALL- AND LARGE-FOR-GESTATIONAL-AGE NEONATES.

I. Ulanovsky (1); T. Smolkin (1,2); S. Blazer (1,2); O. Mick (1); I. Makhoul (1,2) (1,2) *Haifa, Israel*

ACUNA SEN34-36. DATABASE FOR LATE PRETERM BABIES IN SPANISH HOSPITALS. PRELIMINARY DATA.

J. Hurtado Suazo (1); G. Ginovart (2); M. García Reymundo (3); M. Calvo Aguilar (4); B. Fernández Colomer (5); A. Jimenez Moya (6); C. Garriga Braun (7); X. Demestre Guasch (8) (1) *Granada, Spain*; (2) *Barcelona, Spain*; (3) *Merida, Spain*; (4) *San Jorge, Spain*; (5) *Asturias, Spain*; (6) *Cadiz, Spain*; (7) *Madrid, Spain*; (8) *Barcelona, Spain*

IS NEONATAL MORTALITY RATE (NMR) OF TWINS AND TRIPLETS OF VERY-LOW-GESTATIONAL-AGE (VLGA) BETTER THAN SINGLETONS OR SAME GESTATIONAL AGE? A EURONEONET STUDY

A. Valls-i-Soler; A. Azpeitia on behalf of the European Neonatal Network (EuroNeoNet)
Barakaldo, Spain

MAJOR BIRTH DEFECTS IN VERY PRETERM OR VERY LOW BIRTH WEIGHT INFANTS IN EUROPE. RESULTS FROM THE EURONEONET NETWORK.

C. Corchia (2); A. Azpeitia García (1); M. Cuttini (2); A. Valls-i-Soler (3) for the EuroNeoNet Working Group.
(1,3) *Bilbao, Spain*; (2) *Rome, Italy*

THE IMPACT OF SMALL FOR GESTATIONAL AGE (SGA) AS A RISK FACTOR FOR RETINOPATHY OF PREMATURITY (ROP) IS DEPENDENT ON GESTATIONAL AGE

P. Lundgren (1); I. Hansen-Pupp (2); G. Holmström (3); D. Ley (2); A. Niklasson (4); L. E. H. Smith (5); C. Wu (5); C. Löfqvist (1); A. Hellström (1)
(1,4) *Gothenburg, Sweden*; (2) *Lund, Sweden*; (3) *Uppsala, Sweden*; (5) *Boston, United States of America*

INCIDENCE OF DEVELOPMENTAL DYSPLASIA OF THE HIP FOLLOWING ATTEMPTED EXTERNAL CEPHALIC VERSION

J. V. Gill; J. Morgan, (1); R. Dove (2); M. Kessler (3); S. P. Wardle (1)
(1,2,3) *Nottingham, United Kingdom*

WHAT WE TALK ABOUT WHEN WE TALK ABOUT NICUS: RESULTS OF THE STUDIO OSSERVAZIONALE IN NEONATOLOGIA, ASSISTENZA E CURE (SONAR) STUDY

L. Gagliardi; R. Bellù (2); E. Bertino (3); C. Corchia (4); A. Zangrandi (5); R. Zanini (2)
(1) *Camaione*; (2) *Lecco, Italy*; (3) *Turin, Italy*; (4) *Rome, Italy*; (5) *Parma, Italy*

14:30-16:25

INFANTE HALL

Parallel Session: Pulmonology track II

Chairpersons: O. Danhaive San Francisco, United States of America - D. De Luca Paris, France/Rome, Italy

14:30-14:55 **Keynote Lecture: HIGH-FREQUENCY VENTILATION - STILL REALLY NECESSARY?**
A.H.L.C. Van Kaam, *Amsterdam, The Netherlands*

14:55-15:10 **VENTILATORY SETTINGS ON HIGH FREQUENCY OSCILLATORY VENTILATION WITH VN-500 AFTER SWITCH FROM CONVENTIONAL VENTILATION**
J. Mazela (1); A. Gradzka-Luczevska (1); J. Stachnik (2); S. Korzan (2); L. Kramer (3); M. Keszler (4); J. Gadzinowski (1)
(1,2,3) *Poznan, Poland*; (4) *Providence, RI, United States of America*

15:10-15:25 **EFFECTS OF THE SYSTEMATIC INTRODUCTION OF A LOW-COST BUBBLE NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE IN A LARGE NEONATAL INTENSIVE CARE UNIT IN NICARAGUA**
R. Rezzonico (6); M. Bonati (2); V. Manfredini (1); M. Cartabia (2); M. L. Caccamo (3); N. Sanchez (4); S. Parades (4); P. Froesch (5); F. Cavalli (5)
(1) *Rho, Italy*; (2,6) *Milan, Italy*; (3) *Florence, Italy*; (4) *Managua, Nicaragua*; (5) *Giubiasco, Switzerland*

15:25-15:40 **EFFICACY OF FLOW SYNCHRONIZED NASAL INTERMITTENT POSITIVE PRESSURE VENTILATION (S-NIPPV) TO TREAT APNOEA OF PREMATURITY (AOP)**

C. Gizzi (1); F. Montecchia (2); V. Panetta (3); C. Castellano (1); C. Mariani (1); M. Campelli (1); P. Papoff (4); C. Moretti (4); R. Agostino (1)
(1,2,3,4) Rome, Italy

15:40-15:55 **VALIDATION OF A FLOW-SENSOR FOR NASAL SYNCHRONIZED VENTILATION IN A SIMULATED NEONATAL MODEL**
C. Moretti (1); C. Gizzi (2); F. Montecchia (3); P. Papoff (1); C. Cerasaro (1); R. Agostino (2); M. Sanchez-Luna (4)
(1,2,3) Rome, Italy; (4) Madrid, Spain

15:55-16:10 **WORK OF BREATHING FOR NEONATAL FLOW METERS WITH IN-LINE AND FLOW-THROUGH TECHNIQUE IN SIMULATED BREATHING**
T. Drevhammar (3); S. Donaldsson (1); K. Nilsson (2); B. Jonsson (3)
(1,3) Stockholm, Sweden; (2) Östersund, Sweden

16:10-16:25 **FEASIBILITY OF A NEW CARDIO-RESPIRATORY MONITOR IN PRETERM INFANTS: TRANSCUTANEOUS ELECTROMYOGRAPHY OF THE DIAPHRAGM**
J.V.S. Kraaijenga (1); G. J. Hutten (1); L. A. van Eykern (2); F. H. C. de Jongh(1); A.H.L.C. Van Kaam (1)
(1) Amsterdam, The Netherlands; (2) Zuidhorn, The Netherlands

14:30-16:25

D. LUIS HALL

Parallel Session: Clinical ethics

Chairpersons: M. Cuttini Roma, Italy - D. Virella Lisbon, Portugal

14:30-14:55 **Keynote Lecture: THE ETHICS OF MORTALITY STATISTICS**
J. Wyatt London, United Kingdom

14:55-15:10 **LAWS AND RECOMMENDATIONS GOVERNING THE CARE OF VERY PRETERM INFANTS IN 19 EUROPEAN REGIONS : RESULTS FROM THE EPICE PROJECT**
M. Bonet; The Epice Research Group
Paris, France

15:10-15:25 **REGIONAL DIFFERENCES IN OUTCOMES OF EXTREMELY PRETERM INFANTS IN SWEDEN AT 2.5 YEARS IN RELATION TO THE INTENSITY OF PERINATAL MANAGEMENT (THE EXPRESS STUDY)**
F. Serenius (1); G. Sjörs (1); M. Blennow (2); V. Fellman (3); G. Holmström (4); K. Marsal (5); E. Lindberg (6); E. Olhager (7); L. Stigson (8); M. Westgren (9); K. Källén (10) for The Express Study Group
(1,4) Uppsala, Sweden; (2,9) Stockholm, Sweden; (3,5,10) Lund, Sweden; (6) Orebro, Sweden; (7) Linköping, Sweden; (8) Goteborg, Sweden

15:25-15:40 **EVOLUTION OF ETHICAL DECISION-MAKING POLICIES IN EUROPEAN MATERNITY AND NEONATAL UNITS FROM 2003 TO 2012: RESULT FROM THE EPICE PROJECT**
M. Bonet; The Epice Research Group
Paris, France

15:40-15:55 **BEREAVEMENT, SOCIAL AND MEDICAL SUPPORT IN END-OF LIFE NEONATAL CARE**
A.R. Geoghegan; S. Power; A. Shannon; E. J. Molloy
Dublin, Ireland

15:55-16.10 **MODE OF DYING IN AN IRISH NEONATAL ICU**
D. Finn; A. Collins; E. Dempsey
Cork, Ireland

- 16:10-16:25 **CHANGES IN PERINATAL CARE AND OUTCOMES IN NEWBORN AT THE LIMIT OF VIABILITY: A COMPARISON OF TWO PERIODS (THE EPI-SEN STUDY).**
R. Fermín García-Muñoz (1); J. Figueras Aloy (2); A. García-Alix Pérez (3); J. López de Heredia (4)
(1) Las Palmas, Spain; (2,3,4) Barcelona, Spain

14:30-16:10

ARRABIDA HALL

Parallel Session: Improvement of quality of clinical care

Chairpersons: G. Zaharie Cluj-Napoca, Romania - A. Valls-I-Soler Bilbao, Spain

- 14:30-14:55 **Keynote Lecture: IMPLEMENTATION OF QUALITY ASSURANCE - DOES IT PAY OFF?**
M.J. Lage Lisbon, Portugal
- 14:55-15:10 **KNOWLEDGE, ATTITUDE, AND BELIEF OF BURN FIRST AID AMONG CAREGIVERS ATTENDING PEDIATRIC EMERGENCY MEDICINE DEPARTMENTS**
M. Alomar (1); F. F. Alrouqi (1); A. Eldali (2)
(1,2) Riyadh, Saudi Arabia
- 15:10-15:25 **DEATH AUDIT FROM URBAN TERTIARY CARE HOSPITAL OF INDIA AND MODIFIABLE FACTORS FOR PREVENTION OF CHILD MORTALITY**
V. Mahajan; A. Kaur; A. Arya; A. Sharma; V. Brar; C. Azad; V. Guglani
Chandigarh, India
- 15:25-15:40 **DIAGNOSING ACCURATELY ACUTE ABDOMINAL PAIN IN CHILDREN OUTCOMES OF A QUALITY IMPROVEMENT PROJECT IN A PAEDIATRIC EMERGENCY DEPARTMENT**
M. J. Lage (1); H. Flores; D. Cardoso; A. Bento; E. Soares; L. Correia; P. Casella; J. Cabral; A. Malha; I. Bordalo; T. Serrão (Protocol Implementation Group) (1); N. Sevdalis (2)
(1) Lisboa, Portugal; (2) London, United Kingdom
- 15:40-15:55 **MEASURING HEALTH CARE TRANSITION, ADHERENCE AND SELF-MANAGEMENT IN ADOLESCENTS WITH A PROVIDER-CONFIRMED TOOL: THE TRXANSITION SCALE**
M. Ferris
Chapel Hill, United States of America
- 15:55-16:10 **INTEGRATION BETWEEN MEDICAL AND NURSING CHARTS AS A TOOL FOR THE QUALITY IMPROVEMENT AND RISK MANAGEMENT IN NICU**
A. Portanova; V. Cherubini; C. Auriti; G. Marrocco; G. Quaranta; P. Amadio; N. Gioggi; P. Bagolan; A. Dotta
Rome, Italy

14:30-16:25

PORTO HALL

Parallel Session: Paediatric and Neonatal Pharmacology track

Chairpersons: D. Bassler Tubingen, Germany - H. Rabe Brighton, United Kingdom

- 14:30-14:55 **Keynote Lecture: LARGE-SCALE CLINICAL TRIAL OF DOPAMINE - THE CHALLENGES**
E. Dempsey Cork, Ireland
- 14:55-15:10 **POTENTIALLY HARMFUL EXCIPIENTS IN MEDICINES PRESCRIBED TO EUROPEAN NEONATES - ESNEE POINT PREVALENCE STUDY**
G. Nellis (1); I. Lutsar (1); H. Varendi (1); J. Lass (1); M. Turner (2); T. Metsvaht (2)
(1) Tartu, Estonia; (2) Liverpool, United Kingdom
- 15:10-15:25 **DEVELOPMENT OF THE LIVERPOOL ADVERSE DRUG REACTION AVOIDABILITY ASSESSMENT TOOL**
L. Bracken (1); J. Kirkham (2); A. Nunn (3); M. Pirmohamed (4); M. Turner (5)
(1,2,3,4,5) Liverpool, United Kingdom
- 15:25-15:40 **SPONTANEOUS REPORTING OF ADVERSE DRUG REACTIONS TO MEDICATIONS ADMINISTERED ON NEONATAL UNITS: REPORTS TO THE UK YELLOW CARD SCHEME 2001-2010**
D. B. Hawcutt (1); P. Maine (2); M. A. Turner (1)
Liverpool, United Kingdom
- 15:40-15:55 **METHYL AND PROPYL PARABEN CONCENTRATIONS IN PRETERM NEONATES EXPOSED TO CLINICALLY INDICATED MEDICINES FALL WELL WITHIN SAFETY MARGINS FOR OESTROGENIC EFFECTS OF THESE ANTI-MICROBIAL EXCIPIENTS**
M. Turner (1); S. Yakkundi (2); T. Metsvaht (3); H. Varendi (3); G. Nellis (3); J. Windrow (4); S. Graham (4); H. Mulla (5); H. Pandya (5); S. Tapscott (6); N. Caldwell (7); C. Burchett (8); J. Duncan (9); I. Lutsar (3); T. Nunn (9); J. McElroy (2)
(1,4,9) Liverpool, United Kingdom; (2) Belfast, United Kingdom; (3) Tartu, Estonia; (5) Leicester, United Kingdom; (6) Crewe, United Kingdom; (7) Wirral, United Kingdom; (8) Chester, United Kingdom;
- 15:55-16:10 **UMBILICAL CORD AND PLACENTA AS ALTERNATIVE MATRICES FOR COCAINE, OPIOIDS AND METHADONE IN UTERO DRUG-EXPOSURE DETECTION**
A. Concheiro-Guisán (1); E. Gonzalez Colmenero (1); M. Concheiro (1); E. Lendoiro Belio (2); M. Lorenzo Martinez (2); J. Ramon (1); F. Lorenzo (1)
(1) Vigo, Spain; (2) Santiago de Compostela, Spain
- 16:10-16:25 **HOSPITAL-ACQUIRED HYPONATREMIA IN CHILDREN FOLLOWING HYPOTONIC VERSUS ISOTONIC INTRAVENOUS FLUIDS INFUSION: A SINGLE CENTER EXPERIENCE.**
P. Kratimenos (1); I. Koutroulis (2); D. Marconi (1); J. Jaeger (1); A. McInnes (1)
(1) Long Branch, NJ, United States of America; (2) Philadelphia, PA, United States of America

14:30-15:15

NOBLE HALL

Parallel Session: Brain and Development track II

Chairpersons: S. Horsch Rotterdam, The Netherlands - T. Hoehn Düsseldorf, Germany

- 14:30-14:45 **ASTROCYTE-NEURON INTERACTIONS AND DE NOVO SYNTHESIS OF GLUTAMINE AND GLUTAMATE IN THE REPERFUSION PHASE AFTER NEONATAL HYPOXIC-ISCHEMIC BRAIN INJURY.**
E. Brekke (1); T. Sund Morken (2); M. Widerøe (2); A. Håberg (1); A. M. Brubakk (2); U. Sonnewald (1)
(1,2) Trondheim, Sweden
- 14:40-15:00 **DOES PASSIVE COOLING WORK?-A RETROSPECTIVE COHORT STUDY OF NEONATES COOLED DURING NEONATAL TRANSPORT FOR NEONATAL ENCEPHALOPATHY**
A. Sharma; A. Leslie
Leicester, United Kingdom
- 15:00-15:15 **NEURODEVELOPMENTAL PREDICTORS OF SPECIFIC MATHEMATIC ABILITIES IN NEONATAL AT-RISK CHILDREN AT 8;5 YEARS**
J. Jaekel (1,2); D. Wolke (2)
(1,2) Bochum, Germany

15:15-16:25

MIRAGAIA HALL

Brain & Development Section Business Meeting - All are welcome, but only members can vote

16:30-17:00 *Coffee Break*

17:00-18:00

ARCHIVE HALL

Plenary Session: Research ethics

Chairpersons: R. Soll Burlington, USA - T. Austin Cambridge, United Kingdom

- 17:00-17:30 **OPTIMISING ETHICAL REVIEW**
A. Altavilla, Marseille France
- 17:30-18:00 **MINIMAL RISK**
M. Turner, Liverpool United Kingdom

18:00-19:30

DESPACHANTES HALL

Symposium: Nutrition of the Preterm Infant Revisited

Chairperson: **M. Domellöf**, *Umea Sweden*

- | | |
|-------------|--|
| 18:00-18:30 | NUTRIENT NEEDS IN PRETERM INFANTS: AN UPDATE
M. Domellöf , <i>Umea Sweden</i> |
| 18:30-19:00 | HOW CAN DELIVER OPTIMAL NUTRITION TO PRETERM INFANTS?
R. Cooke , <i>Ballina, Co. Mayo Ireland</i> |
| 19:00-19:30 | WHY, HOW AND WHEN SHOULD WE USE PROBIOTICS IN PRETERM INFANTS?
J. C. Picaud , <i>Lyon France</i> |

Symposium supported by an unrestricted educational grant by Nestlé Nutrition Institute

Saturday, October 12th, 2013

08:30-10:30

ARCHIVE HALL

Plenary Session: ESPR Young Investigator Prize session

Chairpersons: L. Zimmermann Maastricht, The Netherlands - G. Greisen Copenhagen, Denmark

- 08:30-09:00 **FROM YOUNG INVESTIGATOR TO SENIOR RESEARCHER**
A. Franz *Tubingen, Germany*
- 09:00-09:15 **MATHEMATICAL DIFFICULTIES IN VERY PRETERM CHILDREN: A DIFFERENT AETIOLOGY THAN CHILDREN WITH DEVELOPMENTAL DYSCALCULIA**
V. Simms (2); S. Clayton (1); L. Cragg (2); C. Gilmore (1); N. Marlow (3); S. Johnson (4)
(1) *Loughborough, United Kingdom*; (2) *Nottingham, United Kingdom*; (3) *London, United Kingdom*; (4) *Leicester, United Kingdom*
- 09:15-09:30 **PULMONARY EFFECTS OF TRANSITION FROM INVASIVE TO NON-INVASIVE RESPIRATORY SUPPORT AND POSITIONAL CHANGE IN PRETERM INFANTS**
P. S. van der Burg; M. Miedema; F. H. C. de Jongh; A.H.L.C. Van Kaam
Amsterdam, The Netherlands
- 09:30-09:45 **PILOT RANDOMISED, BLIND PLACEBO-CONTROLLED TRIAL OF DOBUTAMINE FOR LOW SUPERIOR VENA CAVA FLOW (SVCF) IN THE LOW BIRTH WEIGHT INFANTS (LBWI)**
M. C. Bravo (1); P. López-Ortego (1); L. Sánchez (1); J. Riera (1,2); F. Cabañas (1); R. Madero (3); J. Pérez-Rodríguez (1); J. Quero (1); A. Pellicer (1)
(1,2,3) *Madrid, Spain*
- 09:45-10:00 **TITLE SCAVENGING OF FREE HEMOGLOBIN PROTECTS CHOROID PLEXUS EPITHELIUM FROM APOPTOSIS AND CELL DAMAGE FOLLOWING IVH**
M. Gram (1); S. Sveinsdottir (2); M. Mögelin (2); S. R. Hansson (3); B. Akerström (1); D. Ley (2)
(1,2,3) *Lund, Sweden*
- 10:00-10:15 **PHARMACOKINETICS AND DOSING OF CEFZOLIN IN NEONATES BASED ON TOTAL AND UNBOUND DRUG CONCENTRATIONS**
A. Smits (2); R. F. W. De Cock (1); K. Allegaert (2); J. De Hoon (3); V. Saegeman (4); M. Danhof (1); C. A. J. Knibbe (1)
(1) *Leiden, Belgium*; (2,3,4) *Leuven, Belgium*
- 10:15-10:30 **EFFECT OF NUTRITION IN EARLY POSTNATAL LIFE ON BRAIN VOLUMES IN PRETERM INFANT**
C. Coviello (1,2); G. Floris (2); J. K. Kersbergen (2); J. M. Van Kooij Britt (2); B. Peels (2); I. Isgum (3); P. Moeskops (3); A. M. Viergever (3); L. S. De Vries (2); G. Buonocore (1); V. P. Carnielli (4); J. M. Benders (2)
(1) *Siena, Italy*; (2,3) *Utrecht, The Netherlands*; (4) *Ancona, Italy*

11:00-12:25

INFANTE HALL

Parallel Session: Brain and Development track I

Chairpersons: C. Hagmann Lucerne, Switzerland - J. Dudink Rotterdam, The Netherlands

- 11:00-11:25 **Keynote Lecture: DIFFUSION TENSOR IMAGING-READY FOR CLINICAL USE?**
Z. Nagy London, United Kingdom
- 11:25-11:40 **ALTERED REGIONAL MICROSTRUCTURE IN THE CORPUS CALLOSUM (CC) IN INFANTS WITH CONGENITAL HEART DEFECTS (CHD)**
J. Majerova (1); M. Makki (2); W. Knirsch (3); B. Latal (4); C. Hagmann (1) (1,2,3,4) Zurich, Switzerland
- 11:40-11:55 **EARLY DETECTION OF VENTILATION-INDUCED BRAIN INJURY USING MAGNETIC RESONANCE SPECTROSCOPY AND DIFFUSION TENSOR IMAGING**
B. Skiöld (1); S. Hooper (2,3); P. Davis (1); M. Tolcos (2); J. Pearson (4); Qi Wu (4,5); R. Vreys (4); G. Egan (4); S. Barton (2); J. Cheong (1); G. Polglase (2,3) (1) Melbourne, Australia; (2,3,4,5) Clayton, Australia
- 11:55-12:10 **THE IMPACT OF QUALITY AND POSTPROCESSING METHODS OF DIFFUSION TENSOR IMAGING ON FIBER TRACTOGRAPHY OF THE PRETERM BRAIN**
A. Plaisier (1); K. Pieterman (1); A. Leemans (3); M. H. Lequin (2); P. Govaert (1,4); A. M. Heemskerk (1); I. K. M. Reiss (1); J. Dudink (1,2) (1,2) Rotterdam, The Netherlands; (3) Utrecht, The Netherlands; (4) Antwerp, Belgium
- 12:10-12:25 **QUANTITATIVE ASSESSMENT OF T1 RELAXATION AND DIFFUSION AS A PROGNOSTIC TOOL FOR BRAIN DEVELOPMENT: A SERIAL STUDY ON HEALTHY PRETERM BABIES**
J. Schneider (1); T. Kober (4); M. Bickle-Graz (1); R. Meuli (2); P. S. Hüppi (3); P. Hagmann (2); A. C. Truttmann (1) (1,2,4) Lausanne, Switzerland; (3) Geneva, Switzerland

11:00-12:30

D. MARIA HALL

Parallel Session: Nutrition, Metabolism and Gastroenterology track

Chairpersons: G. Zachariassen Odense, Denmark - T. Senterre Liege, Belgium

- 11:00-11:15 **OBESE WOMEN'S TWO-HOUR POSTPRANDIAL GLUCOSE LEVEL IS ASSOCIATED WITH OFFSPRING FAT MASS AND BIRTH WEIGHT, BUT NOT WITH LEAN MASS.**
E. Malchau Carlsen (1); K. Renault (2); K. Nørgaard (3); L. Nilas (2); N. J. Secher (4); J. E. Bech-Jensen (3); L. Hyldstrup (3); D. Cortes (1); O. Pryds (1) (1,2,3) Hvidovre, Denmark; (4) Copenhagen, Denmark
- 11:15-11:30 **IDENTIFICATION OF CLUSTERS OF BODY COMPOSITION AND TIME CHANGES FROM 4 TO 7 YEARS IN CHILDREN FROM GENERATION XXI**
S. Santos (1); M. Severo (1,2); A. C. Santos (1,2); C. Lopes (1,2); H. Barros (1,2); Á. Oliveira (1,2) (1,2) Porto, Portugal
- 11:30-11:45 **BIRTH WEIGHT AND BODY MASS INDEX AT 4 YEARS OF AGE: THERE IS A MEDIATOR EFFECT OF UMBILICAL CORD ADIPOKINES?**
A. R. Costa (1,2); S. Correia (1,2); H. Barros (1,2); A. C. Santos (1,2) (1,2) Porto, Portugal

- 11:45-12:00 **THERAPEUTIC EDUCATION PROGRAM FOR CHILDREN AND ADOLESCENTS OBESITY. RESULTS OF A PILOT TRIAL.**
V. D. Patianna (1); P. Catherine (2); C. Ariane (2); G. Dominique (2); A. Melanie (2); I. Lorenzo (1); G. De Filippo (2)
(1) *Modena, Italy*, (2) *Paris, France*
- 12:00-12:15 **EFFECT OF CHILDHOOD OBESITY INTERVENTION PROGRAMS ON INSULIN SENSITIVITY, LIPID PROFILE, ADIPOKINES AND LOW-GRADE INFLAMMATION IN 3- TO 5-YEAR-OLD CHILDREN.**
G. Bocca (1); E. Corpeleijn (2); R. Stolk (2); B. Wolffenbuttel (3); P. Sauer (1)
(1-4) *Groningen, The Netherlands*
- 12:15-12:30 **A MULTIDISCIPLINARY INTERVENTION PROGRAM IN 3- TO 5-YEAR-OLD OVERWEIGHT OR OBESE CHILDREN: EFFECTS ON HEALTH STATUS, EATING BEHAVIOR, AND QUALITY OF LIFE.**
G. Bocca (1); M. Kuitert (1); E. Corpeleijn (2); B. Flapper (1); R. Stolk (2); P. Sauer (1)
Groningen, The Netherlands

11:00-12:25

D. LUIS HALL

Parallel Session: Epidemiology track

Chairpersons: L. Gagliardi Lucca, Italy - A. K. Edstedt Bonamy Stockholm, Sweden

- 11:00-11:25 **Keynote Lecture: EFFECTIVE PERINATAL INTENSIVE CARE IN EUROPE - CHALLENGES AND OPPORTUNITIES**
J. Zeitlin, *Paris France*
- 11:25-11:40 **EVOLUTIONS IN FETAL AND NEONATAL MORTALITY RATES IN EUROPEAN COUNTRIES: RESULTS FROM THE EURO-PERISTAT PROJECT**
A. Mohangoo (1); J. Zeitlin (2)
(1) *Leiden, The Netherlands*; (2) *Paris, France*
- 11:40-11:55 **NICU VOLUME AND EARLY MORTALITY: A POPULATION-BASED STUDY ON VLBW INFANTS IN A GERMAN COHORT**
R. Hentschel (1); K. Günther (1); W. Vach (2); M. Teufel (3); T. Böhrer (4); M. Mohrmann (5); J. Arand (6); I. Dick (7); I. Bruder (8); W. Kachel (9)
(1,2,3) *Freiburg, Germany*; (4) *Karlsruhe, Germany*; (5) *Lahr, Germany*; (6) *Tubingen, Germany*; (7,8) *Stuttgart, Germany*; (9) *Heilbronn, Germany*
- 11:55-12:10 **ORGANIZATIONAL FEATURES IN ITALIAN NICUS**
A. Zangrandi (1); C. Corchia (2); S. Fanelli (3); F. Favalli (4); L. Gagliardi (5); R. Zanini (6); R. Bellù (6)
(1,3,4) *Parma, Italy*; (2) *Rome, Italy*; (5) *Viareggio, Italy*; (6) *Lecco, Italy*
- 12:10-12:25 **OUTCOMES OF INFANTS <32 WEEKS' BORN IN NON-TERTIARY HOSPITALS: A POPULATION-BASED COHORT STUDY OVER 20 YEARS.**
R. Boland (1,3); M. A. Davey (5); J. Dawson (1,2,4); P. Davis (1,4); K. Gibson (5); L. Doyle (1,2,4)
(1,2,3,4) *Melbourne, Australia*; (5) *Victoria, Australia*

11:00-12:25

DESPACHANTES HALL

UENPS session 1 - Nosocomial infection in neonatal intensive care

Chairpersons: G. Buonocore Siena, Italy - M. Thio Melbourne, Australia

11:00-11:20 DEFINITIONS FOR RELIABLE STATISTICS

A. Valls-I-Soler Bilbao, Spain

11:20-11:40 PREVENTION. HOW CAN WE DO BETTER?

S. Lee Toronto, Canada

11:40-12:00 THE PRESENCE OF THE FAMILY - RISK OR PROTECTION?

D. Haumont Bruxelles, Belgium

12:00-12:20 ANTIBIOTIC POLICY - WHAT IS IMPORTANT?

M. Hall Southampton, United Kingdom

12:20-12:25 DISCUSSION

11:00-12:25

MIRAGAIA HALL

Pulmonology Section Business Meeting - All are welcome, but only members can vote

12:30-12:55 *Pick-up Lunch*

13:00-14:25

MIRAGAIA HALL

Poster Session: Diagnostic Methodology

Chairperson: G. Greisen Copenhagen, Denmark

DEVELOPMENT AND VALIDATION OF A DIAGNOSTIC PREDICTIVE SCALE URINARY TRACT INFECTION IN FEBRILE INFANTS

*L. A. Mendoza Tascón (1), C. Lucero Cano Bernal (2), M. A. Osorio Ruíz (3), M. Arias Guatibonza (4), L. I. Mendoza Tascón (5), D. García Mendoza (5).
(1,3,5) Tuluá, Colombia; (2,4) Cali, Colombia*

INCREASED SERUM AND URINARY NGAL CONCENTRATIONS IN SEPTIC NEWBORNS FREQUENTLY IS NOT RELATED TO ACUTE KIDNEY INJURY

*M. Smertka; J. Wróblewska; D. Jadamus-Niebrój; R. Krawczyk; T. Owsianka-Podlesny; I. Maruniak-Chudek
Katowice, Poland*

URINE NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN DOES NOT PREDICT MILD AKI IN PRETERM NEONATES.

*K. Sarafidis (1); E. Tsepkentzi (1); E. Diamanti (1); E. Agakidou (1); A. Taparkou (2); V. Soubasi (1); F. Papachristou (2); V. Drossou (1)
(1,2) Thessaloniki, Greece*

QUANTITATIVE DETERMINATION OF BIOMARKERS OF PROTEIN, DNA AND LIPID OXIDATION IN URINE SAMPLES OF PRETERM NEWBORNS

J. Kuligowski (1); I. Torres-Cuevas (1); I. Lliso (1); G. Quintás (2); E. Cubells (1); M. Asensi (3); J. Escobar (1); M. Vento (1, 4)
(1-4) *Valencia, Spain*

PAIRED ANALYSIS OF NEONATAL SERUM CREATININE SAMPLES: COMPENSATED JAFFE VERSUS ENZYMATIC QUANTIFICATION

A. Smits; S. Hendrickx (1); K. Crèvecoeur (1); S. Pauwels (2); P. Vermeersch (2); J. Van Den Anker (3); D. Mekahli (4); E. Levtschenko (4); K. Allegaert (1)
(1,2,4) *Leuven, Belgium; (3) Washington, United States Of America*

MEASUREMENT OF THE INTERNATIONAL NORMALIZED RATIO OF PROTHROMBIN TIME USING A PORTABLE DEVICE FOR COAGULATION SCREENING IN HEALTHY TERM NEONATES

S. Iijima (1); A. Ohishi (1); T. Baba (2)
(1,2) *Hamamatsu, Japan*

IS CSF-NEURON-SPECIFIC ENOLASE (NSE) PREDICTIVE OF ADVERSE OUTCOME IN INFANTS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY? A SYSTEMATIC REVIEW AND METAANALYSIS.

A. García-Alix (1); C. Ochoa (2); R. Del Rio (1); T. Agut (1); M. Leon (1); A. Alarcon (1); J. Arnáez (3)
(1,4) *Barcelona, Spain; (2) Zamora, Spain; (3) Burgos, Spain*

CSF-NEURON SPECIFIC ENOLASE (NSE) IS AN ACCURATE BIOMARKER OF BRAIN INJURY IN NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY TREATED WITH HYPOTHERMIA

A. García-Alix (1); T. Agut (1); M. Leon (1); A. Valls (2); J. Muchart (3); G. Arca (1); A. Alarcon (1)
(1-3) *Barcelona, Spain*

IMMUNOLOGICAL PARAMETERS OF BLOOD AT CHILDREN AT THE ALLERGY

S. Navrizova (1)
(1) *Bukhara, Uzbekistan*

THE EFFECT OF A CONTINUOUS GLUCOSE MONITORING SENSOR AS A DIAGNOSTIC TOOL ON HBA1C LEVELS IN CHILDREN WITH TYPE 1 DIABETES MELLITUS

A.L. Meendering (1); A. C. M. Dassel (1); E. A. J. M. Spaans-Hummelink (2)
(1) *Deventer, The Netherlands; (2) Zwolle, The Netherlands*

CROSS-CORRELATION OF HEART RATE AND OXYGEN SATURATION: A NEW METRIC FOR PREDICTIVE MONITORING FOR SEPSIS AND NEC

K. Fairchild; B. Vergales (1); D. Lake (2); R. Sahni (3); D. Bateman (3); P. Grieve (3); J. Isler (3); R. Moorman (2)
(1,2,3) *Charlottesville, United States Of America*

BIOIMPEDANCE SPECTROSCOPY (BIS) PARAMETERS IN HEALTHY CHILDREN: RELATIONSHIP TO AGE, WEIGHT, LENGTH AND BODY MASS INDEX (BMI)

S. Brantlov (3); T. B. Andersen (1); L. Jødal (1); A. Lange (2)
(1) *Aalborg, Denmark; (2) Aarhus, Denmark*

ULTRASONOGRAPHY IMAGE OF THE THYROID GLAND IN NEONATES BORN TO MOTHERS WITH HYPOTHYROIDISM

A. Mikolajczak; R. Bokinić
Warsaw, Poland

COMPARATIVE EVALUATION OF ULTRASONOGRAPHY AND MAGNETIC RESONANCE IMAGING IN ACUTE KNEE INJURIES IN CHILDREN.

M. Tishchenko; T. Akhadov; S. Sidorin; I. Melnikov
Moscow, Russia

COMPARATIVE EVALUATION OF ULTRASOUND AND LOW DOSE CONTRAST ENHANCED CT IN PEDIATRIC BLUNT ABDOMINAL TRAUMA.

I. Melnikov (1); T. Akhadov (1); N. Semenova (1); O. Karaseva (2); M. Tumanova (1); M. Ublinsky (1)
Moscow, Russia

DEVELOPMENT AND VALIDATION OF A DIAGNOSTIC SCALE DEHYDRATION IN INFANTS WITH FEVER

L. A. Mendoza Tascón; M. Arias Guatibonza (1); M. A. Osorio Ruiz (2)
(1,2,3) Buga, Colombia

MARKED VARIATION OF BLANCHING PRESSURE APPLIED BY PAEDIATRIC STAFF DURING CAPILLARY REFILL ASSESSMENT ALTERS THE MEASUREMENT RESULT

D. Sharkey; L. Barker; C. Henry; E. Lincoln; H. Shalabi
Nottingham, United Kingdom

SCREENING FOR DEVELOPMENTAL DELAY IN INFANTS BORN LATE AND MODERATELY PRETERM: VALIDITY OF A PARENT REPORT MEASURE

S. Blaggan (1); E. Boyle (1); A. Guy (1); B. Manktelow (1); E. Spata (1); D. Wolke (2); S. Johnson (1)
(1) Leicester, United Kingdom; (2) Coventry, United Kingdom

HOW TERRIBLE ARE THE TERRIBLE TWOS? REFERENCE VALUES FOR THE CBCL AT 2 TO 2.5 YEARS.

G. Hannon (1); J. O. Hourihane (1); A. Irvine (2); L. Kenny (3); M. Kiely (4); D. Murray (1)
(1,3,4) Cork, Ireland; (2) Dublin, Ireland

13:00-14:25

DESPACHANTES HALL

Poster Session: Preterm infants & outcome

Chairperson: N. Marlow London, UK

AUDITORY EVENT-RELATED POTENTIALS AND OUTCOME AT PRESCHOOL AGE AFTER VERY PRETERM BIRTH.

H. Holger (1); E. Partanen (2); K. Stjernqvist (3); E. Tideman (3); M. Huotilainen (2,4); V. Fellman (1,5)
(1,3) Lund, Sweden; (2,4) Helsinki, Finland

REGIONAL CHANGES OF CORTICAL THICKNESS IN CHILDREN BORN PREMATURELY AND CHILDREN BORN WITH INTRAUTERINE GROWTH RESTRICTION AT SCHOOL AGE

L. Vasung (1); L. Gui (1); E. Fisch-Gomez (1,2); C. Borradori Tolsa (1); F. Lazeyras (3, 4); P. S. Hüppi (1);
(1,3) Geneva, Switzerland; (2,4) Lausanne, Switzerland

ASSESSMENT OF SPONTANEOUS MOTOR REPERTOIRE AT 14 WEEKS POST TERM AGE IN EXTREMELY LOW BIRTH WEIGHT (ELBW) CHILDREN IS ASSOCIATED WITH BRAIN VOLUMES AND CLINICAL FUNCTION AT 10 YEARS OF AGE

K. Hermansen Grunewaldt (1,2); T. Fjørtoft (2,4); G. C. Christensen Løhaugen (1,3); K. J. Bjuland (1); A. M. Brubakk (1,2); K. A. I. Evensen (1,5,6); J. Skranes (1,3)
(1,2,3,4,5,6) Trondheim, Norway

WHITE MATTER VOLUME AND BIRTH WEIGHT ARE ASSOCIATED WITH CORTICAL THICKNESS IN PRETERM ADOLESCENTS

L. Zubiaurre-Elorza (3); M. Gimenez (1,4); S. Soria-Pastor (1,5); R. Cusack (3), A. Narberhaus (1); D. Segarra (1); P. Vendrell (1,2); F. Botet (6); C. Junque (1,2).
(1,2,4,5) *Barcelona, Spain*; (6) *London, United Kingdom*

DEFICITS IN EPISODIC MEMORY RELATE TO REDUCED HIPPOCAMPAL VOLUMES IN VERY-LOW-BIRTH-WEIGHT (VLBW) YOUNG ADULTS.

G. C. C. Løhaugen (1); K. J. Bjuland (1); M. Martinussen (1); J. Skranes (1, 2)
(1) *Trondheim, Norway*; (2) *Arendal, Norway*

LONGITUDINAL FOLLOW UP IN A COHORT OF ELBW AND VLBW INFANTS USING BAYLEY-III

V. Soubasi (2); K. Velikos (1); I. Michalettou (1); V. Papadopoulou (1); K. Sarafidis (2);
D. Zafeiriou (3); V. Drossou (2)
(1-3) *Thessaloniki, Greece*

ANXIETY NETWORKS AND BRAIN MORPHOMETRY IN VERY LOW BIRTH WEIGHT ADOLESCENTS

V. N. Lozano-Botellero (1); M. Martinussen (1,5); J. Skranes (1,4); O. Haraldseth (3), S. Lydersen (2); A. M. Brubakk (1,4); M. S. Indredavik (1,2,6)
(1-6) *Trondheim, Norway*

GROWTH AND DEVELOPMENT IN SYMMETRICAL AND ASYMMETRICAL GROWTH RESTRICTED PRETERM-BORN CHILDREN

I. Bocca-Tjeertes (1); A. Bos (1); J. Kerstjens (1); A. De Winter (2); S. Reijneveld (2)
(1,2) *Groningen, The Netherlands*

CLINICAL ALERT: HIGH RISK OF CEREBRAL SINOVENOUS THROMBOSIS IN PRETERM INFANTS

M. Raets (1); J. J. Sol(1); P.Govaert(1,2); M. Lequin(3); I. K.M. Reiss(1); A. A. Kroon(1);
I. M. Appel (4); J. Dudink (1,3)
(1,3,4) *Rotterdam, The Netherlands*; (2) *Antwerp, Belgium*

CAN QUALITY OF INFANT MOTOR BEHAVIOR AT 3 MONTHS POST-TERM AGE PREDICT LATER MOTOR AND COGNITIVE OUTCOME AT 10 YEARS OF AGE IN HIGH-RISK CHILDREN?

K. A. I. Evensen (3,4,6); T. Fjørtoft (1,3); K. Hermansen Grunewaldt (2,3); T. Ustad (1);
G. C. Christensen Løhaugen (3,5); S. Mørkved (1,4), J. Skranes (3,5)
(1,2,3,4,5,6) *Trondheim, Norway*

FIVE-YEARS-OLD CHILDREN WITH CEREBRAL PALSY BORN LATE AND MODERATE PRETERM IN 2001-2005 FROM A EUROPEAN NATIONAL SURVEILLANCE REGISTRY

D. Virella (7); A. Cadete (1); T. Folha (2); M. da Graça Andrada (3); R. Gouveia (4); J. Alvarelhão (5); E. Calado (6)
(1,2,3,4,5,6,7) *Lisboa, Portugal*

LONG-TERM OUTCOMES OF EXTREME PRETERMS IN A DISTRICT GENERAL HOSPITAL

K. Tanney (1,2); D. Armstrong (2)
(1) *Belfast, United Kingdom*; (2) *Derry, United Kingdom*

13:00-14:25

ARRABIDA HALL

Poster Session: Quality Improvement, Safety and Error Prevention

Chairperson: M. J. Lage Lisbon, Portugal

THE DEVELOPMENT AND IMPLEMENTATION OF A RISK ASSESSMENT TOOL (LABOUR) FOR ATTENDING DELIVERIES ON LABOUR WARD

R. Hayward

Cardiff, United Kingdom

INVESTIGATION OF NEONATAL ENCEPHALOPATHY: THE LOST PLACENTAL 'BLACK BOX'

D. Gardner (1); A. Curley(2); V. Venkatesh(2); S. Victor(3,4); M. A. Turner(1,5); P. Clarke(6)

(1,5) Liverpool, United Kingdom; (2) Cambridge, United Kingdom; (3,4) Manchester, United Kingdom; (6) Norwich, United Kingdom

CAN A CHANGE IN INSTITUTIONAL PRACTICE BY AVOIDING ELECTIVE C-SECTION BEFORE 39-WEEKS GESTATION DECREASE NICU ADMISSIONS AND HOSPITAL COSTS?

A. Soliz; L. Scott

Coral Gables, United States of America

NATIONAL SURVEY ON MANAGEMENT OF NEONATES BORN TO MOTHERS WITH POLYHYDRAMNIOS TO EXCLUDE OESOPHAGEAL ATRESIA IN THE UNITED KINGDOM

H. Gowda; Y. Tan; P. Satodia

Coventry, United Kingdom

IS ANALYTICAL CONTROL NEEDED FOR THE INFANTS BORN TO MOTHERS WITH AUTOIMMUNE HYPOTHYROIDISM? PROTOCOL REVISION TO IMPROVE CLINICAL CARE

M. Ríaza (1); N. Lacámara (2); P. Ros (2); B. Del Rey (1); M. Marín (1); C. González (1); M. Sánchez (1); M. Muñoz (1); A. Malalana (1)

(1,2) Madrid, Spain

THYROID FUNCTION TESTS IN NEONATES BORN TO MOTHERS WITH THYROID DISEASE: AN ANALYSIS OF PRACTICE AND OUTCOME

A. Chesover (2); J. Egyepong (1)

(1) Luton, United Kingdom

IMPROVING THE ADMISSION TEMPERATURE IN PRETERM INFANTS - A TERTIARY NEONATAL EXPERIENCE

S. Mitra; A. Cantarella; M. Nugent; S. Watkin

London, United Kingdom

USE OF AND COMPLICATIONS OF FEMORAL VASCULAR CATHETERISATION IN THE NEONATAL INTENSIVE CARE UNIT

C. W. Yoxall (2); P.T. Townsley (1)

(1,2) Liverpool, United Kingdom

AUDIT OF NEONATAL ENTERAL NUTRITION IN NORTHERN IRELAND 2012

J. Courtney; C. Gupta, C. Mayes, S. Craig

Royal Jubilee Maternity Hospital, Neonatal Unit

IS NEONATAL GONAD RADIATION EXPOSURE A SIGNIFICANT PROBLEM IN PREMATURE INFANTS?

S. Pal; A. Curley

Cambridge, United Kingdom

HOW SAFE IS INSULIN USE IN PRETERM INFANTS?: A UK TERTIARY NEONATAL INTENSIVE CARE UNIT EXPERIENCE

M. Grosdenier; L. Burgess; C. Morgan
Liverpool, United Kingdom

BETTER NICU MANAGEMENT USING EFQM SYSTEM

E. Nadir (1); M. Feldman (1); Y. Fahima (1); Y. Peretz (1); A. Bar'am (2); Y. Al Yagor (3)
(1-3) *Hadera, Israel*

'SAFE TAXI': QUALITY IMPROVEMENT PRGRAM FOR NEWBORN'S FIRST VEHICLE RIDE HOME

S. Eventov-Friedman (1); B. Bar-Oz (1); R. Yaffa Zisk-Rony (2)
(1,2) *Jerusalem, Israel*

ADVERSE DRUG REACTIONS IN CHILDREN - HOW SAFE ARE MEDICINES WE PRESCRIBE IN HOSPITAL?

S. Thiesen (1); E. J. Conroy (2); J. R. Bellis (3); L. E. Bracken (3); H. L. Mannix (3); K. A. Bird (4); J. C. Duncan (3); L. Cresswell (5); L. J. J. Kirkham (2); M. Peak (3); P. R. Williamson (2); A. J. Nunn (1); M. A. Turner (1); M. Pirmohamed (6); R. L. Smyth (7)
(1-4, 6) *Liverpool, United Kingdom*; (5) *Cambridge, United Kingdom*; (7) *London, United Kingdom*

CRANIAL DEFORMATIONS, DIMENSIONS AND CERVICAL RANGE OF MOTION IN HEALTHY NEONATES

H. Aarnivala (1); A. M. Valkama (1); P. Pirttiniemi (2); W. Serlo (3)
(1-3) *Oulu, Finland*

POPULATION STUDY OF THE BONE TISSUE STRUCTURAL-FUNCTIONAL STATE IN CHILDREN AND TEEN-AGES IN THE EAST OF UKRAINE.

T. Frolova; O. Okhapkina; I. Siniaieva; I. Tereshenkova
Kharkov, Ukraine

MICROSAMPLING REDUCES RED BLOOD CELL TRANSFUSIONAL NEED IN VLBW INFANTS

B. Perrone; V. P. Carnielli
Ancona, Italy

13:00-14:25

S. JOAO HALL

Poster Session: Obesity. Gastroenterology

Chairperson: M. Domellöf Umea, Sweden

IS WEIGHT TO HEIGHT RATIO A GOOD INDICATOR OF BODY FAT IN 3-7 YEAR CHILDREN ?

S. Anna(1,2); E. Corpeleijn (2); P. Sauer (1)
(1,2) Groningen, The Netherlands

A QUALITATIVE STUDY IN AN IRISH GENERAL PRACTICE OF THE KNOWLEDGE AND ATTITUDES OF PREGNANT WOMEN REGARDING WEIGHT AND NUTRITION IN PREGNANCY.

M. Crealey; S. Prosser
Dublin, Ireland

WEIGHT GAIN FROM BIRTH TO 1 YEAR, BREAST FEEDING DURATION AND STROKES HISTORY AS RISK FACTORS OF METABOLIC SYNDROME IN ADOLESCENTS

A. Solntsava; L. Viazava
Minsk, Belarus

OVERWEIGHT AND OBESITY IN SCHOOL-AGE CHILDREN: CASE SERIES

N. Costa (1); M. B. Silva (1)
Lisboa, Portugal

ASSOCIATION BETWEEN NEONATAL WEIGHT CHANGE AND BLOOD LIPID LEVELS AT 4 YEARS OLD

M.J. Fonseca (1,2), H. Barros (1,2) A. C. Santos (1,2)
(1) Institute of Public Health, University of Porto; (2) Department of Clinical Epidemiology, Predictive Medicine and Public Health, University of Porto Medical School

LIPID PROFILES IN FORMER PRETERM TYROLEAN PRESCHOOLERS - PRELIMINARY DATA

A. Posod; U. Pupp Peglow; N. Pehböck-Walser; K. Kager; E. Griesmaier; U. Kiechl-Kohlendorfer
Innsbruck, Austria

DIET: CAUSE OR SOLUTION ON CHILDHOOD OBESITY? THE ROLE OF FIBER.

M. I. Monteiro (1); I. Nunes (1); F. Costa (2); E. Marques (2); L. Gomes (1); M. Costa (1)
(1,2) Porto, Portugal

CARDIOVASCULAR RISK FACTORS IMPACT IN CHILDHOOD

B.E. Popovici; M. Maria; M. Marius
Brasov, Romania

HOME TRANSCUTANEOUS ELECTRICAL STIMULATION THERAPY TO TREAT CHILDREN WITH ANORECTAL RETENTION - A PILOT STUDY

Y. Yik (1); J. Hutson (2); B. Southwell (3)
(1,2,3) Kuala Lumpur, Malaysia

TRANSCUTANEOUS ELECTRICAL STIMULATION AND INTRACTABLE CHRONIC CONSTIPATION IN CHILDREN

Y. Yik (1); J. Hutson (2); B. Southwell (3)
(1,2,3) Kuala Lumpur, Malaysia

LACTOBACILLUS REUTERI DSM 17938 PREVENTS SHORT- AND LONG-TERM VISCERAL HYPERSENSITIVITY INDUCED BY ANTIBIOTIC ADMINISTRATION TO SUCKLING RATS

C. L. Garcia Rodenas (1); G. Bergonzelli (1); M. Golliard (1); M. Lepage (2); C. Mettraux (1); A. Riba (3); H. Eutamene (3)
(1,2) *Lausanne, Switzerland*; (3) *Toulouse, France*

CHILDHOOD CHRONIC CONSTIPATION AND GASTROINTESTINAL TRANSIT PATTERNS

Y. Yik (1); D. Cook (2); V. Duncan (2); B. King (2); K. Morris (2); C. Tudball(2); T. Cain (2); B. Southwell (3); J. Hutson (4)
(1,2,3,4) *Kuala Lumpur, Malaysia*

GROWTH AND DEVELOPMENTAL OUTCOMES OF INFANTS WITH HIRSCHPRUNG DISEASE PRESENTING IN THE NEONATAL PERIOD: A RETROSPECTIVE STUDY.

K. More (4); J. Mcmichael(1,2); C. Minutillo(1); A. S. Rao(1,2,3)
(1-3) *Perth, Australia*; (4) *Toronto, Canada*

REVIEW OF OESOPHAGEAL ATRESIA AND TRACHEOESOPHAGEAL FISTULA IN BRAGA HOSPITAL

S. Costa (1); C. Melo (1); A. Silva (1); J. Correia Pinto (2); A. Pereira (1,3)
(1,2,3) *Braga, Portugal*

ASSOCIATION BETWEEN CELIAC DISEASE AND ENDOCRINE AUTOIMMUNE PATHOLOGIES

S. Accomando; A. Chiodo; P. Gennaro; P. Alga; A. Tricarico; A. Lombardo; G. Corsello
Palermo, Italy

CUTANEOUS MANIFESTATIONS IN PEDIATRIC COELIAC DISEASE

S. Accomando; M. Salzano; P. Gennaro; P. Alga; A. Tricarico; A. Lombardo; G. Corsello
Palermo, Italy

13:00-14:25

NOBLE HALL

Poster Session: Lung Injury

Chairperson: A.H.L.C. Van Kaam Amsterdam, The Netherlands

FGF10 OVEREXPRESSION AFTER HYPEROXIC INJURY TRIGGERS DE NOVO ALVEOGENESIS IN A MOUSE MODEL OF BRONCHOPULMONARY DYSPLASIA

C. M. Chao (1,3); D. Al Alam (2); C. Tiozza (2); S. Bellusci (3)
(1,2) Los Angeles, United States of America; (3) Giessen, Germany

A DIFFERENT SECRETION PATTERN OF TRACHEAL ASPIRATE EXTRACELLULAR MATRIX COMPONENTS AND A POTENTIAL ROLE OF TENASCIN C IN THE DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA.

S. Oue; S. Yamaoka; K. Suzuki
Isehara, Japan

HISTONE MODIFICATIONS ARE ALTERED IN THE RENAL CORTEX OF FORMER CHRONICALLY VENTILATED PRETERM LAMBS

E. Staub; M. B. Adam; J. Wimmer; D. Li Wang; Z. Dahl Mar; J. Di Geronimo; R. J. Yoder Bradley; A. Null; D. M. Albertine; H. Kurt
Utah, United States of America

CIRCULATING ENDOTHELIAL PROGENITOR CELL WAS DECREASED IN INFANTS WITH BPD AND INHALED NITRIC OXIDE RAISED EPC NUMBER

Y. Qi (1); Q. Jiang (1); L. Qian (1)
Shanghai, China

EPITHELIAL NOTCH ACTIVATION IS ESSENTIAL FOR ALVEOLAR MYOFIBROBLAST DEVELOPMENT AND ALVEOGENESIS

P.-N. Tsao (1,2); S.-C. Wei (3); W. V. Cardoso (4)
(1-3) Taipei, Taiwan; (4) Boston, United States of America

TREATMENT OF PRETERM LAMBS WITH SEVERE SURFACTANT DEFICIENCY WITH A NEW SYNTHETIC SURFACTANT CONTAINING SP-B AND SP-C ANALOGUES

X. Murgia; P. Serna-Grande; C. Rey-Santano; E. Ruiz-Del-Yerro; L. Andrés; A. Valls-I-Soler
Bilbao, Spain

EFFECTIVENESS OF THREE TYPES OF EXOGENOUS SURFACTANT IN PRETERM INFANTS WITH HYALINE MEMBRANE DISEASE

L. A. Mendoza Tascón (1); M. O. Grisales (1); M. Á. Osorio Ruiz (2); M. A. Guatibonza (1); Y. Ruiz Salazar (1); D. Arce Castañeda (1); D. Alzate (1)
(1,2) Buga, Colombia

MOLECULAR AND ULTRASTRUCTURAL CORRELATES OF DIFFUSE LUNG DISEASE ASSOCIATED WITH SP-C MUTATIONS

O. Danhaive (4); D. Peca (1); S. Cazzato (2); R. Cutrera (1); R. Boldrini (3)
(1,3) Rome, Italy; (2) Bologna, Italy; (4) San Francisco, United States of America

DEVELOPMENT OF A NEONATAL UPPER AIRWAY MODEL FOR IN VITRO AEROSOL DEPOSITION TESTING: CHARACTERIZATION OF AEROSOLIZED SURFACTANT FOR RESPIRATORY DISTRESS SYNDROME

X. Murgia Esteve (3); E. Goikoetxea (1); P. Serna-Grande (1); E. Ruiz-Del-Yerro (1); C. Rey-Santano (1); A. Rivas (2); R. Antón (2); A. Valls-I-Soler (1)
(1,3) Bilbao, Spain; (2) San Sebastian, Spain

A RETROSPECTIVE STUDY: DOES THE USE OF NASAL CPAP IN TERM INFANTS LEAD TO AN INCREASED INCIDENCE OF PNEUMOTHORACES?

S. Callaghan; J. Courtney; A. Verner
Belfast, United Kingdom

AN AUDIT OF NEONATAL PNEUMOTHORAX CASES ON THE NEONATAL INTENSIVE CARE UNIT AT CHELSEA AND WESTMINSTER HOSPITAL

S. Ahmed (1); S. Chuang (2); E. Ogundipe (1,2)
(1,2) London, United Kingdom

FIVE-YEAR TREND OF AIR LEAK SYNDROME (ALS) IN INFANTS ADMITTED TO A LEVEL III NICU - MAINLY A PROBLEM IN LATE PRETERM INFANTS?

T. Brettig (1); Arun Sasi (1); K. Tan (1,2)
(1,2) Melbourne, Australia

HIGH FLOW NASAL CANULA OXYGEN THERAPY IN UK LEVEL 3 NEONATAL UNITS; A REVIEW OF USAGE

S. Pal, A.E. Curley
Cambridge, United Kingdom

13:00-14:25

PORTO HALL

Poster Session: Adverse exposures. Reducing the use of antibiotics

Chairperson: M. Vanpee Stockholm, Sweden

EFFECTS OF MATERNAL SMOKING IN PREGNANCY ON ADULT NEUROPSYCHOLOGICAL OUTCOME IN SMALL-FOR-GESTATIONAL-AGE (SGA) AND CONTROL SUBJECTS.

H. Furre Østgård; J. Skranes (1); G. C. C. Løhaugen (1)(2); A. M. Brubakk (1)(3); M. T. Martinussen (1,4); V. Torstein (1)
(1,3,4) Trondheim, Norway; (2) Arendal, Norway

EARLY RESPIRATORY INFECTIONS: GENETIC FACTORS, FAMILY ENVIRONMENT AND PASSIVE SMOKING

S. Brescianini (1); C. Fagnani (1); C. D'Ippolito (1); S. Alviti (1); E. Medda (1); L. Serino (1); M. Ferri (1); I. Annesi-Maesano (2); M. A. Stazi (1)
(1) Rome, Italy; (2) Paris, France

RELATIONSHIP IN SCREENING OTOACUSTIC EMISSIONS FAILURE IN NEWBORNS AND PREGNANCY ALCOHOL ABUSE IN A HOSPITAL OF SOUTH OF BRAZIL

S. Salgado Nader (1,2); A. L. Harff (1); P. D. J. Hartmann Nader (1,2); S. Indicatti Flamenghi (1); L. Salgado Nader (2); T. Tolazzi Martins (2); V. A. Scheeffeffer (1)
(1,2) Porto Alegre, Brazil

PRENATAL EXPOSURE TO ENDOCRINE DISRUPTORS AND BIRTH WEIGHT IN A DUTCH COHORT - PRELIMINARY FINDINGS

M. de Cock (2); M. Lamoree (1); J. Legler (1); M. van de Bor (2)
(1,2) Amsterdam, The Netherlands

DETECTION OF CHILD ABUSE AT THE EMERGENCY DEPARTMENT USING A NEW PROTOCOL BASED ON PARENTAL CHARACTERISTICS

H. M. Diderich (1); M. Fekkes (2); P. H. Verkerk (2); F. D. Pannebakker (2); M. Klein Velderman (2); P. J. G. Sorensen (1); P. Baeten (3); A. M. Oudesluys-Murphy (4)
(1,2,3,4) The Hague, The Netherlands

HEALTH EFFECTS OF ALCOHOL CONSUMPTION AND THEIR SOCIAL IMPLICATIONS AS PERCEIVED BY CROSS-SECTIONAL SCHOOL STUDENTS IN UNITED ARAB EMIRATES.

J. J. Cheriathu (4); J.J. Lisha (1); M. Jayakumari (2); S. Jayadevan (2); S. Al Sharbatti (3)
(1-4) *Ajman, United Arab Emirates*

NEIGHBORHOOD, FAMILY AND RISK OF CHILDHOOD AND ADOLESCENT EPILEPSY: A NATIONWIDE EPIDEMIOLOGICAL STUDY FROM SWEDEN

X. Li (3); J. Sundquist (1,2); B. Zöller (1); K. Sundquist (1,2)
(1) *Skåne, Sweden*; (2) *Stanford, United States of America*; (3) *Malmö, Sweden*

FEATURES OF CLINICAL AND METABOLIC STATUS OF CHILDREN WITH DIABETIC KETOACIDOSIS IN BELARUS IN 2005-2013

A. Semenovich (1); J.Semenovich (2); A. Solntsava (3)
(1,2,3) *Minsk, Belarus*

AUDIT OF POSTNATAL ANTIBIOTIC USE IN NEONATES

K. Tanney (1,2); N. Saxena (2)
(1,2) *Belfast, United Kingdom*

IMPACT ASSESSMENT OF IMPLEMENTING THE NEW NICE GUIDELINES - "ANTIBIOTICS FOR EARLY ONSET NEONATAL INFECTION (2012)" IN A LOCAL LEVEL 2 NEONATAL UNIT

I. Lingam; S. Narayanan
London, United Kingdom

CONGENITAL SYPHILIS SITUATIONAL ANALYSIS OF A MUNICIPALITY IN THE STATE OF RIO DE JANEIRO - BRAZIL

A. J. M. O.Veiga; M. I. Ferreira; M. C. Braga Soares; E. Quadrio de Oliveira Veiga; N. Veiga Moliterno; F. Machado Moliterno; S. Stumpf Cordeiro; B. Ferreira Fonte
Petrópolis, Brasil

13:00-14:25

INFANTE HALL

Poster Session: Cerebral hypoxia-ischemia. Blood flow to the brain

Chairperson: T. Austin Cambridge, United Kingdom

ASSESSMENT OF PREDICTIVE EFFECTS OF SERUM LDH, CPK AND SGOT ENZYMES IN EARLY DIAGNOSIS OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.

A. Mortazavi (3); M. Moharramnejadifard (1); M. Akbari (2); A. Toursavadkouhi (3)
(1,2) *Zanjan, Iran*

HEART RATE VARIABILITY WITHIN 12 HOURS OF BIRTH IN TERM NEONATES WITH PERINATAL ASPHYXIA

R. Goulding; N. Stevenson; I. Korotchikova; Bh. Walsh; D. Murray; G. Boylan
Cork, Ireland

THERAPEUTIC HYPOTHERMIA FOR NEONATAL ENCEPHALOPATHY: A UK SURVEY OF PRACTICE DURING NEONATAL TRANSPORT AND ITS IMPLICATIONS FOR EUROPE

A. Sharma
Southampton, United Kingdom

THE ASSESSMENT AND MANAGEMENT OF HAEMODYNAMIC STATUS IN INFANTS RECEIVING THERAPEUTIC HYPOTHERMIA - AN ADHOC APPROACH.

S. Heggarty; S. A. C. Heggarty (1), L. Stoddart (1), S. Gupta (1)
Stockton-On-Tees, United Kingdom

CHANGES IN VISCERAL AND CEREBRAL ARTERIAL BLOOD FLOW VELOCITIES IN NEONATES WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY (HIE) DURING WHOLE BODY HYPOTHERMIA AND AFTER REWARMING

P. Sakhuja (1); J. Ting (1); J. Sheth (6); A. Lapointe (5); A. Jain (1,3,4); P. J. McNamara (1,2,3,4); A. Moore (1,3,4)
(1,2,4) *Toronto, Canada*; (3) *New York, United States of America*; (5) *Montreal, Canada*; (6) *Mumbai, India*

THE RELATION BETWEEN MYOCARDIAL FUNCTION AND CEREBRAL CIRCULATION IN ASPHYXIATED NEONATES DURING THERAPEUTIC HYPOTHERMIA

A. Lee; J. Skranes (1,2); E. Nestaas (3); B. Eriksen (4,5); L. Brunvand (6); K. Liestøl (7); T. Stiris (1,2); D. Fugelseth (1,2)
(1,2,6,7) *Oslo, Norway*; (3) *Tønsberg, Sweden*; (4) *Ålesund, Sweden*; (5) *Trondheim, Sweden*;

LEFT VENTRICULAR LONGITUDINAL STRAIN AND STRAIN RATE MEASURED BY 2D SPECKLE TRACKING ECHOCARDIOGRAPHY IN NEONATES DURING WHOLE-BODY HYPOTHERMIA

C. Czernik; S. Rhode; S. Helfer; G. Schmalisch; C. Bühner
Berlin, Germany

LASER SPECKLE IMAGING OF REPERFUSION IN CEREBRAL ISCHEMIA DURING THE DEVELOPMENT

C. Charriaut-Marlangue (1); P.-L. Leger (1); P. Bonnin (2); S. Renolleau (1); O. Baud (1)
(1,2) *Paris, France*

DYNAMIC SPATIO-TEMPORAL IMAGING OF EARLY RE-FLOW IN A NEONATAL RAT STROKE MODEL

C. Charriaut-Marlangue (3); P. Bonnin (1); P. Lacombe (2); S. Renolleau (3); O. Baud (3); P.-L. Leger
(1-3) *Paris, France*

N-ACETYLCYSTEINE-AMIDE REDUCES CEREBRAL IL-1B-LEVELS AND INFLUENCES THE RISE OF BLOOD PRESSURE AFTER PERINATAL ASPHYXIA IN NEWBORN PIGLETS

T. Benterud (1); R. Solberg (1); O. D. Saugstad (1); S. Norgren (2)
(1) *Oslo, Norway*; (2) *Stockholm, Sweden*

TIME-FREQUENCY METHOD FOR NON-INVASIVE ASSESSMENT OF THE CEREBRAL AUTOREGULATION (AR) IN INFANTS

J. Riera (1,2); F. Cabañas (1); J. J. Serrano (2); A. Pellicer (1)
(1,2) *Madrid, Spain*

NON-INVASIVE ELECTRICAL CARDIOMETRY IN THE NEWBORN

K. Suzuki; J. Nkishikata; S. Oue; T. Nakamura
Isehara, Japan

BIOMARKERS OF OXIDATIVE STRESS IN THE EARLY POSTNATAL PERIOD: REFERENCE VALUES IN BLOOD AND URINE OF HEALTHY TERM NEWBORNS.

A. Cilla (5); J. Arnáez (2); P. Muñiz (3); M. Cavia (4); R. Alcarraz (4); D. Armesto (4); G. Aja (1); L. Puente (1)
(1-5) *Burgos, Spain*

THE TIMING OF BALLOON ATRIAL SEPTOSTOMY NEEDS TO BE CAREFULLY DECIDED IN NEONATES WITH COMPLETE TRANSPOSITION OF GREAT ARTERIES: A SINGLE CENTER EXPERIENCE.

H. Ki Ko; J. J. Yu (1); S. Kang (1); J.-J. Park (2); T.-J. Yun (2); Y.-H. Kim (1); J.-K. Ko (1)
(1,2) *Seoul, Republic of Korea*

CONGENITAL HEART DISEASE AND MICROCEPHALY AT BIRTH: A POPULATION BASED STUDY OF 2467 CHILDREN

N. B. Matthiesen (1); T. B. Henriksen (2); J. W. Gaynor (3); V. E. Hjortdal (4); P. Agergaard (1); J. R. Østergaard (1)
(1,2,4) Aarhus, Denmark; (3) Philadelphia, United States of America

13:00-14:25

D. LUIS HALL

Poster Session: Infection

Chairperson: A. Valls-I-Soler Bilbao, Spain

TARGETING ZERO INFECTIONS: ACTIVE SURVEILLANCE INTERVENTION TO REDUCE CENTRAL LINE ASSOCIATED BLOODSTREAM INFECTIONS

F. Piersigilli; C. Auriti; M. Ciofi degli Atti; I. Savarese; A. Portanova; G. Ciliento; A. Dotta
Rome, Italy

DOES MICROBIOLOGICAL SCREENING IDENTIFY BACTERIAL RESISTANCES TO BE CONSIDERED IN CALCULATED ANTIBIOTIC THERAPY OF NOSOCOMIAL SEPSIS IN THE NICU?

I. Schmeh (1); J. Winter (1); A. Uebler (1); T. Schwanz (2); E. Siegel (2); R. Metz (3); B. Jansen (3); E. Mildemberger (1)
(1,2,3) Mainz, Germany

AN EVALUATION OF SYSTEMIC ANTIBIOTIC EXPOSURE IN THE MANAGEMENT OF SUSPECTED EARLY NEONATAL SEPSIS

M. Hall; S. Marshall
Southampton, United Kingdom

NEONATAL HERPES INFECTION: INCIDENCE RATES, PRESENTATION, AND OUTCOME IN BABIES UNDER 14 DAYS OLD

D. Batra (3); P. Davies (1); C. Smith (2)
(1,2,3) Nottingham, United Kingdom

THE CLINICAL CHARACTERISTICS AND PROGNOSIS OF LATE ON-SET GROUP B STREPTOCOCCUS SEPSIS IN NICU OF OUR HOSPITAL

L. Jun; X. Fen (1); M. Li-ya (1); L. Guang-jin (1); F. Zhi-chun (2)
(1,2,3) Shenzhen, China; (4) Beijing, China

MYCOPLASMA PNEUMONIAE INFECTIONS IN PAEDIATRIC AGE: CLINICAL VARIABILITY

S. Accomando; P. Gennaro; A. Tricarico; P. Alga; G. Corsello
Palermo, Italy

RISK FACTORS OF INVASIVE IRAB INFECTION AMONG COLONIZED PATIENTS IN NEONATAL INTENSIVE UNIT

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

DETECTION OF MARKERS OF HERPESVIRUS INFECTIONS IN FREQUENTLY ILL CHILDREN AND VIRAL EFFECTS ON THE DISEASE COURSE

A. Kushch; Ev. Chichev, R. Klimova, N. Okolysheva, L. Kisteneva
Moscow, Russia

EVALUATION AND TREATMENT OF VERY LOW BIRTH WEIGHT (VLBW) INFANTS < 1500G WITH SUSPECTED LATE ONSET SEPSIS (LOS) A CLINICAL PRACTICE

SURVEILLANCE FROM COMMUNITY BASED LEVEL III NEONATAL INTENSIVE CARE UNITS (NICU) AFFILIATED WITH A REGIONAL PERINATAL CENT

P. Leblanc (1); P. Srinivasan; M. Gudavalli (2); S. Patel (3); A. Jain (4); B. Friedman (5); J. Perlman (5)

(1-5) *New York, United States of America*

EARLY-ONSET NEONATAL SEPSIS - DIAGNOSTIC ACCURACY OF LABORATORY DATA: C-REACTIVE PROTEIN VERSUS IMMATURE/TOTAL NEUTROPHIL RATIO

M. M. Gomes (1); L. Pinheiro (1); M. Majar (2); Á. Oliveira (2); A. Mesquita (2); A. Estrada (2); I. Cunha (1); A. Pereira (1)

(1-2) *Braga, Portugal*

HIGHER CRP LEVELS IN VERY LOW BIRTH WEIGHT INFANTS WITH LATE-ONSET SEPSIS CAUSED BY COAGULASE NEGATIVE STAPHYLOCOCCI RESISTANT TO OXACILLIN

J. Smisek; R. Plavka

Prague, Czech Republic

SEPTIC ARTHRITIS IN NEONATAL INTENSIVE CARE UNIT: A RETROSPECTIVE STUDY

G. Corona (1); D. Pantaleo (1); S. Cordaro (1); V. Ioli (2); I. Barberi (1)

(1,2) *Messina, Italy*

OUTCOMES OF VERY-LOW-BIRTH-WEIGHT INFANTS EXPOSED TO MATERNAL CLINICAL CHORIOAMNIONITIS: A MULTICETER STUDY.

R. Fermín García-Muñoz (1); G. Galán Henríquez (1); A. García-Alix Pérez (2); J. Figueras Aloy (3)

(1) *Las Palmas, Gran Canaria, Spain*; (2,3) *Barcelona, Spain*

CENTRAL CATHETER ASSOCIATED SEPSIS IN NEONATES: INCIDENCE AND ASSOCIATED FACTORS

L. A. Mendoza Tascón (3); P. A. Arango Vega (1); M. A. Osorio Ruiz (2); M. D. Arias Guatibonza (1); C. A. Buitrago Domínguez (1); D. M. Ortiz Apache (1); M. P. Escobar Beltrán (1)

(1,2,3) *Buga, Colombia*

PREDICTORS OF MORTALITY IN NEONATAL BACTERIAL INFECTION

L. A. Mendoza Tascón (4); M. D. A. Guatibonza (1); M. Á. Osorio Ruiz (2); P. J. Sánchez (3)

(1,2,3,4) *Buga, Colombia*

13:00-14:25

D. MARIA HALL

Poster Session: Preterm Nutrition

Chairperson: J. C. Picaud Lyon, France

A RISE IN IGF-I LEVELS AT A MEAN POSTNATAL AGE OF 31 TO 33.5 WEEKS IS AN INDEPENDENT PREDICTOR FOR HEIGHT AT 3 AND 5 YEARS OF AGE IN VERY PRETERM CHILDREN

A. Kistner (1); J. Sigurdsson (1); A. Niklasson (2); C. Löfquist (1); E. Engström (2); A. Hellström (1)

(1) *Stockholm, Sweden*; (2) *Göteborg, Sweden*

THE EFFECT OF NUTRITIONAL FACTORS ON GROWTH IN INFANTS BORN EXTREMELY PRETERM. A POPULATION BASED RETROSPECTIVE OBSERVATIONAL STUDY

S. Klevebro (1); S. Hugo (1,2); I. Wilhelmsson (1); N. Helgesen (1,2); B. Hallberg (1)

(1,2) *Stockholm, Sweden*

AUDIT OF NEONATAL PARENTERAL NUTRITION IN NORTHERN IRELAND 2012

J. Courtney; C. Gupta; C. Mayes; S. Craig
Belfast, United Kingdom

GROWTH FROM HOSPITAL DISCHARGE UNTIL 3 YEARS OF AGE AMONG CHILDREN BORN VERY PRETERM

L. Toftlund; G. Zachariassen
Odense, Denmark

TIME TO MOVE UNRESTRICTED IS RELATED TO WEIGHT GAIN IN THE FIRST YEAR OF LIFE

S. Anna(1,2); P. Sauer (1); E. Corpeleijn (2); G. Bocca
(1,2) Groningen, The Netherlands

PARENTERAL NUTRITION FOR NICU PATIENTS: COMPARISON OF CURRENT PRACTICES ACROSS EUROPE

A. Lapillone; N. Embleton (2); V. P. Carnielli (3), W. Mihatsch (4)
(1) Paris, France; (2) Newcastle, United Kingdom; (3) Ancona, Italy; (4) Munich, Germany

LONGITUDINAL INSULIN LIKE GROWTH FACTORS (IGF)S IN RELATION TO GESTATIONAL AGE (GA) OR TARGET HEIGHT STANDARD DEVIATION SCORE (THSDS) IN VERY PRETERM INFANTS DURING EARLY POSTNATAL WEEKS

A. Kistner (1); A. Niklasson (2); C. Löfqvist (1); E. Engström (2); G. Hellgren (2); K. Hall (3); A.-L. Hulting (3); A. Hellström (1)
(1,2,3) Gothenburg, Sweden; (4) Stockholm, Sweden

IMPROVED NUTRIENT PROVISION WITH NASO-JEJUNAL FEEDS IN EXTREMELY LOW BIRTH WEIGHT INFANTS.

R. Gandhi; K. Tavener; G. Feint; A. Hickey
London, United Kingdom

GROWTH AND NUTRITION OF MODERATE AND LATE PRETERM INFANTS

K. Brown; A. Leaf; M. Johnson
Southampton, United Kingdom

DOES HYPERGLYCEMIA IN HYPERNATREMIC PRETERM INFANTS RESULT IN INTRAVENTRICULAR HEMORRHAGE?

S. Sarkar; J. R. Dalton; R. E. Dechert
Ann Arbor, United States of America

EARLY ENTERAL NUTRITION AND POSTNATAL GROWTH OF PRETERM VERY LOW BIRTH WEIGHT INFANTS

D. Dobryansky (1); O. Rodych (1); Z. Salabay (2); O. Detsyk (2); L. Bonetska (2)
(1,2) Lviv, Ukraine

THE INFLUENCE OF PROBIOTICS ON THE PH OF STOOL IN PRETERM INFANTS LJILJANA STANKOVIC, GYNECOLOGY AND OBSTETRICAL CLINIC "NARODNI FRONT", BELGRADE

L. Stankovic (1)
Belgrade, Serbia

THE MANAGEMENT OF ENTERAL NUTRITION AT A LOT OF PREMATURE NEWBORNS WITH EXTREMELY LOW BIRTH WEIGHT

A. M. Manea; M. Boia; D. Iacob; M. Dima
Timisoara, Romania

EXTREME MATERNAL ACIDOSIS LEADING TO FETAL DISTRESS AND EMERGENCY CESAREAN SECTION AT 32 GESTATIONAL WEEKS

A. Onnela
Brussels, Belgium

LEPTIN UMBILICAL CORD IN NEWBORN INFANTS DELIVERED BY PREECLAMPTIC MOTHERS: ARE THERE DIFFERENCES IN TERM AND PRETERM INFANTS?
R. Procianoy; A. C. Terrazan; R. C. Silveira
Porto Alegre, Brazil

14:30-16:25

DESPACHANTES HALL

Parallel Session: Pulmonology Symposium: Alternative modes of surfactant administration

Chairpersons: C. C. Roehr Melbourne, Australia - K. Bohlin Stockholm, Sweden

- 14:30-15:10 Minimally invasive methods
 P. Dargaville, *Hobart Australia*
- 15:10-15:50 Tracheal instillation during spontaneous breathing
 A. Kribs, *Cologne Germany*
- 15:50-16:20 Aerosolisation
 J. Pillow, *Crawley Australia*

Session sponsored by unconditional grant by Chiesi

14:30-16:25

INFANTE HALL

Parallel Session: Brain and Development track II

Chairpersons: A. Truttmann Lausanne, Switzerland - M. Fumagalli Milan, Italy

- 14:30-14:55 **Keynote Lecture: ERYTHROPOIETIN FOR BRAIN PROTECTION**
 J. C. Fauchere, *Zurich Switzerland*
- 14:55-15:10 **TRACT-BASED SPATIAL STATISTICS (TBSS) TO ASSESS THE NEUROPROTECTIVE EFFECT OF EARLY ERYTHROPOIETIN ON WHITE MATTER DEVELOPMENT IN PRETERM INFANTS**
 C. Hagmann (1); P. S. Hüppi (2); B. M. Koller (1); H. U. Bucher (1); R. O'Gorman (3)
 (1,3) *Zurich, Switzerland*; (2) *Geneva, Switzerland*
- 15:10-15:25 **MAGNESIUM SULFATE ANTENATAL EXPOSURE TO PROTECT BRAIN OF VERY PRETERM INFANTS: THE FIRST SCHOOL-AGE FOLLOW-UP (PREMAG RANDOMIZED CONTROLLED TRIAL)**
 C. Chollat (1,2); M. Enser (3); D. Provost (4); J. Bénichou (4); L. Marpeau (5); S. Marret (1,2)
 (1,2,3,4,5) *Rouen, France*
- 15:25-15:40 **EFFECT OF THYROXINE SUPPLEMENTATION DURING THE FIRST FOUR WEEKS AFTER BIRTH FOR BABIES <28 WEEKS: DEVELOPMENT AT 42 MONTHS**
 M. Weindling (1); M. Ng (2); M. Turner (1); S. Parry (3); H. Sharp (1); P. Newland (4); D. Isherwood (4); S. Victo (5) R. Mo Didi (4); C. Gamble (1); L. Abernethy (4); L. Parkes (1); J. Atkinson (1)
 (1,2,3,4) *Liverpool, United Kingdom*; (5) *Manchester, United Kingdom*

- 15:40-15:55 **NEUROPROTECTIVE EFFECT OF EXOGENOUS KETONE ADMINISTRATION IN THE NEONATAL RAT MODEL OF HYPOXIC ISCHEMIC ENCEPHALOPATHY**
B. S. Lee; S.-H. Jeong; M.-S. Yum; K.-S. Kim
Seoul, South Korea
- 15:55-16:10 **SPHINGOSINE-1-PHOSPHATE RECEPTOR MODULATION REDUCES HYPEROXIA-MEDIATED BRAIN INJURY**
M. Serdar; K. Lumpe; B. S. Reinboth; Xin-Lin Hou ; R. Herrmann; K. Kempe; U. Felderhoff-Müser; I. Bendix
Essen, Germany
- 16:10-16:25 **COMPUTERIZED WORKING MEMORY TRAINING HAS LONG TERM POSITIVE EFFECTS IN VERY LOW BIRTH WEIGHT (VLBW) CHILDREN AT PRESCHOOL AGE**
K. Hermansen Grunewaldt (1,2); J. Skranes (1,3); A. M. Brubakk (1,2), G. C. Christensen Løhaugen (1,3)
(1,2) Trondheim, Sweden; (3) Arendal, Norway

14:30-16:25

PORTO HALL

Parallel Session: Paediatric and Neonatal Pharmacology track

Chairpersons: M. Turner *Liverpool, United Kingdom* - K. Allegaert *Leuven, Belgium*

- 14:30-14:55 **Keynote Lecture: SHORTCUTS TO 'BETTER MEDICINES FOR CHILDREN'**
M. Schwab, *Stuttgart Germany*
- 14:55-15:10 **MICRO-METHOD WITH EDTA FOR THE DETERMINATION OF PLASMATIC LEVELS OF MICAFUNGIN IN NEONATES**
B. M. Goffredo (1); M. P. Ronchetti (1); T. Corsetti (3); M. Muraca (2); A. Dotta (1); C. Rizzo (2); C. Auriti (1)
(1,2,3) Rome, Italy
- 15:10-15:25 **LIPSTIC LIVERPOOL PHARMACOKINETIC/PHARMACODYNAMICS (PK/PD) STUDY OF TEICOPLANIN IN CHILDREN**
V. Ramos-Martin (1,2,4); S. Siner (1); S. Paulus (1); M. Peak (1); M. Beresford (1,2); W. Hope (3); M. Turner (2,4)
(1,2,3,4) Liverpool, United Kingdom
- 15:25-15:40 **EVALUATION OF DOSING GUIDELINES OF VANCOMYCIN IN NEONATES: ARE WE MOVING IN THE RIGHT DIRECTION?**
A. Vandendriessche (1); A. Smits (1); V. Cossey (1); G. Naulaers (1); V. Saegeman (2); K. Allegaert (1)
Leuven, Belgium
- 15:40-15:55 **EVALUATION OF FENTANYL DISPOSITION AND EFFECTS IN NEWBORN PIGLETS AS AN EXPERIMENTAL MODEL FOR HUMAN NEONATES.**
C. Rey-Santano (1); V. Mielgo (1); A. Valls-i-Soler (1); E. Encinas (2); J. C. Lukas (2); E. Suárez (2)
(1) Barakaldo, Spain; (2) Leioa, Bizkaia, Spain
- 15:55-16:10 **REDUCTION OF SUFENTANIL DOSES AS CONTINUOUS ANALGESIA AFTER SURGICAL CLOSURE OF PATENT DUCTUS ARTERIOSUS (PDA) IN EXTREMELY PREMATURE INFANTS: A 10 YEARS RETROSPECTIVE SINGLE CENTRE STUDY**
Y. Soreze (1); E. Audureau (2); F. Decobert (1,5); P. Bériel (3); O. Jaby (4); C. Danan (1,5); X. Durrmeyer (1,5)

(1,2,3,4,5) Creteil, France

- 16:10-16:25 **POSTOPERATIVE ANALGESIA VIA A SUBCUTANEOUS WOUND CATHETER AFTER DUCTUS LIGATION IN PRETERM INFANTS. PHARMACOKINETICS OF LEVOBUPIVACAINE.**
M. E. Anell-Olofsson (1); P. A. Lönnqvist (2); S. Eksborg (1); M. Bartocci (1)
(1,2) Stockholm, Sweden

14:30-16:25

ARRABIDA HALL

Parallel Session: NICU design

Chairpersons: S. Mader Munchen, Germany - N. Marlow London, United Kingdom

- 14:30-14:55 **Keynote Lecture: NICU-DESIGN**
D. Haumont Bruxelles, Belgium
- 14:55-15:10 **ONTOGENY OF THE RECOGNITION OF THE MOTHER'S VOICE BY INFANTS BORN VERY PRETERM BEFORE TERM-CORRECTED GESTATIONNAL AGE: A HEART STORY...**
P. Kuhn (1); C. Zores (1,2); T. Pebayle (2); N. Mazille (1); C. Langlet (1); D. Astruc (1); A. Dufour (2)
(1,2) Strasbourg, France
- 15:10-15:25 **TO TOUCH MY CHILD: THE EXPERIENCE OF MOTHERS IN A NICU**
P. Lopes; A. P. Dos Santos; J. Marques França; L. M. Da Costa Andrade
Porto, Portugal
- 15:25-15:40 **WHAT IS THE IMPACT OF THE FREQUENCY OF ARTIFICIAL SOUNDS ON THE RESPONSIVENESS AND WELL BEING OF VERY PRETERM INFANTS?**
K. Pierre (1); C. Zores (1,2); T. Pebayle (2); N. Mazille (1); C. Langlet (1); D. Astruc (1); A. Dufour (2)
(1,2) Strasbourg, France
- 15:40-15:55 **WEBCAMS IN THE NEONATAL INTENSIVE CARE UNIT: HERE'S LOOKING AT YOU KID!**
G. Hawkes (1); V. Livingstone (1,2); C. A. Ryan (1,2); E. M. Dempsey
(1,2) Cork, Ireland
- 15:55-16:10 **DEVELOPMENT OF THE BEDSIDE ASSESSMENT, STABILISATION AND INITIAL CARDIORESPIRATORY SUPPORT (BASICS) TROLLEY**
C. W. Yoxall (3); A. D. Weeks (1); P. Watt (1); D. Hutchon (2); D. Odd (4); A. Burleigh (5); Am Heuchan (6); A. Gallagher (7); S. Bewley (8); L. Duley (9)
(1,2,3) Liverpool, United Kingdom; (4) Bristol, United Kingdom; (5) Leeds, United Kingdom; (6) Glasgow, United Kingdom; (7) Worcester, United Kingdom; (8) London, United Kingdom; (9) Nottingham, United Kingdom
- 16:10-16:25 **EXCESSIVE EXPOSURE OF THE PRETERM HEAD TO SHOCK AND VIBRATION DURING INTER-HOSPITAL TRANSPORT: A PRETERM MANIKIN STUDY**
M. Yeo (1); L. Blaxter (2); B. Hayes-Gill (2); D. McNally (2); J. Crowe (2); H. Budge (1); A. Leslie (3); D. Sharkey (1)
(1,2) Nottingham, United Kingdom; (3) Leicester, United Kingdom

14:30-16:25

MIRAGAIA HALL

Nutrition Section Business Meeting - All are welcome, but only members can vote

- 16:30-17:00 *Coffee Break*

17:00-18:00

ARCHIVE HALL

Plenary Session: Bengt Robertson Honorary

Chairpersons: L. Zimmermann Maastricht, The Netherlands - K. Bolin Stockholm, Sweden

17.00-17.30 **MANAGEMENT OF RESPIRATORY MORBIDITY IN CHINA**
B. Sun Shanghai, China

17.30 -18.00 **BENGT ROBERTSON AWARD**

TIME OF BIRTH AND RISK OF RESPIRATORY ILLNESS IN PRETERM INFANTS <30 WEEKS GESTATION (GA): A RETROSPECTIVE MATCHED-PAIR COHORT STUDY
L. Mahoney (1); T. Hunt; H. Rabe; C. Garland; R. Watkins; R. Fernandez (1,2) Brighton, United Kingdom

Session sponsored by unconditional grant by Chiesi

18:00-19:30

DESPACHANTES HALL

Satellite symposium: The first golden minutes, hours and beyond

Chairpersons: G. Lista, Milan Italy - R. Soll United States of America

18:00-18:10 **INTRODUCTION**
G. Lista Milan, Italy, R. Soll Burlington, United States of America

18:10-18:35 **DR MANAGEMENT AND STRATEGIES TO IMPROVE NEONATAL OUTCOME**
M. Vento Valencia, Spain

18:35-19:00 **OPTIMISING SURFACTANT THERAPY**
V. P. Carnielli Ancona, Italy

19:00-19:25 **INTERNATIONAL GUIDELINES ON RDS MANAGEMENT - 2013 EDITION**
D. Sweet Belfast, United Kingdom

19:25-19:30 **Closing Remarks**

Satellite Symposium organised by Chiesi

Sunday, October 13th, 2013

08:00-08:55

MIRAGAIA HALL

ESN Business Meeting - All are welcome, but only members can vote

09:00-10:55

D. MARIA HALL

Parallel Session: Nutrition, Metabolism and Gastroenterology track I

Chairpersons: S.J. Moltu Oslo, Norway - J. C. Picaud Lyon, France

- 09:00-09:25 **Keynote Lecture: MINIMISING THE NUTRITIONAL DEFICIT IN ILL PRETERM INFANTS**
T. Senterre *Liege, Belgium*
- 09:25-09:40 **FEEDING PATTERNS AND INTESTINAL PATHOLOGY IN EXTREMELY PRETERM INFANTS BORN AFTER ABNORMAL ANTENATAL DOPPLER BLOOD FLOW**
A. Leaf (7); S. Kempley (1); N. Gupta (2); L. Linsell (3); J. Dorling (4); K. McCormick (2); P. Mannix (5); E. Juszczak (3); P. Brocklehurst (3,6)
(1,6) London, United Kingdom; (2,3) Oxford, United Kingdom; (4) Nottingham, United Kingdom; (5) Bristol, United Kingdom; (7) Southampton, United Kingdom
- 09:40-09:55 **NEONATAL MODULATION OF SERUM CYTOKINE PROFILES BY A SPECIFIC MIXTURE OF NEUTRAL AND ACIDIC OLIGOSACCHARIDES IN PRETERM INFANTS**
J. van den Berg (1); N. van Zwieteren (1); E. Westerbeek (1); J. Garssen (2,3); R. van Elburg (1,3)
(1) Amsterdam, The Netherlands; (2) Utrecht, The Netherlands; (3) Wageningen, The Netherlands
- 09:55-10:10 **BOLUS VERSUS CONTINUOUS FEEDING: EFFECTS ON BREATHING PATTERNS AND CARDIORESPIRATORY EVENTS**
S. Martini; B. Battistini; A. Aceti; E. Legnani; L. Corvaglia; G. Faldella
Bologna, Italy
- 10:10-10:25 **POTENTIAL ROLE OF NITRIC OXIDE IN INTESTINAL INFLAMMATION IN THE IMMATURE HUMAN INTESTINE**
E. Ferretti (1); E. Tremblay (2); D. Grynspan (3); M. Bettolli (4); K. M. Burghardt (5); D. Ménard (2); J. F. Beaulieu (2)
(1,3,4) Ottawa, Ontario, Canada; (2) Sherbrooke, Quebec, Canada; (5) Toronto, Ontario, Canada
- 10:25-10:40 **PONDERAL INDEXES AND OTHER RISK FACTORS IN NEWBORN INFANTS WHO DEVELOP GASTROINTESTINAL PERFORATION - MATCHED CASE CONTROL STUDY**
S. Prgommet (1); B. LukÅjic (1); M. Vucinovic (2); I. Juric (3); V. Capkun (4); N. Boban (5)
(1,2,3,4,5) Split, Croatia
- 10:40-10:55 **EXPOSURE TO HYDROCORTISONE INDUCES A BIPHASIC RESPONSE IN IMMATURE HUMAN INTESTINAL EPITHELIAL CELLS AND SIGNIFICANTLY ATTENUATES INFLAMMATORY CHEMOKINE SECRETION IN THE IMMATURE HUMAN GUT**
S. Rautava (1,2); W. A. Walker (2); Lei Lu (2)
(1) Turku, Finland; (2) Boston, MA, United States of America

09:00-10:55

ARRABIDA HALL

Parallel Session: Circulation, Oxygen transport and haematology track

Chairpersons: G. Pichler Graz, Austria - E. Dempsey Cork, Ireland

- 09:00-09:25 **Keynote Lecture: CIRCULATION IN ILL NEWBORNS - WHAT TO DO IN PRACTICE?**
W. de Boode, Nymegen The Netherlands
- 09:25-09:40 **HEMODYNAMIC CHANGES IN NEONATAL SEPTIC SHOCK- VASOMOTOR FAILURE OR MYOCARDIAL DYSFUNCTION: A PROSPECTIVE OBSERVATIONAL STUDY**
*S.S. Saini (1); P. Kumar (1); R. M. Kumar (2)
(1,2) Chandigarh, India*
- 09:40-09:55 **TOTAL LEFT AND RIGHT VENTRICULAR SYSTOLIC SHORTENING IN PREMATURE AND TERM BORN INFANTS. INFLUENCE OF HEART SIZE AND POSTNATAL MATURATION**
*B. H. Eriksen (1); E. Nestaas (1); T. Hole (2); A. Støylen (3); D. Fugelseth (4)
(1,2,3) Alesund, Norway; (4) Oslo, Norway*
- 09:55-10:10 **SUPERIOR VENA CAVA FLOW FOR ASSESSMENT OF CEREBRAL CIRCULATION IN ASPHYXIATED NEONATES DURING AND AFTER THERAPEUTIC HYPOTHERMIA**
*A. Lee (1); J. Skranes (1,2); B. Eriksen (4,5); L. Brunvand (6); K. Liestøl (7); T. Stiris (1,2); D. Fugelseth (1,2)
(1,2,6,7) Oslo, Norway; (3) Tønsberg, Norway; (4) Alesund, Norway; (5) Trondheim, Norway; (6)*
- 10:10-10:25 **MYOCARDIAL PERFORMANCE IN NEONATES WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY (HIE) DURING WHOLE BODY HYPOTHERMIA AND AFTER ACTIVE REWARMING**
*P. Sakhuja (1); J. Ting (1); J. Sheth (6); A. Lapointe (5); A. Jain (1,3,4); A. Moore (1,3,4); P. J. McNamara (1,2,3,4)
(1,2,3,4) Toronto, Ontario, Canada; (5) Montreal, Quebec, Canada; (6) Mulund, Mumbai, India*
- 10:25-10:40 **ASSESSMENT OF SUPERIOR VENA CAVA FLOW IN EXTREMELY PRETERM INFANTS BORN LESS 28 WEEKS GESTATIONAL AGE ON FIRST DAY OF LIFE**
*A. Heep (1,2); S. Bates (2); D. Odd (1,2); R. Wach (1); D. Evans (1,2)
Bristol, United Kingdom*
- 10:40-10:55 **EARLY DETECTION OF CARDIAC DYSFUNCTION AFTER PRETERM BIRTH BY SPECKLE-TRACKING ECHOCARDIOGRAPHY**
*U. Schubert (1); M. Müller (2); H. Abdul-Khaliq (2)
(1) Stockholm, Sweden; (2) Homburg, Germany*

09:00-10:55

INFANTE HALL

Parallel Session: Parent's roles and experiences

Chairpersons: T. Markestad Bergen, Norway - A. Altavilla Marseille, France

- 09:00-09:25 **Keynote Lecture: PARENTAL INVOLVEMENT**
S. Mader Munich, Germany

- 09:25-09:40 **NEURODEVELOPMENT OF VERY AND LATE PRETERM INFANTS AND CORRELATION WITH MATERNAL STRESS AT 12 MONTHS OF CORRECTED AGE**
M. F. Coletti (1); B. Caravale (1); C. Gasparini (1); F. Campi (2); C. De Marchis (2); A. Dotta (2)
(1,2) Rome, Italy
- 09:40-09:55 **EARLY EXPRESSION OF BREAST MILK IS ASSOCIATED WITH A REDUCTION IN THE LENGTH OF STAY FOR THE VERY PRETERM INFANT?**
D. Healy; A. M. Brennan; E. Dempsey
Cork, Ireland
- 09:55-10:10 **PARENTAL PERCEPTION OF THERAPEUTIC HYPOTHERMIA FOR HYPOXIC ISCHEMIC ENCEPHALOPATHY**
R. K. Gunda (1); B. Thyagarajan (1,2); D. Hart (1); L. Leppard (1); B. Vollmer (1,2); V. Baral (1)
(1,2) Southampton, United Kingdom
- 10:10-10:25 **PARENTS' EXPERIENCES OF FOLLOW-UP FOR THEIR VERY PRETERM CHILD**
S. Rafiq (1); C. Beer (1); H. Budge (1); S. Wardle (2); S. Johnson (3)
(1,2) Nottingham, United Kingdom; Leicester, United Kingdom
- 10:25-10:40 **THE MOTHERS OF BABIES ENROLLED IN A RANDOMISED CONTROLLED TRIAL REPORT A POSITIVE EXPERIENCE**
D. Harris (1,2); P. Weston (1); J. Harding (2)
(1) Hamilton, New Zealand; (2) Auckland, New Zealand
- 10:40-10:55 **DISAPPOINTMENT AMONG PARENTS TO NEWBORNS ALLOCATED TO THE CONTROL GROUP: A QUALITATIVE STUDY OF A RANDOMIZED CLINICAL TRIAL**
S. Meinich Petersen (1); V. Zoffmann (2); J. Kjærgaard (3); L. Graff Stensballe (4); G. Greisen (5)
(1,2,3) Copenhagen, Denmark

09:00-11:00

DESPACHANTES HALL

Parallel Session: UENPS session 2 - Brain injury in the preterm

Chairpersons: M. Blennow Stockholm, Sweden - J. Correia-Pinto Braga, Portugal

- 09:00-09:30 **WHAT HAPPENS BEFORE BIRTH? MOLECULAR MARKERS IN CORD BLOOD**
G. Buonocore Siena, Italy
- 09:30-10:00 **EEG - CLINICALLY USEFUL IN THE PRETERM?**
T. Stiris Oslo, Norway
- 10:00-10:30 **VASOPRESSORS - DOCTORING THE BLOOD PRESSURE ONLY?**
A. Pellicer Madrid, Spain
- 10:30-11:00 **DOBUTAMINE WHAT IS IT GOOD FOR?**
H. Rabe Brighton, United Kingdom

09:00-11:00

MIRAGAIA HALL

Pharmacology Section Business Meeting - All are welcome, but only members can vote

11:00-11:30 *Coffee Break*

11:30-12:30

ARCHIVE HALL

IPRF Plenary Session: Growth and development

Chairpersons: H. Rabe Brighton, United Kingdom - T. Stiris Oslo, Norway

11:30-12:00 **TIME SCALES IN BIOLOGY**

J. y Ontario, Canada

12:00-12:30 **EXPOSURE AND EXPRESSION OF EFFECTS IN ANIMAL MODELS OF PAEDIATRIC DISEASE**

P. Gressens Paris, France

12:30-12:55 *Pick-up Lunch*

13:00-14:25

D. LUIS HALL

Poster Session: Preterm Infants (clinical)

Chairperson: H. Rabe Brighton, United Kingdom

NEONATAL OUTCOME AND PROGNOSTIC EVALUATION OF CEREBRAL ULTRASOUND IN PRETERM INFANTS.

*S. Negro; M. L. Tataranno; S. Perrone; M. C. Muraca; M. G. Gatti; G. Russo; G. Buonocore
Siena, Italy*

CRANIAL ULTRASOUND FINDINGS IN VERY LOW BIRTH WEIGHT NEWBORNS: EXPERIENCE FROM ARMENIA

*P. Mazmanyan (1); F. Cowan (2); K. Nikoghosyan (1); V. Kerobyan (1); L. Grigoryan (1)
(1) Yerevan, Armenia; (2) London, United Kingdom*

LOW-GRADE INTRACRANIAL HEMORRHAGES OF PREMATURE: IS ULTRASOUND GOOD ENOUGH?

*A. Parodi (2); G. Morana (1); M. S. Severino (1); M. Malova (2); A. Rossi (1); A. R. Natalizia (2); A. Sannia (2); L. A. Ramenghi (2)
(1,2) Genoa, Italy*

SERIAL LUMBAR PUNCTURE IN PRETERM INFANTS WITH POST-HAEMORRHAGIC VENTRICULAR DILATATION: EXPERIENCE IN AN OUTBORNE CENTRE.

*P. Giliberti; I. Savarese; F. Campi; J. Rechichi; V. Mondì; I. Bersani; C. Corchia; A. Dotta
Rome, Italy*

LONG-TERM NEURODEVELOPMENTAL OUTCOMES OF PRETERM INFANTS WITH POST HEMORRHAGIC HYDROCEPHALUS REQUIRING SURGERY

*K. Diwakar; W. Hader; A. Soraisham; M. Kamaluddeen; R. Sauve; S. Tang; A. Lodha
Calgary, Canada*

POST-HAEMORRHAGIC VENTRICULAR DILATATION IN PRETERM INFANTS: INTERVENTIONS AND OUTCOMES IN A UK NEUROSURGICAL CENTRE

*S. Pal; S. O'Hare; T. Austin
Cambridge, United Kingdom*

PRETERM INFANTS ARE AT RISK FOR IMPAIRED CEREBELLAR GROWTH: A PROSPECTIVE ULTRASOUND STUDY

F. Correa; M. Cunha; R. Barroso; H. Carreiro
Lisbon, Portugal

PERSISTENT PERIVENTRICULAR FLARES ARE NOT RELATED TO SMALLER BRAINS AT TERM-EQUIVALENT AGE IN VERY PRETERM INFANTS

A. Graça (1); K. Cardoso (1); J. Costa (1); C. Moniz (1); F. Cowan (2)
(1) *Lisbon, Portugal*; (2) *London, United Kingdom*

CEREBELLAR VOLUMES AND COGNITIVE FUNCTION AT EARLY SCHOOL AGE AFTER INTRAUTERINE GROWTH RESTRICTION AND VERY PRETERM BIRTH

E. Morsing (1); A. Kahn (2); J. Lätt (2); J. Ahlstedt (1); K. Marsal (3); M. Asard (4); I. Björkman-Burtscher (2); D. Ley (1)
(1-4) *Lund, Sweden*

NEUROLOGICAL LONG TERM OUTCOME OF FETAL ISOLATED MILD VENTRICULOMEGALY.

A. De Carli (1); I. Fabietti (2); L. Bassi (1); A. Ottolini (3); A. Ometto (1); G. Baffero (2); I. Sirgiovanni (1); R. Fogliani (2); L. A. Ramenghi (4); L. Fedele (2); M. Fumagalli (1); F. Mosca (1)
(1-3) *Milan, Italy*; (4) *Genoa, Italy*

FETAL GROWTH RESTRICTION PREDISPOSES PRETERM CHILDREN TO SPECIFIC NEUROCOGNITIVE DEFICITS

H. Kallankari (1); T. Kaukola (1); P. Olsén (2); M. Hallman (1)
(1,2) *Oulu, Finland*

GESTATIONAL AGE AND IN-UTERINE GROWTH RESTRICTION PREDICT ATTENTION PROBLEMS AT SCHOOL AGE

S. Eryigit-Madzwamuse (1); D. Wolke (1,2)
(1,2) *Coventry, United Kingdom*

13:00-14:25

MIRAGAIA HALL

Poster Session: Delivery room management

Chairperson: A. te Pas Leiden, The Netherlands

DELIVERY ROOM PRACTICES IN PREMATURE INFANTS IN FRANCE IN 2011: PRELIMINARY RESULTS FROM THE NATIONAL FRENCH COHORT STUDY EPIPAGE 2

X. Durrmeyer (6); T. Debillon (1); P. Y. Ancel (2); L. Vasante (2); S. Marret (3); X. Hernandorena (4); J. C. Roze (5); The Epipage 2 Group
(1) *Grenoble, France*; (2) *Paris, France*; (3) *Rouen, France*; (4) *Bayonne, France*; (5) *Nantes, France*; (6) *Créteil, France*

CHANGES IN DELIVERY ROOM MANAGEMENT OF THE EXTREMELY LOW BIRTH WEIGHT INFANTS OVER TIME: A SURVEY OF PRACTICE IN ITALY

M. I. Satariano (1); G. Criscoli (2); N. Doglioni (1); L. Giannini (3); F. Ciralli (3); S. Di Fabio (3); C. Gizzi (3); C. Martano (3); L. Quartulli (3); F. Torielli (3); P. E. Villani (3); D. Trevisanuto (1,3)
(1) *Padua, Italy*; (2) *Treviso, Italy*

ACCURACY OF DELIVERY ROOM HEART RATE AUSCULTATION AT THE POINT OF NEED IN PRETERM INFANTS

C. Mann (1); C. Ward (1); N. Batey (1); J. Teoh (2); M. Grubb (2); J. Crowe (2); B. Hayes-Gill (2); N. Marlow (3); D. Sharkey (1)
(1,2) Nottingham, United Kingdom; (3) London, United Kingdom

EVALUATION OF THE LIFESTART TROLLEY TO PROVIDE NEWBORN RESUSCITATION AT THE MATERNAL BEDSIDE.

C. W. Yoxall (1); M. Thomas (1); A. Weekes (2); S. Ayers (3); L. Duley (4).
(1-2) Liverpool, United Kingdom; (3) London, United Kingdom; (4) Nottingham, United Kingdom

BEDSIDE RESUSCITATION OF PRETERM INFANTS WITH CORD INTACT IS ACHIEVABLE USING STANDARD RESUSCITATION.

B. Schoonakker (6); J. Dorling (2); S. Oddie (3); D. Batra(1); N. Grace (4); L. Duley (5)
On Behalf Of The Very Preterm Birth Qualitative Collaborative Group'
(1-5) Nottingham, United Kingdom

EXIT PROCEDURE: A CASE SERIES FROM LIVERPOOL WOMEN'S HOSPITAL

B. Palanisami (1); R. Sharma (2); M. Turner (3)
(1,2,3) Liverpool, United Kingdom

A RANDOMISED TRIAL OF USING GESTATIONAL AGE OR WEIGHT TO ESTIMATE NEONATAL ENDOTRACHEAL TUBE DEPTH OF INSERTION (ISRCTN40879573)

A. Flinn (1); C. Travers (1); E. Laffan (2); C. O'Donnell (1,3,4)
(1,2,3,4) Dublin, Ireland

IS IT TIME TO REVIEW GUIDELINES FOR ETT POSITIONING IN THE NICU? (SCEPTIC - SURVEY OF CHALLENGES ENCOUNTERED IN PLACEMENT OF ENDOTRACHEAL TUBES IN CANADIAN NICUS)

P. Sakhuja (2); H. Whyte (1,2,3); M. Finelli (2); J. Hawes (2); E. Finan (1,2,3)
(1-3) Toronto, Canada

THE RELATIONSHIP BETWEEN SUCCESSFUL INSERTION OF A NEONATAL-SIZED I-GEL AND A HEALTH CARE PROVIDER'S PROFESSION OR EXPERIENCE

T. Sugiyama; S. Mizutani; S. Sato; K. Komatsu; T. Morishita; M. Ueda; Y. Okubo; K. Mizuno
Shizuoka, Japan

HIGHER SUCCESS RATE AND OPERATOR SATISFACTION WITH I-GEL[®] LARYNGEAL MASK AIRWAY COMPARED TO FACE MASK: A MANNEQUIN STUDY OF NEONATAL RESUSCITATION IN UGANDA

N. J. Pejovic (1); D. Trevisanuto (2); J. Nankunda (3); T. Tylleskär (4)
(2) Padua, Italy; (3) Kampala, Uganda; (4) Bergen, Norway

FACIAL MEASUREMENTS TO DETERMINE OPTIMAL FACE MASK SIZE FOR RESPIRATORY SUPPORT IN PRETERM INFANTS

M. Thio (1,3); J. O'Shea (1,2); L. Owen (1,3,4); S. Donath (4); Ja. Dawson (1,3,4); Pg. Davis (1,3,4)
(1,3,4) Melbourne, Australia; (2) Cork, Ireland

PREDICTORS OF UNFAVOURABLE THERMAL OUTCOME DURING EMERGENCY RETRIEVALS OF NEWBORN INFANTS

B. Skiöld (1); M. Stewart (1,2); C. Theda (1,2,3,4)
(1-4) Melbourne, Australia

HEAT LOSS PREVENTION IN VERY PRETERM INFANTS IN DELIVERY ROOM: A PROSPECTIVE, RANDOMIZED, CONTROLLED TRIAL OF POLYETHYLENE TOTAL BODY SKIN WRAPPING.

N. Doglioni (1); L. Marchetto (1); A. Conti(1); L. Vecchiato(2); M. Bellettato(2); S. Palatron(3); M. Filippone(3); L. Chiandetti(1); D. Trevisanuto(1)

(1,3) Padua, Italy; (2) Vicenza, Italy

13:00-14:25

D. MARIA HALL

Poster Session: Necrotizing enterocolitis

Chairperson: G. Greisen Copenhagen, Denmark

RED BLOOD TRANSFUSION IS A RISK FACTOR IN DEVELOPING NECROTIZING ENTEROCOLITIS IN VERY LOW BIRTH WEIGHT INFANTS IN A INTENSIVE CARE UNIT IN SOUTH OF BRAZIL

P. D. J. Hartmann Nader (2); S. Indicatti Flamenghi (1); S. Salgado Nader (1,2); A. Luize Harff (1)
(1,2) Porto Alegre, Brazil

ASSOCIATION OF RED BLOOD CELL TRANSFUSIONS AND NECROTIZING ENTEROCOLITIS IN PRETERM INFANTS

A. T. Gil; S. Morais
Coimbra, Portugal

RED BLOOD CELL TRANSFUSION AND NECROTIZING ENTEROCOLITIS IN VLBW: WE DO NOT FIND ANY ASSOCIATION

E. Dusi; S. Ghirardello; S. Ferranti; C. Pietrasanta; B. Ghirardi; L. Pagni; F. Mosca
(1) Milan, Italy

CONVENTIONAL LABORATORY PARAMETERS IN THE EARLY PREDICTION OF NEED FOR SURGERY IN NECROTIZING ENTEROCOLITIS.

A. G. J. F. van Zoonen (1); M. Schurink (1); G. S. Maes (1); K. van Braeckel (2); A. F. Bos (2); J. B. F. Hulscher (1)
(1,2) Groningen, The Netherlands

LOW CEREBRAL AND SPLANCHNIC TISSUE OXYGEN SATURATION IN PRETERM INFANTS WITH (SUSPECTED) NECROTIZING ENTEROCOLITIS PREDICT SEVERE DISEASE PROGRESSION

T. E. Schat (1); M. Schurink (2); M. E. van der Laan (1); C. V. Hulzebos (1); J. B. F. Hulscher (2); A. F. Bos (1); E. M. W. Kooi (1)
(1,2) Groningen, The Netherlands

NEONATAL PNEUMOPERITONEUM: COMPARISON OF THE SUPINE ABDOMINAL WITH THE SUPINE CROSS TABLE RADIOGRAPH IN DIAGNOSTIC ACCURACY

P. Siddhi; S. Sanka; J. Hughes; P. Set; A. Curley; V. Venkatesh
Cambridge, United Kingdom

SPONTANEOUS INTESTINAL PERFORATIONS VS NECROTISING ENTEROCOLITIS PERFORATIONS: 10 YEAR EXPERIENCE OF A U.K. TERTIARY LEVEL PAEDIATRIC SURGERY CENTRE

S. Singh; J. Corbett; A. Bandi; P. Clarke; N. Bouhadiba
Norwich, United Kingdom; London, United Kingdom

MORBIDITY AND MORTALITY ASSOCIATED WITH NEC IN A TERTIARY SURGICAL CENTRE

J. Lang (1); J. Diviney (1); S. Vellacott (1); J. Ling (1); C. Jackson (1); S. Farrell (1); A. D'Amore (1); B. J. Allison (2); V. Venkatesh (1); A. Curley (1)
(1,2) Cambridge, United Kingdom

COST OF SURGICAL VS MEDICAL MANAGEMENT OF NECROTISING ENTEROCOLITIS

J. Ling (1); J. Lang (2); J. Diviney (1); S. Vellacott (2); A. Curley (2); A. D'Amore (2)
(1,2) Cambridge, United Kingdom

MANAGING NEWBORN ILEOSTOMIES

M. Crealey (1); M. Walsh (1); J. F. Murphy (1); S. Awadella (2)
(1,2) *Dublin, Ireland*

DECISION OF ENTEROSTOMY REVERSAL TIMING FOR PREMATURE INFANTS

J. Lee; Y. Hwa Jung; S. Han Shin; J. A. Sohn; E.-K. Kim; H.-S. Kim; J.-H. Choi
Seoul, Republic of Korea

NECROTIZING ENTEROCOLITIS: A 22 YEARS STUDY IN A MEDICAL-SURGICAL NEONATAL CENTRE

P. Garcia (1,2); A. Pita (1); M. T. Neto (1,2); P. Casella (3); M. Serelha (1)
(1-3) *Lisbon, Portugal*

13:00-14:25

S. JOAO HALL

Poster Session: Micronutrients and metabolism

Chairperson: M. Domellöf Umea, Sweden

PREVALENCE OF IRON DEFICIENCY ANEMIA IN INFANTS BORN VERY LOW BIRTH WEIGHT PRETERM AT 1 YEAR CORRECTED AGE AND RISK FACTORS

R. Silveira; C. Ferri; R. Procianny
Porto Alegre, Brazil

HEPCIDIN CONCENTRATION IN CORD BLOOD OF TERM AND PRETERM INFANTS CORRELATES WITH GESTATIONAL AGE AND FERRITIN

L. Lorenz (1); J. Herbst (1); A. Peter (2); A. Harald (3); O. Gordana (4); M. Westerman (4); C. F. Poets (1); A. R. Franz (1)
(1-3) *Tuebingen, Germany*; (4) *La Jolla, United States of America*

EFFECTS OF DELAYED VERSUS EARLY CORD CLAMPING ON IRON STATUS AND NEURODEVELOPMENT AT 12 MONTHS OF AGE - A RANDOMIZED TRIAL

O. Andersson (1,2); M. Domellöf (3); L. Hellström-Westas (1)
(1) *Uppsala, Sweden*; (2) *Halmstad, Sweden*; (3) *Umeå, Sweden*

IRON STATUS IN INFANTS BORN AFTER 32 TO 37 WEEKS OF GESTATIONAL AGE; PRELIMINARY RESULTS OF THE IPI STUDY

L. Uijtershout (1); L. Rövekamp (1); P. Vos (2); M. Abbink (3); B. Boersma (3); P. Franck (4); J. B. van Goudoever (5); F. Brus (1)
(1,2,4) *The Hague, The Netherlands*; (3) *Alkmaar, The Netherlands*; (5) *Amsterdam, The Netherlands*

EFFECTS OF IRON SUPPLEMENTS AND PERINATAL BACKGROUND ON FETAL HEMOGLOBIN DISAPPEARANCE IN INFANTS.

S. Berglund (1); J. Lindberg (1); B. Westrup (2); M. Domellöf (1)
(1) *Umeå, Sweden*; (2) *Stockholm, Sweden*

THE INTERACTION EFFECT OF C-REACTIVE PROTEIN AND MALNUTRITION ON LOW PLASMA SELENIUM IN CRITICALLY ILL CHILDREN

H. Pons Leite (1); S. Brasil de Oliveira Iglesias (1); Â. Tavares Paes (1); S. Vieira de Oliveira (1); R. O. S. Sarni (2)
(1,2) *São Paulo, Brazil*

VITAMIN D DEFICIT IN OVERWEIGHT CHILDREN AND ADOLESCENTS

J. R. Monteiro (1); A. L. Leite (2); M. I. Monteiro (1); I. Nunes (1); E. Marques (3); S. Faria (3); M. Costa (1); L. Gomes (1)

(1-3) Esmoriz, Portugal

CUMULATIVE DIETARY AND SUPPLEMENTAL VITAMIN D INTAKE IN PRETERM INFANTS: HOW MUCH VITAMIN D IS ENOUGH?

C. Onwuneme (1); F. Martin (1); R. McCaarthy (1); M. Kilbane (2); N. Murphy (3); M. J. McKenna (2); E. J. Molloy (1,4,5,6)

(1-6) Dublin, Ireland

FISH OIL SUPPLEMENTATION IN PREGNANT DIET AND VISUAL DEVELOPMENT OF CHILDREN: DIFFERENTIAL EFFECT DEPENDING ON GENDER

J. A. Hurtado Suazo (1); M. Peña (1); F. Lara-Villoslada (2); J Ruiz (1); Mc Iznola (1); L Peña (3); P Sanjurjo (4); N Kajarabille (5); J. Ochoa (5) and Nugela Working Group.

(1,2) Granada, Spain; (3) Candelaria, Gran Canaria; (4) Bilbao, Spain; (5) Granada, Spain

CHOLINE DEFICIENCY IN PRETERM INFANTS - POSTNATAL DECREASE IN PLASMA CONCENTRATION AS AN INDICATOR OF CHOLINE UNDERNOURISHMENT

W. Bernhard (1); M. Raith (1); V. Koch(1); R. Kunze(1); C. Maas(1); H. Abele(2); C. F. Poets(1); A. R. Franz(1)

(1,2) Tübingen, Germany

CALCIUM, PHOSPHORUS AND MAGNESIUM IN SMALL FOR GESTATIONAL AGE (SGA) INFANTS IN CORD BLOOD AND AT 72H OF AGE

S. Milenkovic (1); N. Jaksic Ristovski (1); M. Jovandarcic (1); B. Dunjic (1); V. Bankovic (1); M. Milenkovic (2); T. Nikolic (1)

(1,2) Belgrade, Serbia

PLASMA PHOSPHOLIPID ALTERATIONS IN PRETERM INFANTS AS INDICATORS OF ESSENTIAL FATTY ACID IMBALANCE AND UNDERNOURISHMENT

W. Bernhard (1); M. Raith (1); V. Koch(1); R. Kunze(1); C. Maas(1); H. Abele(2); C. F. Poets(1); A. R. Franz(1)

(1,2) Tübingen, Germany

DO GENDER AND PERINATAL FACTORS AFFECT THE REDOX STATE OF THE TERM NEWBORN AT BIRTH AND WITHIN THE FIRST 48H?

A. Cilla (2); J. Arnáez (2); P. Muñiz (3); M. Cavia (4); R. Alcarraz (4); D. Armesto (4); L. Puente (1); G. Aja (1)

(1-4) Burgos, Spain

FOCAL CONGENITAL HYPERINSULINISM: ADENOMATOUS HYPERPLASIA OF PANCREATIC ENDOCRINE CELLS. IMMUNOHISTOCHEMICAL ANALYSIS OF P57 EXPRESSION.

P. Francalanci (1); R. Mariani (1); I. Giovannoni (1); C. Dionisi-Vici (2); A. Maiorana (2); L. Monti (3); M. Pizzoferrero (3); J. de Ville de Gojet (4); V. Rufini (5); J. Rahier (6); R. Boldrini (1); F. Callea (1)
(1-5) Rome, Italy; (6) Bruxelles, Belgium

MALNUTRITION AS A PREDICTOR OF DEVELOPMENT AND OUTCOME OF ACUTE KIDNEY INJURY IN CHILDREN WITH CRITICAL ILLNESS.

L. Silveira Nina de Azevedo; P. C. Kock Nogueira; H. Pons Leite
São Paulo, Brazil

13:00-14:25

INFANTE HALL

Poster Session: Non-invasive ventilation

Chairpersons: K. Bohlin Stockholm, Sweden

NASAL INTERMITTENT POSITIVE PRESSURE VENTILATION (NIPPV) VERSUS NASAL CPAP (NCPAP) POST-EXTUBATION IN PRETERM INFANTS: AN UPDATED SYSTEMATIC REVIEW AND META-ANALYSIS

B. Lemyre (6); H. Kirpalani (1); D. M. Millar (2); R. S. Roberts (3); A. De Paoli (4); P. G. Davis (5)
(1) Philadelphia, United States of America; (2) Belfast, United Kingdom; (3) Hamilton, Canada; (4) Hobart, Australia; (5) Melbourne, Australia; (6) Ottawa, Canada

CONTINUOUS POSITIVE AIRWAY PRESSURE AS THE FIRST TREATMENT CHOICE FOR RESPIRATORY DISTRESS IN PRETERM INFANTS - A POPULATION BASED STUDY.

H. S. Svavarsdottir; T. Thorkelsson
Reykjavik, Iceland

EARLY (PROPHYLACTIC) SURFACTANT AT DELIVERY DOES NOT IMPROVE OUTCOME IN VERY LOW BIRTH WEIGHT INFANTS

D. Bratlid (1,2); M. Nesje (1)
(1,2) Trondheim, Norway

SURFACTANT INADVERTENT LOSS USING FEEDING CATHETERS OR ENDOTRACHEAL TUBES

D. De Luca; A. Minucci; L. Gentile; M. Piastra; E. D. Capoluongo
Rome, Italy

PROPHYLACTIC INTUBATION AND SURFACTANT VS PROPHYLACTIC BUBBLE-NCPAP AND SELECTIVE SURFACTANT AT 2-4 HOURS OF AGE IN PRETERM INFANTS OF 23+0-29+6 WEEKS GESTATION (GA)

T. Hunt (1); L. Mahoney (1,2); H. Rabe (1,2); N. Aiton (1,2); P. Amess (1,2); R. Bomont (1,2); R. Fernandez (1,2)
(1,2,3,4,5,6) Brighton, United Kingdom

CAN OPTIFLOW DELIVER HIGH FLOW NASAL CANNULAE OXYGEN FLOW EFFECTIVELY?

A. Rakhecha (2); P. C. Bustani (1)
(1) Sheffield, United Kingdom; (2) Manchester, United Kingdom

PATIENT COMFORT DURING TREATMENT WITH HIGH FLOW NASAL CANNULA VERSUS NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE: A RANDOMISED CROSSOVER TRIAL

C. Klingenberg (1,2); A. Leknessund (1); M. Nordhov (1); L. Gustavsen (1); M. Pettersen (1); E.A. Hansen (1); I. Andersen (1); P.I. Kaaresen (1,2)
(1-2) Tromsø, Norway

NEW MODES OF RESPIRATORY SUPPORT FOR PRETERM INFANTS: HAVE ASSOCIATED OUTCOMES IMPROVED?

G. Oscar; D. Duffy
London, United Kingdom

A RANDOMISED CROSS-OVER TRIAL OF ALGORITHM-GUIDED VERSUS ROUTINE NURSE OXYGEN THERAPY MANAGEMENT FOR PRETERM INFANTS

A. Clarke (1); E. Yeomans (2); K. Elsayed (2); A. Medhurst (2); E. Skuza (1); P. Berger (1); K. Tan (1,2)
(1) Melbourne, Australia

THE PROSEAL LARYNGEAL MASK AIRWAY IN PEDIATRIC PATIENTS UNDERGOING ELECTIVE GENITOURINARY SURGERY

D. Galante
Foggia, Italy

DURATION OF WEANING PREMATURE INFANTS FROM CPAP - SINGLE INSTITUTIONAL DATA

A. Kidszun; M. Plate; C. Arnold; J. Winter; E. Mildemberger
Mainz, Germany

13:00-14:25

ARRABIDA HALL

Poster Session: Haematology. ROP

Chairpersons: G. Pichler Graz, Austria

GRAVITY AND PLACENTAL TRANSFUSION FOR TERM BIRTH

N. Batey (1); J. Dorling (1); S. Oddie (2); B. Schoonakker (3); N. Grace (4); L. Duley (5) on behalf of the 'Very Preterm Birth Collaborative Group'
(1,2,3,4,5) Nottingham, United Kingdom

CLINICAL PRESENTATION AND OUTCOME OF NEONATES BORN WITH FETOMATERNAL HAEMORRHAGE IN A TERTIARY NEONATAL INTENSIVE CARE UNIT IN UNITED KINGDOM

H. Gowda; P. Jorge; P. Satodia
Coventry, United Kingdom

EVALUATION OF PLATELET AGGREGATIVE CAPABILITY AT CARDIOVASCULAR SYSTEM DISEASES IN CHILDREN

L. Namazova-Baranova; O. Gordeeva; E. Chernavina; M. Babaykina; N. Vashakmadze
(1-3) Moscow, Russia

HAEMOGLOBIN AT BIRTH AND BLOOD TRANSFUSION IN PRETERM INFANTS

J. Banerjee; D. P. Singhvi (2); A. W. Kwan (2); J. C. Gooch (3); N. Aladangady (1, 2, 4) (1,2,3) London, United Kingdom; (4) Dharwad, India

HAEMOGLOBIN AT BIRTH AND SHORT-TERM OUTCOMES IN PRETERM INFANTS

J. Banerjee; A. W. Kwan (2); D. P. Singhvi (2); J. C. Gooch (3); N. Aladangady (1, 2, 4) (1,2,3) London, United Kingdom; (4) Dharwad, India

PLATELETS FOR NEONATAL TRANSFUSION - STUDY 2 PLANET-2: A RANDOMISED CONTROLLED TRIAL TO COMPARE TWO DIFFERENT PLATELET COUNT THRESHOLDS FOR PROPHYLACTIC PLATELET TRANSFUSION TO PRETERM NEONATES.

V. Venkatesh (1); R. Khan(1); A. Curley (1); P. Clarke (2); T. Watts (3); H. New (4); P. Muthukumar (2); K. Willoughby (5); A. Deary (5); S. Stanworth (6)
(1,5) Cambridge, United Kingdom; (2) Norwich, Norfolk, United Kingdom; (3,4) London, United Kingdom; (6) Oxford, United Kingdom

A NOVEL TECHNIQUE- CONTINUOUS ARTERIO-VEIN EXCHANGE (CAVE) VS CONVENTIONAL PULL-PUSH TECHNIQUE OF PARTIAL EXCHANGE TRANSFUSION IN NEONATES WITH POLYCYTHEMIA- A DOUBLE-BLINDED RANDOMIZED CONTROLLED TRIAL

S. Sajjan Saini; S. Patil (1); P. Kumar (2); R. Shah (3)
(1-3) Pgimer, India; (4) Chandigarh, India

NR OF RETINAL BRANCHING POINTS CORRESPONDS TO HEAD SIZE IN INFANCY AND ADULTHOOD IN SUBJECTS BORN PRETERM

A. Kistner; L. Jacobson (1); A. Niklasson (2); J. Sigurdsson (3); A. Hellström (3)
(1) Stockholm, Sweden; (2) Gothenburg, Sweden

INFANTILE HEMANGIOMAS AND RETINOPATHY OF PREMATURITY: COMMON MECHANISMS OF PATHOGENESIS?

R. Hyland (2); K. Komlósi (2); B. Alleman (1); M. Tolnai (2); L. Wood (1); E. Bell (1); T. Ertl (2)
(1) Iowa City, United States of America; (2) Pécs, Hungary

THE EFFECT OF CHORIOAMNIONITIS ON RETINOPATHY OF PREMATURITY: A META-ANALYSIS

S. Mitra (3); D. Aune (1); O. D. Saugstad (2)
(1) London, United Kingdom; (2) Oslo, Norway

IMPORTANCE OF TIME PERCEPTION ON THE VARIABILITY OF CAPILLARY REFILL TIME ASSESSMENT BY PAEDIATRIC STAFF

C. Henry; L. Barker (1); E. Lincoln (2); H. Shalabi (3); D. Sharkey (4)
(1,2,3,4) Nottingham, United Kingdom

24H NIRS MEASUREMENTS IN PRETERM AND TERM NEONATES: IMPACT OF ARTEFACTS

G. Pichler; J. Schmitz; C. Binder; B. Schwabegger; B. Urlesberger
Graz, Austria

13:00-14:25

PORTO HALL

Poster Session: MRI Imaging in preterms

Chairpersons: S. Horsch Rotterdam, The Netherlands

REMOTE ISCHEMIC POSTCONDITIONING IN A PIGLET MODEL OF HYPOXIC-ISCHEMIC ENCEPHALOPATHY

K. J. Kyng (1); K. Bennedsgaard(1); S. Kernn-Jespersen (1); T. Skajaa (1); M. Pedersen (2); I. Holm (3); T. B. Henriksen (1)
(1,2,3) Aarhus

RELATIONSHIPS BETWEEN LOW PCO2 AND DIFFUSION TENSOR IMAGING MRI VARIABLES IN HYPOCARBIC BABIES: A PILOT STUDY

B. Palanisami (1); L. Abernethy (2); C. Morgan (1); M. Turner (3)
(1,2,3) Liverpool, United Kingdom

GLOBAL AND REGIONAL BRAIN TISSUE VOLUME ALTERATIONS IN EXTREMELY PRETERM INFANTS AT TERM-EQUIVALENT AGE

N. Padilla (4); G. Mårtensson (1); B. Vollmer (1); M. Blennow (2,3); H. Lagercrantz (1,2); U. Ådén (1,2)

(1-3) Stockholm Sweden; (4) Barcelona, Spain

INCREASED RATIO TAURINE/TOTAL CREATINE ON BRAIN MAGNETIC RESONANCE SPECTROSCOPY CAN BE A PREDICTOR IN NEONATAL ENCEPHALOPATHY.

C. Uria-Avellanal (3); A. Bainbridge (2); J. Hassell (1); M. Proisy (1); G. Kendall (1); E. Cady (2); X. Golay (2); N. J. Robertson (1)
(1-3) London, United Kingdom

CHARACTERIZATION OF CEREBRAL WHITE MATTER DAMAGE IN NEONATAL ENCEPHALOPATHY USING 1H MR SPECTROSCOPY, DIFFUSION WEIGHTED MR IMAGING AND T2 RELAXOMETRY.

M. Proisy (1); G. Kendall (1); C. Uria-Avellanal (1); A. Bainbridge (2); A. Melbourne (3); S. Ourselin (3); A. Huertas-Ceballos (1); X. Golay (4); N. J. Robertson (1)
(1-4) London, United Kingdom

MAGNETIC RESONANCE IMAGING IN NEWBORN INFANTS AFTER THERAPEUTIC HYPOTHERMIA FOR NEONATAL ENCEPHALOPATHY: ALL IS NOT AS IT SEEMS

D. Iyamabo (1); S. Shanmugalingam (1); T. Austin (2); J. M. Pohler (2); K. Wijewardena (3); P. Clarke (3)
(1) Luton, United Kingdom; (2) Cambridge, United Kingdom; (3) Norwich, United Kingdom

DESIGNING STIMULATION PROTOCOLS TO MAXIMIZE SENSITIVITY IN NEONATAL FMRI

R. Cusack (1); C. Wild (1); T. Arichi (2); N. Gelman (3); A. Linke (1)
(1-2) London, Canada; (3) London, United Kingdom

IS MRI IN THE FIRST DAYS OF LIFE AN ACCURATE TOOL TO IDENTIFY HYPOXIC-ISCHEMIC LESIONS? CORRELATION BETWEEN EARLY AND LATE MRI.

T. Agut (1); A. García-Alix (1); M. Rebollo (2); M. Leon (1); V. Tenorio (1); M. Camprubi (1); A. Alarcon (1)
(1,2) Barcelona, Spain

ASSOCIATION OF HYPOTHALAMIC HAMARTOMAS AND CORTICAL DYSPLASIAS IN CHILDREN: REVIEW OF 14 CASES.

A. Alikhanov (1); E. Perepelova (2); G. Tereshenko (3); V. Chadaev (1)
(1-3) Moscow, Russia

STRUCTURAL MAGNETIC RESONANCE IMAGING IN THE DIAGNOSIS OF EPILEPSY IN CHILDREN.

I. Melnikov (1); M. Ublinsky (1); T. Akhadov (1); N. Semenova (1); D. Kupriyanov (2)
Moscow, Russia

1H MRS EVALUATION OF THE STEM CELLS THERAPY EFFECTS ON NEURONAL INTEGRITY IN BRAIN OF CHILDREN WITH LONG -TERM EFFECTS OF SEVERE TRAUMATIC BRAIN INJURY.

S. Sidorin; M. Ublinsky; I. Melnikov; N. Semenova; T. Akhadov; E. Fufaeva
Moscow, Russia

1H MRS IN THALAMUS OF CHILDREN IN VEGETATIVE STATE AFTER TRAUMATIC BRAIN INJURY.

M. Ublinsky; I. Melnikov; T. Akhadov; N. Semenova; S. Sidorin
Moscow, Russia

MRI DIAGNOSTICS OF SECONDARY ISCHEMIC CHANGES IN CHILDREN BRAIN INJURIES.

I. Melnikov (1); T. Akhadov (1); N. Semenova (1); S. Sidorin (1); D. Kupriyanov (2)
Moscow, Russia

13:00-14:25

DESPACHANTES HALL

Poster Session: NIRS in infants. Animal models of brain injury

Chairpersons: U. Felderhoff-Müser Essen, Germany

THE EFFECT OF TRANSIENT HYPEROXIA ON REGIONAL CEREBRAL TISSUE OXYGENATION IN PRETERM AND TERM NEONATES.

M. Thing (2); L.C. Sørensen(1); O. Pryds(2)
(1) Herlev, Denmark; (2) Hvidovre, Denmark

ASSESSMENT OF NEUROVASCULAR COUPLING IN NEONATES USING SIMULTANEOUS DOI AND EEG

L. Dempsey (1); C.W. Lee (1); R. Cooper (2); H. Singh (2); S. Brigadoi (2); A. Edwards (1); J. Hebden (2); T. Austin (1)
(1) Cambridge, United Kingdom; (2) London, United Kingdom

THE VALUE OF NEAR-INFRARED SPECTROSCOPY (NIRS) IN PRETERM INFANTS WITH POSTHAEMORRHAGIC VENTRICULAR DILATATION

F. Norooz (1); B. Urllesberger (2); K. Klebermasz-Schrehof (1); C. Czaba (1); E. Obwegeser(1); V. Giordano (1); A. Berger (1); M. Weninger (1); M. Olischar (1)
(1) Wien, Austria; (2) Graz, Austria

REGIONAL CEREBRAL OXYGENATION VALUES IN THE FIRST 48 HOURS OF LIFE ARE LOWER IN VERY PRETERM INFANTS WITH ADVERSE OUTCOME?

M. Wall; E. Dempsey
Cork, Ireland

BILATERAL CORTICAL N2O MAY PREDICT NORMAL BRAIN MRI IN NEWBORNS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY TREATED WITH HYPOTHERMIA

S. Pro (1); P. Giliberti (2); I. Savarese (2); D. Longo (3); M. Balestri (1); C. Casciani (1); B. Alessandri (1); E. Mondì (2); G. Calbi (4); A. Dotta (2); M. Di Capua (1)
(1,2,3,4) Rome, Italy

CORRELATIONS BETWEEN A MARKER OF PERINATAL ILLNESS SEVERITY (CRIB-2 SCORE) AND DIFFUSION WEIGHTED MRI VARIABLES IN PRETERM BABIES: A PILOT STUDY

B. Palanisami (1); B. L. Abernethy(2); M. Turner (3)
(1,2,3) Liverpool, United Kingdom

CONDUCTING REPETITIVE MRI AND VOLUMETRIC MEASUREMENTS OF THE PRETERM PIGLET BRAIN

A. M. Plomgaard (1); M. M. Maibom (2); T. Thymann (2); C. Thomsen (3); P.T. Sangild (2); G. Greisen (1)
(1,3) Copenhagen, Denmark

TEMPORARY THERAPEUTIC WINDOW OF CANNABIDIOL FOR NEUROPROTECTION AFTER BRAIN HYPOXIA-ISCHEMIA IN NEWBORN MICE.

N. M. El Demerdash (1,2); M. R. Pazos (2); M. Ceprian (2); O. D. Saugstad (1); J. Martinez-Orgado (2)
(1) Oslo, Norway; (2) Madrid, Spain

ENDOGENOUS CDP-CHOLINE AS A PROMISING CANDIDATE BIOMARKER FOR HYPOXIA-DERIVED BRAIN DAMAGE IN A NEWBORN PIGLET MODEL

J. Kuligowski (1); M. Vento (1,2); R. Solberg (3); J. Escobar (1); O. D. Saugstad (3); G. Quintás (4)
(1,2,3,4) Valencia, Spain

IMAGING PH CHANGES IN PIGLET BRAIN AFTER ACUTE HYPOXIA-ISCHEMIA USING AMIDE PROTON TRANSFER (APT)

M. Rega (1); F. Torrealdea (1); A. Bainbridge (2); D. Price (2); K. Broad (3); I. Fierens (3); M. Ezzati (3); A. Oliver-Taylor (1); R. Burnett (3); C. Uria (3); Ni. Robertson (3); S. Walker-Samuel (4); D. Thomas (1); X. Golay (1)
(1,2,3,4) London, United Kingdom

GENE EXPRESSION CHANGES IN THE BRAIN OF OGG1/MUTYH KNOCKOUT MICE FOLLOWING A HYPOXIA-REOXYGENATION INSULT

A. G. W. Rognlien (1,2); E. J. Wollen (1,2); M. Atneosen-Aasegg (1,3); M. Bjørås (4); O. D. Saugstad (1,2)
(1,2,4) Oslo, Norway; (3) Lørenskog, Norway

MPGES-1 AND COX-2 EXPRESSION IN BRAINSTEM BEFORE AND AFTER RESUSCITATION IN PRETERM LAMB.

V. Siljehav (1); N. Hale (2); T. Moss (2); M. Tolcos (2); E. Herlenius (1); G. Polglase (2)
(1) Stockholm, Sweden; (2) Victoria, Australia

REMIFENTANIL EXERTS AN ANTI-APOPTOTIC EFFECT ON IMMATURE MICE BRAIN: ACTION MECHANISMS

C. Chollat (1,2); F. Tourrel (1,3); L. Donval (1,2); S. Marret (1,2); F. Dufrasne (4); B. Dureuil (2); B. Gonzalez (1); S. Jégou (1)
(1,2,3) Rouen, France; (4) Ulb, Belgium

NEURO-INFLAMMATION AND MESIAL TEMPORAL LOBE EPILEPSY IN THE DEVELOPING BRAIN: FROM TOLL-LIKE RECEPTOR 4 TO INFLAMMATION RELATED MICRORNAS

A. Omran; N. Gan; M. Usman Ashhab; F. Yin
Changsha, China

DECREASED PROLIFERATION OF THE CEREBELLAR EXTERNAL GRANULAR LAYER FOLLOWING PRETERM BIRTH IN RABBIT PUPS

S. Kristbjörg (7); J-K Länsberg (1); S. Sveinsdottir (1); M. Garwicz (2); L. Ohlsson (3); A. Hellström (4); S. Le (5); M. Gram (6); D. Ley (1)
(1,2,3,6) Lund, Sweden; (4) Gothenburg, Sweden; (5) Boston, United States of America

A NEW METHOD FOR THE STUDY OF CSF IN IMMATURE RATS.

J. Rodriguez Fanjul (1); C. D. Fernandez-Feijoo (2); M. Goretti López Ramos (3); M. Camprubí (4)
(1-4) Barcelona, Spain; (5) Esplugues De Llobregat, Spain

EFFECTS OF NEONATAL OXYGEN TOXICITY ON MYELIN ULTRASTRUCTURE IN MICE

T. Schmitz (1); J. Ritter (2); S. Endesfelder (1); W. Moebius (3); L. J. Chew (2); V. Gallo (2); C. Bührer (1)
(1) Berlin, Germany; (2) Washington, United States of America; (3) Göttingen, Germany

14:30-16:25

DESPACHANTES HALL

Parallel Session: Brain and development track

Chairpersons: M. Fumagalli Milan, Italy - B. Hallberg Huddinge, Sweden

14:30-14:55 **Keynote Lecture: SURROGATE OUTCOMES FOR NEUROPROTECTION TRIALS IN PRETERM INFANTS**

D. Edwards, London United Kingdom

14:55-15:10 **CEACAM1 AND ITS IMPACT ON MYELINATION**

S. Prager (1); B. B. Singer (2); I. Bendix (1); F. Bertling (1); B. Ceylan (1); G. W. Schlager (3); M. Keller (3); S. Ergün (4); U. Felderhoff-Müser (1)
(1,2) Essen, Germany; (3) Orden, Germany; (4) Würzburg, Germany

15:10-15:25 **EFFECTS OF LEVETIRACETAM IN A MODEL OF OXYGEN-GLUCOSE DEPRIVATION IN PRIMARY HIPPOCAMPAL NEURONS**

K. Stock (1); K. Wegleiter; A. Posod; M. Urbanek (1); R. I. Stanika (2); G. J. Obermair (2); U. Kiechl-Kohlendorfer (1); E. Griesmaier (1)
(1,2) Innsbruck, Austria

15:25-15:40 **EFFECTS OF HYPOTHERMIA AND LEVETIRACETAM ON NEUROPROTECTIVE PATHWAYS AFTER HYPOXIA-ISCHEMIA IN THE NEONATAL MOUSE BRAIN**

K. Strasser (1); D. Brait (1); L. Lueckemann (1); B. S. Reinboth (1); I. Bendix (1); M. Dzierko (1); S. Winning (2); J. Fandrey (2); U. Felderhoff-Müser (1)
(1,2) Essen, Germany

15:40-15:55 **LONG-TERM FOLLOW-UP OF CHILDREN BORN WITH EXTREMELY LOW BIRTH WEIGHT: STANDARDIZED PARENTAL ASSESSMENT OF DEVELOPMENTAL AND BEHAVIORAL PROBLEMS AT 11-12 YEARS OF AGE**

S. Behm (1); V. Tammiska (1); A. Lano (1); L. Klenberg (2); A. Haavisto (2); L. Lehtonen (3); T. Löppönen (4); P. Olsén (5); O. Tammela (6); V. Fellman (1,7)
(1,2) Helsinki, Finland; (3) Turku, Finland; (4) Kuopio, Finland; (5) Oulu, Finland; (6) Tampere, Finland; (7) Lund, Finland

16:10-16:25 **YOUNG ADULTS BORN PRETERM WITH VERY LOW BIRTH WEIGHT DISPLAYS DIFFERENT LATENCY IN EVENT RELATED CUE-P3 POTENTIAL THAN CONTROLS**

A. E. Solsnes (1); J. F. Brunner (1); G. C. C. Løhaugen (2); K. A. I. Evensen (3); A. M. Brubakk (4); J. S. Skranes (5); A. Håberg (6)
(1,2,3,4,5,6) Trondheim Norway

14:30-16:25

D. LUIS HALL

Parallel Session: Epidemiology track

Chairpersons: J. Zeitlin Paris, France - P. Truffert Lille, France

14:30-14:55 **Keynote Lecture: CEREBRAL PALSY AND MORTALITY IN PRETERM INFANTS**
D. Virella Lisbon, Portugal

14:55-15:10 **THE UNBORN SIBLINGS OF PRETERM INFANTS - A FOLLOW UP REGISTER-LINKAGE STUDY OF THE 1987-1990 FINNISH BIRTH COHORT**

S. Turkka (1); E. Kajantie (1,2); M. Vääräsmäki (3,4); M. Gissler (1); A. Pouta (3); P. Hovi (1,2)
(1,2) Helsinki, Finland; (3,4) Oulu, Finland

15:10-15:25 **DISCHARGE HOME OF VERY LOW BIRTH WEIGHT INFANTS (VLBW): HOW MUCH AMBITIOUS SHOULD BE THE NEONATOLOGIST?**

G. Cristofori; A. Orsi; M. Vanzati; V. Cecchetti; A. Griggio; I. Amodeo; F. Ciuffini; G. Cavallaro; F. Mosca
Milan, Italy

15:25-15:40 **HEALTH ECONOMIC IMPACT OF LATE AND MODERATE PRETERM BIRTH**

E. Boyle (1); K. A. Khan (2); P. Stavros (2); S. Johnson (1); B. Manktelow (1); E. S. Draper (1); L. K. Smith (1); N. Marlow (3); D. J. Field (1)

(1) Leicester, United Kingdom; (2) Warwick, United Kingdom; (3) London, United Kingdom

- 15:40-15:55 **HEALTH-RELATED QUALITY OF LIFE OF YOUNG ADOLESCENTS BORN VERY PRETERM: A NATIONAL COHORT STUDY**
G. Natalucci (1); M. Adams (1); M. Von Rhein (3); R. Everts (4); H. U. Bucher (1); B. Latal (2) for the Swiss Neonatal Network & Follow-Up Group
(1,2) Zurich, Switzerland; (3) Winterthur, Switzerland; (4) Berne, Switzerland
- 15:55-16:10 **CAN A CHANGE IN INSTITUTIONAL PRACTICE BY AVOIDING ELECTIVE C-SECTION BEFORE 39-WEEKS GESTATION DECREASE NICU ADMISSIONS AND HOSPITAL COSTS?**
A. Soliz; L. Scott
Miami, United States of America
- 16:10-16:25 **IMPACT OF RATIONALISING ANTIBIOTIC PRACTICE ON THE PREVALENCE OF COLONISATION AND BLOOD STREAM INFECTION WITH HOSPITAL ACQUIRED ORGANISMS**
B. Palanisami (1); H. Ibrahim (1); C. Yoxall (1); T. Neal (2)
(1,2) Liverpool, United Kingdom

14:30-16:25

D. MARIA HALL

Parallel Session: Nutrition, metabolism and gastroenterology track II

Chairpersons: P. Roggero Milan, Italy - M. Domellöf Umea, Sweden

- 14:30-14:55 **Keynote Lecture: RISK OF AGGRESSIVE NUTRITION OF THE PRETERM**
S. Moltu Oslo, Norway
- 14:55-15:10 **INTRAVENOUS LIPID EMULSIONS CONTAINING FISH OIL (FO-LE) ARE NOT ASSOCIATED WITH IMPAIRED GROWTH IN PRETERM INFANTS (PI) ON PARENTERAL NUTRITION (PN)**
C. Biagetti (1); R. D'Ascenzo (1); M. P. Bellagamba (1); C. Spagnoli (1); M. Malatesta (1); P. E. Cogo (2); V. P. Carnielli (1)
(1) Ancona, Italy; (2) Rome, Italy
- 15:10-15:25 **REDUCED LIPID TOLERANCE AND DEPRESSED PLASMA ARACHIDONIC ACID WITH HIGH DOSES OF A LIPID EMULSION (LE) CONTAINING 15% FISH OIL (FO): A RANDOMIZED CLINICAL TRIAL**
R. D'Ascenzo (1); S. Savini, PhD (1), C. Biagetti (1); M. P. Bellagamba (1); P. Marchionni (2); A. Pompilio (1)
(1,2) Ancona, Italy; (3) Rome, Italy
- 15:25-15:40 **HYPERALIMENTATION USING CURRENT UK PARENTERAL AMINO ACID FORMULATIONS DOES NOT PREVENT LOW PLASMA ARGININE LEVELS IN VERY PRETERM INFANTS**
C. Morgan (1); P. McGowan (1); L. Burgess (1); K. Mayes (2); M. Tan (3)
(1,2,3) Liverpool, United Kingdom
- 15:40-15:55 **EFFECT OF CONCENTRATED AQUEOUS PARENTERAL NUTRITION SOLUTIONS ON CENTRAL VENOUS CATHETER COMPLICATIONS IN VERY PRETERM INFANTS: THE RANDOMISED CONTROLLED SCAMP NUTRITION STUDY**
T. Whitby; P. McGowan (1); C. Morgan (1)
Liverpool, United Kingdom

- 15:55-16:10 **BREAST FED HYPOGLYCAEMIC BABIES DO NOT HAVE HIGH BLOOD CONCENTRATIONS OF ALTERNATIVE FUELS IN THE FIRST 48 HOURS**
D. Harris (1,2); P. Weston (1); J. Harding (2)
 (1) *Hamilton, New Zeland*; (2) *Auckland, New Zeland*
- 16:10-16:25 **ABNORMAL GLUCOSE LEVELS AT DISCHARGE TIME IN VERY PREMATURE BABIES**
I. Iglesias-Platas; A. Pertierra-Cortada
Barcelona, Spain

14:30-16:25

INFANTE HALL

Parallel Session: Education and training

Chairpersons: H. Küster Göttingen, Germany - P. Garcia Lisbon, Portugal

- 14:30-14:55 **Keynote Lecture: PRACTICAL ONLINE ASSESSMENT - MAINTAINING VALIDITY AND RELIABILITY**
J. Winkley *London, United Kingdom*
- 14:55-15:10 **NEONATAL ONLINE TRAINING AND EDUCATION (NOTE) - WHERE ARE WE NOW?**
M. Hall (3); S. Smith (1); C. Peters (2)
 (1,2) *Southampton, United Kingdom*
- 15:10-15:25 **ASSESSMENT STRATEGY AND OUTCOMES FOR THE FIRST MODULE OF AN ONLINE EDUCATIONAL PROGRAMME IN NEONATOLOGY**
S. Smith; C. Peters (1); M. Hall (2)
 (1,2) *Southampton, United Kingdom*

- 15:25-15:40 **E-LEARNING & COMPETENCIES -WHAT'S IN IT FOR THE PAEDIATRIC TRAINEE**
P. Vallabhaneni; M. James-Ellison; D. Edwards
Swansea, United Kingdom
- 15:40-15:55 **HIGH FIDELITY SIMULATION TEAM TRAINING IMPROVES MEDICAL TEAM PERFORMANCE FOR NEONATAL RESUSCITATION IN THE DELIVERY ROOM. A CLUSTER RANDOMIZED CONTROLLED TRIAL (ARPEGES STUDY)**
S. Rubio Gurung (1); G. Putet (2); S. Touzet (3); A. Beissel (4); S. Blanc (4); H. Gauthier-Moulinier (4); I. Jordan (2); J. M. Labaune (2); A. Duclos (3); N. Amamra (3); C. Balandras (2); C. Dupont (1); R. C. Rudigoz (1); O. Claris (4); C. Colin (3); J. C. Picaud (2)
(1,2,3,4) Lyon, France
- 15:55-16:10 **NEST: NEONATAL EDUCATION SIMULATION TRAINING IN A TERTIARY NEONATAL UNIT**
A. Sharma (3); H. Fielder (1)
Southampton, United Kingdom
- 16:10-16:25 **TEACHING AND TRAINING ASSESSMENT OF PAEDIATRIC PATIENTS USING VIDEO BASED TEACHING MATERIAL**
M. Malon (1,3); D. Cortes (2,3); G. Greisen (1,3)
(1,2,3) Copenhagen, Denmark

14:30-16:30 **MIRAGAIA HALL**

Circulation Section Business Meeting - All are welcome, but only members can vote

16:30-17:00 *Coffee break*

17:00-18:00 **MIRAGAIA HALL**

ESPR Business Meeting - All are welcome, but only members can vote

Monday, October 14th, 2013

09:00-10:55

PORTO HALL

Parallel Session: Brain and development track

Chairpersons: L. Hellström-Westas Stockholm, Sweden - C. Roll Datteln, Germany

- 09:00-09:25 **Keynote Lecture: CEREBRAL OXIMETRY - WHICH NUMBERS TO BELIEVE?**
S. Hyttel-Sørensen , Copenhagen, Denmark
- 09:25-09:40 **THE PREDICTIVE VALUE OF EARLY AEEG PATTERNS IN PRETERM INFANTS FOR THE NEUROPSYCHOLOGICAL OUTCOME AT EARLY SCHOOL AGE**
*R. Middel; K. N. J. A. van Braeckel; H. J. ter Horst; A. F. Bos
Groningen, The Netherlands*
- 09:40-09:55 **AEEG AND FA OF THE PLIC IN VERY PRETERM INFANTS: THE POSSIBLE LINK BETWEEN FUNCTION AND STRUCTURE ON EARLY MRI**
*M. L. Tataranno (1); L. S. De Vries (2); K. J. Kersbergen (2); T. Alderliesten (2); F. Groenendaal (2); L. Van Rooij (2); A. Leemans (3); G. Buonocore (1); Mc. Toet (2); M. Benders (2)
(1) Siena, Italy; (2,3) Utrecht, The Netherlands*
- 09:55-10:10 **ASSOCIATION BETWEEN N-TERMINAL PRO BRAIN NATRIURETIC PEPTIDE AND CEREBRAL REGIONAL OXYGENATION IN NEWBORN INFANTS.**
*C. Binder; B. Urlsberger; B. Schwabegger; T. Freidl; G. Pichler
Graz, Austria*
- 10:10-10:25 **CEREBRAL REOXYGENATION AFTER BIRTH - COMPARING INVOS® AND FORE-SIGHTÂ„OXIMETERS**
*T. Witzner Hessel; S. Hyttel-Sørensen; G. Greisen
Copenhagen, Denmark*
- 10:25-10:40 **SEX-RELATED DIFFERENCES IN AEEG SIGNALS IN PRETERM INFANTS**
*E. Griesmaier (1); E. Santuari (1); M. Edlinger (2); V. Neubauer (1); M. Waltner-Romen (1); U. Kiechl-Kohlendorfer (1)
(1,2) Innsbruck, Austria*
- 10:40-10:55 **SEX DIFFERENCES IN OUTCOME AND ASSOCIATIONS WITH BRAIN DEVELOPMENT IN CHILDREN BORN EXTREMELY PRETERM**
*B. Skiöld (1,2); G. Alexandrou (1); N. Padilla (1); M. Blennow (2,3); B. Vollmer (1); U. Ådén (1,2)
(1,2,3) Stockholm, Sweden; (3) Southampton, United Kingdom - new location*

09:00-10:40

INFANTE HALL

Parallel Session: Pulmonology track

Chairpersons: M. Thio, Melbourne, Australia - U. Thome Leipzig, Germany

- 09:00-09:25 **Keynote Lecture: MEASURING LUNG FUNCTION IN THE DELIVERY ROOM**
A. te Pas Leiden, The Netherlands
- 09:25-09:40 **SUSTAINED LUNG INFLATION IN THE DELIVERY ROOM IN PRETERM INFANTS AT HIGH RISK OF RESPIRATORY DISTRESS SYNDROME (SLI STUDY): A RANDOMIZED CONTROLLED TRIAL**
G. Lista (1); C. Dani (2); S. Pratesi (2); L. Boni (3); F. Castoldi (1); M. Agosti (4); M. Bellettato (5); P. Biban (6); A. Del Vecchio (7); D. Gazzolo (8); C. Gizzi (9); R. Magaldi (10); H. Messner (11); F. Mosca (12); F. Scopesi (14); D. Trevisanuto (15); G. Vento (16) (1,12) Milan, Italy; (2,3) Florence, Italy; (4) Varese, Italy; (5) Vicenza, Italy; (6) Verona, Italy; (7) Bari, Italy; (8) Alessandria, Italy; (9,16) Rome, Italy; (10) Foggia, Italy; (11) Bolzano, Italy; (13) Bologna Italy; (14) Genova, Italy; (15) Padova, Italy
- 09:40-09:55 **RANDOMIZED CONTROLLED STUDY COMPARING A NEONATAL-SIZED I-GEL AND THE LARYNGEAL MASK AIRWAY IN A NEONATAL RESUSCITATION MANNEQUIN**
*S. Mizutani; S. Sato; K. Komatsu; T. Morishita; M. Ueda; T. Sugiura; Y. Ookubo; K. Mizuno
Shizuoka, Japan*
- 09:55-10:10 **RESPIRATORY RATE DURING THE FIRST 24 HOURS OF LIFE IN HEALTHY TERM INFANTS**
L. Tveiten (1); T. Markestad (1); T. Halvorsen (2); L. Diep (3) (1,2) Bergen, Norway; (3) Oslo, Norway
- 10:10-10:25 **TIDAL VOLUME MEASUREMENTS DURING MASK VENTILATION VERSUS ENDOTRACHEAL VENTILATION**
J. van Vonderen (1); V. B. Krabbe (1); M. L. Siew (2); F. J. Walther (1); S. B. Hooper (2); A. B. te Pas (1) (1) Leiden, The Netherlands; (2) Melbourne, Australia
- 10:25-10:40 **PRECISION AND ACCURACY OF NELLCOR AND MASIMO PULSE OXIMETERS AT LOW OXYGEN SATURATIONS IN A LAMB MODEL**
M. Thio (1); Ja. Dawson (1,2,3); P. Bastrenta (4); F. Caviglioli (4); T. Ong (5); M. Siew (5); S. B. Hooper (5); Pg. Davis (1,2,3) (1,2,3,5) Melbourne, Australia; (4) Milan, Italy;
- 10:40-10:55 **IS THE COLOUR OF AN INFANT'S TONGUE A USEFUL CLINICAL SIGN TO DETERMINE THE NEED TO PROVIDE SUPPLEMENTAL OXYGEN IN THE DELIVERY ROOM?**
M. Thio (1); A. Ekström (3); C. Frisk (3); Ja. Dawson (1,2,4); C. C. Roehr (1,5); Co. Kamlin (1,2); S. Donath (4); Pg. Davis (1,2,4) (1,2,4) Melbourne, Australia; (3) Linköping, Sweden; (5) Berlin, Germany

09:00-10:55

ARRABIDA HALL

Parallel Session: Circulation, oxygen transport and haematology track

Chairpersons: W. de Boode Nymegen, The Netherlands - H. Rabe Brighton, United Kingdom

- 09:00-09:25 **Keynote Lecture: TRANSITIONAL CIRCULATION - WHAT ARE THE IMPORTANT QUESTIONS?**
S. Noori Los Angeles, United States of America
- 09:25-09:40 **PLACENTAL TRANSFUSION IN PRETERM INFANTS: HOW LONG DOES THE TRANSFUSION LAST?**
N. Batey (1); J. Dorling (1); S. Oddie (2); B. Schoonakker (3); N. Grace (4); L. Duley (5) on behalf of the 'Very Preterm Birth Collaborative Group' (1,3,4,5) Nottingham, United Kingdom; (2) Bradford, United Kingdom
- 09:40-09:55 **DEFINING OPTIMAL BLOOD PRESSURE BASED ON A NOVEL CEREBROVASCULAR REGULATION INDEX IN PRETERM INFANTS**
C. Sortica Da Costa (1); S. Mitra (1); H. O'Reilly (1); M. Czosnyka (2); P. Smielewski (2); J. Pickard (2); T. Austin (1) (1,2) Cambridge, United Kingdom
- 09:55-10:10 **ASSOCIATION BETWEEN PERIPHERAL HYPOPERFUSION AND INTRAVENTRICULAR HEMORRHAGE IN VLBW INFANTS DURING THE FIRST 7 DAYS**
A. Ishiguro (1); K. Suzuki (2); H. Sobajima (1); M. Tamura (1) (1,2) Kawagoe, Japan
- 10:10-10:25 **PERIPHERAL REGIONAL OXYGEN SATURATION IN PRETERM INFANTS WITH AND WITHOUT RESPIRATORY SUPPORT DURING NEONATAL TRANSITION**
B. Schwabergger; G. Pichler; C. Binder; M. Pocivalnik; B. Urlesberger Graz, Austria
- 10:25-10:40 **POSTNATAL ADAPTATION OF PULMONARY CIRCULATION IN EXTREMELY LOW BIRTH WEIGHT INFANTS**
J. Purna (1); J. Miletin (1,2) (1) Dublin, Ireland; (2) Prague, Czech Republic
- 10:40-10:55 **EFFECT OF BLOOD TRANSFUSION ON CEREBRAL AND INTESTINAL BLOOD FLOW DURING THE FIRST WEEK OF LIFE IN EXTREME PRETERM INFANTS**
J. Banerjee (1,2); T. S. Leung (3); K. Illiadis (4); J. Morris (5); N. Aladangady (1,2,6) (1,2,3,4,5) London, United Kingdom; (6) Dharwad, India

09:00-11:00

DESPACHANTES HALL

Parallel Session: Late Breakers

Chairpersons: E. J. Molloy Dublin, Ireland

- 09:00-09:15 **INJECTABLE HYDROGELS FOR TREATMENT OF OBSTRUCTIVE NEPHROPATHY**
SPR Young Investigator Prize Winner: D. Soranno (1); H. D. Lu (2); H. M. Weber (2); J. A. Burdick (2) (1,2) Philadelphia, United States of America
- 09:15-09:30 **HIGHER (60%) VS. LOWER (30%) INITIAL OXYGEN INSPIRATORY FRACTION FOR VENTILATION OF PRETERM INFANTS IN THE DELIVERY ROOM: A RANDOMIZED, DOUBLE BLINDED, PILOT STUDY.**
M. Vento Torres(1); M. Aguar (1); M. Izquierdo (2); M. Brugada (1); M. Iriando (2); J. Escobar (1); E. Cubells (1); J. Kuligowski (1); A. Nuñez (1) (1) Valencia, Spain; (2) Barcelona, Spain
- 09:30-09:45 **NEUROLOGICAL INJURY AFTER NEONATAL CARDIAC SURGERY: A RANDOMIZED CONTROLLED TRIAL OF TWO PERFUSION TECHNIQUES**

S. Algra (1); N. Jansen (2); I. van der Tweel (3); A. Schouten (4); F. Groenendaal (5); M. Toet (5); W. van Oeveren (6); I. van Haastert (5); P. Schoof (1); L. de Vries (5); F. Haas (1)
(1-6) *Utrecht, the Netherlands*

09:45-10:00 **INCREASING AMINO ACID INTAKE DURING PARENTERAL NUTRITION (PN) AND PROTEIN INTAKE DURING ENTERAL NUTRITION (EN) IN EXTREMELY LOW BIRTH WEIGHT INFANTS (ELBWI) DO NOT IMPROVE SHORT-TERM GROWTH: A RANDOMIZED CLINICAL TRIAL**

M. P. Bellagamba (1), E. Carmenati, MD(1), R. D'Ascenzo (1), M. Malatesta (1), C. Spagnoli (1), C. Biagetti (1), I. Burattini (1), V.P. Carnielli (1,2)
(1,2) *Ancona, Italy*

10:00-10:15 **EARLY MACROPHAGE ACTIVATION STATUS IN PRETERM BABIES: ROLE IN BRONCHOPULMONARY DYSPLASIA DEVELOPMENT.**

A. Milan (1,2), D. Nardo (1), M. C. Sanzari (3), F. Tosato (3), V. Vanzo (1), D. Grisafi (1), A. Dedja (1), L. Chiandetti (1), P. Zaramella (1)
(1,3) *Padova, Italy*; (2) *London, United Kingdom*

10:15-10:30 **DOPAMINE IS ASSOCIATED WITH IMPAIRED CEREBRAL AUTOREGULATION IN PRETERM INFANTS**

V. Eriksen, G.H. Hahn, G. Greisen
Rigshospitalet, Denmark

10:30-10:45 **THE POLYUNSATURATED FATTY ACID PROFILES OF HIGH RISK VERSUS NORMAL PREGNANT WOMEN AT BOOKING**

E. Ogundipe (1), Y. Wang (2), I. Talbot (2), S.L. Chuang (1), M.R. Johnson (2), M.A. Crawford (2).
(1,2) *London, United Kingdom*

10:45-11:00 **CHANGES IN INTERLEUKIN-6 AND IMMUNOGLOBULIN-E LEVELS WITH CLINICAL IMPROVEMENT IN ASTHMATIC CHILDREN USING TRADITIONAL CHINESE ACUPUNCTURE**

N.H. Mohamed[1], I.A.E. Abdel Meguid[2], H.H. Shaaban[2] and I.E.M. Ahmed kamel[3]
(1-3) *Cairo, Egypt*

09:00-10:55

MIRAGAIA HALL

Parallel Session: Training in neonatology special session

(including meeting of program directors - all are welcome)

Chairpersons: M. Vanpee Stockholm, Sweden - M. Breindahl Rigshospitalet, Denmark

09:00-09:20 **THE EUROPEAN DATABASE ON SUBSPECIALIST TRAINING IN NEONATOLOGY - WHERE ARE WE TODAY IN EDUCATIONAL HARMONIZATION?**

M. Breindahl Rigshospitalet, Denmark

09:20-09:40 **NEONATAL ONLINE TRAINING IN EUROPE (NOTE) - THE ROLE OF WEB-BASED COURSES FOR TRAINING IN NEONATOLOGY.**

M. Hall, Southampton, United Kingdom

09:40-10:15 **VISIBLE LEARNING: ON CLINICAL ASSESSMENT**

J. Nordquist Stockholm, Sweden

10:15-10:45 **OPEN DISCUSSION WITH THOUGHTS FROM OTHER COUNTRIES/UNITS**

10:45-10:55 SUMMARY AND CONCLUSION. NEXT STEPS. ESTABLISHMENT OF “ENHANCE”

11:00-11:30 *Coffee break*

11:30-12:40

ARCHIVE HALL

Plenary Session: Early environmental effects

Chairpersons: M. T. Neto Lisbon, Portugal - M. Blennow Stockholm, Sweden

11:30-12:00 **INTESTINAL COLONIZATION AND BRAIN DEVELOPMENT**
S. Pettersson Stockholm, Sweden

12:00-12:30 **BCG VACCINATION OF NEWBORNS TO REDUCE CHILDHOOD MORBIDITY**
L. Graff Stensballe Hillerød, Denmark

12:30-12:40 **CLOSING WORDS**

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