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A.M. Sánchez Torres; H. Peinado; R. Madero; M.D. Elorza (Spain)

ID 803  CHYLOTHORAX: CASE SERIES OF 20 YEARS
M. Rosário; A. Reis e Melo; S. Pissarra; G. Rocha; H. Guimarães (Portugal)
ID 804  NEONATAL CHYLOTHORAX: 20 YEARS EXPERIENCE IN A TERTIARY NEONATAL UNIT  
H. Sharp; C. Kortsalioudaki; M. Sellwood; G. Kendall (United Kingdom)

ID 832  PREDICTIVE AND RISK FACTORS FOR EARLY NON-INVASIVE RESPIRATORY SUPPORT FAILURE IN A COHORT OF PRETERM INFANTS: A RETROSPECTIVE STUDY  
I. Bresesti; F. Viaroli; F. Castoldi; F. Scopesi; B. Roviglione; L. Ramenghi; F. Cerritelli; G. Lista (Italy)

ID 854  HOW SAFE IS NASAL CANNULAE OXYGEN THERAPY DURING NEONATAL TRANSPORT?  
A. Brunton; J. O'Shea; A. Jackson (United Kingdom)

ID 855  THE INCIDENCE OF RESPIRATORY MORBIDITY IN LATE PRETERM INFANT  
G. Olariu; S. Olariu; M. Tunescu (Romania)

ID 860  MATERNAL SMOKING IN PREGNANCY INCREASES THE DURATION OF HOME OXYGEN THERAPY IN INFANTS WITH BRONCHOPULMONARY DYSPLASIA  
A. Prayle; A. Davies; A. Silverman; S. Spencer; M. Hurley; J. Bhatt (United Kingdom)

ID 862  CONTROLLED VENTILATION WITH A LARYNGEAL MASK AIRWAY FOR 48 HOURS IN A NEWBORN WITH TRACHEAL AGENESIS  
R.H. Mupanemunda; R.F. Danha (United Kingdom)

ID 863  ASSESSMENT OF A NEONATAL INTUBATION SCORING INSTRUMENT: A PROSPECTIVE OBSERVATIONAL STUDY  
R. Bouwmeester; M. Binkhorst; N. Yamada; R. Geurtzen; A. van Heijst; L. Halamek; M. Hogeveen (United States)

**Perinatal Pharmacology and Anesthesia**  
**Chairs:** Sinno Simons (The Netherlands)

ID 027  UNDERSTANDING THE RELATIONSHIP BETWEEN DOPAMINE CONCENTRATION AND BLOOD PRESSURE IN NEONATES: INCUBATORS VERSUS COT  
K. Kirupakaran; H. Rabe; B. Patel (United Kingdom)

ID 104  EFFECT OF CHRONIC EXPOSURE OF LOSARTAN IN MOUSE PRENATAL ALCOHOL EXPOSURE (PAE) MODEL  
A. Takyi (United Kingdom)
ID 187  EFFECT OF POSTNATAL CORTICOSTEROID ON BROWN ADIPOSE TISSUE THERMOGENESIS IN NEONATAL RAT
Y-S. Chang; C.H. Lin; Y.S. Tsai (Taiwan)

ID 492  VENO-ARTERIAL EXTRACORPOREAL MEMBRANE OXYGENATION IMPAIRS ACETYLCHOLINE-INDUCED CONTRACTION IN NEONATAL PORCINE CORONARY ARTERIES
L. Provitera 1; G. Cavallaro 1; G. Raffaeli 1; I. Amodeo 1; S. Gulden 1; G. Zuanetti 1; V. Gentilino 2; F. Macchini 2; E. Villamor 1; F. Mosca 1
(1. Italy; 2. The Netherlands)

ID 875  POINT-OF-CARE ANALYSIS OF BETA-HYDROXYBUTYRATE CONCENTRATIONS IN BABIES IS A USEFUL ALTERNATIVE TO LABORATORY TESTING
D.L. Harris; P.J. Weston; J.E. Harding (New Zealand)
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<th>Topic</th>
<th>Author(s)</th>
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<tr>
<td>09:00 – 11:00</td>
<td>PARALLEL SESSION 1 (BRAIN 1)</td>
<td>DARSENA ROOM</td>
<td>NEURODEVELOPMENTAL OUTCOME AND CONGENITAL HEART DISEASE</td>
<td>Chairs: Bea Latal (Switzerland); Nathalie Claessens (The Netherlands)</td>
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<tr>
<td>09:00 – 09:20</td>
<td>Brain health in neonates with CHD: timing is everything</td>
<td>DARSENA ROOM</td>
<td>Brain health in neonates with CHD: timing is everything</td>
<td>Steven Miller (Canada)</td>
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<tr>
<td>09:20 – 09:40</td>
<td>Neurodevelopmental outcome and congenital heart disease</td>
<td>DARSENA ROOM</td>
<td>Neurodevelopmental outcome and congenital heart disease</td>
<td>Bea Latal (Switzerland)</td>
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<tr>
<td>09:40 – 10:10</td>
<td>Neonatal surgery and brain injury</td>
<td>DARSENA ROOM</td>
<td>Neonatal surgery and brain injury</td>
<td>Petra Lemmers (The Netherlands)</td>
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<tr>
<td>10:10 – 10:25</td>
<td>Cognitive stability in children with congenital heart disease</td>
<td>DARSENA ROOM</td>
<td>Cognitive stability in children with congenital heart disease</td>
<td>N. Naef; C. Schaefer; V. Rousson; R. Liamlahi; S. Polentarutti; I. Beck; V. Bernet; D. Hitendu; W. Knirsch; B. Latal (Switzerland)</td>
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<tr>
<td>10:25 – 10:40</td>
<td>Congenital heart defects and academic performance in a nationwide cohort of 458,318 Danish children</td>
<td>DARSENA ROOM</td>
<td>Congenital heart defects and academic performance in a nationwide cohort of 458,318 Danish children</td>
<td>N.B. Matthiesen; S.H. Larsen; T.B. Henriksen; C.C. Bach; J.R. Østergaard; V. Hjortdal (Denmark)</td>
</tr>
<tr>
<td>09:00 – 11:00</td>
<td>PARALLEL SESSION 2 (RESUSCITATION)</td>
<td>VENEZIA ROOM</td>
<td>New techniques for optimising newborn resuscitation</td>
<td>Chairs: Hans Fuchs (Germany); Claus Klingenberg (Norway)</td>
</tr>
<tr>
<td>09:00 - 09:20</td>
<td>New techniques for optimising newborn resuscitation</td>
<td>VENEZIA ROOM</td>
<td>New techniques for optimising newborn resuscitation</td>
<td>Peter Davis (Australia)</td>
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<tr>
<td>09:20 - 09:40</td>
<td>Unravelling the physiology of haemodynamic transition at birth</td>
<td>VENEZIA ROOM</td>
<td>Unravelling the physiology of haemodynamic transition at birth</td>
<td>Stuart Hooper (Australia)</td>
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<tr>
<td>09:40 - 09:55</td>
<td>Delayed cord clamping during resuscitation - a randomized trial</td>
<td>VENEZIA ROOM</td>
<td>Delayed cord clamping during resuscitation - a randomized trial</td>
<td>O. Andersson; A. KC; N. Rana; U. Ewald; M. Målqvist (Sweden)</td>
</tr>
</tbody>
</table>
09:55 - 10:10  Sustained versus standard inflations during neonatal resuscitation to reduce mortality and improve respiratory outcomes: a systematic review and meta-analysis  
M. Bruschettini 1; C.P.F. O'Donnell 2; P.G. Davis 3; C.J. Morley 4; L. Moja 4; M.G. Calevo 4; S. Zappettini 4  
(1. Sweden; 2. Ireland; 3. Australia; 4. Italy)

10:10 - 10:25  nCPAP pressure at initiation: is higher pressure better?  
S. Bhisikar; S. Goel; S. Manerkar; J. Mondkar (India)

10:25 - 10:40  Bradyprem study: is heart rate the most vital of all vital signs during preterm resuscitation?  
V. Kapadia 1; J. Oei 2; O.D. Saugstad 3; Y. Rabi 4; N. Finer 1; I. Wright 2; W. Tarnow-Mordi 2; W. Rich 1; D. Rook 5; J. Smyth 2; K. Lui 2; S. Brown 1; M. Vento Torres 6  

10:40 - 10:55  Predicting developmental outcomes in extremely low birth weight infants: a statistical learning approach  
C. Keogh; B. Arthurs; S. Atikah; P. Carr; N. Grayson; E. Horgan; E. Moran; S. O’Regan; E.J. Molloy (Ireland)

09.00 – 11.00 PARALLEL SESSION 3 (EFCNI 1) | ROMA ROOM  
PAIN REDUCTION – DOES A PARTNERSHIP WITH PARENTS REDUCE PAIN IN NEWBORNS?  
Chairs: Mats Eriksson (Sweden); Agnes van den Hoogen (The Netherlands)

09:00 - 09:30  The power of parents to reduce newborn pain  
Marsha Campbell-Yeo (Canada)

09:30 - 10:00  Facilitators and barriers for parents’ involvement in pain management  
Anna Axelin (Finland)

10:00 - 10:30  Working with parents to build better pain management for newborn infants  
Mats Eriksson (Sweden)

10:30 - 10:45  A user centered design approach to evaluate a validated infant pain measure e-learning module  
B. Stevens; S. Gibbins; M. Campbell-Yeo; C. McNair; J. Yamada; K. Dionne; Sarah Dinsdale; C. Johnston; A. Taddio (Canada)
10:45 - 11:00 Valid pain assessment in extreme prematures: a long way to go?  
N. Meesters; S.H.P. Simons; J. van Rosmalen; L. Holsti; Irwin Reiss; M. van Dijk

09.00 – 11.00 PARALLEL SESSION 4 | FIRENZE ROOM
WHAT CAN WE LEARN FROM NEONATAL NETWORKS

Chairs: Neena Modi (United Kingdom); Dominique Haumont (Belgium)

09:00 – 09:10 eNewborn, the journey thus far
Dominique Haumont (Belgium)

09:10 – 09:20 Population data sharing: the UK experience
Neena Modi (United Kingdom)

09:20 – 09:50 Big data opportunities for European Neonatology
Mark Turner (United Kingdom); Lisa Lehtonen (Finland); Ola D. Saugstad (Norway); Maximo Vento Torres (Spain); Charles C. Roehr (United Kingdom)

09:40 - 09:51 Predicting bleeding risk in thrombocytopenic preterm neonates: the MONET study
S.F. Fustolo-Gunnink; K. Fijnvandraat; I.M. Ree; C. Caram-Deelder; P. Andriessen; E.J. d’Haens; C.V. Hulzebos; W. Onland; A.A. Kroon; D.C. Vijdbrief; H. Putter; E. Lopriore; J.G. van der Bom (Netherlands)

09:51 - 10:02 A pilot study: implementing a structured amplitude integrated electroencephalography (AEEG) education programme in an irish neonatal intensive care unit (NICU) setting
A. Jenkinson; M. Boyle; D. Sweetman (Ireland)

10:02 - 10:13 Fetal heart defects and disrupted cerebral growth: a cohort study in 63,371 fetuses
M.H. Lauridsen; O.B. Petersen; E.M. Vestergaard; N. Uldbjerg; T.B. Henriksen; J.R. Østergaard; N.B. Matthiesen; V.E. Hjortdal (Denmark)

10:13 - 10:24 Characterisation and burden of 1-year chronic respiratory morbidity among extremely preterm infants: a retrospective claims analysis
M. Mowitz; A. Mangili; L. von Krusenstiern; R. Ayyagari; W. Gao; J. Wang; J. Zhao; S. Sarda (United States)
STOP (Septum Trauma Occurrence Prevention) in babies on nasal CPAP-A quality improvement project  
R. McCoy; K. Singh; V. Kairamkonda (United Kingdom)

Predictive value of early EEG for seizures during hypothermia in neonates with hypoxic ischemic encephalopathy  
M.C. Cornet; A. Pasupuleti; A. Fang; H.C. Glass; M.R. Cilio (United States)

09.00 – 11.00 PARALLEL SESSION 5 (NUTRITION 1) | SORRENTO ROOM  
NUTRITION AND THE BRAIN  
Chairs: Colin Morgan (United Kingdom); Elsa Kermorvant (France)

09:00 - 09:20 Neuroimaging, a new tool for investigating the effects of early diet on cognitive and brain development  
Helle Pfeiffer (Norway)

09:20 - 09:40 Improving neurological outcomes of preterm infant: update on the role of early nutrition  
Sissel Moltu (Norway)

09:40 - 09:55 Early parenteral use of a lipid emulsion containing fish oil results in improved longitudinal growth in extremely preterm infants – a randomized controlled trial  
S. Najm; C. Löfqvist; G. Hellgren; E. Engström; A.K. Nilsson; M.X. Andersson; K. Sävman; A. Hellström (Sweden)

09:55 - 10:10 Growth and body composition up to 4 months of age in preterm infants and term controls (PeaPod study)  
A. Chmielewska; A. Farooqi; M. Domellöf; I. Ohlund (Sweden)

10:10 - 10:25 Personalised prediction of weight changes in the first week of life  
S. Kasser; M. Wilbaux; J. Gromann; I. Mancino; T. Coscia; O. Lapaire; J.N. van den Anker; M. Pfister; S. Wellmann (Switzerland)

10:25 - 10:40 Z-score differences based on cross-sectional growth charts do not reflect weight gain in preterm infants: an adjusted Z-score for longitudinal assessment of growth  
N. Rochow 1; E. Landau-Crangel 1; A. Alkhoraidly 2; A. Bhatia 1; G. Fusch 1; P. Muppidi 1; W. Göpel 3; C. Fusch 1, 3  
(1. Canada; 2. Saudi Arabia; 3. Germany)
<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
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<tr>
<td>10:40 - 10:55</td>
<td>The maternal-fetal gradient of free and esterified phytosterols at the time of delivery in humans A. Correani; S. Visentin; E. Cosmi; E. Ponchia; S. D’Aronco; M. Simonato; L. Vedovelli; P. Cogo; V.P. Carnielli (Italy)</td>
</tr>
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09.00 – 11.00 PARALLEL SESSION 6 (CIRCULATION 1) | LECCE ROOM
WHO OWNS THE PLACENTAL BLOOD?
Chairs: Eirik Nestaas (Norway); Colm Breathnach (Ireland)

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<th>Session Title</th>
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<tr>
<td>09:00 - 09:25</td>
<td>The case for the term infant</td>
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<tr>
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<td>Ola Andersson (Sweden)</td>
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<td>09:25 - 09:50</td>
<td>The case for the preterm infant</td>
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<td>Heike Rabe (United Kingdom)</td>
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<td>09:50 - 10:15</td>
<td>Harvesting placental blood: what is it for?</td>
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<td>Anders Fasth (Sweden)</td>
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<td>10:15 - 10:30</td>
<td>Delayed cord clamping in preterm infants with suspected intrauterine growth restriction</td>
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<td>J. Mercer; M. Wang; J. Padbury (United States)</td>
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<tr>
<td>10:30 - 10:45</td>
<td>The effects of delayed cord clamping on 12-months brain myelin content: a randomized controlled trial</td>
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<td>D. Erickson-Owens; J. Mercer; S. Deoni 3; A. Parker 2; J. Collins 2; J. Padbury (United States)</td>
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<td>10:45 - 11:00</td>
<td>The use of speckle tracking echocardiography to assess myocardial performance in monochorionic diamniotic twins with and without twin to twin transfusion syndrome</td>
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<td>C.R. Breatnach; A.T. James; F. Malone; N. McCallion; O. Franklin; A. EL-Khuffash (Ireland)</td>
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11:00 - 11:30 COFFEE BREAK
10:00 - 13:00 **Respiratory Support in Neonates: How to ventilate term and preterm infants – Insights into new possibilities and neonatal ventilation strategies | MILANO ROOM**
Industry Supported session - please see page 125

10:10 - 10:30 **Invasive closed loop ventilation**
Andreas W. Flemmer (Germany)

10:30 - 11:00 **Basic principles of high frequency ventilation (HFOV)**
Roland Hentschel (Germany)

11:00 - 11:15 **New possibilities in non-invasive closed loop ventilation**
Andreas W. Flemmer (Germany)

11:00 - 11:15 **New insights into HFOV**
Roland Hentschel (Germany)

11:40 - 13:20 **Hands on closed loop ventilation / HFOV in two groups**
Andreas W. Flemmer (Germany); Roland Henschel (Germany)

11:30 - 12:30 **PLENARY SESSION 2 | DARSENA ROOM**
**REGENERATIVE MEDICINE**
Chairs: Pierre Gressens (France); Petra Hüppi (Switzerland)

11:30 - 12:00 **Stem cell therapy for neonatal disorders; Prospects and challenges**
Won Soon Park (South Korea)

12:00 - 12:30 **Stem cells for neonatal disorders**
Paolo De Coppi (United Kingdom)

12:30 - 13:30 **LUNCH BREAK**

12:30 - 13:30 **Early optimal nutrition in the NICU**
**A meet-the-expert event | SORRENTO ROOM**
Industry Supported session - please see page 125
(Lunch will be provided)
Chair: Mary Brown-Hise (United States); Boubou Hallberg (Sweden)

12:30 - 12:35 **Welcome & conference objectives**
Mary Brown-Hise (United States)

12:35 - 13:15 **Early optimal nutrition in the NICU**
Boubou Hallberg (Sweden)

13:15 - 13:25 **Q&A**

13:25 - 13:30 **Concluding remarks**
Mary Brown-Hise (United States)
12:30 - 13:30 Strategies and modern technologies of continuous noninvasive blood gas monitoring | LECCE ROOM
Industry Supported session - please see page 125
(Lunch will be provided)

12:30 - 13:00 Intraoperative use of transcutaneous CO2 measuring in paediatric and neonatal anaesthesia
Michael Brackhahn (Germany)

13:00 - 13:30 Validation of novel combined transcutaneous sensor - virtually drift free tcPO2 sensing technology
Irwin Reiss (The Netherlands)

13:30 - 15:00 Interactive Clinical Session: Are Babies with Serious Hypoxemic Conditions Still Being Missed?
| FIRENZE ROOM
Industry Supported session - please see page 125
Interactive session with audience participation
Chair: Augusto Sola (United States)

Early detection of neonatal sepsis and other hypoxemic conditions
Andrew Ewer (United Kingdom)

Recent recommendations from European and Spanish societies for pulse oximetry screening for critical congenital heart defects
Maximo Vento Torres (Spain)

The controversies in screening for critical congenital heart defects
Thorsten Orlikowsky (Germany)

Perfusion index: can it be a predictive monitoring tool in neonatal illnesses?
Augusto Sola (United States)
13:30 - 13:35  Less invasive administration (LISA) not only improves mortality and morbidity but also neurodevelopmental outcome of preterm infants  
K. Klebermass-Schrehof; A. Grill; M. Hayde; N. Haiden; A. Flunt; R. Fuiko; S. Brandstetter; A. Berger (Austria)

13:35 - 13:40  Surfactant administration and non-invasive ventilation in surfactant deficiency newborn piglets  
C. Rey-Santano 1; V. Mielgo 1; M. Gomez-Solaetxe 1; F. Ricci 2; F. Bianco 2; F. Salomone 2; B. Loureiro 1; J. López-de-Heredia 1  
(1. Spain; 2. Italy)

13:40 - 13:45  Characterization of poractant alfa and budesonide extemporaneous combination for safe and effective intratracheal administration  
F. Salomone; F. Ricci; C. Catozzi; F. Ravanetti; F. D’Aló; N. Machidani; E. Sgarbi; V. Di Lallo; F. Saccani; M. Pertile; A. Cacchioli; P. Puccini; S. Catinella; G. Villetti; M. Civelli; F. Amadei; G. Aquino; F.F. Stellari; B. Pioselli (Italy)

13:45 - 13:50  The effect of minimally invasive surfactant therapy on diaphragmatic activity  
C.G. de Waal; G.J. Hutten; F.H.C. de Jongh; A.H.L.C. van Kaam (The Netherlands)

H. Boix; D. Elorza; S. Rite; L. Arruza; C. Fernández; I. Serrano; I. Baquedano; A. Sanchez; E. Ferreirra; V. Martinez; P. Fernandez; R. Gonzalez (Spain)

13:55 - 14:00  Respiratory distress syndrome: genetic polymorphism of genes encoding surfactant protein B and xenobiotic biotransformation enzymes  
G. Shishko; M. Artsiusheuskaya; A. Sukharava; E. Mikhalenka; K. Hamolko; I. Valentsiukevich; A. Kilchevski (Belarus)
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<th>Presentation Title</th>
<th>Authors</th>
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<tr>
<td>14:00 - 14:05</td>
<td>Effects of surfactant replacement therapy with porcine vs. bovine preparations on cerebral oxygenation and bioelectric activity of preterm infants</td>
<td>T. Szczapa; L. Karpinski; H. Szczapa-Krenz; B. Witoslaw; A. Adamczak; J. Moczko; I. Miechowicz; P. Niedbalski; J. Gadzinowski; J. Mazela (Poland)</td>
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<tr>
<td>14:05 - 14:10</td>
<td>Nasal high-flow therapy (NHFT) as primary respiratory support for preterm infants without use of nasal continuous positive airways pressure (NCPAP)</td>
<td>S. Zivanovic 1; A. Scrivens 1; R. Panza 2; P. Reynolds 1; K. Ives 1; N. Laforgia 2; C.C. Roehr 1 (1. United Kingdom; 2. Italy)</td>
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<td>14:10 - 14:15</td>
<td>Risk factors associated with CPAP failure in very low birth weight infants</td>
<td>D. Dobryanskyv; O. Borysiuk; L. Sekretar; S.Yaremchuk; S. Vereshchak; Z. Salabay (Ukraine)</td>
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<tr>
<td>14:15 - 14:20</td>
<td>Weaning premature infants from nasal continuous positive airway pressure – current practice in Germany</td>
<td>A. Kidszun; C. Arnold; J. Winter; C. Whybra-Trümpler; E. Mildenberger (Germany)</td>
</tr>
<tr>
<td>14:20 - 14:25</td>
<td>Non-invasive high frequency oscillatory ventilation in preterm infants: a randomised controlled crossover trial</td>
<td>D. Klotz; H. Schneider; S. Schumann; B. Mayer; H. Fuchs (Germany)</td>
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<tr>
<td>14:25 - 14:30</td>
<td>Nasal high flow support during neonatal retrieval in Victoria, Australia</td>
<td>V. Abraham; C. Roberts; B. Manley; L. Owen; M. Stewart; P. Davis (Australia)</td>
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<tr>
<td>14:30 - 14:35</td>
<td>The Comparison of heated humidified high-flow nasal cannula versus nasal continuous positive airway pressure for respiratory support in NICU</td>
<td>K. Y. Chao; C. E. Chiang; Y. L. Chen; L.Y. Tsai; Y. H. Chien; S. C. Mu; (Taiwan)</td>
</tr>
<tr>
<td>14:35 - 14:40</td>
<td>Which nasal CPAP system to use in preterm newborns with respiratory distress syndrome</td>
<td>E. Jazexhiiu-Postoli; E. Vevecka; E. Petrela; D. Bujari; E. Rapushi (Albania)</td>
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14:40 - 14:45  Nasal trauma in preterm infants receiving binasal non-invasive respiratory support: a systematic review  
D. Imbulana; B. Manley; P. Davis; L. Owen (Australia)

14:45 - 14:50  High frequency oscillatory ventilation combined with volume guarantee using very low tidal volumes to prevent lung damage in immature newborns  
N. González-Pacheco; A. Rodríguez-Sánchez de la Blanca; C. Ramos-Navarro; M. Velilla-Aparicio; I. Marsinyach-Ross; I. Pescador-Chamorro; M. Sánchez-Luna (Spain)

14:50 - 14:55  Continuous positive airway pressure is not well transmitted during less invasive surfactant administration: a physiologic study  
G. Jourdain 1; M. De Tersant 1; V. Dell’Orto 1; G. Conti 2; D. De Luca 1  
(1. France; 2. Italy)

14:55 - 15:00  The impact of lung ultrasound in the reduction of radiation exposure in NICU  
C. Barone; L. Balestriere; A. Faiella; G. Montesano; B. Orsini; I. Perrotta; D. Riccardi; V. Roseto; I. Rotta; F. Toro; M. Napolitano

13:30 – 15:00  POSTER SESSION 2 (NICU + PARENTS) | VENEZIA ROOM  
Chairs: Agnes van den Hoogen (The Netherlands); Jos Latour (United Kingdom)

13:30 - 13:35  Clinical decision support systems for neonatal care - an updated Cochrane systematic review  
K. Tan 1; P. Dear 2; S. Newell 2  
(1. Australia; 2. United Kingdom)

13:35 - 13:40  Skin-to-skin contact in extremely preterm newborns  
H. Pavlyshyn; I. Sarapuk; O. Klishch (Ukraine)

13:40 - 13:45  Prospective surveillance of risk factors for Intracranial hemorrhage in preterm infants decreases the rate of intracranial hemorrhage and improves neurodevelopmental outcome at the age of 24 months  
L. Schiefele 1; F. Reister 1; J. Essers 1; B. Mayer 1; M. Schmid 2; H. Hummler 1, 5  
(1. Germany; 2. Switzerland; 3. Qatar)

13:45 - 13:50  Thermoregulation and physiological stabilization by skin-to-skincontact at birth in preterm infants  
A. Linnér; B. Sundberg; B. Westrup; B. Skiodl (Sweden)
13:50 - 13:55 Is breast milk odor appropriate to manage pain in preterm neonates?
G. De Clifford-Faugère; A. Lavallée; M. Aita (Canada)

13:55 - 14:00 Kangaroo families - the meaning of sound environment for the development of prematurely born infants
K. Kostilainen 1; K. Mikkola 1; E. Partanen 1; S. Pakarinen 1; M. Huotilainen 1, 2; V. Fellman 1
(1. Finland; 2. Sweden)

14:00 - 14:05 Parents’ experiences of active participation during the ward round in a neonatal intensive care unit
L. Börjesson; T. Stendahl (Sweden)

14:05 - 14:10 The role of paediatric physio-/occupational therapists in parental empowerment at the NICU
M.J.C. Eijsermans; M.J. Jongmans; C.H. Verhage; F. Jenken; J. van der Net; M.J.N.L. Benders; A. van den Hoogen (The Netherlands)

14:10 - 14:15 Pathways to emotional closeness in neonatal units – a cross-national qualitative study
R. Flacking 1; G. Thomson 2; A. Axelin 3
(1. Sweden; 2. United Kingdom; 3. Finland)

14:15 - 14:20 Employing a nutrition nurse in neonatal intensive care unit improved nutrition and growth outcomes in preterm neonates
O. Aydemir; A. Calik Saglik; Z Sekili; N. Tekin (Turkey)

14:20 - 14:25 Name bands in preterm infants - what is the nation doing?
A. Doerr; A. Glover; F. Emery (United Kingdom)

14:25 - 14:30 Reducing unnecessary blood sampling in neonatal unit - a quality improvement initiative
H. McDermott; A. Smith; P. Nath (United Kingdom)

14:30 - 14:35 NiSfIM: Northern Ireland simulation and human factor training
R. Little; C. Anderson; M. O'Dowd; R.Tubman (Ireland)

14:35 - 14:40 Current parent feedback response rates and feedback methods in neonatal transport service across the UK
P. Bhat; D. Winderbank-Scott; C. Garland; L. Watts; C. Leach; A. Frame; G. Bullimore; C. Lawn (United Kingdom)
### 14:40 – 14:45
**Satisfaction level of parents of NICU services provided and connection with their educational attainment**

*E. Papamichael; E. Polycarpou; M. Talias (Cyprus)*

### 14:45 – 14:50
**Delivering evidence-based information at the point of care**

*A. Dunlop; L. Osborne; P. Satodia (United Kingdom)*

### 14:50 – 14:55
**Increased breast milk use reduced severity of necrotizing enterocolitis in a quality improvement project in a Chinese NICU**

*Q. Zhou 1; S.K. Lee 2; X.J. Hu 1; S.J. Lee 1; S.Y. Jiang 1; Y. Cao 1 (1. China; 2. Canada)*

### 14:55 – 15:00
**Online parent satisfaction survey is representative despite low response**

*J. de Boer; M. van Dijk (The Netherlands)*

### 13:30 – 15:00
**POSTER SESSION 3 | ROMA ROOM**

(CARDIOLOGY + MICROCIRCULATION 1)

**Chairs:** Afif El-Khuffash (Ireland); Eirik Nestaas (Norway)

#### 13:30 – 13:35
**Ibuprofen and indomethacin differentially regulate VEGF and its receptors in ductus arteriosus endothelial cells**

*H. Sallmon; S. Akanbi; S.C. Weber; A. Gratopp; C. Rheinländer; P. Koehne (Germany)*

#### 13:35 – 13:40
**Effectiveness of indomethacin, ibuprofen and paracetamol for patent ductus arteriosus (PDA) in preterm infants: a network meta-analysis**

*S. Mitra; I.D. Florez; M.E. Tamayo; Y. Zhang; B. Sadeghirad; A.M. Zea; L. Mbuagbaw; T. Vanniyasingam; L. Thabane (Canada)*

#### 13:40 – 13:45
**Evaluation of the relationship patent ductus arteriosus and the platelet mass index in preterm infants**

*M. Kara; İ. Caner; K.Ş. Tekgündüz; İ. Polat; H. Keskin (Turkey)*

#### 13:45 – 13:50
**Treatment for patent ductus arteriosus in preterm infants - less is more?**

*T. Hundscheid; W. de Boode (The Netherlands)*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:50 - 13:55</td>
<td>Hemodynamic changes related to ductus closure in preterms</td>
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<tr>
<td></td>
<td>A. Rodríguez Sánchez de la Blanca; N. González Pacheco; C. Ramos Navarro; M. Arriada Redondo; N. Navarro Patiño; E. Sanz López; M. Sánchez Luna (Spain)</td>
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<tr>
<td>13:55 - 14:00</td>
<td>A clinical scoring system as a diagnostic tool for hemodynamically significant patent ductus arteriosus in preterm infants</td>
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<td>N. Okur; H.G. Kanmaz; M. Buyuktiryaki; G. Kadioglu Simsek; F.E. Canpolat; N. Uras; S.S. Oğuz (Turkey)</td>
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<td>14:00 - 14:05</td>
<td>New ibuprofen dosage regimen for patent ductus arteriosus following simulations based on pharmacokinetic-pharmacodynamic evidence</td>
</tr>
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<td>R. Flint 1; R. ter Heine 1; E. Spaans 1; D. Burger 1; J. de Klerk 1; K. Allegaert 2; C. Knibbe 1; S.H.P. Simons 1</td>
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<td>(1. The Netherlands; 2. Belgium)</td>
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<td>14:05 - 14:10</td>
<td>Association between size of patent ductus arteriosus and co-morbidities</td>
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<td>S. Bellis; Y. Singh (United Kingdom)</td>
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<tr>
<td>14:10 - 14:15</td>
<td>Myocardial deformation and rotational mechanics in infants with down syndrome in the early neonatal period</td>
</tr>
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<td>C.R. Breatnach 1; A. Smith 1; P.T. Levy 2; N. McCallion 1; O. Franklin 1; A. EL-Khuffash 1</td>
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<td>(1. Ireland; 2. United States)</td>
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<tr>
<td>14:15 - 14:20</td>
<td>Left and right myocardial performance assessment in infants born to mothers with gestational hypertension</td>
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<td>C.R. Breatnach; C. Monteith; L. McSweeney; E.C. Tully; F.D. Malone; E. Kent; A. Doherty; O. Franklin; A. EL-Khuffash (Ireland)</td>
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<td>14:20 - 14:25</td>
<td>Left ventricular function in preterm neonates assessment of LV rotational mechanics from 32 weeks post-menstrual age to one year</td>
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<td>G. Lehman; M.D. Patel; P.T. Levy; S. Choudhry; T.J. Sekarski; A. Hamvas; G.K. Singh (United States)</td>
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<tr>
<td>14:25 - 14:30</td>
<td>Predictions of cardiorespiratory morbidity after discharge from the NICU in the extreme preterm infant without chronic lung disease</td>
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<td>P.T. Levy; M.D. Patel; S. Choudhry; A.A. Sanchez; M. Wallendorff; G. Hongjie; M.R. Holland; B. Warner; J. Kemp; T. Ferkol; A. Hamvas; G.K. Singh (United States)</td>
</tr>
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</table>
14:30 - 14:35 Neonatalogist-performed echography in neonatology: a Tunisian experience
F.Z. Chioukh; K. Ben Ameur; T. Khemis; H. Ajmi; A. Ben Salem; S. Hamdi; H. Ben Hamida; K. Monastiri (Tunisia)

14:35 - 14:40 Non-invasive cardiac output monitoring by electrical cardiometry in hemodynamically stable neonate infants
J. Shin; E.H. Lee; B.M. Choi (Korea)

14:40 - 14:45 Comparison of two techniques of superior vena cava measurement in preterm neonates with birth weight less than 1250g
J. Semberova 1, 2; Z. Stranak 2; J. Miletin 1, 2
(1. Ireland; 2. Czech Republic)

14:45 - 14:50 Gut and cerebral oxygenation from birth to six weeks of life in preterm infants: what is normal?
C.N. Howarth; T. Leung; J. Banerjee; J. Morris; N. Aladangady (United Kingdom)

14:50 - 14:55 Precision assessment of a novel cerebral tissue oximeter and effects of fluctuations in systemic and cerebral physiological parameters
S. Kleiser; D. Ostojic; N. Nasseri; H. Isler; H.U. Bucher; D. Bassler; M. Wolf; F. Scholkmann; T. Karen (Switzerland)

13:30 – 15:00 POSTER SESSION 4 (GI + NEC + BILIRUBIN)
|SORRENTO ROOM

Chairs: Jon Dorling (United Kingdom); Elsa Kermovant (France)

13:30 - 13:35 The open abdomen: a challenge for neonatologists and neonatal surgeons. The Karolinska’s experience
M. Bartocci; E. Palleri; A. Svenningsson; T. Wester (Sweden)

13:35 - 13:40 Anogenital stimulation in rats does not increase gastric emptying
C.H. Faleiros Ferreira 1; J. Belik 2
(1. Brazil; 2. Canada)

13:40 - 13:45 Routine probiotics for preterm neonates: experience in a tertiary Australian neonatal unit sive care
G. Deshpande; V. Shingde; L. Downe; J. Xiao; M. Taber (Australia)
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>13:45 - 13:50</td>
<td>Outcomes of extremely low birth weight babies receiving surgical treatment for necrotising enterocolitis</td>
<td>J. Ashton; C. Charlesworth; P. Yajamanyam (United Kingdom)</td>
</tr>
<tr>
<td>13:50 - 13:55</td>
<td>Early biochemical markers associated with development of necrotizing enterocolitis</td>
<td>K.W. Olsson; R. Sindelar (Sweden)</td>
</tr>
<tr>
<td>13:55 - 14:00</td>
<td>Effect of antibiotic prophylaxis during removal of a central venous catheter on development of the neonatal intestinal microbiota</td>
<td>E. d’Haens; R. Zwittink; C. Belzer; M. Hemels; R. van Lingen; I. Renes; J. Knol; D. van Zoeren-Grobben (The Netherlands)</td>
</tr>
<tr>
<td>14:00 - 14:05</td>
<td>Stooling pattern and gastric residuals are not useful tools for early diagnosis of necrotising enterocolitis in preterm infants</td>
<td>S. Carlsson; M. Domellöf; A. Elfvin 3 (Sweden)</td>
</tr>
<tr>
<td>14:05 - 14:10</td>
<td>Is near infrared spectroscopy a reliable technique to measure gut perfusion in preterm infants?</td>
<td>J. Banerjee; T.S. Leung; N. Aladangady (United Kingdom)</td>
</tr>
<tr>
<td>14:10 - 14:15</td>
<td>Prediction of major bleeding in extremely low birth weight infants (&lt;1000g) by sequential coagulation monitoring</td>
<td>M. Thanhaeuser; C. Binder; M. Kornsteiner-Krenn; U. Derhaschnig; B. Jilma; A. Repa; A. Berger; N. Haiden (Austria)</td>
</tr>
<tr>
<td>14:15 - 14:20</td>
<td>Investigation of the relationship between umbilical cord blood IRF level and perinatal events</td>
<td>Z.E. Erdem Dursun; N. Guzoglu; D. Aliefendioglu (Turkey)</td>
</tr>
<tr>
<td>14:20 - 14:25</td>
<td>Relationship between plasma levels of bilirubin and oxidant/antioxidant status in the early neonatal period in preterm infants</td>
<td>G.I. Zoutkamp 1; K. Suzuki 2; C.H.P. van den Akker 1 (1. The Netherlands; 2. Japan)</td>
</tr>
<tr>
<td>14:25 - 14:30</td>
<td>The coagulation screen as a biomarker of neonatal encephalopathy outcomes</td>
<td>D. Sweetman; J. Murphy; E.J. Molloy (Ireland)</td>
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<tr>
<td>14:30 - 14:35</td>
<td>A preterm model of hyperbilirubinemia-induced cerebellar dysfunction</td>
<td>C.F. Bearer; M. He; J.F. Watchko; J.M. Simard; N. Tang (United States)</td>
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<td>Time</td>
<td>Presentation</td>
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| 14:35 - 14:40| Comparisons between transcutaneous bilirubinometry, point-of-care whole blood bilirubin and total plasma bilirubin measurement in neonates  
K. Palmkvist Kaijser; C. Backman Johansson; K. Hemse Nojd; C. Bemgard; K. Kjellson; G. Marchini (Sweden) |
| 14:40 - 14:45| Physiologic free bilirubin redistributes L1 cell adhesion molecule (L1) in lipid rafts                                           
N. Tang; M. He; J.F. Watchko; C.F. Bearer (United States) |
| 14:45 - 14:50| Reticulocyte haemoglobin content as an early index of iron deficiency in neonatal period                                          
P. Karagianni; E. Chatzitoliou; V. Antari; M. Lithoxopoulou; G. Mitsiakos; C. Tsakalidis; A. Kioumi; V. Soubasi (Greece) |
| 14:50 - 14:55| Effect of probiotic supplementation on breast milk jaundice                                                                      
N. Koksal; O. Bagci; H. Ozkan; I. Varal; P. Dogan (Turkey) |
| 14:55 - 15:00| An audit of use of emergency O negative blood in neonates for emergency blood transfusions and exchange transfusions            
P. Tormey; D. Sweetman; J. Quigley; J. Fitzgerald (Ireland) |

**POSTER SESSION 5 (NUTRITION 1) | VERONA ROOM**

**Chairs:** Silvia Iacobelli (Italy); Sissel Moltu (Norway)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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| 13:30 - 13:35| Comparative clinical effectiveness of two methods of hyperglycemia correction in very low birth weight preterm infants               
O. Dobush; D. Dobryanskyy; Z. Salabay; O. Borysiuk (Ukraine) |
| 13:35 - 13:40| Role of breast milk and fecal microbial content in development of breast milk jaundice                                           
N. Koksal; O Bagci; H. Ozkan; I. Varal; P Dogan (Turkey) |
| 13:40 - 13:45| Protein and caloric deficit during the neonatal period in infants with birth weight less than 1500 g and its association with blood pressure in the adolescence 
A. Dinerstein; C. Solana; R. Nieto; M. Casale; R. Conti; M. Moiron; F. General (Argentina) |
| 13:45 - 13:50| Long term growth and neurodevelopmental outcome in preterm infants born small for gestational age (SGA) and infants with intrauterine growth restriction (IUGR) 
C. Binder; A. Huber-Dangl; J. Binder; A. Kreissl; M. Thanhaeuser; A. Repa; A. Berger; N. Haiden (Austria) |
<table>
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<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>13:50 - 13:55</td>
<td>Elevated essential amino acid levels in very preterm infants on total parenteral nutrition</td>
<td>L. Burgess; M. Turner; B. Flanagan; C. Morgan (United Kingdom)</td>
</tr>
<tr>
<td>13:55 - 14:00</td>
<td>Effect of enteral iron supplementation on health outcomes in preterm and low birth weight infants: a systematic review</td>
<td>E. McCarthy; M. Kiely (Ireland)</td>
</tr>
<tr>
<td>14:00 - 14:05</td>
<td>Improved nutrition for extremely preterm infants - a population based observational study</td>
<td>V. Westin; S. Klevebro; M. Domellöf; M. Vanpée; B. Hallberg; E. Stoltz Sjöström (Sweden)</td>
</tr>
<tr>
<td>14:05 - 14:10</td>
<td>Nutrient intake in the first two weeks of life predicts brain macro- and microstructural growth in preterm neonates</td>
<td>J. Schneider 1, 2; L. Beauport 2; E. Duerden 1; T. Guo 1; J. Foong 1; M. Bickle Graz 2; P. Hagmann 2; M. Chakravarty 1; P. Hüppi 2; C. Fischer Fumeaux 2; S. Miller 1; A. Truttman 2 (1. Canada; 2. Switzerland)</td>
</tr>
<tr>
<td>14:10 - 14:15</td>
<td>Influence of human milk and parenteral lipid solutions on serum fatty acid profiles in extremely preterm infants</td>
<td>A.K. Nilsson 1; C. Löfqvist 1; S. Najm 1; G. Hellgren 1; E. Engström 1; P. Lundgren 1; A-L. Hård 1; A. Lapillonne 2; K. Sävman 1; M.X. Andersson 1; L.E.H. Smith 3; A. Hellström 1 (1. Sweden; 2. France; 3. United States)</td>
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<td>14:15 - 14:20</td>
<td>Evaluation of milk and blood irisin levels in preterm newborns diagnosed with either small or appropriate weight for gestational age compared to full term newborns</td>
<td>N. Mól; P. Tomasik; M. Zasada; P. Kwinta (Poland)</td>
</tr>
<tr>
<td>14:20 - 14:25</td>
<td>Positive relationship between transthyretin and insulin-like growth factor 1 during the anabolic period in very preterm infants</td>
<td>L. Hansen Pupp; C. Löfqvist; D. Ley; A. Hellström (Sweden)</td>
</tr>
<tr>
<td>14:25 - 14:30</td>
<td>Hormone profile and anthropometric assessment of very preterm newborns at follow-up</td>
<td>C. Balcells; B. del Rey Hurtado de Mendoza; M. Izquierdo-Renau; I. Iglesias-Platas (Spain)</td>
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<tr>
<td>14:30 - 14:35</td>
<td>Human milk composition in relation to growth and body composition in preterm infants at term age</td>
<td>K.P.T. Vu; D.F.J. Yumani; A.R.C. Laarman; H.N. Lafeber; M.M. van Weissenbruch (The Netherlands)</td>
</tr>
</tbody>
</table>
13:30 - 15:00  **Respiratory Syncytial Virus: Should We Identify Paediatric Patients at Risk for Severe Disease? | LECCE ROOM**  
Industry Supported session - please see page 125  
**Chair:** Paolo Manzoni (Italy)

**Severe RSV disease: the worldwide burden**  
Paolo Manzoni (Italy)

**Who needs RSV infection prevention? A closer look at children with chronic diseases**  
Bosco A. Paes (Canada)

**Cases in identifying children at risk of severe RSV disease**  
Panel

**The acute and long-term consequences of severe RSV disease**  
Maarten O. Blanken (The Netherlands)

**“Ask the Faculty” and concluding remarks**

15:00 - 17:00  **PARALLEL SESSION 7 (PULMONOLOGY 1) PULMONARY SYMPOSIUM | DARSENA ROOM**  
Industry Supported session - please see page 125  
**Chairs:** Charles C. Roehr (United Kingdom); Anna Lavizzari (Italy)

15:00 - 16:00  **nCPAP vs HFNC**  
Haresh Kirpalani (United States) vs Peter Davis (Australia)

16:00 - 16:30  **Newer strategies for surfactant delivery – who, when, where, why and how**  
Peter Dargaville (Australia)

16:30 - 16:45  **Sudden versus pressure wean from nasal CPAP in very preterm infants: a multicenter randomized controlled trial**  
C.F. Jensen; F. Ebbesen; A.S. Sørensen; T.B. Henriksen (Denmark)

16:45 - 17:00  **Predictors and outcomes of continuous positive airway pressure and nasal high-flow treatment failure in preterm infants: a secondary analysis of a randomized trial**  
B. Manley 1; C. Roberts 1; D. Frøisland 2; L. Doyle 1; P. Davis 1; L. Owen 1 (1. Australia; 2. Norway)
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>15:00 - 15:20</td>
<td>Cerebral autoregulation in asphyxiated neonates treated with hypothermia</td>
<td>A. Hendriksen; L. Dix; W. Baerts; F. van Bel; F. Groenendaal; P. Lemmers (The Netherlands)</td>
</tr>
<tr>
<td>15:20 - 15:35</td>
<td>Asynchrony and spectral EEG coherence in term neonates with intrauterine grow restriction</td>
<td>B. Reyes Millán; J.R. Castro Conde; C. González Campo; I. Quintero Fuentes; N.L. González González; D. González Barrios (Spain)</td>
</tr>
<tr>
<td>15:35 - 15:50</td>
<td>Early amplitude integrated electroencephalogram as a predictor of brain injury in newborns with very low birth weight: a cohort study</td>
<td>R.C. Silveira; L.V. Magalhaes; M.I. Winckler; J.A. Bragatti; R.S. Procionoy (Brazil)</td>
</tr>
<tr>
<td>15:50 - 16:05</td>
<td>MRI-diagnosed white matter lesions in the brain of VLBW babies: risk factor analysis</td>
<td>A. Parodi; S. Raffa; M. Malova; A. Sannia; M. Severino; G. Morana; D. Tortora; M.G. Calevo; A. Rossi; L. A. Ramenghi (Italy)</td>
</tr>
<tr>
<td>16:05 - 16:20</td>
<td>Perinatal associations with brain growth evaluated by sequential cranial ultrasonography in very preterm infants</td>
<td>R. Cuzzilla 1; A.J. Spittle 1; K.J. Lee 1; S. Rogerson 1; F.M. Cowan 2; L.W. Doyle 1; J.L.Y. Cheong 1 (1. Australia; 2. United Kingdom)</td>
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<tr>
<td>16:20 - 16:35</td>
<td>Bedside monitoring of cerebral metabolism in neonates at risk for hypoxic-ischemic encephalopathy</td>
<td>M. El-Dib; S.J. Blackwell; F. Yi; R. Vyas; C.G. Ha; B. Walsh; T.E. Inder; P.E. Grant; S.L. Ferradal (United States)</td>
</tr>
<tr>
<td>16:35 - 16:50</td>
<td>Early neonatal EEG markers for dyslexia risk: a pilot study</td>
<td>S. Martini; P. Cyr; L. Brightman; L. Amunts; G. Belteki; T. Austin; V. Leong (United Kingdom)</td>
</tr>
</tbody>
</table>
15:00 - 17:00 PARALLEL SESSION 9 (CIRCULATION 2)
WHAT SHOULD WE MONITOR? GLOBAL HAEMODYNAMICS (SYSTEMIC BLOOD FLOW), END-ORGAN PERFUSION (REGIONAL BLOOD FLOW) OR THE MICROCIRCULATION (CAPILLARY BLOOD FLOW)? | ROMA ROOM

Chairs: Afif El-Khuffash (Ireland); Mayka Bravo (Spain)

15:00 - 15:20 It’s all about the heart
Willem de Boode (The Netherlands)

15:20 - 15:40 It’s all about the brain
Gorm Greisen (Denmark)

15:40 - 16:00 It’s all about the microcirculation
Dick Tibboel (The Netherlands)

16:00 - 16:15 Patent ductus arteriosus, cerebral haemodynamics and intraventricular haemorrhage in preterm neonates: a causal pathway study
C. Kotidis; M. Weindling; A. Eleuteri; H. Rabe; M. Turner (United Kingdom)

16:15 - 16:30 Electrical velocimetry in preterm infants: effect of time and gestational age
L. Van Wyk 1; W.P. De Boode 2; J. Smith 1; J. Lawrenson 1; C.J. Lombaard 1
(1. South Africa; 2. The Netherlands)

16:30 - 16:45 Molecular and genetic markers for prediction of resistance to inotropic therapy in newborns with arterial hypotension
D. Kryuchko; A. Donnikov; E. Baibarina; I. Nikitina; O. Ionov; D. Degtyarev (Russia)

16:45 - 17:00 Glial fibrillary acidic protein plasma levels during congenital heart diseases surgery inversely correlate with vineland adaptive behavior scales communication score
L. Vedovelli; M. Padalino; M. Salvagno; S. Sartori; A. Suppiej; E. Cainelli; G. Stellin; G. Falasco; V.P. Carnielli; M. Simonato; P. Cogo (Italy)

1st November, 2017
15:00 - 17:00 **PARALLEL SESSION 10 (PHARMA 1)**  
**CHALLENGES IN NEONATAL DRUG DEVELOPMENT**  
| FIRENZE ROOM  

**Chairs:** Sinno Simons (The Netherlands); Karel Allegaert (Belgium)

15:00 - 15:20 **What you need to know from EMA PDCO**  
*Mark Turner (United Kingdom)*

15:20 - 15:40 **The HIP trial story**  
*Eugene Dempsey (Ireland)*

15:40 - 16:00 **Experiences from the NEO-CIRC trial**  
*Heike Rabe (United Kingdom)*

16:00 - 16:15 **Adrin 1 methodology study: adverse drug reactions in neonates: what are the best ways to evaluate suspected adverse drug reactions in neonates?**  
*E. Roberts; D. Hawcutt; J.J. Kirkham; M.A. Turner (United Kingdom)*

16:15 - 16:30 **Large differences in off-label and neonatal drug use still exist: time for consensus?**  
*R. Flint; F. Van Beek; P. Andriessen; P. Degraeuwe; D. Liem; I. Reiss; R. de Groot; D. Tibboel; D. Burger; S.H.P. Simons; DINO study group (The Netherlands)*

16:30 - 16:45 **Urinary 17-α-hydroxy-progesterone as a potential marker of neonatal pain**  
*M. Brasseler; T. Hoehn (Germany)*

16:45 - 17:00 **B3-adrenoceptor regulation of nitric oxide in the cord vascular system**  
*G. Cavallaro 1; A. Grigio 1; L. Provitera 1; G. Raffaeli 1; I. Amodeo 1; S. Gulden 1; G. Zuanetti 1; D. Lattuada 1; G. Ercoli 1; S. Gatti 1; E. Villamor 2; F. Mosca 1*  
(1. Italy; 2. The Netherlands)
15:00 - 15:20 Preterm parenteral nutrition: too much too soon or too little too late  
Colin Morgan (United Kingdom)

15:20 - 15:40 Risks and benefits of insulin treatment in hyperglycaemic preterm neonates  
Elsa Kermorvant (France)

15:40 - 15:55 Target fortification of breast milk with protein, carbohydrate and fat for preterm infants improves growth outcomes: a doubleblind randomized controlled trial  
N. Rochow 1; G. Fusch 1; A. Ali 1; A. Bhatia 1; S. Ahmad 1; A. Nguyen 1; L. Chessell 1; S. el Helou 1; C. Fusch 1,2  
(1. Canada; 2. Germany)

15:55 - 16:10 Targetting glucose control with real time continuous glucose monitoring  
L. Thomson; D. Elleri; D. Dunger; K. Beardsall (United Kingdom)

16:10 - 16:25 Bovine colostrum for preterm infants in the first days of life: a randomized controlled pilot trial  
S.M. Juhl 1; X. Ye 2; P. Zhou 2; Y. Li 1; E.O. Iyore 1; L. Zhang 2; P. Jiang 1; J.B. v. Goudoever 3; G. Greisen 1; P.T. Sangild 1  
(1. Denmark; 2. China; 3. The Netherlands)

16:25 - 16:40 Reducing variability in macronutrient intakes improves growth in preterm infants: target fortification of breast milk - a double-blind randomized controlled trial  
A. Bhatia 1; N. Rochow 1; G. Fusch 1; A. Ali 1; A. Nguyen 1; A. Bahonjiic 1; C. Fusch 1,2  
(1. Canada; 2. Germany)

16:40 - 16:55 The effect of fish oil emulsions on lung function in preterm infants receiving parenteral nutrition  
V.P. Carnielli; C. Biagetti; P. Marchionni; A. Correani; M. Carfagna; S. Nobile (Italy)
15:00 - 17:00  PARALLEL SESSION 12 (EFCNI 2)  
FAMILY CENTRED DEVELOPMENTAL SUPPORTIVE CARE – EVIDENCE OR PHILOSOPHY?  | LECCE ROOM

Chairs: Silke Mader (Germany); Jacques Sizun (France)

15:00 – 15:40  Family integrated care in the NICU - feasible and good for preterm infants?  
Shoo Lee (Canada)

15:40 – 16:20  Developmental care – impact on the brain  
Stéphane Sizonenko (Switzerland)

16:20 – 17:00  Influence of auditive NICU environment on the preterm baby  
Pierre Kuhn (France)

17:00 - 17:30  COFFEE BREAK

17:30 - 18:30  PLENARY SESSION 3  | DARSENA ROOM
BENGT ROBERTSON AWARD

Industry Supported session - please see page 126  
Chairs: Kajsa Bohlin (Sweden); Virgilio P. Carnielli (Italy)

17:30 – 17:40  Introduction

17:40 – 18:15  Steroids, surfactant and the preterm lung: bench to bedside and back again  
Roberta and Phil Ballard (United States)

18:15 – 18:30  Impact of preterm birth on respiratory muscle function in childhood  
Aggeliki Vervenioti (Greece)
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