

# THE NEONATE

AN INTERNATIONAL SYMPOSIUM FOR ASIA

SHANGHAI

March 30 - April 1, 2016

SCIENTIFIC ORGANIZATION  
Prof. Bo Sun, China - Prof. Christian P. Speer, Germany



## POSTER SESSIONS

**A EPIDEMIOLOGY**

**B STABILIZATION OF HIGH RISK INFANTS /  
PULMONARY DISEASES AND RESPIRATORY CARE /  
BPD AND PDA**

**C NUTRITION, METABOLISM AND DRUGS**

**D INFECTIONS AND INFLAMMATION / NEUROLOGY**

**E MISCELLANEOUS TOPICS**

## A EPIDEMIOLOGY

**THURSDAY, MARCH 31, 2016; 13<sup>30</sup> - 14<sup>00</sup>**

*Chair: J.M. Davis, Boston; L.Z. Du, Hangzhou*

### A-1

#### **Neonatal survival - the global perspective**

**S. Ali**

*Department of Paediatrics, PAF Hospital, Fazaia Medical College, Islamabad, Pakistan*

### A-2

#### **Multiple factors associated to the incidence of asphyxia in term infants**

**A.N. Radityo**; M.S. Kosim; G. Irawan

*Neonatology Department, Diponegoro University, Dr. Kariadi Hospital, Semarang, Indonesia*

### A-3

#### **HELLP syndrome in severe preeclampsia: The perinatal outcomes**

**S. Rahmayanti**; D.S. Nurdiati

*Faculty of Medicine, Universitas Gadjah Mada, Yogyakarta, Indonesia*

### A-4

#### **Morbidity and mortality of very low birth weight infants with respiratory distress syndrome in Shaanxi NICU network**

**L. Zhang**, B. Sun

*Northwest Women and Children's Hospital; Children's Hospital of Fudan University, Shanghai, China*

**THURSDAY, MARCH 31, 2016; 15<sup>45</sup> – 16<sup>30</sup>**

*Chair: R. Mori, Tokyo; V.S. Rajadurai, Singapore*

### A-5

#### **Efficacy of respiratory therapies and outcome of neonatal hypoxemic respiratory failure in a Northwest Chinese NICU network**

**L. Zhang**, B. Sun

*Northwest Women and Children's Hospital; Children's Hospital of Fudan University, Shanghai, China*

### A-6

#### **Mortality of hypoxemic respiratory failure was higher in NICUs with lower annual admissions adjusted by SNAPPE-II categories**

**H. Wang**, B. Sun

*Children's Hospital of Fudan University, Shanghai, China*

### A-7

#### **Demographic and clinical profile of congenital anomalies in a tertiary government hospital, a 1-year retrospective study**

**J.A. Rubio**; C. Nunez ; J. Wong

*Paediatric Department, Hospital of Manila Medical Center, Manila, Philippines*

### A-8

#### **Maternal exposure to air pollution and risk of oral clefts**

**J. Zhao**, S. Yang, B. Zhang, S. Liang, Z. Qian, S. Xu

*Wuhan Women and Children Health Care Center, Wuhan, China*

## **B STABILIZATION OF HIGH RISK INFANTS / PULMONARY DISEASES AND RESPIRATORY CARE / BPD AND PDA**

**THURSDAY, MARCH 31, 2016; 13<sup>30</sup> - 14<sup>00</sup>**

*Chair: R.J. Martin, Cleveland; B. Hosono, Tokyo*

### **B-1**

**Sustained inflammation and small-for-gestational age were associated with aggravation of neonatal bronchopulmonary dysplasia**

**M. Ochiai;** H. Kurata; H. Inoue; T. Kusuda; T. Kinjo; H. Takada

*Comprehensive Maternity and Perinatal Care Center, Fukuoka, Japan*

### **B-2**

**Effect of delayed cord clamping and umbilical cord milking on preterm infants with gestational age < 32 weeks**

**X. Dong;** X.F. Sun; Z. Yu; S. Han

*Nanjing Maternity and Child Health Care Hospital, Nanjing, China*

### **B-3**

**Delayed cord clamping compared with cord milking in preterm neonates**

**J.Y. Chun;** J.W. Choi; S.A. Yoon; J.S. Kim; Y.H. Ho; S.Y. Ahn; H.S. Yoo; S.I. Sung; Y.S. Chang; W.S. Park

*Paediatric Department, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea*

### **B-4**

**Implementation of the first golden hour in the neonatal unit of Cipto Mangunkusumo Hospital, Jakarta, Indonesia**

**P.M.T. Marsubrin;** R. Rohsiswatmo; S. Rahmayanti

*Neonatology Division, Department of Pediatrics, University of Indonesia, Cipto Mangunkusumo Hospital, Jakarta, Indonesia*

**THURSDAY, MARCH 31, 2016; 15<sup>45</sup> – 16<sup>30</sup>**

*Chair: C.C. Roehr, Oxford; B. Sun, Shanghai*

### **B-5**

**Clinical profile and outcome of newborns after double volume exchange transfusion**

**P. Kanodia;** S. Yadav; N. BhattaM; R. Singh; S. Yadav

*Dept. of Pediatrics, Neonatology Division, B.P Koirala Institute of Health Sciences, Dharan, Nepal*

### **B-6**

**Effect of surfactant treatment for pulmonary haemorrhage in neonates**

**L.H. Chu;** K.D. Khu

*Neonatology Department, National Pediatric Hospital, Ha Noi, Vietnam*

### **B-7**

**The new generation synthetic surfactant CHF5633 reduces LPS-induced TNF-alpha response in human neonatal and adult CD14+ monocytes**

**K. Glaser;** M. Fehrholz; T. Curstedt; S. Kunzmann; C.P. Speer

*University Children's Hospital, University of Wuerzburg, Wuerzburg, Germany*

### **B-8 Pulmonary interstitial emphysema in preterm infants**

**T.M. Wang;** Y.C. Hsu; M.C. Lin

*Pediatric Department, Taichung-Veterans General Hospital, Taichung, Taiwan*

**FRIDAY, APRIL 1, 2016; 14<sup>00</sup> – 14<sup>30</sup>**

*Chair: F.-C. Cheah, Kuala Lumpur; C. Chen, Shanghai*

**B-9**

**Comparison of early and late caffeine therapy on clinical outcomes of preterm neonates**

**R. Saeidi**, S. Maghrebi

*Neonatal Research Center, Imam Reza Hospital, Faculty of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran*

**B-10**

**Factors associated with the severity of bronchopulmonary dysplasia in very low birth weight infants**

**Q. Zhang**; Y. Wu; X. Gao; Y. Zuang; Y. Hu; B. Lu; Y. Xiong

*Hunan Children's Hospital, Hunan, China*

**B-11**

**Indomethacin prophylaxis after the trial of Indomethacin prophylaxis in preterm infants (TIPP): A post-trial field evaluation by propensity score**

**A. Almudeer**

*Pediatric Department, University of Dalhousie, Halifax, Canada*

## C NUTRITION, METABOLISM AND DRUGS

**THURSDAY, MARCH 31, 2016; 13<sup>30</sup> - 14<sup>00</sup>**

*Chair: M. Hej, Changsha; S. Supapannachart, Bangkok*

### C-1

**Outcomes of very low birth weight infants or extremely low birth weight infants after using donor human milk in a Chinese NICU**

**S. Han; Z. Yu**

*Nanjing Maternity and Children Healthcare Hospital, Nanjing, China*

### C-2

**Determination of faecal fatty acid contents in infants fed with human milk and infant formula**

**W. Zhang**

*Xinhua Hospital Affiliated to Shanghai Jiao Tong University, School of Medicine, Xinhua, China*

### C-3

**Investigating the changes in trace elements in preterm breast milk**

**N. Mohd Taufek; D. Cartwright; M. Davies; A.K. Hewavitharana; P. Koorts; K. Palmer-Field; P.N. Shaw; K. Whitfield**

*School of Pharmacy, The University of Queensland, Queensland, Australia*

### C-4

**Investigating the longitudinal variation of eight essential trace elements in preterm human milk- a case study**

**N. Mohd-Taufek; J.A. Duley; H.G. Liley; P.N. Shaw; K. Whitfield**

*School of Pharmacy, The University of Queensland, Queensland, Australia*

**THURSDAY, MARCH 31, 2016; 15<sup>45</sup> – 16<sup>30</sup>**

*Chair: W.W. Hay, Aurora; Y. Cao, Shanghai*

### C-5

**The safety of a large dose of amino acid in early parenteral nutrition of very and extremely low birth weight infants**

**X. Yuan**

*Jinan Maternity and Child Care Hospital, Jinan, China*

### C-6

**Carnitin effect on cholesterol and triglyceride serum levels in preterm infants receiving total parenteral nutrition**

**A. Farhat; A. Mohammadzadeh; N.G.H. Firoozi**

*Neonatal Research Center, Imam Reza Hospital, Faculty of Medicine, Mashhad University, Mashhad, Iran*

### C-7

**Correlation between severe retinopathy of prematurity and sildenafil administration in a preterm infant with persistent pulmonary hypertension of the newborn**

**K. Fuwa; S. Hosono; K. Kayama; N. Nagano; Y. Taguchi; K. Yoshikawa; S. Takahashi**

*Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan*

### C-8

**Dexmedetomidine in ventilated neonates - a pilot study**

**M.R. Hariram; M.V. Ashok; M. Salih; V. Viswasri; N. Santosh**

*Department of Neonatology, Sagar Hospitals, Bangalore, India*

**C-9**

**Late vitamin K-deficiency bleeding in two young infants - an almost forgotten disorder**

C. Siauw; J. Wirbelauer; C. P. Speer

*University Hospital Wuerzburg, Children's Hospital, Wuerzburg, Germany*

**C-10**

**The evaluation of blood calcium, phosphate, alkaline phosphatase, VitA and 25-OH VitD at birth of SGA and AGA preterm infants**

B. He

*The First Affiliated Hospital of Xiamen University, Xiamen, China*

**FRIDAY, APRIL 1, 2016; 14<sup>00</sup> – 14<sup>30</sup>**

*Chair: N. Modi, London; J.X. Zhu, Shanghai*

**C-11**

**Hyperferritinemia as a clinical risk factor of sepsis or bronchopulmonary dysplasia in very low birth weight infants**

M. Ochiai; H. Kurata; H. Inoue; K. Tanaka; Y. Matsushita; J. Fujiyoshi; H. Takada

*Comprehensive Maternity and Perinatal Care Center, Kyushu University Hospital, Fukuoka, Japan*

**C-12**

**Blood reference intervals for preterm low birth weight infants: A multicenter cohort study in Japan**

M. Ochiai; Y. Matsushita; H. Inoue; T. Kusuda; D. Kang; K. Ichihara; N. Nakashima; K. Ihara; S. Ohga; T. Hara; for the Kyushu University High-Risk Neonatal Clinical Research Network, Japan

*Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan*

**C-13**

**A model for predicting significant hyperbilirubinemia in neonates from China**

S. Han; Z. Yu

*Nanjing Maternity and Children Healthcare Hospital, Nanjing, China*

**C-14**

**Association between vitamin D status and gestational age and risk factors for vitamin D deficiency in preterm infants**

R. Yu

*Wuxi Maternal and Child Health Care Hospital, Wuxi, China*

## D INFECTIONS AND INFLAMMATION / NEUROLOGY

**THURSDAY, MARCH 31, 2016; 13<sup>30</sup> - 14<sup>00</sup>**

*Chair: D. Isaacs, Sydney; J. Mao, Shengyang*

### D-1

#### **Clinical characteristics of early onset sepsis in micro-preemie**

**S.A. Yoon;** J.Y. Chun; Y.H. Ho; J.S. Kim; H.S. Yoo; S.I. Sung; S.Y. Ahn; Y.S. Chang; W.S. Park

*Department of Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea*

### D-2

#### **Evaluation of neonatal sepsis causative agents and empirical antibiotic susceptibilities used in the neonatology unit, Cipto Mangunkusumo Hospital, Jakarta, Indonesia**

**C. Nadia;** R. Rohsiswatmo; A. Iskandar

*Neonatology Division, Department of Pediatrics, Faculty of Medicine, University of Indonesia, Cipto Mangunkusumo Hospital, Jakarta, Indonesia*

### D-3

#### **CLABSI reduction with use of a central line insertion bundle**

**J. Khan;** M. Qadir; A. Brystricka

*Al-Rhaba Hospital, Abu Dhabi, United Arab Emirates*

### D-4 **Successful containment and infection control of a multidrug-resistant Escherichia coli outbreak in a Neonatal Intensive Care Unit**

**C. Silwedel;** U. Vogel; H. Claus; K. Glaser; J. Wirbelauer; C.P. Speer

*University Hospital Wuerzburg, Children's Hospital, Wuerzburg, Germany*

**THURSDAY, MARCH 31, 2016; 15<sup>45</sup> – 16<sup>30</sup>**

*Chair: M.P. Sherman, Columbia; W.H. Zhou, Shanghai*

### D-5

#### **S.aureus and neonatal stridor: Are they related?**

**D. Varghese;** A. Ansary; L. Jackson

*Neonatal Unit, Royal Hospital for Children, Glasgow, UK*

### D-6

#### **Multiple factors associated with Metichillin-resistant Staphylococcus Aureus infections in neonates**

**A.N. Radityo;** M.S. Kosim; G. Irawan

*Neonatology Department, Diponegoro University Dr. Kariadi Hospital, Semarang, Indonesia*

### D-7

#### **Lactoferrin as an adjuvant in influenza vaccination**

**M. Sherman;** C. Pritzl; C. Xia; B. Hahm

*Neonatology, University of Missouri, Columbia, USA*

### D-8

#### **Preventive effect of magnesium sulfate on intra ventricular hemorrhage in preterm infants**

**A. Mohammadzadeh;** A. Farhat; M. Roshandel

*Neonatal Research Center, Imam Reza Hospital, Faculty of Medicine; University of Medical Science, Mashhad, Iran*

**D-9**

**Neurogenin-2-transduced human neural progenitor cells attenuate neonatal hypoxic-ischemic brain injury**

**J. Shin;** I. Lee; K. Koo; K. Jung; I. Kim; M. Kim; K. Hwang; S. Yun; H. Lee; K. Park

*Department of Pediatrics, Severance Children's Hospital, Seoul, Korea*

**D-10**

**Cerebral folate deficiency - a form of folinic acid responsive seizures**

**M.V. Ashok;** M.R. Hariram; V. Viswasri; A.B. Jalan; S.A. Mustafa

*Department of Neonatology, Sagar Hospitals, Bangalore, India*

**D-11**

**Compared to INSURE, LISA causes less effects on cerebral oxygen metabolism of preterm newborns**

*X Li; T Cheng; L Zhang*

*Guang Zhou Women and Children's Medical Center, Guang Zhou, China*

**FRIDAY, APRIL 1, 2016; 14<sup>00</sup> – 14<sup>30</sup>**

*Chair: L.W. Doyle, Melbourne; T.T.T. Pham, Ho-Chi-Minh City*

**D-12**

**Risk factors and brain magnetic resonance imaging in neonates with refractory purulent meningitis**

**S. Li;** S. Jiang; M. Yang; G. Cheng; Q. Zhou; Z. Qiao; Y. Cao

*Children's Hospital of Fudan University, Shanghai, China*

**D-13**

**Assessment of an association between attention deficit hyperactivity disorder and low birth weight in 5 to 10-year old children**

**R. Saeidi;** M. Javanbakht; M. Sagary

*Neonatal Research Center, Imam Reza Hospital, Faculty of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran*

**D-14**

**The effects of combined follow-up and early intervention program on neurodevelopment outcomes in high risk neonates**

**J. Huang**

*The First People's Hospital of Hefei, Hefei, China*

**D-15**

**Survival without major morbidities of extremely preterm infants born at St. Luke's Medical Center Quezon City from 2011 to 2013**

**ME Uy;** L. Simangan; I. Palaluan

*Department of Pediatrics, St. Luke's Medical Center, Quezon City, Philippines*



## **E MISCELLANEOUS TOPICS**

**THURSDAY, MARCH 31, 2016; 13<sup>30</sup> - 14<sup>00</sup>**

*Chair: M. Vento, Valencia; Z.L. Lin, Wenzhou*

### **E-1**

**Impact of education on attitudes of neonatologists and nurses to family integrated care (FICare) in NICUs in China**

**M. Hei; X. Gao ; X. Gao; A. Zhang; S.K. Lee**

*Central South University Xiangya Hospital, Xiangya, China*

### **E-2**

**Effect of family integrated care (FICare) on maternal stressfulness in a Neonatal Intensive Care Unit**

**L. He; Y. Tan; M. Hei**

*The Third Xiangya Hospital of Central South University, Xiangya, China*

### **E-3**

**Feasibility and infant outcomes of family-integrated-care (FICare) in Neonatal Intensive Care Units in China: A pilot study**

**M. Hei; Y. Tan; L. He; S.K. Lee**

*The Third Xiangya Hospital of Central South University, Xiangya, China*

### **E-4**

**A quality improvement initiative to increase breast milk use in a Chinese NICU**

**Q. Zhou; S. Lee; X. Hu; Y. Cao**

*Children's Hospital of Fudan University, Shanghai, China*

**THURSDAY, MARCH 31, 2016; 15<sup>45</sup> – 16<sup>30</sup>**

*Chair: R.K. Pejaver, Bangalore; M. Shahidullah, Dhaka*

### **E-5**

**Comparison of neonatal complications between Cesarean delivery and normal vaginal delivery**

**R. Saeidi; G.A. Maamouri; S. Ayati; S. Rahmani**

*Neonatal Research Center, Imam Reza Hospital, Faculty of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran*

### **E-6**

**Impact of maternal body mass index (BMI) on birthweight**

**M.F.M Ibrahim; S.C. Chuah**

*Obstetrics & Gynaecology, John Hunter Hospital, Newcastle, NSW, Australia*

### **E-7**

**Maternal predictors of low birth weight among women attending private hospitals of Lahore, Pakistan.**

**A. Saeed; A. M. Saeed**

*Department of Health Sciences, University of South Asia, Lahore, Pakistan*

### **E-8**

**A new tool to diagnose congenital heart disease - Al Rahba Hospital experience**

**J. Khan**

*NICU, Department of Paediatrics, Al Rahba Hospital/John Hopkins Int., Abu Dhabi, United Arab Emirates*

**E-9**

**Comparison of sodium ion levels between an arterial blood gas analyzer and an auto-analyzer in preterm infants admitted to the neonatal intensive care unit: A retrospective study**

**J. Doo**; J.K. Kim; S.C. Cho

*Department of Pediatrics, Chonbuk National University Hospital, Jeonju, Korea*

**E-10**

**Clinical and genetic study of Cornelia de Lange syndrome in China**

**M. Hei**; X. Gao; L. Wu

*The Third Xiangya Hospital of Central South University, Xiangya, China*

**E-11**

**Case report of Wolf-Hirschhorn syndrome requiring multi-disciplinary approach to management**

**J.C. Nagaputra**; S. Bharadwaj; J.T.L. Choo; T. Oon Hoe; A. Ang; T.T. Wah; A.H.M. Lai; D.K.L. Chan

*Department of Neonatal and Developmental Medicine, Singapore General Hospital, Singapore*

**E-12**

**Bilious vomiting in neonates with no less than 35 weeks of gestational age in a single center experience**

**J.S. Shin**; Y.H. Lee; G.H. Shim; M.J. Chey

*Department of Pediatrics, Inje University Sanggye Paik Hospital, Seoul, Korea*