

## Oral Presentations Summary

### **O-01: Surgical interventions and survival in children with trisomy 18: A population-based cohort study in Japan**

Kana Fukui, Yushi Ito, Tetsuya Isayama

Division of Neonatology, National Center for Child Health and Development

### **O-02: Lung Ultrasound for Predicting Surfactant Administration in Ventilated and Non-ventilated Infants with Respiratory Distress Syndrome: A Multicenter Prospective Study**

Yusuke Hoshino<sup>1</sup>; Takeshi Futatani<sup>2</sup>; Souya Kitamura<sup>3</sup>; Takumi Sato<sup>4</sup>; Kazushi Maruo<sup>5</sup>; Yoshiya Yukitake<sup>1</sup>; Daigo Kajikawa<sup>1</sup>; Koji Hirono<sup>1</sup>; Ayako Hinata<sup>1</sup>; Rena Miura-Fuchino<sup>1</sup>; Yuki Okada<sup>1</sup>; Yuka Yuhara<sup>1</sup>; Yoshihiro Sato<sup>1</sup>; Junichi Arai<sup>1</sup>

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### **O-03: Outcomes of bronchopulmonary dysplasia in very low birth weight infants: 20-year survey**

Chien-Yi Chen<sup>1</sup>; Hung-Chieh Chou<sup>1</sup>; Hsin-Chung Huang<sup>1</sup>; Ting-An Yen<sup>1</sup>; Po-Nien Tsao<sup>1</sup>; Taiwan Premature Infant Follow-up Network

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### **O-04: Perioperative Biventricular Function in Congenital Diaphragmatic Hernia: A three-dimensional echocardiographic study**

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### **O-05: Dynamics of Microbiome Composition on the Maternal-Fetal Side of the Placenta: A Spatial Analysis**

Young Joo Lee<sup>1</sup>; Young Sung Choi<sup>2</sup>; Malak Azziz<sup>2</sup>; Ka Young Mun<sup>1</sup>; Mi Rim Lee<sup>1</sup>; Gyeong Seo Han<sup>1</sup>; Hye Jin Kim<sup>1</sup>; Ju Young Jang<sup>1</sup>; So Mi Kang<sup>2</sup>;

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### **O-06: Association Between Cord Blood Metabolomics and Childhood Lung Function: A Prospective Cohort Study in Taiwan.**

An-Jou Hsu<sup>1</sup>; Jia-Hwa Yang<sup>2</sup>; Mei-Huei Chen<sup>1,2</sup>; Pau-Chung Chen<sup>3,4,5,6</sup>; Po-Nien Tsao<sup>1,7</sup>.

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### **O-07: The effectiveness of ECMO in CDH; Comparison between ECMO center and Non-ECMO center**

Hidehiko Maruyama<sup>1,2</sup>; Shoichiro Amari<sup>1,2</sup>; Tetsuya Isayama<sup>1,2</sup>; Yoshiaki Sato<sup>2</sup>; Noriaki Usui<sup>2</sup>; Katsuaki Toyoshima<sup>2</sup>; Kouji Nagata<sup>2</sup>; Hiroomi Okuyama<sup>2</sup>; Akiko Yokoi<sup>2</sup>; Keita Terui<sup>2</sup>

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### **O-08: Risk Factors and Neurodevelopmental Consequences of Pulmonary Hypertension in Preterm Infants: A Retrospective Cohort Study Utilizing Database**

Yu-Chen Hsu<sup>1</sup>; I-Lun Chen<sup>2</sup>; Hsin-Chun Huang<sup>2</sup>; Mei-Chen Ou Yang<sup>2</sup>; Hung-Chih Lin<sup>3,4</sup>

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### **O-09: Long-Term Neurobehavioral Consequences of Neonatal Lipopolysaccharide Sensitization and Dexamethasone Exposure in Neonatal Mice**

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3. Department of Pediatrics, E-Da Hospital, I-Shou University, Kaohsiung, Taiwan

### **O-10: Development of an Application that Analyzes Baby Cries Using AI Technology to Estimate Emotions and Propose Interventions**

Kohga Nakai<sup>1,2</sup>; Ryo Muramatsu<sup>1</sup>; Yosuke Imanishi<sup>3</sup>; Osuke Iwata<sup>2</sup>

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### **O-11: Impact of Neurally Adjusted Ventilatory Assist Management on Neurodevelopmental Outcomes in Extremely Preterm Infants**

Tomoko Saito, Tomoyuki Shimokaze, Yoshinori Inagaki, Takahiro Noguchi, Jun Shibasaki, Katsuaki Toyoshima

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**O-12: Evolving Respiratory Support Strategies in Extremely Preterm Infants: A Nationwide Cohort Study in Taiwan, 2014–2023**

Kaiti Tseng<sup>1,2</sup>; Jui-Hsing Chang<sup>2,3</sup>; Chyong-Hsin Hsu<sup>3</sup>; Chia-Ying Lin<sup>2,3</sup>; Chia-Hui Chen<sup>2,3</sup>; Wai-Tim Jim<sup>2,3</sup>; Chun-Chih Peng<sup>2,3</sup>Pr; Hung-Yang Chang<sup>2,3</sup>

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