

Nov. 25th (Fri) Starlight 43F

7:50-8:40 Oral 01 Infectious Diseases 1

Felizardo N. Gatcheco, Philippine Pediatric Society, Philippines
Tsutomu Iwata, Tokyo Kasei University, Japan

O1A-01 Rescue patients of severe enterovirus 71 infection with flexible cardiovascular medication

Jeng-Sheng Chang, Department of Pediatrics, China Medical University Hospital, Taiwan

O1A-02 Attenuated *Salmonella enterica* serovar Typhimurium expressing VP1 as Enterovirus 71 vaccine

Cheng-Hsun Chiu, Department of Pediatrics, Chang Gung Children's Hospital, Taiwan

O1A-03 Molecular-based rapid diagnosis of viral infection by loop-mediated isothermal amplification (LAMP)

Tetsuo Nakayama, Kitasato Institute for Life Sciences, Japan

O1A-04 A whole blood assay of MxA for diagnosis of viral infection in febrile children

Motokazu Nakabayashi, Department of Pediatrics, Faculty of Medicine, Toyama Medical and Pharmaceutical University, Japan

O1A-05 Gene-expression profiling of the effect of high-dose intravenous Ig in Kawasaki disease

Jun Abe, National Research Institute for Child Health and Development, Japan

9:20-10:40 Oral 02 Infectious Diseases 2

Yu Lung Lau, The University of Hong Kong, Hong Kong
Hiroyuki Moriuchi, Nagasaki University Graduate School of Biomedical Sciences, Japan

O1A-06 Association of *IL12RB1* polymorphisms with tuberculosis in Japanese: A gene-based analysis

Koichi Kusuvara, Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Japan

O1A-07 Molecular mechanism of *Yersinia pseudotuberculosis*-derived superantigen-mediated shock in mice

Hirotsugu Kano, Department of Pediatrics, The University of Tokyo Hospital, Japan

O1A-08 Chemokine receptors response to bacterial superantigen on CD4+ T lymphocytes and CD14+ monocytes

Wasu Kamchaisatian, Ramathibodi Hospital, Mahidol University, Thailand

O1A-09 Spread of an emerging neonatal infectious disease caused by superantigen-producing MRSA in Japan

Naoto Takahashi, Department of Pediatrics, Jichi Medical School, Japan

O1A-10 T serotypes of *Group A Streptococci* which obtained from the children in Korea from 1998 through 2003

Sung-Ho Cha, Department of Pediatrics, Kyung-Hee University Hospital, Korea

O1A-11 Withdrawn

O1A-12 Ulinastatin can not reduce caspase 3-mediated apoptosis in *A. hydrophilia* induced sepsis

Bai-Horng Su, Department of Pediatrics, China Medical University Hospital, Taiwan

O1A-13 Characteristics of pathogenic bacteria isolated from washed sputum in pediatric primary care

Haruo Kuroki, Sotobo Children's Clinic, Japan

10:40-12:00 Oral 03 Infectious Diseases 3

Uday Govindrao Bodhankar, Indian College of Maternal and Child Health Pediatric Unit, India
Toshio Miyawaki, Toyama Medical & Pharmaceutical University, Japan

- O1A-14*** **Human coronavirus NL63 infection in children hospitalized with respiratory tract infections in Korea**
Ju Young Chung, Department of Pediatrics, Sanggyepaik Hospital, Inje University College of Medicine, Korea
- O1A-15** **Innate immune response genes polymorphisms in severe acute respiratory syndrome (SARS)**
YL Lau, The University of Hong Kong, Hong Kong
- O1A-16** **Immune response to inactivated whole virion H5N1 mucosal influenza vaccine in human volunteers**
Takuji Kumagai, Pediatric Allergy and Infectious Diseases Society of Sapporo, Kumagai Pediatric Clinic, Japan
- O1A-17** **Efficacy of inactivated vaccine in alleviating febrile illness of culture-confirmed influenza**
Makoto Kamada, The Vaccine Study Group of the Society of Ambulatory and General Pediatrics of Japan, Japan
- O1A-18** **Human metapneumovirus infection in hospitalized children, Seoul, Korea**
Ju Young Chung, Department of Pediatrics, Sanggyepaik Hospital, Inje University College of Medicine, Korea
- O1A-19** **Respiratory syncytial virus antibody escape mutants vary in fitness**
Xiaodng Zhao, Chongqing University of Medical Sciences, China
- O1A-20** **Alpha-fetoprotein inhibits HIV-1 infection: Implications for mother-to-child transmission**
Hiroyuki Moriuchi, Nagasaki University Hospital, Japan
- O1A-21** **Molecular epidemiology of viral acute gastroenteritis in children hospital of Taiwan**
Shih-Yann Chen, Department of Pediatric Gastroenterology and Hepatology, Chang-Gung Children's Hospital, Taiwan

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13:20-14:50 Oral 04 Neonatology 1

Tsu Fuh Yeh, China Medical University, Taiwan
Hajime Togari, Nagoya City University Graduate School of Medical Sciences, Japan

- O1A-22** **Troponin I in the neonates with respiratory distress**
Shuchi Mu, Department of Pediatrics, Shin Kong Wu Ho-Su Memorial Hospital, Taiwan
- O1A-23** **Association between surfactant protein A (SP-A) gene polymorphism and respiratory distress syndrome**
Heui-Seung Jo, Department of Pediatrics, Seoul National University College of Medicine, Korea
- O1A-24** **Surfactant protein-A and D concentrations from bronchoalveolar lavage in preterm infants with RDS**
Chong-Woo Bae, Department of Pediatrics, College of Medicine, Kyunghee University, Korea
- O1A-25** **Development of a new modified wilhelmy balance for artificial surfactant research**
Akio Takahashi, Department of Pediatrics, Iwate Medical University, Japan
- O1A-26*** **Biophysical properties of artificial surfactants containing a synthetic surfactant protein analogue**
Satsuki Totsu, Department of Pediatrics, Iwate Medical University, Japan
- O1A-27** **Development of respiratory function in preterm infants with mild, moderate and severe BPD**
Andreas Jung, Department of Neonatology CCM, Charité - University Hospital Berlin, Germany

O1A-28 Correlation of nitrite levels in BAL to chronic lung disease of prematurity

Hsin Chun Huang, Chang Gung Children's Hospital, Taiwan

O1A-29 Increase of interleukin-6 in tracheal aspirate at birth: A predictor of bronchopulmonary dysplasia

Chang Won Choi, Department of Pediatrics, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Korea

O1A-30 Respiratory instability of preterm and sick term infants in car safety seats

Izumi Sakuma, Tokyo Women's Medical University School of Medicine, Japan

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14:50-16:20 Oral 05 Neonatology 2

Nem-Yun Boo, International Medical University of Malaysia, Malaysia

Hiroshi Nishida, Maternal & Perinatal Center, Tokyo Women's Medical University, Japan

O1A-31 Randomized controlled trial for the prevention of intraventricular hemorrhage by indomethacin

Satoshi Kusuda, Neonatal Research Network Japan, Japan

O1A-32 Correlation of serum carbonyl concentrations by HPLC with IVH in prematurity

Chan-Hoo Park, The Korean Pediatric Society, Korea

O1A-33 Cerebral hemodynamics during the induction of PVL by hemorrhagic hypotension in fetal sheep

Tadashi Matauda, Center for Perinatal Medicine, Tohoku University Hospital, Tohoku University Graduate School of Medicine, Japan

O1A-34 Quantification of cerebral Hb using near-infrared time-resolved spectroscopy in piglets

Takashi Kusaka, Kagawa University, Japan

O1A-35 Cerebral oxygenation and hemodynamics in anemic piglets using time-resolved spectroscopy

Kenichi Isobe, Kagawa University, Japan

O1A-36 The relationship of perinatal/neonatal factors and EEG findings in intrauterine growth retardation

Masahiro Hayakawa, Maternity and Perinatal Care Center, Nagoya University Hospital, Japan

O1A-37 Bilirubin encephalopathy and auditory brainstem responses

Funato Masahisa, Yodogawa Christian Hospital, Japan

O1A-38 The ASQ: a new developmental assessment tool for very low birth weight infants ≤ 1250 g

Suzanne Goh, KK Women's and Children's Hospital, Singapore

O1A-39 Percutaneously inserted central venous catheter in neonates. A nationwide survey in Japan

Yasushi Ohki, Department of Pediatrics and Developmental Medicine, Gunma University Graduate School of Medicine, Japan

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16:50-18:50 Oral 06 Neonatology 3

Zulfiqar Ahmed Bhutta, The Aga Khan University & Medical Center, Pakistan
Uday Govindrao Bodhankar, Indian College of Maternal and Child Health Pediatric Unit, India

16:50-17:20 Special Lecture (p.96)

Three out of four million newborn babies die every year from preventable causes: Can we rise to the challenge?

Zulfiqar Ahmed Bhutta, The Aga Khan University & Medical Center, Pakistan

O1A-40 Transmission of cytomegalovirus via breast milk in extremely preterm infant

Seiji Hayashi, Nagoya University Graduate School of Medicine, Department of Pediatrics/Developmental Pediatrics, Japan

O1A-41 Pain reduction in newborn infants: Oral glucose solution, EMLA cream & pacifiers

Sang Kee Park, Chosun University Medical College, Republic of Korea

O1A-42 Effects of metalloporphyrins on heme oxygenase expression in mice

Ichiro Morioka, Stanford University School of Medicine, USA

O1A-43 Vascular endothelial growth factor is a critical regulator of innate immunity in experimental sepsis

Po-Nien Tsao, Department of Pediatrics, National Taiwan University Hospital, Taiwan

O1A-44 IL-12 independent polarization of Th1 reaction in human mononuclear cells from umbilical cord blood

Hong-Ren Yu, Taiwan Pediatric Association, Taiwan

O1A-45 *B.breve* can enhance TGF- β 1 signaling by regulating Smad7 expression in preterm infants

Tohru Fujii, Juntendo University School of Medicine, Japan

O1A-46 Efficacy of low dose oral erythromycin for treatment of feeding intolerance in preterm infants

Pracha Nuntnarumit, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand

O1A-47 G6PD deficiency-related neonatal hyperbilirubinemia in Taiwan

Yi-Hao Weng, Chang Gung Children's Hospital, Taiwan

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9:20-10:30 Oral 07 Neurology 1

Takao Takahashi, Keio University School of Medicine, Japan
Masashi Mizuguchi, Graduate School of Medicine, The University of Tokyo, Japan

O1B-01 Advance of Rett syndrome research, from clinical to animal model

Toyojiro Matsuishi, Department of Pediatrics & Child Health, Kurume University School of Medicine, Japan

O1B-02 A novel *KCNQ2* mutation impairs the channel function while remains proper channel sorting

Shinichi Hirose, Department of Pediatrics, School of Medicine, Fukuoka University, Japan

O1B-03 Toxic effects of in utero dioxin exposure on neocortical histogenesis

Takayuki Mitsuhashi, Department of Pediatrics, School of Medicine, Keio University, Japan

- O1B-04** **Neuroprotective effect of melatonin against hypoxic-ischemic brain injury in neonatal rats**
Baik-Lin Eun, Department of Pediatrics, Korea University Medical School, Korea
- O1B-05** **EGCG enhances neurogenesis and neuronal proliferation in hippocampal slice culture of rat**
Soo Ahn Chae, Chung-Ang University, College of Medicine, Korea
- O1B-06** **White matter volume and anisotropy in preterm children: A pilot study of neurocognitive correlates**
Ada Yung, Department of Paediatrics and Adolescent Medicine, University of Hong Kong, Hong Kong
- O1B-07** **Clinical markers that enhance etiologic yield in global developmental delay (GDD)**
Brian Hon Yin Chung, The University of Hong Kong, China

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10:40-12:00 Oral 08 Neurology 2

Hardiono D. Pusponogoro, Faculty of Medicine, University of Indonesia, Indonesia
Ikuya Nonaka, National Center of Neurology and Psychiatry, Japan

- O1B-08*** **Delayed hypothermia, “latent phase” and neuronal injury in a piglet model of transient HI**
Osuke Iwata, Centre for Perinatal Brain Protection and Repair, Department of Paediatrics and Child Health, University College London, UK
- O1B-09** **Multilineage differentiation of adipose-derived stem cells harvested from GFP transgenic animals**
Juri Fujimura, Department of Pediatrics, Nippon Medical School, Japan
- O1B-10** **Potential of learning impairment of acetazolamide by amiloride in rats**
Ming-tao Yang, Department of Pediatrics, Buddhist Tzu Chi Xindan General Hospital, Taiwan, R.O.C.
- O1B-11** **Effect of lateral bending exercise on secondary scoliosis of physically handicapped children**
Kenji Shin, Department of Pediatrics, Ibaraki Prefectural University of Health Sciences, Japan
- O1B-12** **Clinical, pathological and genetic study on 223 patients with the mtDNA A3243G mutation**
Masakazu Mimaki, Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan
- O1B-13** **Direct repeats at the break points of deleted mitochondrial DNA in 142 myopathic patients**
Shintaro Yamashita, Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Japan
- O1B-14** **MELAS and L-arginine therapy**
Yasutoshi Koga, Department of Pediatrics and Child Health, Kurume University School of Medicine, Japan
- O1B-15** **Inappropriate cerebral circulation in MELAS was improved by L-arginine supplementation**
Junko Nishioka, Department of Pediatrics and Child Health, Kurume University School of Medicine, Japan

Genzyme Japan K.K.

13:20-14:20 Oral 09 Metabolic Diseases

Fumio Endo, Faculty of Medical and Pharmaceutical Sciences, Kumamoto University, Japan
Hiroyuki Ida, The Jikei University School of Medicine, Japan

- O1B-16*** **A novel exon due to a deletion in the dihydrolipoyl transacylase gene in MSUD affected Filipinos**
Catherine Lynn T. Silao, Institute of Human Genetics, National Institutes of Health Philippines; Department of Pediatrics, University of the Philippines-Philippine General Hospital, Philippines
- O1B-17** **Recent advances in the study for inborn errors of ketone body**
Toshiyuki Fukao, Graduate School of Medicine, Gifu University, Japan
- O1B-18** **New therapy of Menkes disease: Effect of copper and diethyldithiocarbamate combination therapy**
Hiroko Kodama, Teikyo University School of Medicine, Japan
- O1B-19** **Reliable prenatal diagnosis of organic acidemias simultaneously, GC/MS and ESI/MS/MS**
Yuki Hasegawa, Department of Pediatrics, Shimane University School of Medicine, Japan
- O1B-20** **Changes of lipids composition of peroxisome-deficient mutant CHO (Z65) cells**
Makiko Saitoh, Department of Pediatrics, Faculty of Medicine, University of Tokyo, Japan
- O1B-21** **Impact of intracellular magnesium on insulin resistance in neonates**
Junji Takaya, Department of Pediatrics, Kansai Medical University, Japan

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14:20-16:20 Oral 10 Endocrinology

Yoshiki Seino, Osaka Kosei-Nenkin Hospital, Japan
Osamu Arisaka, Dokkyo University School of Medicine, Japan

- O1B-22*** **Molecular basis of neonatal diabetes mellitus**
Shigeru Suzuki, Department of Pediatrics, Asahikawa Medical College, Japan
- O1B-23** **Susceptibility genes for type 1 diabetes in Japanese: Association studies on immuno-regulatory genes**
Kenji Ihara, Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Japan
- O1B-24** **Effects of HLA and CTLA4 gene polymorphisms on the development of type 1 diabetes in Korean children**
Min-Ho Jung, Department of Pediatrics, The Catholic University of Korea, Korea
- O1B-25** **Prevalence of MODY in Korean children and adolescents with T2DM**
Choong Ho Shin, Department of Pediatrics, Seoul National University, College of Medicine, Korea
- O1B-26** **Bone mineral density in human with thyrotropin receptor gene mutations**
Onigata Kazumichi, Gunma University Graduate School of Medicine, Japan
- O1B-27** **Hypothyroidism caused by iodine-deficient enteral nutritional formulas**
Hiroko Kodama, Teikyo University School of Medicine, Japan
- O1B-28** **Novel *GHI* gene mutations (Q94fsX132 and D142E) in a boy with moderate short stature**
Paravee Katavetin, Department of Endocrinology and Metabolism, National Research Institute for Child Health and Development, Japan

- O1B-29 Development of transgenic green fluorescent protein marker of steroidogenic acute regulatory protein**
Tomohiro Ishii, Department of Pediatrics, Keio University School of Medicine, Japan
- O1B-30 Genetic analysis of 57 Japanese patients with 21-hydroxylase deficiency**
Satomi Koyama, Dokkyo University School of Medicine, Japan
- O1B-31 Androgen receptor residue 754 in androgen insensitivity syndrome**
Rieko Tadokoro, Department of Pediatrics, Juntendo University, Japan
- O1B-32 Urinary NTX and CTx excretion in osteogenesis imperfecta: Useful marker for the prognosis**
Kosei Hasegawa, Department of Pediatrics, Okayama University, Japan
- O1B-33 Methylation-specific PCR for rapid molecular diagnosis of pseudohypoparathyroidism typeIb**
Kaori Kinoshita, Department of Pediatrics, Graduate School of Medicine, Chiba University, Japan

16:50-18:50 Oral 11 Genetic Diseases

Yu Lung Lau, The University of Hong Kong, Hong Kong
Kenjiro Kosaki, Keio University School of Medicine, Japan

- O1B-34* Mutation spectrum and strategy for genetic analysis in Japanese patients with Menkes disease**
Yan-Hong Gu, Teikyo University School of Medicine, China
- O1B-35 Screening for genetic metabolic disorders in the Philippines**
Eva Maria C. Cutiongco, Institute of Human Genetics, National Institutes of Health, Philippines
- O1B-36 Frameshift mutations in ATP7B gene cause severe liver dysfunction for Wilson disease patients**
Norikazu Shimizu, Second Department of Pediatrics, Toho University School of Medicine, Japan
- O1B-37 Common mutations in male patients with late-onset ornithine transcarbamylase deficiency**
Eimei Harada, St. Mary's Hospital, Japan
- O1B-38 Mutations in the tumor suppressor patched in 17 Japanese cases with Gorlin's syndrome**
Hideki Uchikawa, National Research Institute for Child Health and Development, Japan
- O1B-39 An ex vivo gene therapy approach for metachromatic leukodystrophy using neural progenitor cells**
Ken Kawabata, Department of Pediatrics, Nippon Medical School, Japan
- O1B-40 A major influence of CYP2C19 genotype on the steady-state concentration of N-desmethyloclobazam**
Sachiko Shimosato, Keio University School of Medicine, Japan
- O1B-41 Thrombophilic predispositions in malformation syndromes secondary to vascular accidents**
Chun-Hui(Anne)Tsai, University of Colorado School of Medicine, The Childrens Hospital, USA
- O1B-42 The onset of adolescence of patients with Down syndrome compared with the siblings**
Takako M. Takano, Tokyo Kasei University, Japan
- O1B-43 Genetics of Chediak-Higashi syndrome, a multi-organellar disorder of intracellular traffic**
Mohammad A. Karim, Department of Pediatrics, University of Arkansas for Medical Sciences, USA
- O1B-44 Role of molecular diagnosis of clinically recognizable syndromes by exon scanning with dHPLC**
NiChung Lee, Department of Medical Genetics and Pediatrics, National Taiwan University Hospital and National Taiwan University School of Medicine, Taiwan
- O1B-45 DHPLC analysis as a platform for clinical molecular diagnostic services**
Kenjiro Kosaki, Department of Pediatrics, Keio University School of Medicine, Japan