

Invited Lecture

November, 6 (Fri.) 13 : 25 ~ 14 : 15 Room 1 (Kitakyushu Messe, 1F, Exhibition Hall B)

Chair Yukiyo Yamamoto (Department of Medical Education, School of Medicine, University of Occupational and Environmental Health)

Endocrine Aspects of the Diagnostic Evaluation of Pediatric Obesity : New Evidence and Recommendations from an International Guideline

Erica L.T. Van den Akker

Erasmus University Medical Center- Sophia Children's Hospital

KSPE-JSPE Plenary Lecture

November, 7 (Sat.) 10 : 30 ~ 11 : 00 Room 1 (Kitakyushu Messe, 1F, Exhibition Hall B)

Chair Kenichi Kashimada (Department of Endocrinology and Metabolism, National Center for Child Health and Development)

Recent Advances in the Genetic Etiologies of Central Precocious Puberty

Hae Sang Lee

Department of Pediatrics, Ajou University School of Medicine, Ajou University Hospital

Sweets Seminar 1

November, 5 (Thu.) 15 : 40 ~ 16 : 30 Room 4 (Kitakyushu International Conference Center, 2F, Meeting Room 21)

Co-sponsored by: JCR Pharmaceuticals Co., Ltd.

Chair Noriyuki Namba (Division of Pediatrics and Perinatology, Tottori University Faculty of Medicine)

SWS1 Growth disorders and recent updates in growth hormone therapy in Europe.

Erica van den Akker

Erasmus University Medical Center – Sophia Children's Hospital

English Oral Session 1

November, 5 (Thu.) 10 : 40 ~ 11 : 30 Room 5 (Kitakyushu International Conference Center, 3F, Meeting Room 32)

Chairs Tsutomu Ogata (Hamamatsu Medical Center)

Asako Tajima (Dept. of Pediatr. and Dev. Biol., Inst. of Science Tokyo.)

EO1-1 Erythropoietin improves hepatic inflammation and metabolism via sEH-epoxide pathway in obese mice

Goda Takeshi ¹, Chiharu Cho ¹, Madoka Konishi ¹, Nozomi Inoue ¹, Satoshi Miyagaki ¹, Yasuhiro Kawabe ¹, Hisakazu Nakajima ¹, Masakazu Shinohara ², Satoru Sugimoto ¹

¹ Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine,

² The Integrated Center for Mass Spectrometry, Kobe University Graduate School of Medicine

EO1-2 Therapeutic knock-in genome editing in mouse model of Ornithine Transcarbamylase Deficiency

Batjargal Khishigjargal¹, Tomoki Togashi¹, Yuji Kashiwakura^{1,2},
Nemekhbayar Baatartsogt^{1,2}, Kosuke Tsuchida¹, Takahiro Sato^{1,3}, Morisada Hayakawa^{1,2},
Kiwako Tsukida^{2,4}, Kazuhiro Muramatsu^{2,4}, Atsushi Hoshino⁵, Osamu Nureki⁶,
Tsukasa Ohmori^{1,2}

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² Center for Gene Therapy Research, Jichi Medical University, Shimotsuke, Japan,

³ Department of Surgery, Jichi Medical University, Shimotsuke, Japan,

⁴ Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan,

⁵ Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine,
Kyoto,

⁶ Department of Biological Sciences, Graduate school of Science, The University of Tokyo,
Tokyo

EO1-3 **PROGRES 2.0 : Observational cohort study of patients receiving weekly somatogron or daily Genotropin®**

Lisette M. Céspedes¹, Dominika Janus², Evelien Gevers³, S. Faisal Ahmed⁴, Thomas Edouard⁵, Suet Ching Chen⁶, Aristides Maniatis⁷, Violeta Iotova⁸, Primož Kotnik⁹, Marta Ciaccio¹⁰, Abdulmoein Al Agha¹¹, Anne-Sophie Lambert¹², Annie Leong¹³, Bradley S. Miller¹⁴, Elena Lundberg¹⁵, Malgorzata Wasniewska¹⁶, Mariam Oniani¹⁷, Maxime Gerard¹⁸, Shenali Anne Amaratunga¹⁹, Michael P. Wajnrajch^{1,20}

¹ Pfizer Inc, New York, NY, USA,

² Department of Pediatric and Adolescent Endocrinology, Jagiellonian University Medical College, University Children`s Hospital, Krakow, Poland,

³ Centre for Endocrinology, William Harvey Research Institute, John Vane Science Center, Queen Mary University of London, London UK, and Dept of Paediatric Endocrinology, Barts Health NHS Trust – Royal London Hospital, London, UK,

⁴ Office for Rare Conditions Registries, School of Medicine, University of Glasgow, Glasgow, United Kingdom,

⁵ Endocrine, Bone Diseases and Genetics Unit, Reference Centre for Rare Growth Disorders, CRESCENDO–FIRENDO network, Endo-ERN, Paediatric Research Unit CIC 1436, Children`s Hospital, Toulouse University Hospital, Toulouse, France,

⁶ Royal Hospital for Children, Developmental Endocrinology Research Group, School of Medicine, University of Glasgow, Glasgow, United Kingdom,

⁷ Rocky Mountain Pediatric Endocrinology, Centennial, CO, USA,

⁸ Department of Pediatrics, Medical University of Varna, UMHAT “Sv. Marina”, Varna, Bulgaria,

⁹ Department of Endocrinology, Diabetes and Metabolic Diseases, University Children`s Hospital, University Medical Centre Ljubljana and Department of Pediatrics, Medical Faculty, University of Ljubljana, Ljubljana, Slovenia,

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¹¹ Endocrine Care Academy and Clinical Services, Jeddah, Saudi Arabia,

¹² APHP, Paediatric Endocrinology Unit, Hospital Bicetre, Le Kremlin Bicetre, France,

¹³ Paediatric Endocrinology Unit, University Malaya Medical Centre, University Malaya, Kuala Lumpur, Malaysia,

¹⁴ Division of Endocrinology, Department of Pediatrics, University of Minnesota Medical School, M Health Masonic Children`s Hospital, Minneapolis, MN, USA,

¹⁵ Institution of Clinical Sciences, Pediatrics, Umeå University, Umeå, Sweden,

¹⁶ Department of Human Pathology of Adulthood and Childhood, University of Messina, Messina, Italy,

¹⁷ M. Iashvili Children Central Hospital, Tbilisi, Georgia,

¹⁸ Service de Pédiatrie, Hôpital Ambroise Paré, Boulogne Billancourt, France,

¹⁹ Department of Paediatrics, Second Faculty of Medicine, Charles University, Motol and Homolka University Hospital, Prague, Czech Republic,

²⁰ New York University Grossman School of Medicine, New York, NY, USA

EO1-4 Vosoritide Increases Growth Velocity in Children With Hypochondroplasia : Phase 3 Trial Results

Namba Noriyuki ¹, Andrew Dauber ^{2,3}, Ravi Savarirayan ^{4,5,6}, Philippe M. Campeau ⁷, Ricki Carroll ⁸, Moira Cheung ⁹, Valérie Cormier-Daire ¹⁰, Josep M. De Bergua ¹¹, Thomas Edouard ¹², Michaela V. Gonfiantini ¹³, Julie Hoover-Fong ¹⁴, Peter Kanny ¹⁵, Yutaka Kinoshita ¹⁶, Takuo Kubota ^{17,18}, Roberto Mendoza-Londono ¹⁹, Yasuhisa Ohata ¹⁷, Roberta Onesimo ²⁰, Katja Palm ²¹, Carlos Prada ^{22,23}, Rachel Reynaud ²⁴, Massimiliano Rossi ²⁵, Oliver Semler ²⁶, Kei Takasawa ²⁷, Roberto Bassi ²⁸, Sajda Ghani ²⁹, Alice Huntsman Labe ²⁹, Dane Osmond ²⁸, Ian Sabir ²⁹, Jeanette White ²⁸, Mohamad Maghnie ^{30,31}

¹ Division of Pediatrics and Perinatology, Faculty of Medicine, Tottori University, ² Division of Endocrinology, Children's National Hospital, ³ Department of Pediatrics, The George Washington University School of Medicine and Health Sciences, ⁴ Molecular Therapies, Murdoch Children's Research Institute, ⁵ Royal Children's Hospital, ⁶ Department of Pediatrics, University of Melbourne, ⁷ Centre Hospitalier Universitaire Sainte-Justine Research Center, ⁸ Department of Pediatrics, Nemours Children's Hospital, ⁹ NIHR Great Ormond Street Hospital Biomedical Research Centre, University College London, ¹⁰ Department of Genomic Medicine for Rare Diseases, Reference Center for Skeletal Dysplasia, Necker-Enfants Malades Hospital, Paris Cité University, INSERM UMR 1163, Imagine Institute, ¹¹ Arthroscopic Surgery Unit, MIKS Hospital, ¹² Endocrine, Bone Diseases and Genetics Unit, Reference Center for Rare Growth and Bone Disorders, OSCAR and CRESCENDO Network, ERN-BOND and Endo-ERN, Paediatric Research Unit CIC 1436, Children's Hospital, Toulouse University Hospital, ¹³ Rare Diseases and Medical Genetics Unit, Bambino Gesù Children's Hospital, IRCCS, ¹⁴ Johns Hopkins University School of Medicine, ¹⁵ University of Alberta-Stollery Children's Hospital, ¹⁶ Department of Orthopedics, Institute of Biomedical Sciences, Tokushima University, Tokushima, Japan, ¹⁷ Department of Pediatrics, Graduate School of Medicine, The University of Osaka, Suita, Japan, ¹⁸ Department of Pediatric Nephrology and Metabolism, Osaka Women's and Children's Hospital, Osaka Prefectural Hospital Organization, Izumi, Japan, ¹⁹ Division of Clinical and Metabolic Genetics, Department of Pediatrics, The Hospital for Sick Children and University of Toronto, Toronto, ON, Canada, ²⁰ Pediatric Unit, Fondazione Policlinico Universitario A. Gemelli IRCCS, and Catholic University of Sacred Heart, Rome, Italy, ²¹ Department of Pediatrics, Faculty of Medicine and University Hospital, Otto von Guericke University Magdeburg, Magdeburg, Germany, ²² Edwards Family Division of Genetics and Rare Diseases, Ann & Robert H. Lurie Children's Hospital, Chicago, IL, USA, ²³ Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL, USA, ²⁴ Aix-Marseille University, APHM, INSERM, MMG, UMR 1251, Multidisciplinary Pediatric Department, La Timone Children's Hospital, Marseille, France, ²⁵ Genetics Department, Reference Center for Skeletal Dysplasias, Femme Mère Enfant Hospital, Hospices Civils de Lyon, and INSERM U1028, CNRS UMR5292, Lyon Neuroscience Research Centre, GENDEV Team, Claude Bernard Lyon 1 University, Lyon, France, ²⁶ Department of Pediatrics, Faculty of Medicine and University Hospital Cologne, University of Cologne, Cologne, Germany, ²⁷ Department of Pediatrics and Developmental Biology, Institute of Science Tokyo, Tokyo, Japan, ²⁸ BioMarin Pharmaceutical Inc., San Rafael, CA, USA, ²⁹ BioMarin (UK) Ltd, London, UK, ³⁰ Department of Pediatrics, IRCCS Giannina Gaslini, Genoa, Italy, ³¹ Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, University of Genoa, Genoa, Italy

- EO1-5 Clinical trials of infigratinib in Achondroplasia : PROPEL3, AOBA, and PROPEL I & T**
 Takuo Kubota ¹, Daniela Rogoff ², Yu Sato ³, Keiichi Ozono ⁴
¹ Osaka Prefectural Hospital Organization Osaka Women's and Children's Hospital,
² BridgeBio Pharma Inc., ³ Kyowa Kirin Co., Ltd.,
⁴ Center for Promoting Treatment of Intractable Diseases, ISEIKAI International General Hospital
- EO1-6 Once-weekly Somapacitan in Children with Turner Syndrome (REAL8) : a Randomised, Phase 3 Trial**
 Kenichi Kashimada ¹, Nelly Mauras ², Claudia Boettcher ³, Michael Hojby ⁴, Kamil Soltysik ⁴,
 Alexander A. L. Jorge ⁵, Agnes Linglart ⁶, Xiaoping Luo ⁷, Philip G. Murray ^{8,9},
 Philippe Backeljauw ¹⁰
¹ National Center for Child Health and Development (NCCHD),
² Nemours Children's Health, Jacksonville, FL, United States of America,
³ Paediatric Endocrinology and Diabetology, Julie-von-Jenner Haus, University of Bern Faculty of Medicine, Bern, Switzerland,
⁴ Novo Nordisk A/S, Soborg, Denmark,
⁵ Genetic Endocrinology Unit (LIM25) , Hospital das Clinicas da Faculdade de Medicina da Universidade de Sao Paulo (HC-FMUSP) , Brazil,
⁶ Universite Paris Saclay, Inserm, AP-HP, Service Endocrinologie et diabete de l'enfant, Hopital Bicetre Paris-Saclay, Le Kremlin-Bicetre, France,
⁷ Department of Pediatrics Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan Hubei, China,
⁸ Division of Developmental Biology and Medicine, Faculty of Biology, Medicine and Health, University of Manchester, UK,
⁹ Department of Paediatric Endocrinology, Royal Manchester Children's Hospital, Manchester, UK,
¹⁰ Division of Endocrinology, Department of Pediatrics, Cincinnati Children's Hospital Medical Center, University of Cincinnati College of Medicine, Cincinnati, OH, USA.

English Oral Session 2

November, 6 (Fri.) 8 : 20 ~ 9 : 00 Room 5 (Kitakyushu International Conference Center, 3F, Meeting Room 32)

Chairs Satoru Sugimoto (Department of Pediatrics, Kyoto Prefectural University of Medicine)
 Yukihiro Hasegawa (Tokyo Metropolitan Children's Medical Center)

EO2-1 Local, Global, Synergy in Adolescent Obesity : A Korea-Japan 30-Year Policy Simulation Model

Kim Dong Hyun ¹, Young Se Kwon ^{1,2}, Jisun Park ^{1,2}, Hyo-Bin Kim ^{1,2}

¹ Department of Pediatrics, Inha University College of Medicine,

² Specialized Public Medical Center for Children, Inha University Hospital

EO2-2 Weight Category Improvement Following Setmelanotide in Pediatric Patients with Acquired Hypothalamic Obesity

Miller Jennifer ¹, Hanneke M van Santen ², Susan A Phillips ³, Jill Hamilton ⁴, Shana McCormack ⁵, Megan Kelsey ⁶, Ashley Shoemaker ⁷, Cecilia Scimia ⁸, Guojun Yuan ⁸, Christian L Roth ⁹

¹ Pediatric Endocrinology, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, FL, USA,

² Princess Máxima Center for Pediatric Oncology, Utrecht, The Netherlands and the Department of Pediatric Endocrinology, Wilhelmina Children's Hospital, University Medical Center Utrecht, Utrecht, The Netherlands,

³ Pediatric Endocrinology, Rady Children's Hospital/University of California San Diego, San Diego, CA, USA,

⁴ Division of Endocrinology, Hospital for Sick Children, Department of Pediatrics, University of Toronto, Toronto, ON, Canada,

⁵ Division of Endocrinology and Diabetes, Children's Hospital of Philadelphia, Philadelphia, PA, USA and Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA,

⁶ Department of Pediatrics, University of Colorado Anschutz Medical Campus, Aurora, CO, USA,

⁷ Vanderbilt University Medical Center, Nashville, TN, USA,

⁸ Rhythm Pharmaceuticals, Inc., Boston, MA, USA,

⁹ Seattle Children's Hospital, University of Washington, Seattle, WA, USA

EO2-3 LONG-TERM EFFICACY WITH SETMELANOTIDE IN PEDIATRIC PATIENTS WITH ACQUIRED HYPOTHALAMIC OBESITY

Shoemaker Ashley H ¹, Christian L Roth ², Susan A Phillips ³, Jennifer Miller ⁴, Guojun Yuan ⁵, Cecilia Scimia ⁵, M. Jennifer Abuzzahab ⁶

¹ Vanderbilt University Medical Center, Nashville, TN, USA,

² Seattle Children's Hospital, University of Washington, Seattle, WA, USA,

³ Pediatric Endocrinology, Rady Children's Hospital/University of California San Diego, San Diego, CA, USA,

⁴ Pediatric Endocrinology, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, FL, USA,

⁵ Rhythm Pharmaceuticals, Inc., Boston, MA, USA,

⁶ Children's Minnesota, St. Paul, MN, USA

EO2-4 Serum vitamin D and Muscle-to-Fat Imbalance in Korean Adolescents : KNHANES 2022-2023

Lee Da Hye ^{1,2}, Jae Hyeon Park ³

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² Department of Pediatrics, Chung-Ang University College of Medicine,

³ Department of Laboratory Medicine, Seoul National University Hospital

English Oral Session 3

November, 6 (Fri.) 9 : 00 ~ 9 : 40 Room 5 (Kitakyushu International Conference Center, 3F, Meeting Room 32)

Chairs Kimitoshi Nakamura (Department of Pediatrics, Kumamoto University)

Chikahiko Numakura (Department of Clinical Genomics, Saitama Medical University)

EO3-1 Reference intervals for serum adrenal steroids in early infancy using microbore UPLC-MS/MS

KIM KA YOUNG¹, Yun Jeong Lee², Min Jee Kim³, Joon Hee Lee⁴, Hwa Young Kim⁵, Jaehyun Kim⁵, Choong Ho Shin², Junghan Song⁴, Kyunghoon Lee⁴, Young Ah Lee²

¹ Department of Pediatrics, Catholic Kwandong University International St. Mary's Hospital, Incheon,

² Department of Pediatrics, Seoul National University Children's Hospital, Seoul,

³ Integrated & Respite Care Center for Children, Seoul National University Hospital, Seoul,

⁴ Department of Laboratory Medicine, Seoul National University Bundang Hospital, Seongnam,

⁵ Department of Pediatrics, Seoul National University Bundang Hospital, Seongnam

EO3-2 Severe respiratory distress as an initial presentation of neonatal Graves' Disease

Keitaro Ishikura, Michihiko Ueno, Keiji Haseyama, Shuji Sai

Department of Pediatrics, Teine-Keijinkai Hospital

EO3-3 Childhood Type 1 Diabetes Forecasts After Rotavirus Vaccination in Korea

Park Jisun^{1,2}, Young Se Kwon^{1,2}, Dong Hyun Kim^{1,2}, Hyo-Bin Kim^{1,2}

¹ Department of Pediatrics, Inha University College of Medicine,

² Specialized Public Medical Center for Children, Inha University Hospital

EO3-4 Reclassification from Type 1 to Type 2 Diabetes in an Adolescent Girl

Miyagi Hajime

Tokyo Rinkai Hospital

English Oral Session 4

November, 7 (Sat.) 11 : 05 ~ 12 : 05 Room 5 (Kitakyushu International Conference Center, 3F, Meeting Room 32)

Chairs Junko Ito (Tokyo Kasei University)

Shinichiro Sano (Department of Diabetes and Metabolism, Shizuoka Children's Hospital)

EO4-1 Treatment and Genetic Determinants of Short Adult Height in Childhood Cancer Survivors

Tomoko Yoshida¹, Jessica L. Baedke², Fan Wang³, Kerry Ye³, Yan Chen³, Wonjong Moon³, Yadav Sapkota³, José Miguel Martínez², Thomas E. Merchant⁴, Carmen L. Wilson³, Shizue Izumi⁷, Gregory T. Armstrong³, Kirsten K. Ness³, Melissa M. Hudson^{3,5}, Angela Delaney^{3,6}, Yutaka Yasui³

¹ Department of Social Medicine, National Center for Child Health and Development,

² School of Public Health, University of Alberta,

³ Department of Epidemiology and Cancer Control, St. Jude Children's Research Hospital,

⁴ Department of Radiation Oncology, St. Jude Children's Research Hospital,

⁵ Departments of Oncology, St. Jude Children's Research Hospital,

⁶ Departments of Pediatric Medicine-Endocrinology, St. Jude Children's Research Hospital,

⁷ School of Data Sciences, Shiga University

EO4-2 Pediatric Cystic Prolactin-Producing PitNET Successfully Treated with Cabergoline

Tomoki Kamiyama, Ichiki Okumura, Mika Dofuku, Sachie Nakamura, Toshihiro Tajima

Department of Pediatrics, Jichi Medical University

- EO4-3 Single-cell transcriptomics reveals paradoxical leukemia expansion in prednisolone-resistant T-ALL**
 Sai Shuji ^{1,2}, Masataka Hasegawa ³, Jutaro Abe ³, Shinsuke Hirabayashi ³, Atsushi Manabe ^{2,3}
¹ Institute for Genetic Medicine, Hokkaido University,
² Department of Pediatrics, Teine-Keijinkai Hospital,
³ Department of Pediatrics, Hokkaido University
- EO4-4 Medical Treatment Decisions in 11 Patients with Achondroplasia**
 Morikawa Shuntaro ¹, Yamagata Daiki ¹, Endo Megumi ¹, Hishimura Nozomi ¹, Yamaguchi Takeshi ^{1,2}
¹ Dept. of Pediatr., Hokkaido Univ. Sch. of Med.,
² Ctr. for Environ. and Health Sci., Hokkaido Univ.
- EO4-5 Somapacitan in Children Born Small for Gestational Age: 2-Year REAL8 Results with Switch from Daily GH**
 Kenichi Kashimada ¹, Aristides Maniatis ², Volker Bottcher ³, Michael Hojby ⁴, Xinran Cheng ⁵, Carlos Alberto Longui ⁶, Lawrence Silverman ⁷, Kamil Soltysik ⁴, Agnes Linglart ⁸
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⁸ Universite Paris-Saclay, Inserm, AP-HP, Service d'Endocrinologie et diabete de l'enfant, Hopital Bicetre Paris Saclay, F-94270 Le Kremlin-Bicetre, France.
- EO4-6 Designing phase III study of umedaptanib pegol (anti-FGF2 RNA aptamer) in children with achondroplasia**
 Kenichi Kashimada ^{1,2,3,4,5,6,7,8}, Jun Mori ², Kayo Ozaki ³, Yuki Hosokawa ⁴, Kei Takasawa ⁵, Asako Tajima ⁶, Yosuke Nonaka ⁷, Yoshikazu Nakamura ⁷, Keiichi Ohzono ⁸
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⁶ Department of Pediatrics, Institute of Science Tokyo Hospital, ⁷ RIBOMIC Inc.,
⁸ Professor Emeritus, Osaka University