Invited Lecture

November, 2(Wed.) 17:05 ～ 17:45　Room 1 (1F G2)

Chair　Tomonobu Hasegawa（Department of Pediatrics, Keio University School of Medicine）

Molecular causes of primary adrenal insufficency

John C. Achermann

UCL GOS Institute of Child Health, University College London, London, United Kingdom

KSPE-JSPE Plenary Lecture

November, 2(Wed.) 10:00 ～ 10:40　Room 1 (1F G2)

Chair　Reiko Horikawa（Division of Endocrinology and Metabolism, National Center for Child Health and Development）

2022 Clinical Practice Guidelines for Central Precocious Puberty in Korea

Ji Eun Lee

Department of Pediatrics, division of Pediatric Endocrinology & metabolism,
Inha University Hospital, Inha university medical school

Luncheon Seminar 2

November, 1(Tue.) 12:00 ～ 12:50　Room 2 (3F G301+302)

Chair　Tomonobu Hasegawa（Department of Pediatrics, Keio University School of Medicine）

IGFs and Growth Hormone Insensitivity: A Personal Voyage

Ron Rosenfeld

Professor and Chair of Pediatrics (emeritus), Oregon Health & Science University;
Professor of Pediatrics (emeritus), Stanford University

Cosponsored by Ascendis Pharma, Inc.

English Oral Session 1　diabetes and others

November, 2(Wed.) 8:40 ～ 9:50　Room 4 (3F G304)　Ⓛ◎

Chairs　Tatsuhiko Urakami（Urakami Pediatric Endocrinology and Diabetes Clinic）
Misa Honda（Department of Pediatrics, Keio University School of Medicine）

EO1-1　Two sibling with LRBA deficiency presenting fulminant Type1 diabetes mellitus in infancy

Dai Suzuki[1], Eriko Totsune[1], Tomohiro Nakano[1], Akinobu Miura[1,2], Hirohito Shima[1], Sayaka Kawashima[1], Ikumi Umeki[1,3], Youji Sasahara[1], Junko Kanno[1]

[1]Dept. of Pediatr., Tohoku Univ. Sch. of Med., [2]Dept. of Pediatr., Sendai City Hosp., [3]Dept. of Pediatr., Iwate Pref. Central Hosp.

EO1-2　A case with a heterozygous protein-truncating *RFX6* variant diagnosed in the early stage of diabetes

Kazuhisa Akiba[1,2,3], Hiroaki Zukeran[1,3], Yukihiro Hasegawa[1,4]

[1]Div. of Endorinol. Metab., TMCMC., [2]Dept. of Mol. Endocrinol., NCCHD., [3]Dept. of Pediatr., Keio Univ. Sch. of Med., [4]Dept. of Pediatr., Tama-Hokubu Med. Cent.

EO1-3　Efficacy and Safety of Dapagliflozin in Young Adults with Type 1 Diabetes Mellitus

Misa Honda[1,2], Noboru Uchida[3], Tomohiro Ishii[1], Tomonobu Hasegawa[1], Goro Sasaki[2]

[1]Dept. of Pediatr., Keio Univ. Sch. of Med., [2]Tokyo Dental College Ishikawa Gneral Hosp., [3]Saiseikai Utsunomiya Hosp.

EO1-4 Experiences of Caregivers of Children and Young Adults with Type 1 Diabetes Related to Severe Hypoglycemia and Being Prepared with Nasal Glucagon - A Qualitative Study

Allyson Hughes[1], Emily Hankosky[2], Jiat Ling Poon[2], Katherine Chapman[1], Mark R Vanderwel[3], Jeoffrey Bispham[1], Wendy Wolf[1], Beverly Falcon[2], Julie A Settles[2], Christopher J Child[2], Makoto Imori (non-author presenter)[4]

[1]T1D Exchange, [2]Eli Lilly and Company, [3]Pediatric Endocrinology and Diabetes Specialists, [4]Eli Lilly Japan K.K.

EO1-5 A heterozygous familial hypercholesterolemia infant with a high polygenetic risk score showed severe high LDL-cho

Hirohito Shima[1], Kotaro Tayama[1], Tomohiro Nakagawa[1], Sayaka Kawashima[1], Dai Suzuki[1], Masaki Matsubara[2,3], Junko Kanno[1]

[1]Dept. of Pediatr., Tohoku Univ. Hosp.,
[2]Dept. of Diabetes and Lipid Metab., Natl. Cereb. and Cardiovasc. Ctr. Res. Inst.,
[3]Dept. of Gen. Med., Nara Med. Univ.

EO1-6 Peripheral glucocorticoid metabolism may predict patient severity in PICU

Shuji Sai[1], Soichiro Wada[1], Shigetoshi Ogiwara[1], Takuya Tamura[1], Karen Chapman[2]

[1]Dept. of Pediatr., Teine-Keijinkai Hosp., [2]QMRI, Univ. of Edinburgh

EO1-7 Achievement of Developmental Milestones Recorded in Real Time: A Mobile App-Based Study

Keiko Matsubara[1], Satoshi Narumi[1], Tomoyuki Hattori[2]

[1]Dept. of Molecular Endocrinology, National Research Institute for Child Health and Development, [2]First-Ascent Inc.

English Oral Session 2 growth, puberty and others

November, 2(Wed.) 14:30 ～ 15:30 Room 4 (3F G304) ⓁⓄ

Chairs Masayo Kagami (Department of Molecular Endocrinology, National Research Institute for Child Health and Development)
Asako Tajima (Division of Endocrinology and Metabolism, Saitama Children's Medical Center)

EO2-1 Zinc deficiency may affect to phenotypes of Trichorhinophalangeal syndrome type I harboring a novel *TRPS1* Variant

Hideaki Yagasaki[1], Koji Kobayashi[1], Hiromune Narusawa[1], Daisuke Watanabe[1], Mie Mochizuki[1], Kazumasa Sato[1], Tomoaki Sano[1], Hiroshi Mitsui[2], Masanori Ota[1], Takeshi Inukai[1]

[1]Dept. of Pediatr., Yamanashi Univ. Sch. of Med.,
[2]Dept. of Dermatr., Yamanashi Univ. Sch. of Med.

EO2-2 Outcomes in growth hormone-treated Noonan syndrome children: impact of PTPN11 mutation status

Alexander AL Jorge[1], Alberto Pietropoli[2], Nicky Kelepouris[3], Reiko Horikawa[4]

[1]Unidade de Endocrinologia-Genetica, LIM/25, Disciplina de Endocrinologia da Faculdade de Medicina da Universidade de Sao Paulo,
[2]Novo Nordisk Health Care AG, [3]Novo Nordisk Inc.,
[4]Div. Endocrinol. Metab., Nat. Cent. for Child Health and Development

EO2-3 Molecular and clinical studies in 76 patients with central precocious puberty

Hiromune Narusawa[1,2], Keisuke Nagasaki[3], Hideaki Yagasaki[2], Yasuhiro Naiki[4], Shinichiro Sano[5], Tomohiro Saito[6], Shun Soneda[7], Shintaro Terashita[8], Saori Kinjo[9], Mitsukazu Mamada[10], Sumito Dateki[11], Satoshi Narumi[1], Reiko Horikawa[4], Tsutomu Ogata[12], Maki Fukami[1], Masayo Kagami[1]

[1]Dept. Molecular Endocrinology, National Center for Child Health and Development, [2]Dept. Pediatr., Univ. Yamanashi., [3]Dept. Pediatr., Niigata Univ. Sch. Med. and Dent. Sciences, [4]Div. of Endocrinology and Metabolism, National Center for Child Health and Development, [5]Dept. Pediatr Endo., Shizuoka Children's Hosp., [6]Dept. Pediatr., Yamanashi prefectural central Hosp., [7]Tanaka Growth Clinic, [8]Dept. Pediatr., Faculty of Medicine Univ. Toyama., [9]Dept. Pediatr., Okinawa Chubu Hosp., [10]Dept. Pediatr., Tango Central Hosp., [11]Dept. Pediatr., Nagasaki Univ., [12]Dept. Pediatr., Hamamatsu Medical Center.

EO2-4 Array comparative genomic hybridization is useful for diagnosis of Turner syndrome with unbalanced translocation

Akie Nakamura[1], Shuntaro Morikawa[1], Takeshi Yamaguchi[1], Nozomi Hishimura[1], Kanako Nakayama[1], Naoya Kaneko[1], Katsura Ishizu[2]

[1]Dept. of Pediatr., Hokkaido Univ. Sch. of Med., [2]Kids Forest clinic

EO2-5 A case of Beckwith-Wiedemann syndrome with ACTH-independent Cushing's syndrome

Hiroko Yagi[1], Tomohiko Sato[1], Ken Higashimoto[2], Hidenobu Soejima[2], Kiminori Terui[1]

[1]Dept. of Pediatr., Hirosaki Univ. Sch. of Med., [2]Dept. of Biomol. Sci., Saga Univ. Sch. of Med.

EO2-6 The high incidence of vitamin D deficiency in Hokkaido, especially Wakkani-Soya district, a high-latitude region of Japan

Yusuke Tanahashi[1], Shinsuke Fukui[1], Takamasa Miyoshi[1], Hideki Tamaru[1], Yuki Sasaki[1], Tomoka Tsubota[1], Takahide Kokumai[2], Shigeru Suzuki[2]

[1]Dept. of Pediatr, Wakkkani City Hosp., [2]Dept. of Pediatr., Asahikawa Univ. Sch. of Med.

Web Poster Session 1 English Poster

November, 1(Tue.) 17:05 ~ 18:10 Zoom Breakout Room (web Poster Session Room 1) ⓁⓄ

Chairs Kenichi Kashimada（Department of Developmental Biology and Pediatrics, Tokyo Medical and Dental University）
Akie Nakamura（Department of Pediatrics, Hokkaido University School of Medicine）
Noriyuki Namba（Division of Pediatrics and Perinatology, Tottori University Faculty of Medicine)

WP1-1-1 A case short stature case with a novel pathological variant of BMP2

Yogi Analia, Ryosei Iemura, Hisae Nakatani, Kei Takasawa, Kenichi Kashimada
Dept. of Pediatr. and Developmental Biology, Tokyo Medical and Dental Univ.

WP1-1-2 MODY With GCK Gene Heterozygous Missense Variant

Mazidah Noordin[1,2], Atsushi Hattori[3], Maki Fukami[3], Reiko Horikawa[1]

[1]Div. of Endocrinology, National Center for Child Health & Development (NCCHD), Tokyo, Japan,
[2]Dept. of Pediatr., Faculty of Medicine, Universiti Teknologi MARA (UiTM), Sungai Buloh Campus, Selangor, Malaysia
[3]Div. of Molecular Endocrinology, National Center for Child Health and Development (NCCHD), Tokyo, Japan

WP1-1-3 Seasonal variation in vitamin D status of infants born in Saitama City emerges at 2 months of age

Keigo Takahashi[1,2], Takeshi Arimitsu[3], Kaori Hara-Isono[3], Kazushige Ikeda[2]
[1]Dept. of Pediatr., Washington Univ. in St. Louis,
[2]Div. of Neonat., Dept. of Pediatr., Saitama City Hosp.,
[3]Dept. of Pediatr., Keio Univ. Sch. of Med.

WP1-1-4 A real-world study of persistence with daily growth hormone therapy among children with growth hormone deficiency in Japan

Jane Loftus[1], Jenifer Wogen[2], Darrin Benjumea[2], Priti Jhingran[2], Yong Chen[3], Jose Alvir[4], Michael Wajnrajch[4,5]
[1]Pfizer, Walton Oaks, UK, [2]Genesis Research, Hoboken, NJ, USA,
[3]Pfizer Inc, Collegeville, PA, USA, [4]Pfizer Inc, New York, NY, USA,
[5]New York Univ. Grossman Sch. of Med., New York, NY, USA

WP1-1-5 Growth outcomes from phase 2 and phase 3 studies of once-weekly somatrogon vs once-daily genotropin in pediatric patients with growth hormone deficiency: comparisons with literature and a growth study database

Zvi Zadik[1], Jose Cara[2], Martin Carlsson[2], Michael Wajnrajch[2,3], Ronnie Wang[4], Ron Rosenfeld[5]
[1]Pediatric Endocrinology, Kaplan Medical Center, Rehovot, Israel,
[2]Pfizer Inc, New York, NY, USA,
[3]New York Univ. Grossman Sch. of Med., New York, NY, USA,
[4]Pfizer Inc, Groton, CT, USA, [5]Oregon Health and Science Univ., Portland, OR, USA

WP1-1-6 Efficacy and safety of once-weekly somatrogon in pediatric subjects with growth hormone deficiency: lack of impact of anti-drug antibodies

Cheri Deal[1], Lawrence Silverman[2], Joan Korth-Bradley[3], Carl Roland[4], Carrie Taylor[5], Jose Cara[5], Michael Wajnrajch[5,6]
[1]Centre de recherche CHU Ste-Justine, Université de Montréal, Montréal, Canada,
[2]Goryeb Children's Hosp., Atlantic Health System, Morristown, NJ, USA,
[3]Pfizer Inc, Collegeville, PA, USA, [4]Pfizer Inc, Sanford, NC, USA,
[5]Pfizer Inc, New York, NY, USA, [6]New York Univ. Grossman Sch. of Med., New York, NY, USA

WP1-1-7 Once-Weekly Somapacitan in Growth Hormone Deficiency: 4-Year Efficacy and Safety Results from REAL 3, a Randomised Controlled Phase 2 Trial

Lars Savendahl[1], Tadej Battelino[2], Michael Hojby Rasmussen[3], Paul Saenger[4], Reiko Horikawa[5]
[1]Dept. of Women's and Children's Health, Karolinska Inst. and Pediatr. Endocrinology Unit, Karolinska Univ. Hosp.,
[2]Fac. of Med., UMC-Univ. Children's Hosp., Univ. of Ljubljana,
[3]Clinical Drug Development, Novo Nordisk A/S, [4]NYU Langone Health, Mineola,
[5]Div. Endocrinol. Metab., Nat. Cent. for Child Health and Development

WP1-1-8 Once-weekly Somapacitan is Effective and Well Tolerated in Children with GH Deficiency: a Randomized Phase 3 Trial

Bradley S. Miller[1], Joanne C. Blair[2], Michael Højby Rasmussen[3], Volker Böttcher[4], Rikke Beck Bang[5], Rasmus Juul Kildemoes[3], Aristides Maniatis[6], Jun Mori[7], Michel Polak[8,9,10,11], Stefano Stagi[12], Reiko Horikawa[13]

[1]Div. of Pediatr. Endocrinology, Univ. of Minnesota Masonic Children's Hosp., Minneapolis, Minnesota, USA,

[2]Dept. of Endocrinology, Alder Hey Children's NHS Foundation Trust, Liverpool, United Kingdom, [3]Novo Nordisk A/S, Søborg, Denmark, [4]Endocrinology Clinic, Frankfurt am Main, Germany, [5]Novo Nordisk A/S, Aalborg, Denmark,

[6]Rocky Mountain Pediatric Endocrinology, Centennial, CO, USA,

[7]Dept. of Pediactr., Graduate Sch. of Medical Science, Kyoto Prefectural Univ. of Med., Kyoto, Japan,

[8]Service d'Endocrinologie, Gynécologie et Diabétologie Pédiatriques, Hôpital Universitaire Necker Enfants Malades Paris, Assistance Publique-Hôpitaux de Paris, Paris, France, [9]Université de Paris Cité, Paris, France, [10]INSERM U1016, Institut Cochin, Paris, France, [11]Institut Imagine, Paris, France,

[12]Dept. of Health Sciences, Univ. of Florence, Anna Meyer Children's Univ. Hosp., Florence, Italy, [13]Div of Endocrinology and Metabolism, National Center for Child Health and Development, Tokyo, Japan

WP1-1-9 Safety and efficacy of treatment with lonapegsomatropin in children with growth hormone deficiency at Week 130 in the enliGHten trial

Paul Hofman[1], Paul S. Thornton[2], Ulhas M. Nadgir[3], Paul Saenger[4], Elena D. Chertok[5], Elena M. Aghajanova[6], Wenjie Song[7], Meng Mao[7], Steven D. Chessler[7], Allison S. Komirenko[7], Michael Beckert[8], Aimee D. Shu[7], Aristides K. Maniatis[9]

[1]Liggins Institute, Univ. of Auckland, [2]Cook Children's Medical Center, Fort Worth, TX, USA, [3]Center of Excellence in Diabetes and Endocrinology, Sacramento, CA,

[4]NYU Langone Health, New York, USA, [5]Voronezh State Medical Univ., Voronezh, Russia, [6]Yerevan State Medical Univ,, Yerevan, Armenia, [7]Ascendis Pharma, Palo Alto, CA, USA, [8]Ascendis Pharma A/S, Hellerup, Denmark,

[9]Rocky Mountain Pediatric Endocrinology, Centennial, CO, USA

WP1-1-10 Once-Weekly Somapacitan Versus Daily Growth Hormone in Children Born Small for Gestational Age: Results From a Randomized Phase 2 Trial

Anders Juul[1,2], Philippe Backeljauw[3], Michael Højby[4], Masanobu Kawai[5], Rasmus Juul Kildemoes[6], Agnès Linglart[7], Nehama Zuckerman-Levin[8], Reiko Horikawa[9]

[1]Dept. of Growth and Reproduction, Rigshospitalet, Copenhagen, Denmark,

[2]Dept. of Clinical Medicine, Univ. of Copenhagen, Copenhagen, Denmark,

[3]Div. of Endocrinology, Dept. of Pediatr., Cincinnati Children's Hosp. Medical Center, Univ. of Cincinnati College of Medicine, Cincinnati, Ohio, USA,

[4]Clinical Drug Development, Novo Nordisk A/S, Søborg, Denmark,

[5]Dept. of Gastroenterology, Nutrition and Endocrinology, Research Institute, Osaka Women's and Children's Hosp., Izumi, Japan,

[6]Data Science, Novo Nordisk A/S, Søborg, Denmark,

[7]AP-HP, Service d'Endocrinologie et Diabète de l'Enfant, Hôpital Bicêtre Paris Saclay, Université Paris Saclay, Le Kremlin-Bicêtre, France,

[8]Institute of Diabetes, Endocrinology and Metabolism, Rambam Health Care Center, Bruce Rappaport Faculty of Medicine, Technion, Haifa, Israel,

[9]Div. of Endocrinology and Metabolism, National Center for Child Health and Development, National Center for Child Health and Development, Tokyo, Japan