

## Invited Lecture

### November, 1 (Sat.) 9 : 40 ~ 10 : 20 Room 1 (Grand Ballroom AB)

Chair Satoshi Narumi (Department of Pediatrics, Keio University School of Medicine)

#### **Hypothyroidism that cannot be corrected with thyroid hormone: From identification to treatment**

Samuel Refetoff  
The University of Chicago

## KSPE-JSPE Plenary Lecture

### November, 1 (Sat.) 10 : 25 ~ 11 : 05 Room 1 (Grand Ballroom AB)

Chair Tomohiro Hori (Department of Pediatrics, Graduate School of Medicine, Gifu University)

#### **Immuno-genetics of early onset Graves' disease**

Kyoung Cho Won  
Department of Pediatrics, St. Vincent's Hospital, College of Medicine, The Catholic  
University of Korea

## Sweets Educational Seminar 2

### October, 30 (Thu.) 15 : 30 ~ 16 : 20 Room 5 (ROSIER)

Co-sponsored by: Soleno Therapeutics, Inc.

Chair Masanobu Kawai (Department of Molecular Genetics and Endocrinology, Osaka Women's and  
Children's Hospital)

#### **SWS2 Clinical Perspectives on Hyperphagia in Prader-Willi Syndrome: Symptoms, Management, and Emerging Therapeutic Strategies**

Jennifer Miller  
Div. of Endocrinol., Dept. of Pediatr., Univ. of Florida

## English Oral Session 1 Pituitary, Growth

### October, 30 (Thu.) 10 : 40 ~ 11 : 10 Room 4 (La Terrasse)

Chairs Yukiyo Kawashima (Department of Pediatrics, Shimane University Faculty of Medicine)  
Tsuyoshi Isojima (Department of Pediatrics, Toranomon Hospital)

#### **EO1-1 A fifteen-year-old boy with GH/PRL-secreting pituitary neuroendocrine tumor without excessive height growth**

Kenta Watanabe<sup>1</sup>, Yoshimi Okubo<sup>1</sup>, Tae Kimura<sup>1</sup>, Asako Tajima<sup>1</sup>, Yudo Ishii<sup>2</sup>, Miku Maeda<sup>3</sup>,  
Takuhiko Kawahara<sup>3</sup>, Ichiro Miyata<sup>1</sup>

<sup>1</sup>Dept of Pediatr., The Jikei Univ. Sch. of Med.,

<sup>2</sup>Dept. of Neurosurgery, The Jikei Univ. Sch. of Med.,

<sup>3</sup>Dept. of Pathology, The Jikei Univ. Sch. of Med.

**EO1-2 Adult Height of Pediatric Patients with Growth Hormone Deficiency Treated with Somatrogen Administered Once Weekly: Data from 2 Clinical Studies**

Lisette Cespedes<sup>1</sup>, Agota Muzsnai<sup>2</sup>, Ron Rosenfeld<sup>3</sup>, John Choe<sup>4</sup>, Ronnie Wang<sup>5</sup>, Jose Cara<sup>1</sup>, Michael Wajnrajch<sup>1,6</sup>, Dmitri Raduk<sup>7</sup>, Nataliya Zelinska<sup>8</sup>, Lawrence Silverman<sup>9</sup>

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<sup>3</sup>Oregon Health & Science University, Portland, OR, USA,

<sup>4</sup>OPKO Health Inc, Miami, FL, USA,

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<sup>7</sup>HCI 2nd Children's City Clinical Hospital, BelMAPO, Minsk, Belarus,

<sup>8</sup>Ukrainian Scientific and Practical Center of Endocrine Surgery, Transplantation Endocrine Organs and Tissues of the Ministry of Health of Ukraine, Kyiv, Ukraine,

<sup>9</sup>Goryeb Children's Hospital, Atlantic Health System, Morristown, NJ, USA

**EO1-3 First Real-World Evidence of Somapacitan Therapy Initiation in Children with GHD from GloBE-Reg**

Abdulmoein Al-Agha<sup>1</sup>, Aristides Maniatis<sup>2</sup>, Dirk Schnabel<sup>3,4</sup>, Alberto Pietropoli<sup>5</sup>, Kirstine Belling<sup>6</sup>, Faisal Ahmed<sup>7,8</sup>, Primoz Kotnik<sup>9,10</sup>

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<sup>2</sup>Rocky Mountain Pediatric Endocrinology, Centennial, Colorado, USA,

<sup>3</sup>Pediatr Endocrinology, Center for Chronically Sick Children, Charité Universitaetsmedizin, Berlin, Germany,

<sup>4</sup>INSIGHTS GHT Registry, Germany, <sup>5</sup>Novo Nordisk Health Care AG, Zurich, Switzerland,

<sup>6</sup>Novo Nordisk A/S, Søborg, Denmark,

<sup>7</sup>Developmental Endocrinology Research Group, University of Glasgow, Royal Hospital for Sick Children, Glasgow, UK,

<sup>8</sup>Office for Rare Conditions, Univ. of Glasgow, Glasgow, UK,

<sup>9</sup>Univ. Medical Centre, Ljubljana, Slovenia,

<sup>10</sup>Medical Faculty, Univ. of Ljubljana, Ljubljana, Slovenia

**English Oral Session 2 Thyroid, Bone Metabolism, Parathyroid, Skeletal Dysplasia, and Others****October, 30 (Thu.) 17 : 00 ~ 17 : 40 Room 3 (Grand Ballroom D)**

Chairs Kanako Nakao (Department of Molecular Endocrinology, National Research Institute for Child Health and Development)

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

**EO2-1 Two Novel SLC5A5 Variants (Q263L and G350D) Causing Congenital Hypothyroidism**

Kiyomi Abe<sup>1,2,3</sup>, Mikiko Koizumi<sup>4</sup>, Takahiko Kogai<sup>5</sup>, Shinobu Ida<sup>4,6</sup>, Chiho Sugisawa<sup>7</sup>, Masanobu Kawai<sup>4</sup>, Tomonobu Hasegawa<sup>1,8</sup>, Satoshi Narumi<sup>1,9</sup>

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<sup>4</sup>Dept. of Gastroenterology, Nutrition and Endocrinology, Osaka Women's and Children's Hosp.,

<sup>5</sup>Dept. of Genetic Diagnosis and Laboratory Medicine, Dokkyo Med. Univ.,

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<sup>8</sup>Kashiwa Tanaka Hosp.,

<sup>9</sup>Dept. of Molecular Endocrinology, National Research Institute for Child Health and Development, Tokyo, Japan

**EO2-2 Therapeutic plasma exchange resolves inflammation with increased peripheral glucocorticoid signaling in Kawasaki Disease**

Shuji Sai<sup>1,2</sup>, Soichiro Wada<sup>1</sup>, Shigetoshi Ogiwara<sup>1</sup>, Takuya Tamura<sup>1</sup>, Kiyoshi Nagumo<sup>1</sup>, Karen Chapman<sup>3</sup>

<sup>1</sup>Dept. of Pediatr. Teine-Keijinkai Hospital, <sup>2</sup>IGM, Hokkaido Univ.,

<sup>3</sup>QMRI, Univ. of Edinburgh

**EO2-3 Clinical Improvement in Autosomal Dominant Hypophosphatemic Rickets Following Burosumab Administration**

Shuntaro Morikawa<sup>1</sup>, Nozomi Hishimura<sup>1</sup>, Megumi Endo<sup>1</sup>, Naoya Kaneko<sup>1</sup>, Toshihiro Tajima<sup>2</sup>, Akie Nakamura<sup>3</sup>

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<sup>3</sup>Dept. of Mol. Endo., NCCHD

**EO2-4 Valproic acid caused severe vitamin D deficiency leading to seizure-induced a femoral neck fracture in a 14-year-old boy**

Yukie Deto<sup>1</sup>, Junko Oikawa<sup>1</sup>, Maki Matsuzawa<sup>1</sup>, Michihiko Ueno<sup>1</sup>, Yuhei Mogi<sup>2</sup>, Hideto Irifune<sup>2</sup>, Shuji Sai<sup>1</sup>

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**English Oral Session 3 Glucose Metabolism, Diabetes, Hypoglycemia**

**October, 31 (Fri.) 8 : 25 ~ 9 : 05 Room 4 (La Terrasse)**

Chairs Yukiyo Yamamoto (Department of Medical Education, University of Occupational and Environmental Health, Japan)

Tomozumi Takatani (Department of Pediatrics, Dokkyo Medical University Saitama Medical Center)

**EO3-1 Mediating Role of AI-Derived Insulin Resistance in the Association Between Obesity and Fatty Liver Disease**

Yu-Jung Lin<sup>1</sup>, I-Hsin Huang<sup>1,2</sup>, Wei-Ju Liu<sup>1,2</sup>, Chia-Lin Lee<sup>1,2,3,4,5</sup>

<sup>1</sup>Department of Medical Research, Taichung Veterans General Hospital,

<sup>2</sup>Department of Digital Medicine, Taichung Veterans General Hospital,

<sup>3</sup>Department of Internal Medicine, Taichung Veterans General Hospital,

<sup>4</sup>Department of Post-Baccalaureate Medicine, College of Medicine, National Chung Hsing University,

<sup>5</sup>Department of Medicine, School of Medicine, National Yang-Ming Chiao Tung University

**EO3-2 Association Between Mediterranean Diet and AI-Derived Insulin Resistance With Cardiovascular Mortality in Patients With Diabetes**

Wei-Ju Liu<sup>1,2</sup>, Tony Pan-Hou Che<sup>3</sup>, Yu-Jung Lin<sup>2</sup>, I-Hsin Huang<sup>1,2</sup>, Chia-Lin Lee<sup>1,2,4,5,6</sup>, Yi-Cheng Chang<sup>7,8,9</sup>

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<sup>3</sup>Program in Translational Medicine, National Taiwan University and Academia Sinica,

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<sup>5</sup>Department of Post-Baccalaureate Medicine, College of Medicine, National Chung Hsing University,

<sup>6</sup>Department of Medicine, School of Medicine, National Yang-Ming Chiao Tung University,

<sup>7</sup>Graduate Institute of Medical Genomics and Proteomics, National Taiwan University,

<sup>8</sup>Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan,

<sup>9</sup>Department of Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan

**EO3-3 Tracking phenomenon in the annual trends of HbA1c in children and adolescents with type 1 diabetes in prospective cohort studies, regardless of treatment methods**

Toru Kikuchi<sup>1,2</sup>, Yukiyo Yamamoto<sup>1,3</sup>, Yoshiya Ito<sup>1,4</sup>, Tomoyuki Kawamura<sup>1,5</sup>,  
Tatsuhiko Urakami<sup>1,6</sup>, Kentaro Shiga<sup>1,7</sup>,

On behalf of the Japanese Study Group of Insulin Therapy for Childhood and Adolescent Diabetes<sup>1</sup>

<sup>1</sup>Japanese Study Group of Insulin Therapy for Childhood and Adolescent Diabetes (JSGIT),

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<sup>4</sup>Japanese Red Cross Hokkaido College of Nursing,

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<sup>6</sup>Dept.of Pediatr, Nihon University Hospital,

<sup>7</sup>Dept. of Pediatr, Yokohama City University Medical Center

**EO3-4 Estimating the Individual-Level Causal Effects of Adiposity on Fatty Liver Disease Through Insulin Resistance: A Causal Machine Learning Approach**

I-Hsin Huang<sup>1,2</sup>, Yu-Jung Lin<sup>2</sup>, Wei-Ju Liu<sup>1,2</sup>, Chia-Lin Lee<sup>1,2,3,4,5</sup>

<sup>1</sup>Division of Artificial Intelligence, Department of Digital Medicine,

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**English Oral Session 4 Obesity, Underweight, Nutrition, Lipid Metabolism**

**October, 31 (Fri.) 16 : 30 ~ 17 : 00 Room 4 (La Terrasse)**

Chairs Junko Ito (Department of Pediatrics, Toranomon Hospital)

Tomohiro Ishii (Department of Endocrinology and Metabolism, Tokyo Metropolitan Children's Medical Center)

**EO4-1 Real-world setmelanotide changes in BMI in French patients with acquired hypothalamic obesity**

Pauline Faucher<sup>1</sup>, Sarah Chalopin<sup>1</sup>, Frederique Albarel<sup>2</sup>, Ahlam Azar-Kolakez<sup>3</sup>,  
Natacha Bouhours<sup>4</sup>, Jean-Claude Carel<sup>3</sup>, Regis Coutant<sup>4</sup>, Justine Cristante<sup>5</sup>, Nicolas Farigon<sup>6</sup>,  
Blandine Gatta-Cherifi<sup>7</sup>, Iva Gueorguieva<sup>8</sup>, Marie Hoflack<sup>9</sup>, Dunlanjalee Kariyawasam<sup>10</sup>,  
Marie Michelet<sup>7</sup>, Patricia Pigeon Kherchiche<sup>11</sup>, Veronique Savey<sup>12</sup>, Berenice Segrestin<sup>13</sup>,  
Caroline Storey<sup>3</sup>, Geraldine Vitellius<sup>14</sup>, Karine Clement<sup>1</sup>, Christine Poitou<sup>1</sup>

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<sup>13</sup>Lyon Sud Hosp., Endocrinology Dept., Lyon, France,

<sup>14</sup>Robert-Debré Univ. Hosp. of Reims, Endocrinology, Diabetology and Nutrition Dept., Reims, France

#### **EO4-2 Efficacy and Safety of Setmelanotide in Acquired Hypothalamic Obesity: Results from a Double-Blind, Multicenter, Placebo-Controlled, Randomized Phase 3 Trial**

Susan A. Phillips<sup>1,18</sup>, Hanneke M. Van Santen<sup>2,3,18</sup>, Jill Hamilton<sup>4,18</sup>, Ashley Shoemaker<sup>5,18</sup>, Shana E. McCormack<sup>6,7,18</sup>, M. Jennifer Abuzzahab<sup>8,18</sup>, Martin Wabitsch<sup>9,18</sup>, Mehul T. Dattani<sup>10,11,18</sup>, Tomohiro Tanaka<sup>12,18</sup>, Cecilia Scimia<sup>13,18</sup>, Guojun Yuan<sup>13,18</sup>, Hermann L. Muller<sup>14,18</sup>, Christian L. Roth<sup>15,16,18</sup>, Jennifer Miller<sup>17,18</sup>, TRANSCEND Trial Group member<sup>18</sup>

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<sup>17</sup>Pediatric Endocrinology, Dept. of Pediatrics, College of Medicine, Univ. of Florida, Gainesville, FL, USA,

<sup>18</sup>TRANSCEND Trial Group

**EO4-3 Patient- and caregiver-reported experiences of hunger, weight, and energy in acquired hypothalamic obesity before and during setmelanotide treatment**

Christian L. Roth<sup>1,2</sup>, Ashley H. Shoemaker<sup>3</sup>, Claire Ervin<sup>4</sup>, Lindsey Norcross<sup>4</sup>, Sheri Fehnel<sup>4</sup>, Caroline Huber<sup>5</sup>, Cecilia Scimia<sup>5</sup>, M. Jennifer Abuzzahab<sup>6</sup>

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**English Oral Session 5 Obesity, Nutrition, Lipid Metabolism, Puberty, and Others**

**November, 1 (Sat.) 11 : 15 ~ 11 : 45 Room 4 (La Terrasse)**

Chairs Satomi Koyama (Dokkyo Medical University Saitama Medical Center)

Kenichi Kashimada (Division of Endocrinology and Metabolism, NCCHD)

**EO5-1 Epidemiology of acquired hypothalamic obesity in pediatric patients: A Japanese hospital database analysis**

Tomohiro Tanaka<sup>1</sup>, Katsushi Takeda<sup>1</sup>, Hiroshi Takagi<sup>2</sup>, Kylie Braegelmann<sup>3</sup>, Julian Witte<sup>3</sup>, Charles Savoie<sup>4</sup>, Hiroshi Arima<sup>5</sup>, Hermann Lothar Muller<sup>6</sup>

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**EO5-2 The Relationship between Body Mass Index changes and Bone Age Progression during Gonadotropin-releasing Hormone Agonist Treatment in Girls with Idiopathic Central Precocious Puberty**

Seulki Kim, Eunha Bae, Soo Yeun Sim, Su Jin Park, Sung Eun Kim, Moon Bae Ahn, Shin Hee Kim, Won Kyung Cho, Kyung Soon Cho, Min Ho Jung, Byung-Kyu Suh

Dept.of Pediatr.,College of Medicine, The Catholic University of Korea

**EO5-3 Long-term Efficacy Results of Diazoxide Choline Extended-Release (DCCR) Tablets in Participants with Prader-Willi Syndrome from the Completed C601 (DESTINY PWS) and C602 Open Label Extension (OLE) Studies**

Evelien Gevers<sup>1,2</sup>, Evelien Gevers<sup>1,2</sup>, Nicola Bridges<sup>3</sup>, Jack Yanovski<sup>4</sup>, Eric Felner<sup>5</sup>, Parisa Salehi<sup>6</sup>, Ashley Hall Shoemaker<sup>7</sup>, Amy Fleischman<sup>8</sup>, Anthony Goldstone<sup>9</sup>, Moris Angulo<sup>10</sup>, David Stevenson<sup>11</sup>, Kathryn Obrynba<sup>12</sup>, M Guftar Shaikh<sup>13</sup>, Anthony Holland<sup>14</sup>, Verghese Mathew<sup>15</sup>, David Viskochil<sup>16</sup>, Shawn E. McCandless<sup>17</sup>, Lynne Bird<sup>18,19</sup>, Melissa Lah<sup>20</sup>, Virginia Kimonis<sup>21</sup>, Jennifer Abuzzahab<sup>22</sup>, Laura Konczal<sup>23</sup>, Elizabeth Littlejohn<sup>24</sup>, Heidi Shea<sup>25</sup>, Poonam Dharmaraj<sup>26</sup>, Urmi Das<sup>26</sup>, Jorge Mejia-Corletto<sup>27</sup>, John Wilding<sup>28</sup>, Katerina Harwood<sup>29</sup>, Kristen Yen<sup>30</sup>, Raj Gandhi<sup>30</sup>, Jing Gong<sup>30</sup>, Patricia Hirano<sup>30</sup>, Neil Cowen<sup>30</sup>, Anish Bhatnagar<sup>30</sup>, Michael Huang<sup>30</sup>, Merlin Butler<sup>31</sup>, Jennifer Miller<sup>32</sup>

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<sup>5</sup>Emory Univ. Sch. of Med., <sup>6</sup>Seattle Children's, <sup>7</sup>Vanderbilt Univ. Med. Ctr.,

- <sup>8</sup>Boston Children's Hosp., <sup>9</sup>Imperial College London Healthcare NHS Trust,  
<sup>10</sup>Good Samaritan Hosp. Pediatr., <sup>11</sup>Stanford Univ., <sup>12</sup>Nationwide Children's Hosp.,  
<sup>13</sup>Royal Hosp. for Child., <sup>14</sup>Univ. of Cambridge, <sup>15</sup>Hull Univ. Teaching Hosp. NHS Trust,  
<sup>16</sup>Univ. of Utah, Salt Lake City, UT, USA,  
<sup>17</sup>Univ. of Colorado, Children's Hosp. Colorado, Aurora, CO, USA,  
<sup>18</sup>Univ. of California San Diego, San Diego, CA, USA,  
<sup>19</sup>Rady Children's Hosp., San Diego, CA, USA,  
<sup>20</sup>Indiana Univ. Sch. of Med, Indianapolis, IN, USA,  
<sup>21</sup>Univ. of California, Irvine Medical Center, Irvine, CA, USA,  
<sup>22</sup>Children's Minnesota, St. Paul, MN, USA, <sup>23</sup>Univ. Hosp. of Cleveland, Cleveland, OH, USA,  
<sup>24</sup>Univ. of Michigan Health-Sparrow, Lansing, MI, USA,  
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<sup>27</sup>New York Univ. Langone Hosp., Garden City, NY, USA,  
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