

Invited Lecture

October, 11 (Fri.) 11 : 05 ~ 11 : 50 Room 1 (1F G2)

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

Modelling Thyroid Hormone Action during Early Cortex Development by Single Cell RNA Sequencing of Human Cerebral Organoids

Robert Opitz

Department of Pediatric Endocrinology and Diabetology, Charité University Medicine
Berlin(Germany)

KSPE-JSPE Plenary Lecture

October, 11 (Fri.) 10 : 10 ~ 10 : 55 Room 1 (1F G2)

Chair Toru Kikuchi (Department of Pediatrics, Saitama Medical University)

Management of type 1 diabetes in children and adolescents

Jaehyun Kim

Department of Pediatrics, Seoul National University Bundang Hospital, Seoul National
University College of Medicine

Sponsored Invited Lecture

October, 11 (Fri.) 15 : 30 ~ 16 : 20 Room 1 (1F G2)

Chair Tsutomu Ogata (Departments of Pediatrics and Biochemistry, Hamamatsu University School
of Medicine)

Insights into the different phenotypes of SHOX deficiency and abundance

Gudrun A. Rappold

Department of Human Molecular Genetics, University of Heidelberg, Germany

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

Luncheon Educational Seminar 10 Hypothalamic Syndrom-Diagnostic and Treatment Challenges

October, 12 (Sat.) 12 : 00 ~ 12 : 50 Room 2 (3F G301+302)

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

LS10-1 Long-Term Quality of Life and Hypothalamic Dysfunction after Craniopharyngioma

Hermann L. Müller

Department of Pediatrics and Pediatric Hematology / Oncology, Universität Children's
Hospital, Carl von Ossietzky Universität, Klinikum Oldenburg AöR

LS10-2 Postoperative obesity in pediatric craniopharyngioma patients

Keisuke Nagasaki^{1,2}

¹Dept. of Endo. and Metab., Nagano Children's Hosp.,

²Dept. of Pediatr., Niigata Univ. Sch. of Med.

Co-sponsored by: Rhythm Pharmaceuticals, Inc.

October, 11 (Fri.) 15 : 30 ~ 16 : 20 Room 4 (3F G304)

Chair Kazuwa Nakao (Kyoto University Medical innovation Center)

SWS2-1 Lipodystrophy : Cutting-Edge Insights on Diagnosis and Management

Elif Oral

Division of Metabolism, Endocrinology and Diabetes, Univ. of Michigan

SWS2-2 Elucidation of the actual condition of partial lipodystrophy related to hematopoietic stem cell transplantation

Satoshi Okada

Dept. of Pediatr., Hiroshima Univ. Graduate Sch. of Biomedical and Health Sciences

Co-sponsored by: Chiesi Pharma Japan K.K.

English Oral Session 1 Clinical trial, Post-marketing surveillance

October, 11 (Fri.) 9 : 00 ~ 10 : 00 Room 4 (3F G304)

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

Asako Tajima (Department of Pediatrics, Jikei University School of Medicine)

EO1-1 Genetic and Endocrine Factors Affecting Growth Retardation in Mitochondrial Diseases

Hideaki Yagasaki, Hiromune Narusawa, Koichi Makino, Mie Mochizuki, Kisho Kobayashi, Kazumasa Sato, Fumikazu Sano, Kaoru Fujioka, Sonoko Mizorogi, Yoshimi Kaga, Masanori Ohta, Takeshi Inukai

Dept. of Pediatr., Yamanashi Univ. Sch. of Med.

EO1-2 The Current Status and Trends of Pediatric Diabetes Newly Diagnosed by School Urine Examination: Collaborative Efforts in the Kyushu-Okinawa Region

Yukiyo Yamamoto^{1,2}, Tuneyoshi Baba^{1,3}, Eiichi Kinoshita^{1,4}, Hiroshi Hasegawa^{1,5}, Shiro Matsumoto^{1,6}, Yukiko Minetoma^{1,7}, Kenji Ihara^{1,8}, Hirotake Sawada^{1,9}, Michiyo Mizota^{1,10}, Takuya Kaneshi^{1,11}, Takeshi Inamitsu^{1,12}

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¹⁰Dept. of Pediatrics, Imamura General Hospital, ¹¹Dept. of Pediatrics, Univ. of the Ryukyus,

¹²Inamitsu Children Clinic

EO1-3 Measurement of Diiodothyropropionic Acid (DITPA) by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

Hideyuki Iwayama¹, Kohei Kawahara², Sachiko Kitagawa^{1,2}, Masumi Iwasa¹, Yoshinori Ito¹, Akihisa Okumura¹

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EO1-4 Advances in insulin therapy for Japanese pediatric and adolescent type 1 diabetes revealed by the 2018 cohorts of the childhood-onset type 1 diabetic patients in Japanese Study Group of Insulin Therapy for Childhood and Adolescent Diabetes (JSGIT)

Toru Kikuchi¹, Tatsuhiko Urakami², Tomoyuki Kawamura³, Nobuyuki Kikuchi⁴, Yoshiya Ito⁵, Yukiyo Yamamoto⁶, Mie Mochizuki⁷, Ichiro Yokota⁸, Maki Fukami⁹, Kenji Ihara¹⁰, Kentaro Shiga¹¹, Koji Takemoto¹², Masakazu Hirose¹³, Hiroshi Yokomichi¹⁴, Shin Amemiya¹, Shigetaka Sugihara¹⁵

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⁹Dept. of Molecular Endocrinology, National Research Institute for Child Health and Development,

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¹¹Children's Medical Center, Yokohama City University Medical Center,

¹²Dept. of Pediatrics, Ehima Prefectural Niihama Hospital, ¹³D Medical Clinic Osaka,

¹⁴Dept. of Health Sciences, Division of Medicine, Graduate School Department of Interdisciplinary Research, University of Yamanashi,

¹⁵Tokyo Women's Medical University

EO1-5 Open-label extension of a global Phase 3 study of once-weekly somatrogen in pediatric patients with growth hormone deficiency: results from up to 4 years of somatrogen treatment

Joel Steelman¹, John Choe², Renata Stawerska³, Lawrence Silverman⁴, Cheri Deal⁵, Michael Wajnrajch^{6,7}, Marc Thomas⁸, Daria La Torre⁹, Moshe Phillip¹⁰, Patricia Crock¹¹, Carrie Taylor⁶, Ronnie Wang¹², Jose Cara⁶

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⁴Goryeb Children's Hospital, Atlantic Health System, Morristown, NJ, USA,

⁵Centre de recherche CHU Ste-Justine, Université de Montréal, Montréal, QC, Canada,

⁶Pfizer Inc, New York, NY, USA,

⁷New York University, Grossman School of Medicine, New York, NY, USA,

⁸Pfizer Ltd, Tadworth, UK, ⁹Pfizer SRL, Rome, Italy,

¹⁰Schneider Children's Medical Center of Israel; Sackler Faculty of Medicine, Tel-Aviv University, Petah Tikva, Israel,

¹¹John Hunter Children's Hospital, Newcastle, NSW, Australia,

¹²Pfizer Inc, Groton, CT, USA

EO1-6 Long-Term Efficacy and Safety of Once-Weekly Somatrogen in Pediatric Patients with Growth Hormone Deficiency: Results From up to 8 years of Somatrogen Treatment

Zvi Zadik¹, Nataliya Zelinska², Violeta Iotova³, Yulia Skorodok⁴, Oleg Malievskiy⁵, Nelly Mauras⁶, Srinivas Valluri⁷, Aleksandra Pastrak⁸, Ron Rosenfeld⁹, Carrie Taylor⁷, Ronnie Wang¹⁰, Michael Wajnrajch^{7,11}, Jose Cara⁷

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³Medical University of Varna, Varna, Bulgaria,

⁴Saint-Petersburg State Pediatric Medical University, Saint-Petersburg, Russia,

⁵Bashkirian State Medical University, Ufa, Russia,

⁶Nemours Children's Health, Jacksonville, FL, USA, ⁷Pfizer Inc, New York, NY, USA,

⁸OPKO Health, Miami, FL, USA, ⁹Oregon Health and Science University, Portland, OR, USA,

¹⁰Pfizer Inc, Groton, CT, USA,

¹¹New York University, Grossman School of Medicine, New York, NY, USA

English Oral Session 2 Clinical Case Report

October, 11 (Fri.) 14 : 20 ~ 15 : 00 Room 4 (3F G304)

Chairs Toshihiro Tajima (Department of Pediatrics, Jichi Medical University Tochigi Childrens' Medical Center)

Misa Honda (Department of Pediatrics, Tokyo Dental University General Hospital)

EO2-1 Novel GNAS variant in two pediatric patients with pseudohypoparathyroidism-related disease

Mika Dofuku¹, Maho Asai¹, Fuminori Yamamoto², Sachie Nakamura¹, Toshihiro Tajima¹

¹Dept. of Pediatr., Jichi Univ. Sch. of Med.,

²Dept. of Dermatol., Japan Red Cross Medical Center

EO2-2 Early diagnosed Diffuse Sclerosing Variant Papillary Thyroid Carcinoma (DSVPTC); 11-year-old girl with characteristic ultrasonography

Nao Takizaki¹, Takeshi Uehara¹, Toshinaru Fukae¹, Naomi Hatabu¹, Masako Izawa¹,

Junko Hanakawa¹, Mio Tanaka², Norihiko Kitagawa³, Masahide Nakano⁴, Koji Muroya¹

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²Dept. of Pathology Diagnosis, Kanagawa Children's Medical Centre,

³Dept. of Surgery, Kanagawa Children's Medical Centre,

⁴Thyroid Centre, Showa University Northern Yokohama Hospital

EO2-3 46, XY individual with disorder of sex development (DSD) associated with a novel PPP1R12A variant

Yoko Saito¹, Takeshi Uehara², Yukiko Kuroda¹, Yumi Enomoto³, Takuya Naruto³,

Naomi Hatabu², Junko Hanakawa², Kenji Kurosawa^{1,3}, Koji Muroya²

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²Dept. of Endo. and Metab., Kanagawa Children's Medical Center,

³Clin. Research Institute, Kanagawa Children's Medical Center

EO2-4 A case of X;2 translocation: a mild phenotype possibly associated with X chromosome inactivation spreading to the translocated autosomal region

Atsushi Hattori^{1,2}, Naoya Morisada³, Yasuko Ogiwara¹, Kayo Ozaki⁴, Kiiko Iketani⁴,

Masayo Kagami¹, Maki Fukami^{1,2}

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English Oral Session 3 Basic Scientific Research 1

October, 12 (Sat.) 8 : 20 ~ 9 : 00 Room 4 (3F G304)

Chairs Kenichi Kashimada (Department of Pediatrics and Developmental Biology, Institute of Science Tokyo (Tokyo Medical and Dental University))
Misako Okuno (Department of Pediatrics, Hyogo Medical University)

EO3-1 DNA methylation epsignature in Silver-Russell syndrome

Kaori Hara¹, Tomoko Kawai², Maki Fukami¹, Masayo Kagami¹

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²Dept. of Maternal Fetal Biology, Nat'l Res. Inst. for Child Health and Development

EO3-2 Withdrawn

EO3-3 Withdrawn

EO3-4 Expression of intracellular glucocorticoid metabolizing enzymes correlates initial glucocorticoids responsiveness in childhood acute lymphoblastic leukemia

Shuji Sai^{1,2}, Shinsuke Hirabayashi³, Yusuke Saito³, Karen Chapman⁴, Atsushi Manabe³

¹Institute for Genetic Medicine, Hokkaido Univ., ²Dept. of Pediatr., Teine-Keijinkai Hospital,

³Dept. of Pediatr., Hokkaido Univ., ⁴QMRI, Univ. of Edinburgh

English Oral Session 4 Basic Scientific Research 2

October, 12 (Sat.) 9 : 30 ~ 10 : 20 Room 2 (3F G301+302)

Chairs Satoshi Okada (Department of Pediatrics, Hiroshima University)

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

EO4-1 Obesity in Survivors of Childhood-Onset Craniopharyngioma - Impact of Parental Body Mass Index at Craniopharyngioma Diagnosis ?

Julia Beckhaus^{1,2}, Maria Eveslage³, Brigitte Bison⁴, Carsten Friedrich¹, Hermann L. Müller¹

¹Dept. of Pediatr., Univ. Childrens Hosp., Klinikum Oldenburg,

²Divi. of Epidemiology and Biometry, Carl von Ossietzky Universität Oldenburg School IV - School of Medicine and Health Sciences, Oldenburg, Germany,

³Inst. of Biostatistics and Clin. Research, Univ. of Münster, Münster, Germany,

⁴Univ. of Augsburg, Faculty of Med., Diagnostic and Interventional Neurorad, Augsburg, Germany

EO4-2 Association of Vitamin D Metabolites with Cardiovascular Risk Factors in Patients with Childhood-Onset Craniopharyngioma

Yunsoo Choe¹, Da Hye Lee², Yun Jeong Lee³, Hwa Young Kim³, Kyunghoon Lee⁴,
Junghan Song⁴, Choong Ho Shin³, Young Ah Lee³

¹Dept. of Pediatr., Hanyang Univ. Sch. of Med. / Hanyang Univ. Guri Hosp.,

²Dept. of Pediatr., Chung Ang Univ. Sch. of Med.,

³Dept. of Pediatr., Seoul Nat. Univ. Sch. of Med.,

⁴Dept. of Lab. Med., Seoul Nat. Univ. Sch. of Med.

EO4-3 Fatigue in Patients with Hypothalamic Syndrome – A Cross-Sectional Analysis of the German Childhood-Onset Craniopharyngioma Cohort

Julia Beckhaus^{1,2}, Jale Özyurt^{3,4}, Aylin Mehren^{3,5}, Carsten Friedrich¹, Hermann L. Müller¹

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⁴Res. Center Neurosensory Sci., Carl von Ossietzky Univ., Oldenburg, Germany,

⁵Dep. of Psych. und Psychother., Univ. Hosp. Bonn, Bonn, Germany

EO4-4 Epidemiology of Hypothalamic Obesity in Craniopharyngioma and Other Rare Sellar and Suprasellar Tumors

Julian Witte¹, Bastian Surmann¹, Manuel Batram¹, Markus Weinert¹, Mathias Flume², Nicolas Touchot³, Julia Beckhaus^{4,5}, Carsten Friedrich⁴, Hermann L. Müller⁴

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⁵Carl von Ossietzky Univ Oldenburg, Div of Epidemiol and Biometry, Oldenburg, Germany

EO4-5 Daytime Sleepiness and Health-related Quality of Life in Patients with Childhood-onset Craniopharyngioma

Laura Verena Mann-Markutzky¹, Julia Beckhaus^{1,2}, Jale Oezjurt³, Friedrich Carsten¹, Hermann L. Müller¹

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