

# The 65th Annual Meeting of the Japanese Society of Child Neurology

May 25 - 27, 2023

Okayama, Japan

## **PROGRAM**

## Presidential Lecture

### Presidential Lecture

Chair : Yoko Ohtsuka  
(Asahigawaso Rehabilitation & Medical Centre)

- PL**      **Pediatric electroencephalography: its past, present, and future**  
Katsuhiro Kobayashi  
Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and  
Pharmaceutical Sciences

## Yukio Fukuyama Memorial Lecture

### Yukio Fukuyama Memorial Lecture

Chair : Katsuhiro Kobayashi  
(Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry  
and Pharmaceutical Sciences)

- ML**      **The developmental and epileptic encephalopathies: from genetic heterogeneity  
to phenotypic continuum**  
Renzo Guerrini  
University of Florence and Meyer Children's Hospital, Florence, Italy

## Invited Lecture

### Invited Lecture 1

Chair : Hitoshi Osaka (Jichi Medical University, Shimotsuke, Japan)

- IL1**      **Early Onset Vitamin- and Cofactor-Responsive Encephalopathies and Seizures**  
Ingrid Tein  
Division of Neurology, Dept. of Pediatrics and Laboratory Medicine and Pathobiology The Hospital  
for Sick Children, University of Toronto, Toronto, Ontario, Canada

### Invited Lecture 2

Chair : Mitsuhiro Kato  
(Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

- IL2**      **Genetic and histological analyses reveal new insights into the causes of human  
cerebellar developmental abnormalities**  
Kathleen J Millen  
Center for Integrative Brain Research, Seattle Children's Research Institute and Department of  
Pediatrics, University of Washington School of Medicine, Seattle, USA

### Invited Lecture 3

Chair : Tomoyuki Akiyama  
(Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University)

- IL3**      **Genetics and Inflammation in Childhood Epilepsy**  
Derrick Chan  
Senior Consultant, Paediatric Neurology Lead, Paediatric Epilepsy Programme, KKH Clinician  
Scientist, SingHealth

### **Invited Lecture 4**

Chair : Hiroshi Sakuma  
(Department of Brain & Neurosciences, Tokyo Metropolitan Institute of Medical Science)

#### **IL4      **Biologics in Neuroinflammation: Are We Ready for Precision Medicine?****

Eyal Muscal  
Pediatric Rheumatology, Baylor College of Medicine, Houston, USA

## **Special Lecture**

### **Special Lecture 1**

Chair : Eiji Nakagawa  
(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

#### **SL1      **Next generation of pediatric epilepsy, EEG and epilepsy surgery****

Hiroshi Otsubo  
The Hospital for Sick Children

### **Special Lecture 2**

Chair : Yushiro Yamashita  
(The Department of Pediatrics and Child Health Kurume University School of Medicine)

#### **SL2      **Plasticity and diversity in the development of social cognition****

Atsushi Senju  
Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan

### **Special Lecture 3**

Chair : Katsuhiko Kobayashi  
(Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)

#### **SL3      **Recent advances in hereditary neurological and muscular diseases****

Hiroyuki Ishiura  
Department of Neurology, Okayama University

## **Educational Lecture**

### **Educational Lecture 1**

Chair : Jun-ichi Takanashi  
(Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan)

#### **EL1      **CNS Interstitial fluidopathy and evaluation of interstitial fluid dynamics by diffusion images****

Toshiaki Taoka  
Department of Innovative Biomedical Visualization, Nagoya University, Nagoya, Japan

### **Educational Lecture 2**

Chair : Naoyuki Tanuma  
(Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)

**EL2 Advances in image diagnosis using AI technology**

Hiroshi Fujita

Department of Electrical, Electronics and Computer Engineering, Faculty of Engineering, Gifu University, Gifu, Japan

**Educational Lecture 3**

Chair : Masaya Tachibana

(United Graduate School of Child Development, Osaka University, Suita, Japan)

**EL3 Babies know these things! -Social Cognition in Early Development-**

Yasuhiro Kanakogi

Graduate School of Human Sciences, Osaka University, Osaka, Japan

**Educational Lecture 4**

Chair : Makio Oka

(Division of Child and Adolescent Mental Health, Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

**EL4 Treatment of psychosomatic disorders in children ~Psychological testing performed on outpatients~**

Ayumi Okada

Department of Pediatrics, Okayama Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

**Educational Lecture 5**

Chair : Katsuhiko Kobayashi

(Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)

**EL5 Spinal cerebrospinal fluid leak in childhood: Affinity and difference with adult patients.**

Eiji Moriyama

Department of Neurosurgery, Onomichi Municipal Hospital

**Educational Lecture 6**

Chair : Hideaki Shiraishi

(Department of Pediatrics, Hokkaido University Hospital Epilepsy Center, Sapporo, Hokkaido)

**EL6 Surgical treatment for pediatric intractable epilepsy**

Takeshi Matsuo

Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

**Educational Lecture 7**

Chair : Kiwako Tsukida (Department of Pediatrics, Jichi Medical University)

**EL7 First steps in clinical research: basic knowledge to establish new evidence**

Tohru Kobayashi

Department of Date Science, National Center for Child Health and Development

**Educational Lecture 8**

Chair : Takenori Tozawa

(Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan)

**EL8 Top secret: I will teach you how to get competitive grants**

Shinichi Hirose

General Medical Center, School of Medicine, Fukuoka University

**Educational Lecture 9**

Chair : Tadashi Shiohama

(Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan)

**EL9 Hedgehog signaling and human diseases**

Katsunori Fujii

Department of Pediatrics, International University of Health and Welfare, Chiba, Japan

**Educational Lecture 10**

Chair : Tomoyuki Akiyama (Department of Child Neurology, Okayama University)

**EL10 Drug development for drug-resistant epilepsy by targeting metabolic enzymes**

Tsuyoshi Inoue

Department of Biophysical Chemistry, Graduate School of Medicine, Dentistry, Pharmaceutical Sciences, Okayama University, Okayama, Japan

## Educational Lecture (On-demand)

**Educational Lecture (On-demand) 1**

**EL01 Clinical Research and Ethics**

Hotta Katsuyuki

Okayama University Hospital

**Educational Lecture (On-demand) 2**

**EL02 Medical safety management in our country: history and present status**

Hirokazu Tsukahara

Department of Pediatrics, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

**Educational Lecture (On-demand) 3**

**EL03 Neurological complications of COVID-19 in children and infection control**

Mitsuru Tsuge

Department of Pediatric Acute Disease, Okayama University Academic Field of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama, Japan

**Educational Lecture (On-demand) 4**

**EL04 Epidemiologic methods in research on pediatric neurology**

Takashi Yorifuji

Department of Epidemiology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, University of Okayama, Okayama, Japan

**Educational Lecture (On-demand) 5**

**EL05 Medical care for severe motor and intellectual disabilities**

Harumi Yoshinaga

Department of Child Neurology, National Hospital Organization Minami-Okayama Medical Center, Okayama, Japan

**Educational Lecture (On-demand) 6**

**EL06 Know what we need to know to treat headaches in children and adolescent**

Gaku Yamanaka

Department of Pediatrics and Adolescent Medicine, Tokyo Medical University

**Educational Lecture (On-demand) 7**

**EL07 Genetic testing provided by health insurance in child neurology**

Iori Ohmori

Faculty of Education, Okayama University, Okayama, Japan

## Educational Lecture (On-demand) 8

### EL08 Diagnosis and support for specific learning disorder

Makio Oka

Division of Child and Adolescent Mental Health, Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan

## Educational Lecture (On-demand) 9

### EL09 Neurodevelopmental disorder in preterm infants

Akihito Takeuchi

Division of Neonatology and Child Neurology, National Hospital Organization Okayama Medical Center, Okayama, Japan

# Award Lecture

## Award Lecture

Chair : Masahiro Nonaka (Department of Neurosurgery, Kansai Medical University)

### AL-01 The Japanese version of the children's sleep habits questionnaire (CSHQ-J):A validation study and influencing factors

Ryuta Ishii

Department of pediatrics and Child Health, Kurume University School of Medicine

### AL-02 Incidence and risk factors of acute encephalopathy with biphasic seizures in febrile status epilepticus

Fumio Ichinose

Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan

# Masataka Arima Memorial Symposium

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# Symposium

## Symposium 1

### Considering the clinical diagnostic system for chromosomal microdeletion/duplication syndromes revealed by chromosomal microarray testing

Chairs : Toshiyuki Yamamoto

(Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)

Kenji Shimizu (Shizuoka Childrens Hospital)

### S1-01 Overview of chromosomal microdeletion/duplication syndrome

Kenji Shimizu

Shizuoka Childrens Hospital

### S1-02 Microarray chromosome testing in practice

Tomonari Awaya

Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine, Kyoto, Japan

- S1-03**    **Pediatric neurological disorders and CNV**  
Ayumi Matsumoto  
Department of Pediatrics, Jichi Medical University, Tochigi, Japan
- S1-04**    **Survey results of the research team**  
Taichi Imaizumi  
St.Marianna University School of Medicine, Kanagawa, Japan
- S1-05**    **Challenges of the child to adult healthcare transition in chromosomal microdeletion/duplication syndrome**  
Chisen Takeuchi  
Department of Genetic Medicine, Jikei University Hospital
- S1-06**    **Personnel support by research group**  
Toshiyuki Yamamoto  
Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan

## **Symposium 2**

### **All about vitamin B6-dependent epilepsies**

Chairs : Tomoyuki Akiyama (Department of Child Neurology, Okayama University)  
Hirokazu Kurahashi (Department of pediatrics, Aichi Medical University, Nagakute, Japan)

- S2-01**    **Clinical context of vitamin B6-dependent epilepsy**  
Hirokazu Kurahashi  
Department of pediatrics, Aichi Medical University, Nagakute, Japan
- S2-02**    **How to diagnose vitamin B6-dependent epilepsies**  
Tomoyuki Akiyama  
Department of Child Neurology, Okayama University
- S2-03**    **Importance of vitamin B6 measurement in hypophosphatasia and Ginkgo-seed food poisoning**  
Daisuke Kobayashi  
Department of Food and Chemical Toxicology, School of Pharmaceutical Sciences, Health Sciences University of Hokkaido, Ishikari-Tobetsu, Japan
- S2-04**    **Physiological Functions of PLPBP: Insights from Microbial Studies**  
Tomokazu Ito  
Graduate School of Bioagricultural Sciences, Nagoya University, Aichi, Japan
- S2-05**    **Treatment of vitamin B6-dependent epilepsy**  
Kaori Aiba  
Department of Pediatric Neurology, Aichi Childrens Health and Medical Center, Aichi, Japan

## **Symposium 3**

### **Kampo therapy in child neurology**

Chairs : Ko Nishimura (Hane Pediatric Clinic)  
Hirohiko Ozaki (Kirin Calm Clinic, Kanagawa, Japan)

- S3-01**    **A story of a pediatric neurologist acquiring the board-certificated specialist in Kampo medicine**  
Hideo Enoki  
Department of Pediatrics, Kawasaki Medical School, Kurashiki, Japan
- S3-02**    **Significance of adding scientific evidence to Kampo treatment based on historical evidence**  
Koichiro Kawashima  
Tsuchiura eastside clinic, Ibaraki, Japan
- S3-03**    **Kampo therapy for sever motor and intellectual disabilities**  
Hirohiko Ozaki  
Kirin Calm Clinic, Kanagawa, Japan

#### **Symposium 4**

##### **Childhood Myasthenia Gravis – Complete Remission is Feasible –**

Chairs : Yoshiko Nomura (Yoshiko Nomura Neurological Clinic for Children, Tokyo, Japan)  
Yasunari Sakai  
(Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University)

##### **S4-01 Introduction; Clinical Characteristics of Childhood Myasthenia Gravis**

Yoshiko Nomura  
Yoshiko Nomura Neurological Clinic for Children, Tokyo, Japan

##### **S4-02 Treatment Strategies for childhood-onset myasthenia gravis-Message from MG Practice Guidelines 2022-**

Keiko Ishigaki  
Department of Pediatrics, Tokyo Women's Medical University, School of Medicine

##### **S4-03 Immunological pathophysiology and novel therapeutic agents of myasthenia gravis in children.**

Yuji Inaba  
Division of Neuropediatrics, Nagano Children's Hospital

##### **S4-04 Pathogenetics study of Myasthenia Gravis in Japan**

Masatoshi Hayashi  
Department of Pediatrics, Uwajima City Hospital, Ehime, Japan

##### **S4-05 Treatment of Childhood Myasthenia Gravis; Experiences and Messages**

Keiko Ishigaki  
Department of Pediatrics, Tokyo Women's Medical University, School of Medicine

Yuji Inaba  
Division of Neuropediatrics, Nagano Children's Hospital

Masatoshi Hayashi  
Department of Pediatrics, Uwajima City Hospital, Ehime, Japan

Yoshiko Nomura  
Yoshiko Nomura Neurological Clinic for Children, Tokyo, Japan

#### **Symposium 5**

##### **Epilepsy Surgical Treatment up-to-date, The latest evaluation of epileptogenic zone and treatment considering quality of life**

Chairs : Mitsugu Uematsu (Department of Pediatrics, Tohoku University School of Medicine)  
Masaki Iwasaki  
(Department of Neurosurgery, National Center Hospital of Neurology and Psychiatry)

##### **S5-01 Examination and Diagnostic Points for Considering Epilepsy Surgery**

Ryoko Honda  
Department of Pediatrics, National Hospital Organization Nagasaki Medical Center

##### **S5-02 Visualization of epileptogenetic lesion and estimation of epileptogenic zone**

Keiya Iijima  
Department of Neurosurgery, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

##### **S5-03 Less invasive preoperative assessment using stereo-electroencephalography in difficult-to-localize epilepsy**

Hui Ming Khoo  
Department of Neurosurgery, Osaka University, Suita, Japan

##### **S5-04 Radiofrequency-thermocoagulation for pediatric patients with insulo-opercular epilepsy**

Yutaro Takayama  
Department of Neurosurgery, Yokohama City University, Kanagawa, Japan



**S5-05 Neuromodulation for epileptogenicity as a network disorder**

Naoto Kunii

The Department of Neurosurgery, The University of Tokyo

**Symposium 6**

**Spinal diseases in children - Pitfalls and treatments -**

Chairs : Katsunori Fujii

(Department of Pediatrics, International University of Health and Welfare, Chiba, Japan)

Gaku Yamanaka

(Department of Pediatrics and Adolescent Medicine, Tokyo Medical University)

**S6-01 Spinal cord infarction in children**

Katsunori Fujii

Department of Pediatrics, International University of Health and Welfare, Chiba, Japan

**S6-02 Pediatric inflammatory disorders of the spinal cord**

Pin Fee Chong

Department of Pediatrics, Kyushu University, Fukuoka, Japan

**S6-03 Neurosurgery for congenital spinal lesions in children**

Satoshi Ihara

Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

**Symposium 7**

**Role of pediatric neurologist for the sequelae of severe head trauma in infant**

Chairs : Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

Satoshi Ihara

(Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

**S7-01 Team medical care of early childhood head trauma - role of pediatric neurologist**

Yuri Sakaguchi

Division of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

**S7-02 Rehabilitation for infants with severe traumatic brain injury**

Manabu Yoshihashi

Kanagawa Rehabilitation Center, Atsugi, Kanagawa, Japan

**S7-03 Chronic course of severe head injury in infants**

Koji Tanoue

Kanagawa Children's Medical Center

**S7-04 Intrathecal Baclofen Therapy for sequelae with severe head trauma in infant**

Satoshi Ihara

Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

**S7-05 Epilepsy surgery for posttraumatic epilepsy in pediatric population**

Ayataka Fujimoto

Comprehensive epilepsy center, Seirei Hamamatsu general hospital

**Symposium 8**

**Medical care and education for specific learning disorder: Who should provide support and guidance for children with learning difficulties?**

Chairs : Makio Oka

(Division of Child and Adolescent Mental Health, Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

Tatsuya Koeda (National Center for Child Health and Development)

**S8-01 The role and problems of medical care for children with learning difficulties**

Makio Oka

Division of Child and Adolescent Mental Health, Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan

**S8-02 Practical Support for Children with Learning Difficulties in Resource Room**

Naomi Uchida  
Okayama Municipal Yokoi Elementary School, Okayama, Japan

**S8-03 Direct trainings and practical supports for the children with specific learning disorder at SUTASAPO**

Tomoyoshi Gion  
Child Development Support Office SUTASAPO, Okayama, Japan

**S8-04 Teaching children with Dyscalculia using math training apps.**

Sawako Ooba  
Work-Life Balance Support Center, Tottori University Hospital, Tottori, Japan

**Symposium 9**

**Toward the realization of a digital regional city where people with disabilities can live with**

Chairs : Iori Ohmori (Okayama University)  
Yuko Kataoka (Hearing Health Center, Okayama University Hospital, Okayama, Japan)

**S9-01 Tackling Rural Healthcare Challenges: Implementing a Cross-Sector Emergency Information Sharing System.**

Jota Maki  
Obstetric and Gynecology, Okayama University Hospital, Okayama, Japan

**S9-02 Technology opens the way to the future of a diverse society**

Tatsuya Honda  
Fujitsu Limited

**S9-03 Development of the siren to vibration converter in disasters and emergencies for the hearing-impaired**

Yuko Kataoka  
Hearing Health Center, Okayama University Hospital, Okayama, Japan

**Symposium 10**

**Update on the intervention for patients with cerebral palsy - part 2**

Chairs : Yukihiro Kitai (Department of Pediatric Neurology, Bobath Memorial Hospital)  
Ryo Tanabe (Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan)

**S10-01 Genetics of Cerebral Palsy**

Kazuhiro Haginoya  
Department of Neurology, Miyagi Children's Hospital

**S10-02 Updates on rehabilitation in children with hemiplegia.**

Sayaka Katori  
Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

**S10-03 Common physical comorbidities of adolescents and adults with cerebral palsy**

Sui Sone  
Tokyo Metropolitan Higashiyamato Medical Center for Persons with Developmental/Multiple Disabilities

**S10-04 A RCT study to develop a program to achieve social independence for children with cerebral palsy**

Kaeko Ogura  
Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan

**Symposium 11**

**Current clinical and physiological research on movement disorders**

Chairs : Satoko Kumada  
(Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)  
Hiroshi Arai (Department of Pediatric Neurology, Bobath Memorial Hospital)

- S11-01 Pathophysiology of movement disorders: abnormal neural activity in animal models**  
 Satomi Chiken  
 Division of System Neurophysiology, National Institute for Physiological Sciences, Okazaki, Japan
- S11-02 Cortical and basal ganglia network for motor recovery by gene therapy for aromatic L-amino acid decarboxylase deficiency**  
 Yoshiyuki Onuki  
 Department of Neurosurgery, Jichi Medical University, Tochigi, Japan
- S11-03 Movement disorders of cerebral palsy**  
 Hiroshi Arai  
 Department of Pediatric Neurology, Bobath Memorial Hospital
- S11-04 Clinical characteristics of genetic childhood movement disorders**  
 Hirofumi Kashii  
 Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

## Symposium 12

### New horizon of Tourette syndrome and tic disorder

Chairs : Michio Fukumizu (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)  
 Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

- S12-01 Management of Tourette syndrome during psychomotor development**  
 Kyoko Hoshino  
 Segawa Memorial Neurological Clinic for Children, Tokyo, Japan
- S12-02 CBIT Kida Method Its practice and effect**  
 Tetsuo Kida  
 Japan CBIT Association, Osaka, Japan
- S12-03 Improvement of tic disorder by oral splint and its therapeutic mechanism**  
 Yoshihisa Tachibana  
 Department of Physiology and Cell Biology, Kobe University Graduate School of Medicine, Kobe, Japan
- S12-04 Immediate and long-term effect of lip-closed deep nasal respiration for tics**  
 Takanobu Kaido  
 Department of Functional Neurosurgery, National Hospital Organization Nara Medical Center

## Symposium 13

### Pediatric neuroimmunology: up date

Chairs : Akihiko Ishiyama  
 (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)  
 Hiroshi Sakuma  
 (Department of Brain & Neurosciences, Tokyo Metropolitan Institute of Medical Science)

- S13-01 Pediatric autoimmune encephalitis and autoantibodies**  
 Hiroshi Sakuma  
 Department of Brain & Neurosciences, Tokyo Metropolitan Institute of Medical Science
- S13-02 Myelin oligodendrocyte glycoprotein (MOG) antibody-associated disease in childhood**  
 Ai Hoshino  
 Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- S13-03 Pediatric multiple sclerosis and related diseases**  
 Ryutaro Kira  
 Fukuoka Children's Hospital
- S13-04 Immune-mediated necrotizing myopathy**  
 Akinori Uruha  
 Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

**S13-05 Juvenile idiopathic inflammatory myopathy**

Masaaki Mori

Department of Lifetime Clinical Immunology, Graduate School of Medical and Dental Sciences,  
Tokyo Medical and Dental University, Tokyo, Japan

**S13-06 Peripheral nerve hyperexcitability syndrome**

Akihiko Ishiyama

Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

**Symposium 14**

**JSGCT-JSCN Joint Symposium: Gene Therapy exploits the Future Innovative Medicine for Orphan Diseases**

Chairs : Takanori Yamagata (Department of Pediatrics, Jichi Medical University)

Takafumi Nakamura (Faculty of Medicine Tottori University)

**S14-01 Current Status of Gene and Cell Therapy**

Ryuichi Morishita

Department of Clinical Gene Therapy, School of Medicine, Osaka University

Hironori Nakagami

Department of Health Development and Medicine, Osaka University Graduate school of Medicine

**S14-02 Viral vectors**

Shin-ichi Muramatsu

Division of Neurological Gene Therapy, Jichi Medical University

**S14-03 Young investigators are welcome to the research field of gene therapy targeting intractable diseases.**

Makoto Otsu

Department of Transfusion and Cell Transplantation, Kitasato University School of Medicine,  
Sagamihara, Japan

**S14-04 Gene therapy regulation in Japan**

Akihiro Kume

Center for Clinical Investigation, Jichi Medical University Hospital, Shimotsuke, Japan

**S14-05 Genetic counselling in gene and cell therapy**

Atsushi Watanabe

Division of Clinical Genetics, Support center for Genetic Medicine, Kanazawa University hospital

**Symposium 15**

**Development for Practical Application of Gene Therapy in Orphan Diseases**

Chairs : Kazuhiro Muramatsu (Department of Pediatrics, Jichi Medical University)

Masafumi Onodera

(Gene & Cell Therapy Promotion Center, National Center for Child Health and Development)

**S15-01 Gene therapy using adeno-associated virus (AAV) vectors**

Hitoshi Osaka

Jichi Medical University, Shimotsuke, Japan

**S15-02 Cost-Effectiveness Analysis of Newborn Screening (NBS) for Spinal Muscular Atrophy (SMA) in Japan**

Akira Hata

Chiba Foundation for Health Promotion and Disease Prevention, Chiba, Japan

**S15-03 Gene therapy for child neurological diseases using AAV vector**

Karin Kojima

Department of Pediatrics, Jichi Medical University, Shimotsuke-shi, Tochigi, Japan

**S15-04 Current status and issues of Lentiviral vector mediated hematopoietic stem cell gene therapy**

Hiroshi Kobayashi

The Jikei University School of Medicine

- S15-05 Implementing oligonucleotide therapeutics for rare diseases:challenges and prospect**  
Tojo Nakayama  
Nucleotide and Peptide Drug Discovery Center, Tokyo Medical and Dental University, Tokyo, Japan
- S15-06 Development of oncolytic virus therapy for malignant glioma**  
Tomoki Todo  
Division of Innovative Cancer Therapy, Institute of Medical Science, The University of Tokyo

### Symposium 16

#### State-of-the-art neuroradiology and its application to pediatric neurology

Chairs : Jun-ichi Takanashi

(Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan)

Harushi Mori

(Department of Radiology, Jichi Medical University, School of Medicine, Tochigi, Japan)

- S16-01 Attempting of quantitative brain morphometry to pediatric disorders**  
Tadashi Shiohama  
Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan
- S16-02 Neurochemistry evaluated with MR spectroscopy**  
Jun-ichi Takanashi  
Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan
- S16-03 Advanced neurovascular imaging: arterial spin labeling, 4D MRA, vessel wall imaging**  
Hiroyuki Uetani  
Department of Diagnostic Radiology, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan
- S16-04 Multiparametric Relaxometry, Diffusion, and Myelin Imaging in Pediatric Neuroimaging**  
Shohei Fujita  
Martinos Center for Biomedical Imaging, Massachusetts General Hospital

### Symposium 17

#### Toward improving the quality of life of children with epilepsy

Chairs : Yoshimi Kaga

(Department of Pediatrics, Faculty of Medicine, Yamanashi University, Yamanashi, Japan)

Eiji Nakagawa

(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

- S17-01 Approach to psychogenic non-epileptic seizures in school children and adolescents**  
Go Taniguchi  
The Department of epileptology, National center of Neurology and Psychiatry, Tokyo, Japan
- S17-02 Treatment of neurodevelopmental comorbidities in children with epilepsy**  
Eiji Nakagawa  
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan
- S17-03 Cognitive, behavioral and neuropsychological consequences in children with epilepsy**  
Hideaki Kanemura  
Department of Pediatrics, Toho University Medical Center Sakura Hospital, Sakura, Japan

**S17-04 Cognitive function and sleep in children with epilepsy**

Yoshimi Kaga

Department of Pediatrics, Faculty of Medicine, Yamanashi University, Yamanashi, Japan

**Symposium 18**

**Scientific approaches to neurodevelopmental disorders -update of the latest findings-**

Chairs : Masaya Tachibana

(United Graduate School of Child Development, Osaka University, Suita, Japan)

Yoshifumi Mizuno

(Research Center for Child Mental Development University of Fukui, Fukui, Japan)

**S18-01 Pathological analyses and development of novel diagnostic method for autism spectrum disorder using model mice**

Noriyoshi Usui

Department of Neuroscience and Cell Biology, Graduate School of Medicine, Osaka University, Suita, Japan

**S18-02 Epigenomic signatures of child maltreatment**

Shota Nishitani

Research Center for Child Mental Development University of Fukui, Fukui, Japan

**S18-03 Neuroimaging approach to language development in autism spectrum disorder**

Yuko Yoshimura

Institute of Human and Social Science, Kanazawa University, Kanazawa, Japan

**S18-04 Developmental trajectories in childhood and neurodevelopmental disorders: a birth cohort approach**

Tomoko Nishimura

Research Center for Child Mental Development, Hamamatsu University School of Medicine, Shizuoka, Japan

**S18-05 Development and effectiveness of CBT for autistic adolescents and their parents: "Aware and Care for my Autistic Traits"**

Fumiyo Oshima

Research Center for Child Mental Development, Chiba University, Chiba, Japan

**S18-06 Creation of a clinical patient registry for neurodevelopmental disorders in Asia**

Masaya Tachibana

United Graduate School of Child Development, Osaka University, Suita, Japan

**Symposium 19**

**Genetic mimic of cerebral palsy (CP) : emerging evidence.**

Chairs : Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children)

Jitendra Kumar Sahu

(Pediatric Neurology Unit, Advanced Pediatric Centre, Postgraduate Institute of Medical Education and Research, Chandigarh, India)

**S19-01 Cerebral Palsy Mimics: a movement disorders service perspective**

Jean-Pierre Lin

General Neurology & Complex Motor Disorders Service Evelina Children's Hospital, Guy's & St Thomas' NHS Foundation Trust Lambeth Palace Road, London, UK

**S19-02 Unusual eye movements are a diagnostic clue for some "CP mimics"**

Toni Pearson

Nationwide Children's Hospital, Ohio State University College of Medicine, Columbus, Ohio, United States

**S19-03 Cerebral Palsy Mimic in India**

Jitendra Kumar Sahu

Pediatric Neurology Unit, Advanced Pediatric Centre, Postgraduate Institute of Medical Education and Research, Chandigarh, India

**S19-04 Childhood-onset Hereditary Spastic Paraplegia in the Differential Diagnosis of Cerebral Palsy**

Darius Ebrahimi-Fakhari

Department of Neurology, Boston Children's Hospital, Harvard Medical School

**S19-05 Monogenic CP-like disorders representing Segawa disease**

Kyoko Hoshino

Segawa Memorial Neurological Clinic for Children

**Symposium 20**

**Toward a therapeutic strategy for epilepsy from the viewpoint of immunological mechanisms: A Crosstalk between Basic and Clinical Research**

Chairs : Hiroshi Sakuma

(Department of Brain & Neurosciences, Tokyo Metropolitan Institute of Medical Science)

Gaku Yamanaka

(Department of Pediatrics and Adolescent Medicine, Tokyo Medical University)

**S20-01 Immunological approach to refractory pediatric epilepsy from a clinician's point of view**

Gaku Yamanaka

Department of Pediatrics and Adolescent Medicine, Tokyo Medical University

**S20-02 Intracerebral cytokine storm and secondary seizures after status epilepticus**

Kouichi Itoh

Kagawa School of Pharmaceutical Sciences, Tokushima Bunri University, Kagawa, Japan

**S20-03 Activated pericytes and late-onset seizure in a traumatic brain injury mouse model**

Fuyuko Takata

Department of Pharmaceutical Care and Health Sciences, Faculty of Pharmaceutical Sciences, Fukuoka University

**S20-04 Targeting astrocytes as drug targets for epileptic seizures**

Ryuta Koyama

Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan

**Symposium 21**

**Diagnosis and treatment of neurometabolic diseases: An update**

Chairs : Tomoyuki Akiyama (Department of Child Neurology, Okayama University)

Hitoshi Osaka (Jichi Medical University, Shimotsuke, Japan)

**S21-01 Metabolic epilepsies associated with vitamins and cofactors**

Tomoyuki Akiyama

Department of Child Neurology, Okayama University

**S21-02 Treatable Mitochondrial Diseases**

Hitoshi Osaka

Jichi Medical University, Shimotsuke, Japan

**S21-03 Lysosomal storage disorders: clinical aspects for early diagnosis and therapeutic approach update**

Aya Narita

Department of Child Neurology, Tottori University, Yonago, Tottori

**S21-04 Pediatric neurotransmitter diseases.**

Satoko Kumada

Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan



## **Symposium 22**

### **Better understanding developmental coordination disorder**

Chairs : Yoshimi Kaga

(Department of Pediatrics, Faculty of Medicine, Yamanashi University, Yamanashi, Japan)

Yosuke Kita (Department of Psychology, Faculty of Letters, Keio University, Tokyo, Japan)

#### **S22-01 Diagnosis of DCD - including differential diagnosis -**

Mitsuru Kashiwagi

Department of Pediatrics, Hirakata City Hospital

#### **S22-02 Applicability of the Movement Assessment Battery for Children-Second Edition to Japanese children**

Yosuke Kita

Department of Psychology, Faculty of Letters, Keio University, Tokyo, Japan

#### **S22-03 Occupational Therapy for children with developmental coordination disorder**

Ryoichiro Iwanaga

Nagasaki University Institute of Biomedical Sciences

#### **S22-04 Cognitive information processing for coordinative behavior**

Takahiro Higuchi

Department of Health Promotion Science, Tokyo Metropolitan University, Tokyo, Japan

## **Symposium 23**

### **Transitional medicine for childhood-onset neuromuscular diseases in collaboration with adult clinical departments (Special Committee for Measures Against Transition from Pediatric to Adult Health Care, Japanese Society of Neurology)**

Chairs : Toshio Saito

(Division of Child Neurology, Department of Neurology, National Hospital Organization Osaka Toneyama Medical Center, Toyonaka, Japan)

Katsuhisa Ogata

(Department of Neurology, National Hospital Organization Higashisaitama National Hospital, Hasuda, Japan)

#### **S23-01 An overview on pediatric-adult health care transition for patients with neurological disease.**

Katsuhisa Ogata

Department of Neurology, National Hospital Organization Higashisaitama National Hospital, Hasuda, Japan

#### **S23-02 How can the Japanese Society of Child Neurology collaborate with adult medical societies?**

Yusaku Miyamoto

Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki, Japan

#### **S23-03 Transitional medicine for neurologists**

Hideki Mochizuki

Department of Neurology, Osaka University Graduate School of Medicine, Osaka, Japan

#### **S23-04 What we learned from the questionnaire survey of members of the Japanese Society of Neurology**

Toshio Saito

Division of Child Neurology, Department of Neurology, National Hospital Organization Osaka Toneyama Medical Center, Toyonaka, Japan

#### **S23-05 Transition from pediatric to adult care based on peculiarities in patients with childhood-onset neurological diseases**

Yasuhiro Suzuki

Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Osaka, Japan



## Symposium 24

### Advanced approaches to West syndrome (IESS)

Chairs : Tohru Okanishi (Division of Child Neurology, Tottori University)  
Ayataka Fujimoto (Comprehensive epilepsy center, Seirei Hamamatsu general hospital)

#### S24-01 Pathophysiology of West syndrome from the view of neuroimaging

Jun Natsume

Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine

#### S24-02 Genetic background of Infantile epileptic spasms syndrome

Hirokazu Kurahashi

Department of pediatrics, Aichi Medical University, Nagakute, Japan

#### S24-03 Can quantitative EEG analysis be a useful predictor of the prognosis of IESS?

Sotaro Kanai

Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Yonago, Japan

#### S24-04 Surgical Treatment Approach for West Syndrome

Ryoko Honda

Department of Pediatrics, National Hospital Organization Nagasaki Medical Center

## Symposium 25

### Treatment strategies for children with sleep disorders

Chairs : Shigemi Kimura  
(Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)  
Michio Fukumizu (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

Introduction.

Shigemi Kimura

(Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)

#### S25-01 Therapeutic strategies for sleep disorders during infancy and early childhood

Michio Fukumizu

Segawa Memorial Neurological Clinic for Children, Tokyo, Japan

#### S25-02 Hypersomnia

Ikuko Mohri

United Graduate School of Child Development, Osaka University

#### S25-03 Treatment strategies for circadian rhythm sleep-wake disorder at school-aged children

Shigemi Kimura

Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan

#### S25-04 Sleep disorders in children with physical disability and malformation syndromes

Hajime Tanaka

Asahikawa Habilitation Center for Children

## Symposium 26

### Evaluation of motor functions in pediatric neurological disorders

Chairs : Jun Natsume  
(Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine)  
Kazuhiro Haginoya (Department of Neurology, Miyagi Children's Hospital)

#### S26-01 Developmental cerebral motor disorders - Yokochi hypothesis

Kenji Yokochi

Toyohashi Municipal hospital

- S26-02** Evaluation of posture and movement toward therapeutic intervention  
Hiroshi Arai  
Department of Pediatric Neurology, Bobath Memorial Hospital
- S26-03** The developmental assessment of early infantile period:general movements assessment  
Tomoki Maeda  
Department of Pediatrics, Oita University, Oita, Japan
- S26-04** Gait analysis of pediatric neurological disorders using three-dimensional motion analysis system  
Yuji Ito  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

### **Symposium 27**

#### **The premature phenotype of autism spectrum disorder**

Chairs : Akihito Takeuchi  
(Division of Neonatology and Child Neurology, National Hospital Organization Okayama Medical Center, Okayama, Japan)  
Ritsuko Takahashi (Kunimi no mori clinic)

- S27-01** Neurodevelopmental profiles of high-risk preterm infants:A single-institute prospective study for 9 years  
Michiko Torio  
Department of General Medicine, Fukuoka City Children's Hospital, Fukuoka, Japan
- S27-02** Analysis of novel mouse models of brain injuries in extremely preterm infants  
Ken-ichiro Kubo  
Department of Anatomy, The Jikei University School of Medicine, Tokyo, Japan
- S27-03** Encephalopathy of prematurity contributes to autism spectrum disorder in preterm infants  
Anna Shiraki  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- S27-04** The phenotypic characteristics and risk factors of children born preterm with autism spectrum disorder  
Yukiyo Nagai  
Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital
- S27-05** Characteristics of preterm infants with autism spectrum disorder in terms of the development of visual cognition  
Kimiko Deguchi  
Deguchi Pediatric Clinic for Kids and Family, Nagasaki, Japan

### **Symposium 28**

#### **Genomic medicine and pediatric neurology**

Chairs : Shinji Saitoh  
(Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)  
Toshiki Takenouchi  
(Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)

- S28-01** Frontiers in Genomic Analysis:Diagnostic Genomic Approaches to Pediatric Neurological Disorders  
Noriko Miyake  
Department of Human Genetics, Research Institute, National Center for Global Health and Medicine

**S28-02 Flowchart of Genomic Diagnosis:From Chromosomal Microarray testing to Whole Genome Analysis**

Toshiyuki Yamamoto

Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan

**S28-03 A challenge to complex diseases by genomic analysis:is precision medicine possible?**

Atsushi Takata

RIKEN Center for Brain Science, Saitama. Japan

## Committee Seminar

### Committee Seminar 1

#### How should academic societies respond to dishonesty for peer review system?

Chairs : Toshiyuki Yamamoto

(Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)

Katsuhiro Kobayashi

(Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)

**CS1-01 Protecting independent and robust peer-review procedures for scientific and medical research - the perspective of a publisher**

Mihail Grecea

Publishing Ethics Expert, Elsevier

**CS1-02 Peer review fraud seen by journalists.**

Shinpei Torii

The Mainichi Newspapers Science and Environmental News Department, Tokyo, Japan

**CS1-03 Can academia's structure address article peer review misconduct?**

Fuji Nagami

Tohoku University Tohoku Medical Megabank Organization, Sendai, Japan

### Committee Seminar 2

#### Revisiting the Hemorrhagic Shock and Encephalopathy Syndrome (HSES) in Japan

Chairs : Jun-ichi Takanashi

(Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan)

Yoshihiro Maegaki

(Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University)

**CS2-01 Hemorrhagic shock encephalopathy syndrome (HSES) overview in Japan**

Jun-ichi Takanashi

Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan

**CS2-02 Hemorrhagic Shock and Encephalopathy outside Japan**

Akihisa Okumura

Department of Pediatrics, Aichi Medical University, Nagakute, Japan

**CS2-03 Clinical Features of Hemorrhagic Shock Encephalopathy Syndrome (HSES) in Japan**

Ichiro Kuki

Division of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

**CS2-04 COVID-19 related hemorrhagic shock and encephalopathy syndrome (HSES)**

Hiroshi Sakuma

Department of Brain & Neurosciences, Tokyo Metropolitan Institute of Medical Science

**CS2-05 Pathophysiology and treatment of hemorrhagic shock and encephalopathy syndrome in Japan**

Masahiro Nishiyama

Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan

**CS2-06 Problems and future issues from the standpoint of the comparison of HSES in Japan and overseas**

Yuichi Abe

Division of Neurology, National Center for Child Health and Development

**Committee Seminar 3**

**Protection of children with respirators in disasters, using the community network**

Chairs : Shigemi Kimura

(Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)

Shiro Ozasa

(Center for Children's Medical Homecare, Kumamoto University Hospital, Kumamoto, Japan)

**Outline of community network for children with ventilator in disasters**

Introduction.

Shigemi Kimura

(Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)

**CS3-01 Disaster Preparedness for Children with Medical Care Needs**

Yuko Nakamura

The Department of Child Neurology, Tottori University, Tottori, Japan

**CS3-02 Efforts to build a regional network for children with home ventilators in case of a disaster.**

Yoshihiro Toda

Department of Pediatrics, Tokushima University Hospital, Tokushima, Japan

**CS3-03 Disaster countermeasures for children with medical complexity in Kumamoto Prefecture**

Shiro Ozasa

Center for Children's Medical Homecare, Kumamoto University Hospital, Kumamoto, Japan

**CS3-04 Activities of chiba pediatric disaster network (CPD-Net)**

Mitsuko Ishii

Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan

**CS3-05 Seamless disaster support for every children. Liaison Council on the Iwate Children's Healthcare**

Manami Akasaka

Department of Pediatric, School of Medicine, Iwate Medical University, Iwate, Japan

**Committee Seminar 4**

**Discussion on drug dependence in the pediatric neurological field**

Chairs : Eiji Nakagawa

(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

Keiko Ishigaki

(Department of Pediatrics, Tokyo Women's Medical University, School of Medicine)

**CS4-01 Expectations and Problems in the Introduction of Cannabidiol in Intractable Epilepsy**

Eiji Nakagawa

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

**CS4-02 Pathogenesis of drug addiction**

Toshihiko Matsumoto  
National Center of Neurology and Psychiatry

**CS4-03 Current status of CBD regulation in Japan and summary of the subcommittee on reviewing cannabis regulation**

Daisuke Takeuchi  
Compliance and Narcotics Division, Pharmaceutical Safety and Environmental Health Bureau  
Ministry of Health, Labour and Welfare Japan, Tokyo, Japan

**Committee Seminar 5**

**The option of making an international contribution to career development**

Chairs : Naoko Ishihara (Department of Pediatrics, Fujita Health University School of Medicine)  
Iori Ohmori (Faculty of Education, Okayama University, Okayama, Japan)

**CS5-01 Challenges and Supports for children with disabilities in low- and middle-income countries**

Yasuhiko Kamiya  
School of Tropical Medicine and Global Health, Nagasaki University, Nagasaki, Japan

**CS5-02 Open Sogo-Fujo, A form of mutual assistance that transcends boundaries**

Shigeru Suganami  
The Association of Medical Doctors of Asia

**CS5-03 International Contribution Focusing on Children's Health and Happiness from the Perspective of a Community Pediatrician**

Hisashi Takasugi  
Medical Corporation TAKASUGI group, Takasugi Children's Clinic, Soja city, Okayama, Japan

**Committee Seminar 6**

**Let's talk with patients and families!**

Chairs : Katsunori Fujii  
(Department of Pediatrics, International University of Health and Welfare, Chiba, Japan)  
Yusaku Miyamoto  
(Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki, Japan)

**CS6-01 The role of Japan and overseas patients' family associations: promoting collaboration with the JSCN.**

Mitsuhiro Kato  
Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan

**CS6-02 Supported by children with severe disabilities**

Kyoko Koyama  
Nationwide Association for Children Persons with Severe Physical and Intellectual Disabilities

**CS6-03 The Reality and Hopes of Families of Patients with Dravet Syndrome, an Intractable Epilepsy**

Ruby Kuroiwa  
Dravet Syndrome Family Association of Japan

**Committee Seminar 7**

**Medical safety of children with seizures and epilepsy in the out-of-hospital setting**

Chairs : Susumu Ito (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)  
Rie Miyata (Tokyo-Kita Medical Center)

**CS7-01 A survey of nursery and school children with seizures or epilepsy**

Susumu Ito  
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

- CS7-02 A Survey of the use of buccal midazolam at Non-Medical Facilities**  
Madoka Hoshide  
Department of Pediatric Emergency and Community Medicine, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan
- CS7-03 Response to seizures at educational institutions, etc.**  
Seigo Korematsu  
Department of Pediatrics, Saitama Medical Center, Saitama Medical University, Saitama, Japan
- CS7-04 School life management of epileptic children in educational institutions**  
Mitsuko Ishii  
Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan

### **Committee Seminar 8**

#### **To promote translational research**

Chairs : Hitoshi Osaka (Jichi Medical University, Shimotsuke, Japan)  
Jun Tohyama (NHO Nishiniigata Chuo Hospital, Niigata, Japan)

- CS8-01 Road to investigator-initiated clinical trial for friends with ATR-X syndrome**  
Takahito Wada  
Department of Genomic Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan
- CS8-02 Development of DNA/RNA heteriduplex oligonucleotide (HDO)**  
Takanori Yokota  
Tokyo Medical and Dental University
- CS8-03 Promoting drug discovery using patients registry for HAM**  
Yoshihisa Yamano  
Department of Neurology, St. Marianna University School of Medicine, Kawasaki, Japan

### **Committee Seminar 9**

#### **Problems and solutions of medical care at schools after the promulgation of the Act on Support for Children with Medical Care**

Chairs : Akira Yoneyama  
(Department of Pediatrics & Child Psychiatry, Medical Division, National Medical and Educational Consulting Center for Children)  
Shiro Ozasa  
(Center for Children's Medical Homecare, Kumamoto University Hospital, Kumamoto, Japan)

- CS9-01 Current status and issues of medical care**  
Shiro Ozasa  
Center for Children's Medical Homecare, Kumamoto University Hospital, Kumamoto, Japan
- CS9-02 Medical Care Issues and Response at School**  
Kazuhiko Kanno  
Ministry of Education, Culture, Sports, Science and Technology-Tokyo, Japan
- CS9-03 Practical problems of "medical care" at schools after enforcement of the support law.**  
Atsushi Araki  
Osaka Asahi Children's Hospital
- CS9-04 What does the "ability to attend school without a parental chaperone" in the Medical Care Children Support Act mean?**  
Takasuke Amizuka  
Aomori Prefectural Central Hospital, Aomori, Japan
- CS9-05 Supporting medically-cared-for children in the community as a general practitioner and home health care physician**  
Kenichi Ogata  
Ogata Pediatrics & Internal Medicine Clinic, Kumamoto, Japan

## Committee Seminar 10

### Toward expanding indications for genetic testing

Chairs : Eiji Nakagawa

(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

Naoyuki Tanuma

(Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)

#### Overview of the seminar

Overview :

Naoyuki Tanuma

Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan

#### CS10-01 Genetic testing for rare diseases

Kenji Kurosawa

Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan

#### CS10-02 Genetic testing of epilepsy

Eri Takeshita

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Kodaira, Japan

#### CS10-03 Challenges from the perspective of a contract genetic testing laboratory

Osamu Ohara

Department of Applied Genomics, Kazusa DNA Research Institute, Kisarazu, Japan

## Practical Educational Seminar

### Practical Educational Seminar 1

#### To learn about Skeletal Muscular Imaging for Neuromuscular Diseases

Chairs : Keiko Ishigaki

(Department of Pediatrics, Tokyo Women's Medical University, School of Medicine)

Hirofumi Komaki

(Translational Medical Center, National Center of Neurology and Psychiatry)

#### PES1-01 Basics of Skeletal Muscle Imaging and how to use it

Keiko Ishigaki

Department of Pediatrics, Tokyo Women's Medical University, School of Medicine

#### PES1-02 Utility of skeletal muscle imaging to adult clinical neuromuscular diseases

Madoka Mori-Yoshimura

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry

#### PES1-03 Muscle images in pediatric patients with neurogenic disorders

Yuko Motohashi

National Center of Neurology and Psychiatry

#### PES1-04 Muscle imaging in pediatric myogenic diseases

Takatoshi Sato

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

### Practical Educational Seminar 2

#### Diagnosis of epileptic seizures and related disorders for the child neurologist

Chairs : Jun Tohyama (NHO Nishiniigata Chuo Hospital, Niigata, Japan)

Ryoko Honda

(Department of Pediatrics, National Hospital Organization Nagasaki Medical Center)



- PES2-01** **Epileptic Seizure Diagnosis and Differential Disorders for the Neuropediatrician**  
Hideaki Shiraishi  
Department of Pediatrics, Hokkaido University Hospital Epilepsy Center, Sapporo, Hokkaido
- PES2-02** **Seizure semiology for epilepsy surgery.**  
Ryoko Honda  
Department of Pediatrics, National Hospital Organization Nagasaki Medical Center
- PES2-03** **Recurrent paroxysmal events or conditions which may be misdiagnosed as epileptic seizures**  
Jun Tohyama  
NHO Nishiniigata Chuo Hospital, Niigata, Japan

### **Practical Educational Seminar 3**

#### **Lectures on basic and practical knowledge useful in the comprehensive intervention for children with cerebral palsy**

Chairs : Hiroshi Arai (Department of Pediatric Neurology, Bobath Memorial Hospital)  
Koichi Maruyama (Aichi Developmental Disability Center Central Hospital)

- PES3-01** **Correct diagnosis of cerebral palsy: Tips for evaluation in clinical history, brain MRI, and motor symptoms**  
Yukihiro Kitai  
Department of Pediatric Neurology, Bobath Memorial Hospital
- PES3-02** **Efficient practice on Botulinum treatment for childhood cerebral palsy**  
Atsuo Nezu  
Yokohama Medical and Welfare Centre, Konan
- PES3-03** **Welfare services and supports for children with cerebral palsy and their family.**  
Koichi Aizaki  
Charlotte Child Development Clinic, Tokyo, Japan
- PES3-04** **Collaborate organically with multiple professions in the age of living with COVID-19**  
Izumi Kadono  
The Third Department of Rehabilitation, Aichi Developmental Disability Center Central Hospital, Aichi, Japan

### **Practical Educational Seminar 4**

#### **Observe young legends in their outpatient headache clinics.**

Chairs : Akira Nishimura  
(Department of Pediatrics & Neonatology, Japanese Red Cross Society Kyoto Daiichi Hospital)  
Hideki Shimomura (Department of Pediatrics, Hyogo Medical University School of Medicine)

- PES4-01** **The management of adult outpatients with Medication-Overuse headache in clinical practice**  
Ryotaro Ishii  
The Department of Neurology, Kyoto Prefectural University of Medicine, Kyoto, Japan  
patient role: Yasunori Ishihara (Department of Pediatrics, Fukui Aiku Hospital)
- PES4-02** **Headache with orthostatic dysregulation in children and adolescents**  
Soken Go  
Department of Pediatrics and Adolescent Medicine, Tokyo Medical University, Tokyo, Japan  
patient mother role: Hiroko Matsushita (Department of Pediatrics, JCHO Osaka Hospital)  
patient son role: Shigemi Morioka  
(Department of Pediatrics, Japanese Red Cross Society Kyoto Daini Hospital)



### **Practical Educational Seminar 5**

#### **Three practical methods for pediatric palliative care.**

Chairs : Ryutaro Kira (Fukuoka Children's Hospital)

Shin Okazaki (Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

#### **Opening Remark**

Ryutaro Kira

Fukuoka Children's Hospital

#### **PES5-01 Approach to symptom assessment and management for children with neurological conditions**

Nobuyuki Yotani

Division of Palliative Medicine, National Center for Child Health and Development, Tokyo, Japan

#### **PES5-02 Communication with family in difficult situations**

Shin Okazaki

Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

#### **PES5-03 How we can discuss about life sustaining treatments for children with severe disabilities.**

Momoko Sasazuki

Seinan Jogakuin University, Faculty of Health and Welfare, Fukuoka, Japan

### **Practical Educational Seminar 6**

#### **Neuroimaging for Pediatric Neurologists 2023**

Chairs : Jun-ich Takanashi

(Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan)

Hiroshi Oba (Department of Radiology, Teikyo University School of Medicine)

#### **PES6-01 Normal image of the cerebrum and diagnostic imaging**

Masayuki Maeda

Department of Neuroradiology, Mie University School of Medicine, Tsu, Japan

#### **PES6-02 Anatomy and diagnostic imaging of basal gangli and diencephalon**

Hiroshi Oba

Department of Radiology, Teikyo University School of Medicine

#### **PES6-03 Basic diagnostic imaging of the brainstem and cerebellum**

Harushi Mori

Department of Radiology, Jichi Medical University, School of Medicine, Tochigi, Japan

#### **PES6-04 Normal development and diagnostic imaging of the spine and spinal cord**

Mikako Enokizono

Department of Radiology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

### **Practical Educational Seminar 7**

#### **Lectures for in-depth EEG knowledge**

Chairs : Tohru Okanishi (Division of Child Neurology, Tottori University)

Kazuo Okanari (The Department of Pediatrics, Oita Prefectural Hospital, Oita, Japan)

#### **PES7-01 EEG findings confusing with epileptic discharges**

Kazuo Okanari

The Department of Pediatrics, Oita Prefectural Hospital, Oita, Japan

#### **PES7-02 How to interpret the EEG trends with aEEG and its clinical significance**

Hiroyuki Yamamoto

Department of Pediatrics, Nagoya University School of Medicine

**PES7-03 EEG frequency analysis: methods and practical examples of EEG analysis**

Masayoshi Oguri

Department of Medical Technology, Kagawa Prefectural University of Health Sciences, Takamatsu, Japan

**PES7-04 Interpretation of ictal EEG in childhood epilepsy**

Susumu Ito

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

**Practical Educational Seminar 8**

**Lessons Learned from Misdiagnosis (4)**

Chairs : Masaya Kubota

(Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan)

Katsuo Sugita

(Division of Child Neurology, Chiba Municipal Development Center, Chiba, Japan)

**PES8-01 Spontaneous and reflex movements after diagnosis of clinical brain death : A lesson from acute encephalopathy**

Masaya Kubota

Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan

**PES8-02 Historical aspects for diagnostic errors**

Katsuo Sugita

Division of Child Neurology, Chiba Municipal Development Center, Chiba, Japan

**PES8-03 The structural differences of diagnostic errors between the United States and Japan : The Child Neurology perspective**

Yoshimi Hisamoto

Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan

**PES8-04 Lessons learned from missed cases at our neurological department**

Toshio Fukutake

Department of Neurology, Kameda Medical Center, Chiba, Japan

**Practical Educational Seminar 9**

**How to explain the results of genetic testing**

Chairs : Takenori Tozawa

(Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan)

Toshiki Takenouchi

(Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)

**PES9-01 How to better explain chromosomal microarray testing results**

Tomohiro Chiyonobu

Department of Medical Genetics, Kyoto Prefectural University of Medicine, Kyoto, Japan

**PES9-02 Interpretation of Variants Obtained from Comprehensive Genomic Analysis and Explanation to Families**

Toshiki Takenouchi

Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

**PES9-03 Difficult decisions with genetic tests**

Mariko Taniguchi-Ikeda

Department of Clinical Genetics, Fujita Health University Hospital, Toyoake, Aichi, JAPAN

**PES9-04 Mitochondrial DNA abnormality**

Masakazu Mimaki

Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan

## Practical Educational Seminar 10

### 10th practical genetics seminar: interpretation of microarray chromosome analysis and exome sequencing

#### Speaker :

Shinji Saitoh

Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences

Toshiyuki Yamamoto

Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan

Yasunari Sakai

Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University

Hitoshi Osaka

Jichi Medical University, Shimotsuke, Japan

Takahito Wada

Department of Genomic Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan

Kyoko Takano

Center for Medical Genetics, Shinshu University Hospital

#### Tutor :

Takeshi Yoshida

Department of Pediatrics, Kyoto University Graduate School of Medicine

Tetsuya Okazaki

Division of Clinical Genetics, Tottori University Hospital

Pin Fee Chong

Department of Pediatrics, Kyushu University, Fukuoka, Japan

Ayumi Matsumoto

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

Yoshiteru Azuma

Department of Pediatrics, Aichi Medical University

Yuji Nakamura

Department of Pediatrics, Nagoya City University

## Practical Educational Seminar 11

### Meet the Experts: Carrier Consultation available in Basic, Clinical, and Translational Research related to Child Neurology

Chairs : Kazuhiro Muramatsu (Department of Pediatrics, Jichi Medical University)

Tomonari Awaya

(Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine, Kyoto, Japan)

#### Speaker :

Norimichi Higurashi

Department of Pediatrics, Jikei University School of Medicine

Tohru Okanishi

Division of Child Neurology, Tottori University

Keiko Ishigaki

Department of Pediatrics, Tokyo Women's Medical University, School of Medicine

Karin Kojima

Department of Pediatrics, Jichi Medical University, Shimotsuke-shi, Tochigi, Japan

Yoshifumi Mizuno

Research Center for Child Mental Development University of Fukui, Fukui, Japan

Takeshi Yoshida

Department of Pediatrics, Kyoto University Graduate School of Medicine

## Civil Open Lecture

### Civil Open Lecture

#### Rearing for digital native generation: avoiding conflict between parents and children

Chairs : Tatsuya Ogino (Child Developmental Support Center, Fukuyama City)

Ayumi Okada

(Department of Pediatrics, Okayama Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)

#### COL-01 Countermeasures for Smartphone and Internet Problems in Okayama

Fumiya Wake

Board of Education, Okayama Prefecture

Kazunori Matsumura

Board of Education, Okayama Prefecture

#### COL-02 How to use a diagnosis of gaming disorder

Daichi Furuta

Okayama Psychiatric Medical Center

#### Special Lecture Rearing for digital native generation: avoiding conflict between parents and children

Susumu Higuchi

National Hospital Organization Kurihama Medical and Addiction Center

## General Oral Platform Presentation

### General Oral Platform Presentation 1

#### Neurosurgery

Chairs : Ayataka Fujimoto (Comprehensive epilepsy center, Seirei Hamamatsu general hospital)

Satoshi Ihara

(Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

#### 01-01 Epilepsy surgery for drug-resistant epilepsy due to FCD in eloquent cortex.

Kazuki Nishioka

Department of Neurosurgery, Nerima hospital, Juntendo University, Tokyo, Japan

#### 01-02 A case of West syndrome from close to the primary motor cortex with difficulty in selecting a surgical technique

Yukie Tokioka

Department of Child Neurology, University of Okayama, Okayama, Japan

#### 01-03 Factors that may lead to prolonged inactivity or anorexia after corpus callosotomy

Hiroki Tsuchiya

Department of Child Neurology, Okayama University Hospital, Okayama, Japan

#### 01-04 A case of tuberous sclerosis complex with seizure freedom after partial tuber resection

Hiroharu Suzuki

Department of Neurosurgery, Juntendo University, Tokyo, Japan

#### 01-05 Surgical results in patients with hypothalamic hamartoma younger than two years

Hiroshi Shirozu

Department of Functional Neurosurgery, National Hospital Organization Nishiniigata Chuo Hospital

**01-06** Deep brain stimulation is effective for movement disorders in children with KMT2B mutations.

Tomoko Ohara

Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

**01-07** A Study of the Pathological Significance of Filum Terminale Lipoma Based on Natural History and Surgical Outcome

Jun Kurihara

Department of Neurosurgery, Saitama Children's Medical Center

## General Oral Platform Presentation 2

### Sleep disorders

Chairs : Michio Fukumizu (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)  
Kumi Kato-Nishimura (Ota Memorial Sleep Center)

**02-01** Efficacy of Melatonin for epileptic children with sleep disorders

Yutaro Tomi

Department of Pediatrics, Toho University Medical Center Sakura Hospital, Sakura, Japan

**02-02** Efficacy of Melatonin for pediatric Restless Legs Syndrome(RLS)

Yuri Nagao

Segawa Memorial Neurological Clinic for Children, Tokyo, Japan

**02-03** Clinical and EEG findings in a boy with symptomatic hypersomnia due to optic glioma

Azusa Shinozaki

Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan

**02-04** The relation between EEG findings and sleep quality in patients with self-limited epilepsy with centrotemporal spikes

Yumekichi Maeda

Department of Pediatrics, University of Fukui, Fukui, Japan

**02-05** Relationship between sleep in 3-year-olds and first grade academic performance; population-based study in Amagasaki city

Masahiro Nishiyama

Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan

## General Oral Platform Presentation 3

### Epilepsy; diagnosis, genetics 1

Chairs : Keiko Yanagihara

(Department of Pediatric Neurology, Osaka Women's and Children's Hospital)

Tetsuhiro Fukuyama (Department of Pediatrics, Shinshu University School of Medicine)

**03-01** Case of lobar holoprosencephaly with intractable epilepsy of three days seizure onset

Haruna Mitsuya

Hirakata city Hospital, Osaka, Japan

**03-02** A case of suspected epilepsy with seizure focus in the interhemispheric fissure by three phase-ictal scalp EEG pattern

Kensuke Kumazaki

Department of Pediatric Neurology, University of Tottori

**03-03** A boy with intractable epilepsy with aortopulmonary collateral arteries and identification of KCNT1 mutation.

Kentaro Okada

Department of Pediatrics, Kumamoto University Hospital, Kumamoto, Japan

- 03-04 Clinical features of epilepsy in pediatric patients with WDR45 variants**  
Mitsuhiro Miyashita  
Department of Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
- 03-05 A case of DNM1 encephalopathy with delayed myelination**  
Kohei Matsubara  
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
- 03-06 Clinical investigation of epilepsy syndrome with comprehensive genetic analysis**  
Taisuke Yamauchi  
Department of Pediatrics, Tokyo Medical and Dental University, Bunkyo, Japan

#### **General Oral Platform Presentation 4**

##### **Epilepsy; treatment**

Chairs : Fumika Endoh (National Hospital Organization Minami-Okayama Medical Center)  
Masafumi Sanefuji (Pediatrics, Saga University)

- 04-01 Safety of buccal midazolam for pediatric status epilepticus as prehospital treatment**  
Takuya Ueda  
Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan
- 04-02 Buccal midazolam for 106 children with epilepsy**  
Rikako Takeda  
Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- 04-03 Efficacy and Adverse Effect of Lorazepam**  
Shingo Numoto  
Department of Pediatrics, Aichi Medical University, Aichi, Japan
- 04-04 Remission of generalized tonic seizures with perampanel in a boy with STXBP1 deletion-related epileptic encephalopathy**  
Haruka Takami  
Department of Pediatrics, Jikei University, Tokyo, Japan
- 04-05 A case of complete response to zonisamide for atonic seizures associated with the AP2M1 variant.**  
Kazuyuki Nakamura  
Department of Pediatrics, Faculty of Medicine, Yamagata University, Yamagata, Japan
- 04-06 A case of SCN8A related DEE treated with gabapentin for persistent involuntary movement.**  
Mitsuru Ikeno  
Department of Pediatrics Juntendo University Faculty of Medicine, Tokyo, Japan
- 04-07 Effectiveness of change in dosage form of antiepileptic drugs in childhood epilepsy**  
Atsuko Oba  
Department of Pediatrics, The Jikei University Kashiwa Hospital

#### **General Oral Platform Presentation 5**

##### **Epilepsy pathophysiology**

Chairs : Mitsumasa Fukuda (Tokyo Metropolitan Neurological Hospital)  
Tomonari Awaya  
(Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine, Kyoto, Japan)

- 05-01 Interleukin-1b in peripheral monocytes is associated with seizure frequency in pediatric drug-resistant epilepsy**  
Tomoko Takamatsu  
Department of Pediatrics and Adolescent Medicine, Tokyo Medical University

- 05-02**    **Connexin inhibitors can prevent the increased susceptibility of seizure after status epilepticus**  
 Hiroki Hoshino  
 Department of Neuropharmacology, Interdisciplinary of Graduate School of Medicine, University of Yam
- 05-03**    **Effects of antiepileptic drugs on the neurotransmitters in the zebrafish pentylenetetrazol-induced seizure model**  
 Kazuo Okanari  
 Department of Pediatrics, Oita Prefectural Hospital
- 05-04**    **Clinical immunological study of post-traumatic epilepsy**  
 Satoshi Mizutani  
 NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
- 05-05**    **Morphological and functional characteristics of PCDH19-knockout induced-excitatory neurons**  
 Norimichi Higurashi  
 Department of Pediatrics, Jikei University School of Medicine
- 05-06**    **10 years Metabolomics analysis of GC/MS and MS/MS for West syndrome**  
 Takayoshi Koike  
 Department of Pediatrics, University of Kurume, Kurume, Japan

## General Oral Platform Presentation 6

### Imaging

Chairs : Jun Natsume

(Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine)

Tadashi Shiohama

(Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan)

- 06-01**    **White matter microstructure in language networks of autism spectrum disorder**  
 Min Li  
 Division of Developmental Neuroscience, United Graduate School of Child Development, Osaka University
- 06-02**    **Resting-State functional MRI analysis in Duchenne and Becker muscular dystrophy**  
 Masahiro Kawaguchi  
 Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 06-03**    **Neurochemistry evaluated by MR spectroscopy in a patient with FBXO28-related developmental and epileptic encephalopathy**  
 Kentaro Sano  
 Department of pediatrics, Tokyo Women's medical university Yachiyo medical center, Chiba, Japan
- 06-04**    **Diffusion tensor imaging analysis for West syndrome with unknown etiology in school age**  
 Fumi Sawamura  
 Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 06-05**    **MRI volumetric analysis in Rett syndrome**  
 Hajime Narita  
 Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 06-06**    **Study on the usefulness of TSPO-PET in focal epilepsy**  
 Maya Izumoto  
 United Graduate School of Child Development, Osaka University, Osaka, Japan



**06-07 Brain imaging findings observed in patients with COL4A1-related diseases**

Ken Imai

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

**General Oral Platform Presentation 7**

**Neurodevelopmental disorders 1**

Chairs : Yoshimi Kaga

(Department of Pediatrics, Faculty of Medicine, Yamanashi University, Yamanashi, Japan)

Makio Oka

(Division of Child and Adolescent Mental Health, Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

**07-01 Longitudinal Course of Bilateral Measurement in Core Symptoms of Toddlers with Autism Spectrum Disorder**

Hiroataka Saito

Department of Rehabilitation Medicine, Dokkyo Medical University Saitama Medical Center, Saitama, Japan

**07-02 Evaluation of autonomic nervous function in autism spectrum disorder by precise light reflex measurement**

Michi Takahashi

Shimada Ryoiku Medical Center for Challenged Children

**07-03 Physical symptoms in children with neurodevelopmental disorders**

Megumi Tanaka

Department of Pediatrics, Hyogo Medical University, Hyogo, Japan

**07-04 Cardiorespiratory Progress in ADHD Children with Easy Fatigue and Physical Inactivity Due to ADHD Medication Use**

Ken Kikuchi

Nobita Medical Corporation, Tokyo, Japan

**07-05 Impaired function of PLEKHG2 disrupts corticogenesis in neurodevelopmental phenotypes**

Masashi Nishikawa

Department of Biological Sciences, Nagoya University, Nagoya, Japan

**General Oral Platform Presentation 8 Infection, immunity**

Chairs : Yuji Inaba (Division of Neuropediatrics, Nagano Children's Hospital)

Terumi Murakami (National Hospital Organization Higashisaitama National Hospital)

**08-01 A 13-year-old girl with remission of thymic hyperplasia and myasthenia gravis along with improvement of Graves' disease**

Mari Asakura

Department of Pediatrics, Showa General Hospital, Tokyo, Japan

**08-02 Efficacy of Efgartigimod in the Treatment of Childhood-Onset Generalized Myasthenia Gravis Complicated by SLE**

Koji Nagatani

Department of Pediatrics, Uwajima City Hospital, Ehime, Japan

**08-03 Nipocalimab MG program**

Sayuri Watanabe

Janssen Pharmaceutical K.K., Tokyo, Japan

**08-04 Efficacy of acute intravenous immunoglobulin therapy for myasthenia gravis in children**

Hirokazu Takeuchi

Division of Neurology, Saitama Prefectural Childrens Medical Center, Saitama, Japan



- 08-05**    **The Road to Diagnosis: profiling the diagnostic Odyssey in pediatric Guillain-Barre syndrome**  
 Yoko Kobayashi  
 Division of Pediatric Neurology, National Center for Child Health and Development, Tokyo, Japan
- 08-06**    **Neuroinflammatory signals in human induced microglia-like cells**  
 Kousuke Yonemoto  
 Department of Pediatrics, Kyushu University, Fukuoka, Japan
- 08-07**    **A case of opsoclonus-myoclonus syndrome relapsing symptoms with recovery of B cells**  
 Kaori Miyana  
 Japanese Red Cross medical center, Tokyo, Japan

### General Oral Platform Presentation 9

#### Muscle

Chairs : Yuko Motohashi (National Center of Neurology and Psychiatry)  
 Hiroyuki Awano (Organization for Research Initiative and Promotion, Tottori University)

- 09-01**    **An Observational Study to Assess Biomarkers in Patients with Duchenne Muscular Dystrophy**  
 Yuki Kihara  
 Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan
- 09-02**    **MRI measurements of extraocular muscle volume and signal intensity in (patients with) Duchenne muscular dystrophy**  
 Ryosuke Suzui  
 Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 09-03**    **A cross-sectional study of skeletal muscle MRI in Japanese Duchenne muscular dystrophy**  
 Yukako Yae  
 Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry
- 09-04**    **A case of anti-HMGCR antibodies positive inflammatory myopathy treated with regular intravenous immunoglobulin therapy**  
 Tsubasa Morita  
 Department of Pediatrics, Dokkyo Medical University Saitama Medical Center, Saitama, Japan
- 09-05**    **Congenital myopathy with myopathologically myofibrillar myopathy-like structures and TTN variants**  
 Yusuke Aoki  
 Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan
- 09-06**    **A case of myopathy with TTN gene mutation in infancy**  
 Manaka Matsunaga  
 Department of Pediatrics, University of Kagoshima, Kagoshima, Japan

### General Oral Platform Presentation 10

#### Electrophysiology (EEG, EMG, MEG etc.)

Chairs : Ryoko Honda  
 (Department of Pediatrics, National Hospital Organization Nagasaki Medical Center)  
 Tohru Okanishi (Division of Child Neurology, Tottori University)

- 010-01**    **Quantitative analyses in EEG may predict the efficacy of ACTH therapy for infantile epileptic spasms syndrome**  
 Sotaro Kanai  
 Division of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan

- 010-02** Based score in infantile epileptic spasms syndrome: developmental prognosis and relapse of epileptic spasms  
Masahiro Umeda  
Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori Uni
- 010-03** Modulation index predicts effect of ethosuximide on epileptic encephalopathy with continuous spike-and-wave in sleep  
Takashi Shibata  
Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmac
- 010-04** EEG-fMRI analysis for evaluation of epileptic focus and brain network abnormalities in epilepsy after AESD  
Takamasa Mitsumatsu  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 010-05** Prognostic factors of critically ill children with slow wave activities on the background of continuous EEG monitoring  
Motomasa Suzuki  
Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan
- 010-06** Paroxysmal occipital discharges with fixation-off sensitivity in an epileptic girl with atypical absence  
Takamasa Kishi  
Department of Pediatrics, Araki Neurosurgical Hospital
- 010-07** Prospective cohort study on tactile traits at early infancy and interhemispheric coherence in somatosensory cortex  
Chiori Kamiya  
United Graduate School of Child Development, Osaka University, Osaka, Japan

### General Oral Platform Presentation 11

#### Genetic abnormality, Chromosomal aberration, Congenital anomaly 1

- Chairs : Takahito Wada  
(Department of Genomic Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan)  
Karin Kojima  
(Department of Pediatrics, Jichi Medical University, Shimotsuke-shi, Tochigi, Japan)
- 011-01** Genetic counseling for Miller-Dieker syndrome with Charcot-Marie-Tooth disease revealed by chromosome microarray testing  
Reimi Sogawa  
Department of Clinical Genetics and Genomic Medicine, Okayama University Hospital, Okayama, Japan
- 011-02** A case of PCDH12-associated disease  
Yuko Ichimiya  
Department of Pediatrics, Kyushu University, Fukuoka, Japan
- 011-03** Dravet syndrome with HSES due to a new 21bp deletion in intron of SCN1A confirmed by minigene analysis  
Hiroaki Hanafusa  
Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
- 011-04** A case of 6p25 deletion with Noonan syndrome like features  
Ikko Oshiro  
Department of Pediatric Neurology, University of Tottori, Yonago, Japan

**011-05 6q22.1 microdeletion in a family with epilepsy, mild intellectual developmental disorder, tremor, and scoliosis**

Tomoya Iwasaki

Department of Pediatrics, University of Tsukuba Hospital, Ibaraki, Japan

**011-06 A study of the clinical features of Angelman syndrome**

Masanori Fujimoto

Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatolog

**General Oral Platform Presentation 12****Genetic abnormality, Chromosomal aberration, Congenital anomaly 2**

Chairs : Yo Niida (Center for Clinical Genomics, Kanazawa Medical University Hospital)

Naoko Ishihara (Department of Pediatrics, Fujita Health University School of Medicine)

**012-01 Multiple subcutaneous schwannoma and cafe-au-lait macules in a 14-year-old girl**

Kenta Kajiwara

Department of Pediatrics, University of Kyusyu, Fukuoka, Japan

**012-02 Clinical features and long-term prognosis in patients with holoprosencephaly:A single-center study**

Maki Shirai

Division of Neuropediatrics, Nagano Children's Hospital, Azumino, Japan

**012-03 A family history of familial hemiplegic migraine diagnosed by genetic analysis with recurrent disorders of consciousness**

Mami Akamatsu

Kariya, Aichi

**012-04 A case of ATL1 gene abnormality with spastic paraplegia and mild intellectual disability.**

Hirokazu Yamagishi

Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan

**012-05 Case report: a 4 yo boy with tuberous sclerosis and right strabismus led to diagnosis of a cerebral aneurysm.**

Kensuke Sakata

Department of Pediatrics, Kurume University, Kurume, Japan

**General Oral Platform Presentation 13****Disaster/COVID-19 1**

Chairs : Shiro Ozasa

(Center for Children's Medical Homecare, Kumamoto University Hospital, Kumamoto, Japan)

Kenjiro Kikuchi (Division of Neurology, Saitama Children's Medical Center)

**013-01 MOG antibody positive transverse myelitis with focal cerebral arteriopathy following SARS-CoV 2 infection**

Daisuke Miyahara

Department of Pediatrics, National Hospital Organization Okayama Medical Center, Japan

**013-02 A retrospective study of cases of COVID-19 infection complicated by neurological symptoms admitted to our hospital**

Chihiro Abe

Department of Pediatrics, Matsudo City General Hospital, Matsudo, Japan

**013-03 Seven cases of acute encephalopathy with COVID-19 at our hospital**

Nanako Kawata

Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

- 013-04** A retrospective study of patients with fever delirium in COVID-19  
Yuki Iai  
Hirakata city hospital of Pediatrics, Hirakata, Japan
- 013-05** 3 cases of AESD related to SARS-CoV2 Omicron BA.5 variant in children  
Keisuke Oki  
Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Izumi City, Osaka, Japan
- 013-06** Efficacy of midazolam administered by intramuscular injection for status epilepticus in the coronavirus pandemic  
Hazuki Nonoyama  
Department of Pediatrics, The Jikei University Kashiwa Hospital, Kashiwa, Japan
- 013-07** Neurological manifestations of COVID-19 in 21 cases  
Tomofumi Otomo  
Tokai University Hachioji Hospital, Hachioji, Japan

#### **General Oral Platform Presentation 14 Disaster/COVID-19 2**

Chairs : Yuji Fujii (Department of Pediatrics Hiroshima City Funairi Citizen Hospital)  
Pin Fee Chong (Department of Pediatrics, Kyushu University, Fukuoka, Japan)

- 014-01** A case of enterovirus D68-associated acute flaccid myelitis during a COVID-19 infection epidemic  
Kenta Ochiai  
Department of Pediatrics, Tokyo Womens Medical University Yachiyo Medical Center
- 014-02** A case of immune mediated necrotizing myopathy associated with COVID-19  
Sho Hagiwara  
Department of Pediatrics, University of Chiba, Chiba, Japan
- 014-03** A case of acute cerebellitis caused by a SARS-CoV-2 virus in a seven-year-old girl.  
Ken Nakajima  
Department of Pediatric Neurology, Osaka Women's and Children's Hospital, izumi cuty, Osaka, Japan
- 014-04** Two cases of COVID-19 related encephalopathy with acute cerebellitis  
Haruhito Horita  
Aichi Children's Health and Medical Center
- 014-05** A case of 1-year-old girl with cerebral infarction after COVID-19  
Takuya Kosaka  
Department of Pediatrics, University of Fukui, Eiheiji-cho, Japan
- 014-06** A 9 year old boy with Childhood Primary Angiitis of the Central Nervous System after COVID-19 vaccines  
Toshiki Ariyoshi  
Department of Pediatrics, University of Yamaguchi, Japan

#### **General Oral Platform Presentation 15**

##### **Disaster/COVID-19 3**

Chairs : Shigemi Kimura  
(Children's Rehabilitation Sleep and Development Medical Center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)  
Takafumi Sakakibara (Department of Pediatrics, Nara Medical University, Nara, Japan)

- 015-01** 106 cases of febrile seizures in COVID-19 patients:an inner city hospital experience  
Chizu Oba  
Hirakata City Hospital, Osaka, Japan

- 015-02 Clinical study of hospitalized patients with SARS-CoV2 associated febrile seizure**  
 Atsuko Arisaka  
 Department of Pediatrics, Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan
- 015-03 Clinical features of patients with febrile seizures induced by COVID-19**  
 Hiroto Hongo  
 Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan
- 015-04 Clinical study of the children with prolonged and acute repetitive febrile seizures associated with COVID-19**  
 Yoshiyuki Hanaoka  
 Department of Pediatrics, Kurashiki Central Hospital, Kurashiki, Japan
- 015-05 A boy with aneurysmal subarachnoid hemorrhage after COVID-19**  
 Pin Fee Chong  
 Department of Pediatrics, Kyushu University, Fukuoka, Japan
- 015-06 COVID-19 infection in adults with severe motor and intellectual disabilities**  
 Yasuko Nakamura  
 Tokyo Metropolitan Higashiyamato Medical Center For The Severely Disabled, Higashiyamato, Japan

## General Oral Platform Presentation 16

### Metabolic disease 1

Chairs : Kaoru Eto

(Tokyo Women's Medical University Adachi Medical Center, Tokyo Women's Medical University, Department of Pediatrics)

Kazuo Kubota

(Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan)

- 016-01 First case of Salla disease confirmed by genomic analysis in Japan**  
 Ryuki Matsuura  
 Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- 016-02 Development and evaluation of a patient-reported outcome measure specific for Gaucher disease in Japan**  
 Aya Narita  
 Division of Child Neurology, Institute of Neurological Science, Tottori University Faculty of Medicine
- 016-03 Breath holding spells in type 2 Gaucher disease**  
 Wakaba Endo  
 Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan
- 016-04 Long term effects of cyclodextrin for Niemann-Pick disease type C**  
 Muneaki Matsuo  
 Department of Pediatrics, Faculty of Medicine, Saga University, Japan
- 016-05 Long-term follow-up of skeletal muscle imaging in patients with childhood-onset Pompe disease**  
 Minobu Shichiji  
 Department of Pediatrics

## General Oral Platform Presentation 17

### Metabolic disease 2

Chairs : Tokiko Fukuda

(Hamamatsu University School of Medicine, Hamamatsu Child Health and Development)

Kei Murayama (Department of Metabolism, Chiba Children's Hospital)

- 017-01** Low excretor glutaric acidemia type 1 with transient lesions in the basal ganglia  
Yohane Miyata  
Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan
- 017-02** A case of PACS2 gene mutation with transient increased urinary excretion of methylmalonic acid  
Akihito Takeuchi  
Division of Child Neurology, National Hospital Organization Okayama Medical Center, Okayama, Japan
- 017-03** Genetic counseling for fathers diagnosed with ALD by existence of ALD carrier following newborn mass screening  
Kazuo Kubota  
Department of Pediatrics, Gifu University Graduate School of Medicine, Gifu, Japan  
Department of Pediatrics, Gifu University Graduate School of Medicine, Gifu, Japan
- 017-04** Current status and issues of newborn screening adrenoleukodystrophy in for Aichi prefecture  
Tomohiko Nakata  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 017-05** Empagliflozin treatment in a post-liver transplant patient with glycogen storage disease Ib  
Hiroaki Ono  
Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan
- 017-06** Evaluation of the efficacy of 5-ALA for LS in mice loss of Ndufs4 function  
Shuhei Kimura  
Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan

### General Oral Platform Presentation 18

#### Acute encephalitis/encephalopathy (except for autoimmune disease) 1

Chairs : Tomohide Goto (Department of Neurology, Kanagawa Children's Medical Center)  
Takashi Shiihara (Gunma Children's Medical Center)

- 018-01** Association between duration of impaired consciousness after febrile convulsive seizures and outcome  
Shoichi Tokumoto  
Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
- 018-02** High level of serum LDH and CRP during the subacute may be a predictor for neurological sequelae of acute encephalopathy  
Ichiri Sakuma  
Department of Pediatric, Fukushima Medical University, Fukushima, Japan
- 018-03** Diagnostic value of serum procalcitonin level for prediction of acute encephalopathy  
Mizuki Takagi  
Department of Pediatrics, Aichi Medical University, Aichi, Japan
- 018-04** Factors associated with poor outcome in convulsive status epilepticus superimposed for more than 30 minutes with fever  
Shizuka Oikawa  
Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
- 018-05** Efficacy of serial analysis of AST in children with febrile status epilepticus for predicting risk of developing AESD  
Makoto Nishioka  
Nagano Children's Hospital, Nagano Prefecture, Japan

**General Oral Platform Presentation 19****Acute encephalitis/encephalopathy (except for autoimmune disease) 2**

Chairs : Hiroko Toda (Devision of Pediatrics, Chibaken Saiseikai Narashino Hospital)

Hiroaki Nagase

(Division of General Pediatrics, Department of Pediatrics, Kobe University Graduate School of Medicine)

**019-01 Clinical study of clinically mild encephalopathy associated with excitotoxicity(MEEX)**

Nanako Takase

Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan

**019-02 Investigation of patients with clusters of seizures during the same fever episode at a regional core hospital**

Shuhei Dohi

Department of Pediatrics, Toyooka Public Hospital, Hyogo Prefecture, Japan

**019-03 Direct viral infection to brain endothelia provokes 'Influenza-associated encephalopathy'**

Shihoko Kimura-Ohba

National Institute of Biomedical Innovation, Health and Nutrition NIBIOHN, Osaka, Japan

**019-04 Exploratory research for disease-related genes for febrile status epilepticus and acute encephalopathy**

Hiroshi Yamaguchi

Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan

**019-05 Yawning in childhood-onset acute encephalitis and encephalopathy**

Tomoshiro Ito

Department of Pediatrics, Sapporo city general hospital, Sapporo, Japan

**General Oral Platform Presentation 20****Neurodegenerative disease 1**

Chairs : Shin Nabatame

(Department of Pediatrics, Osaka University, Graduate School of Medicine, Suita, Japan)

Tomoko Mizuno (Department of Pediatrics, Tokyo Medical and Dental University)

**020-01 Clinical presentation of SENDA/BPAN with high signal inT2WI and swelling in globus pallidus and substantia nigra**

Hiroshi Ninomiya

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

**020-02 Expanded newborn screening for spinal muscular atrophy in Tochigi and clinical course of a detected patient**

Marina Hashiguchi

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

**020-03 Two infants with spinal muscular atrophy found in expanded newborn screening**

Shoko Sonehara

Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan

**020-04 Withdrawn****020-05 Post-marketing surveillance of nusinersen, an SMA treatment, in Japan:interim results to May 2022**

Yosuke Tachibana

Biogen Japan, Tokyo, Japan



**020-06 A study on biomarkers for therapeutic efficacy of risdiplam in patients with spinal muscular atrophy**

Tamaki Kato

Institute of Clinical Genomics, Tokyo Women's Medical University, Tokyo, Japan

**General Oral Platform Presentation 21**

**Others 1**

Chairs : Hiroyuki Wakamoto (Department of Pediatrics, Ehime Rehabilitation Center for Children)  
Yusaku Miyamoto  
(Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki, Japan)

**021-01 Trauma and anxiety of parents who experienced febrile seizure**

Motoko Ogino

Department of Pediatrics, Hirakata City Hospital, Osaka, Japan

**021-02 Drug-induced pleural effusion due to dantrolene sodium hydrate in a severely disabled person.**

Hiroki Izumo

Department of Pediatrics, Hiroshima University, Hiroshima, Japan

**021-03 Measuring the Efficacy of Parent-Child Interaction Therapy with - Toddlers (PCIT-T) for Preterm Infants and Caregivers**

Kei Wakabayashi

Department of Pediatrics, Jichi Medical University, Shimotsuke City, Tochigi, Japan

**021-04 A case of MPSI with a KCNT1 variant treated with prophylactic coil embolization for APCA.**

Akio Ishikawa

Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan

**021-05 Application of diagnostic odyssey plot to rare diseases**

Itaru Hayakawa

Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

**021-06 The correlation between P2X7 receptor gene polymorphisms, febrile seizures and IL-1  $\beta$  productivity**

Fumio Ichinose

Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan

**General Oral Platform Presentation 22**

**Neurodegenerative disease 2**

Chairs : Kyoko Itoh

(Department of Pathology Appl. Neurobiol., Kyoto Prefectural University of Medicine Graduate School of Medicine. Sci.)

Mitsugu Uematsu (Department of Pediatrics, Tohoku University School of Medicine)

**022-01 A case of spinal muscular atrophy type II with motor function evaluation over time using SMAIS-ULM**

Tsuyoshi Matsuoka

Division of Child Neurology and Child Psychiatry, Okinawa Prefectural Nanbu Medical Center and Childr

**022-02 The problems about evaluation for psychomotor development of SMA type 1 administered nusinersen for 5 years**

Takahiro Motoki

Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan

**022-03 Changes in thigh MRI of spinal muscular atrophy type 3 during 4 years of nusinersen treatment.**

Kiiko Iketani

Department of Pediatrics, University of Kobe, Kobe, Hyogo



- 022-04** Thrombotic microangiopathy caused by onasemnogene abeparvovec in a case of SMA type2  
Toshihiro Jogamoto  
Department of Pediatrics, Ehime University Graduate School of Medicine, Japan
- 022-05** A case of spinal muscular atrophy with thrombotic microangiopathy after administration of onasemnogene abeparvovec  
Aki Muto  
Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Aichi, Japan
- 022-06** Motor function and orthopedic complications in children with SMA treated with onasemnogene abeparvovec.  
Mikiko Hasegawa  
Department of Rehabilitation Medicine, Dokkyomedical University Saitama Medical Center, saitam, Japan

### General Oral Platform Presentation 23

#### Acute encephalitis/encephalopathy (except for autoimmune disease) 3

Chairs : Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)  
Nobutsune Ishikawa (Department of Pediatrics, Hiroshima Prefectural Hospital)

- 023-01** Prolonged involuntary movements in two cases of adenovirus-induced biphasic encephalopathy  
Akiyo Yamamoto  
Department of Pediatrics, Sapporo Medical University, Sapporo, Japan
- 023-02** The infant developed HSES and HLH after initial cytomegalovirus infection.  
Shinji Harada  
Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Hyogo, Japan
- 023-03** Four cases of acute limbic encephalitis after allogeneic stem cell transplantation  
Tsu Yoshimura  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 023-04** A pediatric case with Wernicke's encephalopathy  
Ryutaro Yamada  
IMS Fujimi General Hospital, Saitama prefecture, Japan
- 023-05** Five cases of infantile traumatic brain injury with reduce diffusion cerebral white matter.  
Madoka Yasukohchi  
Department of pediatrics, Tokyo Women's medical university Yachiyo medical center, Chiba, Japan
- 023-06** Continuous EEG features for outcome after cardiac arrest in children : Single-center observational study  
Eri Ohashi  
National Center for Child Health and Development

### General Oral Platform Presentation 24

#### Others 2

Chairs : Takahiro Motoki (Department of Pediatrics, Ehime University Graduate School of Medicine)  
Takeshi Yoshida (Department of Pediatrics, Kyoto University Graduate School of Medicine)

- 024-01** Survey on recognition degree of buccal midazolam for the emergency paramedics  
Kenjiro Kikuchi  
Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

- 024-02** Development and utility of the Japanese version of the IGDS9-SF for game disorders.  
Takeshi Inoue  
Dokkyo Medical University Saitama Medical Center, Child Development and Psychosomatic Medicine Center
- 024-03** Description of medical documents related to pediatric neurology  
Keiko Yanagihara  
Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Osaka, Japan
- 024-04** Survey on support for pregnant women and their families undergoing prenatal diagnosis  
Atsuko Ohno  
Department of Pediatric Neurology, Toyota Municipal Child Development Center Nozomi Clinic, Toyota

### General Oral Platform Presentation 25

#### Newborn, Preterm baby, Perinatal brain damage

Chairs : Toru Kato (Okazaki City Hospital)

Toshiki Takenouchi

(Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)

- 025-01** Assessment of motor functions in six-year-old children born very preterm using three-dimensional gait analysis  
Yuji Ito  
Department of Pediatrics, Nagoya University Graduate School of Medicine
- 025-02** Functional connectivity involving occipital areas is stronger in active sleep than in quiet sleep in the neonatal brain  
Anna Shiraki  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- 025-03** Postnatal height growth has a positive association with changes of DQ scores in extremely preterm infants.  
Yuka Matsunaga  
Department of Pediatrics, Comprehensive Maternity and Perinatal Care Center, Kyushu University Hospital
- 025-04** Withdrawn
- 025-05** Prognostic value of the ADC in term newborns with hypoxic-ischemic encephalopathy  
Katsumi Hayakawa  
Department of Diagnostic Radiology, Red cross Kyoto Daiichi Hospital, Kyoto, Japan
- 025-06** Base excess can correlate with the degree of fetal acidosis when compared with postnatal blood pH  
Akihito Takahashi  
Department of Pediatrics, Kurashiki Central Hospital, Kurashiki, Japan

### General Oral Platform Presentation 26

#### Cerebral palsy

Chairs : Hiroshi Isumi (Tsudumigaura medical center for children with disabilities)

Yukihiro Kitai (Department of Pediatric Neurology, Bobath Memorial Hospital)

- 026-01** The relationship between prognosis and TPPV in children and persons with severe mental and physical disabilities  
Moe Tamaura  
Department of Pediatrics, Hiroshima-Nishi Medical Center, Hiroshima, Japan

- 026-02 Hemiplegic cerebral palsy in children without medical history including a perinatal period**  
 Mariko Tamiya  
 St. Joseph Medical and Welfare Center for Children
- 026-03 A pediatric case with spastic paraplegia treated by intrathecal baclofen combined with robot-assisted rehabilitation**  
 Tomoyuki Masuda  
 Department of Neuropediatrics, Nagano Children's Hospital, Azumino, Japan
- 026-04 Timing of tracheostomy/laryngotracheal separation and related factors in our follow-up patients**  
 Ryuta Tanaka  
 Department of Pediatrics, Ibaraki Children's Hospital, Mito, Japan
- 026-05 Long-term prognosis of feeding and swallowing in children with severely neurological disabilities**  
 Hiroyuki Wakamoto  
 Department of Pediatrics, Ehime Rehabilitation Center for Children, Ehime, Japan
- 026-06 The current state of medical care children's transitional acceptance at our medical and welfare center**  
 Yoko Kawasaki  
 Nikoniko House Kobe Medical and Welfare Center Hyogo, Japan

### **General Oral Platform Presentation 27**

#### **Autoimmune encephalitis 1**

Chairs : Naomi Hino-Fukuyo

(Division of Pediatrics, Faculty of Medicine, Tohoku Medical and Pharmaceutical University)

Takeshi Matsushige

(Department of Pediatrics, Yamaguchi University Graduate School of Medicine)

- 027-01 A case of anti-NMDA receptor encephalitis with serial cytokine analysis of cerebrospinal fluid**  
 Maki Hatane  
 Department of Pediatrics, University of Miyazaki, Miyazaki, Japan
- 027-02 Analysis of nuclear medicine imaging of anti-NMDAR encephalitis**  
 Kohei Matsubara  
 Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
- 027-03 Prognosis of anti-NMDAR encephalitis diagnosed by CSF cell-based assay:contribution of clinical factors**  
 Yukitoshi Takahashi  
 National epilepsy center, Shizuoka, Japan
- 027-04 A case of anti-NMDAR encephalitis with good neurological prognosis after tumor removal despite loss of consciousness**  
 Keizou Wakae  
 Department of Pediatrics, Jichi Medical University, Tochigi, Japan
- 027-05 Four cases of MOG antibody-associated disorder**  
 Hiromi Teranishi  
 Department of Pediatrics, Saitama medical University Hospital, Moroyama town, Japan
- 027-06 Four pediatrics cases of myelin oligodendrocyte glycoprotein antibody-associated diseases: MOGAD**  
 Satoshi Kajimoto  
 Department of Pediatrics, Kitano Hospital, Tazuke Kofukai Medical Research Institute, Osaka, Japan

## General Oral Platform Presentation 28

### Neurodegenerative disease 2

Chairs : Ryutaro Kira (Fukuoka Children's Hospital)  
Kazushi Miya (School of Education, University of Toyama)

- 028-01** The youngest case of anti-neutral glycosphingolipid antibody positive encephalomyeloradiculoneuropathy.  
Satoru Ochiai  
Division of Neurology, National Center for Child Health and Development, Tokyo, Japan
- 028-02** Efficacy of the APE score in pediatric autoimmune epilepsy and possibility of modification to pediatric APE score  
Takayuki Mori  
Project of Child Brain, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan
- 028-03** Acute disseminated encephalomyelitis associated with inflammatory bowel disease under infliximab  
Shizuka Nishimoto  
Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Osaka, Japan
- 028-04** A case of autoimmune GFAP astrocytopathy with unique brain imaging patterns and increased cytokines/chemokines  
Naohiro Yamamoto  
Department of Pediatric Neurology, Epilepsy Medical Center for Child and young adult, Osaka City Gen
- 028-05** A case of FIRES with a marked decrease in seizures immediately after intrathecal dexamethasone therapy  
Maki Hamamoto  
Department of Pediatrics, Hyogo Prefectural Amagasaki General Medical Center, Hyogo, Japan
- 028-06** Ketamine Treatment for Febrile infection-related epilepsy syndrome  
Ichiro Kuki  
Division of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

## General Oral Platform Presentation 29

### Epilepsy; diagnosis, genetics 2

Chairs : Saoko Takeshita (Yokohama Medical and Welfare Centre, Konan)  
Takako Fujita (Fukuoka University Hospital)

- 029-01** A case carrying MECP2 mutation presenting with adolescent onset progressive myoclonus epilepsy  
Mari Akiyama  
Department of Child Neurology, Okayama University Hospital, Okayama, Japan
- 029-02** Two siblings of LIG3-related mitochondrial DNA depletion syndrome with developmental and epileptic encephalopathy  
Sadao Nakamura  
Department of Pediatrics, University of the Ryukyus, Nishihara, Okinawa, Japan
- 029-03** A case of atypical vitamin B6-dependent epilepsy due to ALDH7A1 mutation with super-refractory status epilepticus.  
Yuka Hattori  
Department of Pediatrics, Takatsuki General Hospital, Osaka, Japan
- 029-04** A case of CFC syndrome with drug resistant epilepsy developing in teenage  
Aritomo Kawashima  
Miyagi Children's Hospital, Sendai, Japan
- 029-05** Withdrawn

- 029-06 Two cases of BPAN presenting with psychomotor developmental delay and epilepsy in early childhood**  
 Kayo Inutsuka  
 Department of Pediatrics, Osaka Metropolitan University Graduate School of Medicine, Osaka, Japan

**General Oral Platform Presentation 30**

**Epilepsy; diagnosis, genetics 3**

Chairs : Hiroko Ikeda (Osaka Minamimorimachi Ikeda Epilepsy Clinic)  
 Kazuo Okanari (The Department of Pediatrics, Oita Prefectural Hospital, Oita, Japan)

- 030-01 Poor prognostic determinants in atypical cases of childhood absence epilepsy**  
 Reiko Koichihara  
 Saitama children's medical center, Saitama, Japan
- 030-02 Clinical course and genetic background in childhood epilepsy with centrotemporal spikes (CECTS)**  
 Naomi Hino-Fukuyo  
 Division of Pediatrics, Faculty of Medicine, Tohoku Medical and Pharmaceutical University, Sendai, J
- 030-03 Clinical & immunological study of seizure outcome in patients with postencephalitic epilepsy: multivariable analysis**  
 Tomoya Ishida  
 Department of Pediatrics, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka
- 030-04 Evaluation of patients with biphasic epileptic spasms**  
 Shota Yoneno  
 Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry
- 030-05 Analysis of cases with focal cortical dysplasia who performed ictal SPECT for epileptic spasms**  
 Masataka Fukuoka  
 Department of Pediatrics, NHO Shizuoka Institute of Epilepsy and Neurological Disorders
- 030-06 Long-term outcome of infantile epileptic spasms syndrome with unknown etiology and effectiveness of ACTH therapy**  
 Yuko Hirata  
 Saitama Children's Medical Center, Division of Neurology, Japan

**General Oral Platform Presentation 31**

**Epilepsy; diagnosis, genetics 4**

Chairs : Hirokazu Kurahashi (Department of pediatrics, Aichi Medical University, Nagakute, Japan)  
 Kazuyuki Nakamura (Department of Pediatrics, Faculty of Medicine, Yamagata University)

- 031-01 Twins with childhood absence epilepsy who relapsed with focal seizures after remission of absence seizures: a case study**  
 Harumi Yoshinaga  
 Department of Child Neurology, Minami-Okayama Medical Center, Okayama, Japan
- 031-02 Can seizure types be identified with raw expressions of patients and caregivers?**  
 Yuichi Tateishi  
 Department of Pediatrics, Hiroshima University, Hiroshima, Japan
- 031-03 A 13 year old boy with tuberous sclerosis who developed spasms with cluster start with ictal pain in the right ear.**  
 Ryo Ota  
 Department of Pediatricneurologics, University of Tottory, Tottori, Japan

**031-04 A young girl with pituitary germinoma complicated by ECSWS: a case report**

Sadayuki Fujishiro

Department of Pediatrics, Kansai Medical University, Osaka, Japan

**031-05 Do not miss gelastic seizures in neonatal or infantile patients!**

Hiroshi Shirozu

Department of Functional Neurosurgery, National Hospital Organization Nishiniigata Chuo Hospital, N

**General Oral Platform Presentation 32**

**Muscle 2**

Chairs : Hirofumi Komaki

(Translational Medical Center, National Center of Neurology and Psychiatry)

Mariko Taniguchi-Ikeda

(Department of Clinical Genetics, Fujita Health University Hospital, Toyoake, Aichi, JAPAN)

**032-01 Study of dysphagia in Fukuyama congenital muscular dystrophy (FCMD)**

Kumiko Ishiguro

Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan

**032-02 Sleep disorders in Fukuyama congenital muscular dystrophy**

Takatoshi Sato

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

**032-03 Carrier frequency of heterozygous female of dystrophin mutations without a family history**

Tomoko Lee

Department of Pediatrics, Hyogo Medical University

**032-04 Evaluation of prednisolone effect on suppression of muscle degeneration in Duchenne muscular dystrophy by urinary titin**

Kayo Osawa

Kobe Tokiwa University, Kobe, Japan

**032-05 The natural history study of ambulatory patients with Duchenne muscular dystrophy**

Eri Takeshita

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

**032-06 Loss of domain hinge 3 in Duchenne muscular dystrophy delays loss of ambulation and onset of cardiomyopathy.**

Yoshitaka Mizobe

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

**General Oral Platform Presentation 33**

**Genetic abnormality, Chromosomal aberration, Congenital anomaly 33**

Chairs : Eri Takeshita

(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Kodaira, Japan)

Tetsuya Okazaki (Division of Clinical Genetics, Tottori University Hospital)

**033-01 Variant-specific changes in RAC3 function disrupt corticogenesis in neurodevelopmental phenotypes**

Koh-ichi Nagata

Institute for Developmental Research, Aichi Developmental Disability Center

- 033-02 Gait characteristics in Angelman Syndrome:A Study Using Three-Dimensional Gait Analysis**  
 Sho Narahara  
 Department of Pediatrics, Aichi Prefecture Mikawa Aoitari Medical and Rehabilitation Center for Deve
- 033-03 Heat shock response of induced pluripotent stem cells carrying p.R756C mutation in ATP1A3**  
 Fumihiko Fujii  
 Department of Pediatrics, Kyushu University, Fukuoka, Japan
- 033-04 Elucidating CNS immunopathology in Aicardi-Goutieres syndrome using iPSC-derived Microglia**  
 Tomonari Awaya  
 Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine, Kyoto
- 033-05 Pathomechanisms of neurodevelopmental disorders caused by sodium channel gene SCN2A mutations**  
 Kazuhiro Yamakawa  
 Department of Neurodevelopmental Disorder Genetics, Institute of Brain Sciences, Nagoya City Univers
- 033-06 Identification of TUBGCP2 and CAMSAP1 as novel neuronal migration disorder associated genes**  
 Tadahiro Mitani  
 Jichi Medical University, Tochigi, Japan

#### **General Oral Platform Presentation 34**

##### **Genetic abnormality, Chromosomal aberration, Congenital anomaly 4**

Chairs : Kyoko Takano (Center for Medical Genetics, Shinshu University Hospital)  
 Tomohiro Chiyonobu  
 (Department of Medical Genetics, Kyoto Prefectural University of Medicine, Kyoto, Japan)

- 034-01 Clinical genetics of cerebellar abnormalities in Initiative on Rare and Undiagnosed Diseases (IRUD) project**  
 Nobuhiko Okamoto  
 Department of Medical Genetics, Osaka Women's and Children's Hospital, Izumi, Osaka, Japan
- 034-02 A novel RNF213 gene de novo variant is involved in systemic vasculopathy.**  
 Ayako Kashimada  
 Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan
- 034-03 Segawa disease comorbid with neurodevelopmental disorders**  
 Maki Nozaki  
 Segawa Memorial Neurological Clinic for Children, Tokyo, Japan
- 034-04 Apnea/hyperpnea phenotypes presented in patients with CDKL5, EHMT and HECW2 variants.**  
 Haruhiko Nakamura  
 Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan.
- 034-05 Intractable brain malformations with mutations in the tubulin gene identified by whole genome analysis**  
 Masahiro Nonaka  
 Department of Neurosurgery, Kansai Medical University

#### **General Oral Platform Presentation 35**

##### **Genetic abnormality, Chromosomal aberration, Congenital anomaly 5**

Chairs : Hideki Uchikawa (Eastern Chiba Medical Center)  
 Ayumi Matsumoto (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)



- 035-01** A boy with PACS1 neurodevelopmental disorder.  
Toru Nagata  
Department of Pediatrics, Kitano Hospital, Osaka, Japan
- 035-02** A girl with progressive brain atrophy from birth due to DARS2 gene mutation  
Hajime Ikehara  
Department of Pediatrics, Chiba University Hospital, Japan
- 035-03** A case of developmental delay, intractable epilepsy, and choreoathetosis associated with the THG1L variant.  
Kaori Sassa  
Departments of Pediatrics, Saitama Medical University Hospital
- 035-04** A case of 6p25 deletion syndrome with cerebral white matter lesions  
Hitoshi Sato  
Kanazawa Medical University, Ishikawa, Japan
- 035-05** Seizure cluster-induced Takotsubo cardiomyopathy in ATP1A3-associated epileptic encephalopathy  
Naoko Ishihara  
Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan

### General Oral Platform Presentation 36

#### Endocrinology, Intoxication, Nutrition

Chairs : Michiko Inoue

(Department of Child Neurology, National Hospital Organization Minami-Okayama Medical Center)

Shuichi Yatsuga (Department of Pediatrics, Fukuoka University)

- 036-01** Clinical symptoms and autoantibodies in 5 patients with ROHHAD syndrome  
Tae Ikeda  
Department of pediatric neurology, Osaka Women's and Children's Hospital, Osaka, Japan
- 036-02** A study of cholecystitis and pancreatitis in severe motor and intellectual disabilities  
Shin-ichi Uchiyama  
Department of Pediatrics, National Hospital Organization Nishi-Beppu Hospital, Oita, JAPAN
- 036-03** Two adult cases with Down syndrome presenting with bradykinesia and hyperthyroidism during treatment for hypothyroidism  
Mariko Yagi  
Department of Childhood Development and Education, Faculty of Human Science, Konan Women University
- 036-04** Characteristics of food selectivity for children with autism spectrum disorders  
Koji Tanoue  
Department of General medicine, Kanagawa Children's Medical Center, Yokohama, Japan
- 036-05** Two cases of sudden muscle weakness episodes with low serum ferritin levels without anemia  
Eiji Kurihara  
Department of Child Neurology, Kitahara Life Support Clinic, Tokyo, Japan

### General Oral Platform Presentation 37

#### Neurodevelopmental disorders 2

Chairs : Shuichi Shimakawa

(Department of Pediatrics, Osaka Medical and Pharmaceutical University Hospital)

Yuichi Suzuki (Department of Pediatrics, Fukushima Medical University School of Medicine)

- 037-01** An interim report of 30 cases of post-marketing surveillance of Lisdexamfetamine in pediatric ADHD.  
 Ryoko Otani  
 Child Development and Psychosomatic Medicine Center, Dokkyo Medical University Saitama Medical Centre
- 037-02** Clinical features of girls diagnosed with ASD on the DSM-5 without intellectual disability  
 Mio Nishimura  
 Nikoniko House Kobe Medical and Welfare Center
- 037-03** Correlation between autistic profile and sensory profile in children with autism spectrum disorder  
 Akari Takai  
 Department of Pediatrics, Hananoki Medical Welfare Centre, Kyoto, Japan
- 037-04** Contributing factors in school-age children with developmental dysgraphia  
 Keitaro Sueda  
 Sapporo Child Physical & Mental Health Care Center, Child Psychiatry, Sapporo, Japan
- 037-05** Examination of background factors related to written expression  
 Kazuyori Yagyu  
 Department of Child and Adolescent Psychiatry, Hokkaido University Hospital, Sapporo, Japan

### General Oral Platform Presentation 38

#### Neurodevelopmental disorders 3

Chairs : Tatsuya Koeda (National Center for Child Health and Development)

Miho Fukui

(Department of Education, Osaka Ohtani University, Department of Pediatrics, Osaka Medical and Pharmaceutical University)

- 038-01** The relation between postural motor developmental problems in infants and neurodevelopmental disorders.  
 Yuko Yamada  
 St. Joseph Medical and Welfare Center for Children
- 038-02** Relationship between writing dynamics and frontal lobe function in children with neurodevelopmental disorders  
 Akiko Megumi  
 Kumamoto University, Kumamoto, Japan
- 038-03** Genetic analysis of developmental dyslexia in a large Japanese family  
 Makio Oka  
 Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan
- 038-04** Evaluation of the brain function in dyslexic children;a near-infrared spectroscopy study  
 Kenji Mori  
 Department of Child Health & Nursing, Tokushima University Graduate School, Tokushima, Japan
- 038-05** Characteristics of microbiome in patients with autism spectrum disorder  
 Noriko Sumitomo  
 Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

### General Oral Platform Presentation 39

#### Neurodevelopmental disorders 4

Chairs : Ayumi Seki (Faculty of Education, Hokkaido University)

Kosuke Nakano (Faculty of Education, Ehime University)

- 039-01** Survey on 18-month-old children in Togane city, Japan  
Hideki Uchikawa  
Department of Pediatrics, Eastern Chiba Medical Center, Togane, Japan
- 039-02** A study on anxiety and depression in parents and children with borderline intellectual functioning  
Ayumi Fukuda  
Department of Child Psychiatry, Shimada Ryoiku Medical Center for Challenged Children  
Hachioji, Hach
- 039-03** Current status of using digital games and/ or internet service in children with neurodevelopmental disorders.  
Kakurou Aoyagi  
Department of pediatrics, Yamanashi prefectural Akebono medical welfare center, Nirasaki, Japan
- 039-04** ISO 80369-6 related incident report concerning intrathecal baclofen trial  
Akiko Nagae  
Biwakogakuen Kusatsu Medical and Welfare Center for Disabilities
- 039-05** The change of the medical care of the inpatients in hospital for challenged persons for 20years  
Yukiko Nakamura  
Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan
- 039-06** Resources for children with special needs or social disadvantages in the United States  
Naoko Kimura  
Icahn School of Medicine at Mount Sinai, NY, United States

#### **General Oral Platform Presentation 40**

##### **Autonomic nerves, Headache**

Chairs : Hideo Enoki (Department of Pediatrics, Kawasaki Medical School, Kurashiki, Japan)  
Hideki Shimomura (Department of Pediatrics, Hyogo Medical University School of Medicine)

- 040-01** Effects of levetiracetam on headache in children with epilepsy  
Yoshihiro Miyasato  
Department of Pediatrics, Toho University Medical Center Sakura Hospital, Sakura, Japan
- 040-02** Beneficial use of heart rate variability in pediatric patients with autoimmune autonomic neuropathy  
Masafumi Sanefuji  
Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan
- 040-03** Features of headache with postural orthostatic tachycardia syndrome  
Anzu Noda  
Saitama Children's Medical Center, Saitama, Japan
- 040-04** Examination of Rresting Adenylate Cyclase Activity in Orthostatic Dysregulation  
Nobuyoshi Sugiyama  
Department of Pediatrics, JA Kanagawaken Koseiren ISEHARA KODO Hospital
- 040-05** A study of urine 5-hydroxyindoleacetic acid for headache and headache variant  
Toshiyuki Hikita  
Hikita Pediatric Clinic, Gunma, Japan

# General Poster Presentation

## General Poster Presentation 1

### Chromosomal aberration (including CGH array)1

- P1-001** Partial trisomy 14 with infantile epileptic spasm syndrome due to duplication of FOXG1: a case report  
Kozue Mori  
Department of Pediatrics, University of Miyazaki, Miyazaki, Japan
- P1-002** A case of mosaic 15q duplication syndrome with congenital bilateral perisylvian syndrome  
Koichi Tanda  
Department of Pediatrics, University of Miyazaki, Miyazaki, Japan
- P1-003** Epilepsy and motor function in Wolf Hirschhorn (4p deletion) syndrome : a single-center study in Japan  
Harutaka Saijo  
Kanagawa Children's Medical Center Kanagawa Japan
- P1-004** Trisomy 9 mosaic, diagnosed by microarray, with atypical features: case report  
Yuri Dowa  
Department of Neurology, Gunma Children's Medical Center
- P1-005** Three cases leading to the diagnosis of Smith-Magenis syndrome  
Emi Iwabuchi  
Ibaraki Children's Hospital, Mito, Ibaraki
- P1-006** A case of 9p tetrasomy mosaic with hydrocephalus due to diffuse choroid plexus hyperplasia  
Shimpei Matsuda  
Department of Pediatrics, Juntendo University Shizuoka Hospital, Shizuoka, JAPAN
- P1-007** A case of 18 Trisomy with acquired von Willebrand disease caused by pulmonary stenosis  
Maizuru Kanako  
Tenri Hospital, Tenri, Japan

## General Poster Presentation 2

### Genetics, Genetic abnormality 1

- P2-008** Identification and phenotypic analysis of a novel imprinted gene in the mouse Prader-Willi syndrome critical region  
Tatsuya Kishino  
Division of Functional Genomics, Graduate school of Biomedical Sciences, Nagasaki University
- P2-009** A novel TNRC6B variant can cause infantile spasms.  
Masato Okimura  
Department of Pediatrics, University of Tohoku, Miyagi, Japan
- P2-010** Pathological analysis of STXBP1 encephalopathy focused on impaired membrane trafficking.  
Yoshihiro Taura  
Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan
- P2-011** A case of neurodevelopmental disorder with spastic diplegia and visual defects complicated by brain calcification  
Ryo Hayashi  
Department of Pediatrics, Saitama Medical Center, Saitama Medical University, Kawagoe-shi, Saitama,

- P2-012** The mutational and phenotypic characteristics of tubulinopathy : a single-center study in Japan  
Tamaki Ikegawa  
Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
- P2-013** Report of a family with a ZC4H2 mutation guided by the child's arthrogryposis multiplex congenita.  
Yu Kakimoto  
Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan
- P2-014** A case of Noonan syndrome caused by CBL pathogenic variant with mastocytosis  
Tatsuya Kawaguchi  
Department of Child Neurology, Tottori University Hospital, Tottri, Japan
- P2-015** A case of microcephaly with craniosynostosis caused by PNKP gene mutation  
Ikushi Shimomura  
Department of Pediatrics, University of Kagoshima, Kagoshima, Japan
- P2-016** Experiences with genetic counseling in the diagnostic process of Arima syndrome  
Tomoyo Yamashita  
Department of Medical Genetics, Osaka Metropolitan University Graduate School of Medicine, Osaka, Ja
- P2-017** Clinical features of an adult patient with FOXP1 syndrome due to a truncating variant in the FOXP1 gene  
Harumi Saijo  
Department of Pediatrics, Tokyo Metropolitan Higashiyamato Medical Center for Developmental Multiple
- P2-018** A girl with DLG4-related disorder manifesting a unique developmental course and epileptic seizure  
Ryoji Taira  
Department of Pediatrics, Kyushu University, Fukuoka, Japan
- P2-019** A case of TRIO gene variant with macrocephaly and intellectual disability.  
Taiju Hayashi  
Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan
- P2-020** A case of psychomotor developmental delay with novel TBR1 gene variant  
Yukiko Osawa  
Department of Pediatrics, Tokyo Metropolitan Tama-Hokubu Medical Center, Tokyo, Japan

### General Poster Presentation 3

#### Congenital anomaly, Neurocutaneous syndrome 1

- P3-021** A case of Pol III-related leukodystrophy caused by POLR1C mutation diagnosed by slowly worsening ataxic gait  
Naoko Taniguchi  
Department of Pediatrics, Hyogo Medical University, Hyogo, Japan
- P3-022** A case of TSC2/PKD1 contiguous gene deletion syndrome with polycystic kidney disease and focal epilepsy  
Kazuhiko Hashimoto  
Department of Pediatrics, Sasebo city general hospital, Nagasaki, Japan
- P3-023** A case of ATR-X syndrome with sever anemia  
Tomoko Tamada  
Department of Pediatrics, Hiroshima Prefectural Rehabilitation Center, Hiroshima, Japan

**P3-024 School-age problems in the patients with Neurofibromatosis type 1**

Eri Ogawa

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

**General Poster Presentation 4 Newborn, Preterm baby, Perinatal brain damage 1**

**P4-025 Association between head circumference at birth and brain volume at term-equivalent age in preterm infants.**

Akihito Takeuchi

Division of Neonatology, National Hospital Organization Okayama Medical Center, Okayama, Japan

**P4-026 Usefulness of trans systolic time in assessing cerebral perfusion of newborns**

Masashi Zuiki

Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan

**P4-027 A case of persistent cloaca with physical therapy intervention from an infant**

Shoko Sasao

National center for child health and development, Tokyo, Japan

**General Poster Presentation 5**

**Child development 1**

**P5-028 Withdrawn**

**P5-029 Association between placental weight and neurodevelopmental delay: the Japan Environment and Children's Study**

Naomi Mitsuda

Department of Environmental Medicine, Kochi University, Kochi, Japan

**P5-030 A study on the intellectual development of high-risk neonates**

Kohei Goto

Komenoyama Hospital, Oomuta City Fukuoka Japan

**General Poster Presentation 6**

**ADHD 1**

**P6-031 Establishment of imaging biomarkers for ADHD and ASD through a multi-institutional and -dimensional approach**

Masatoshi Yamashita

Research Centre for Child Mental Development, University of Fukui, Fukui, Japan

**P6-032 Cases in which the IQ increased after taking ADHD medication**

Takako Matsumoto

Ashiya Municipal Hospital, Ashiya-city, Japan

**P6-033 Development and Implementation Strategy of Internet -based Cognitive Behavioral Therapy for ADHD in Children**

Sayo Hamatani

Research Center for Child Mental Development, University of Fukui, Fukui, Japan

**General Poster Presentation 7**

**Autism spectrum disorder 1**

**P7-034 Atypical auditory cognitive function in individuals with autism spectrum disorders**

Aya Sato

Developmental Disorders Section, Department of Rehabilitation for Brain Functions, Research Institut

**P7-035 Early developmental signs in children with autistic spectrum disorder: The Japan Environment and Children's Study**

Hideki Shimomura

Department of Pediatrics, Hyogo Medical University, Nishinomiya, Hyogo, Japan

**General Poster Presentation 8**

**Learning disability 1**

**P8-036 Reconsideration of diagnostic criteria for specific reading disorder based on 4-year longitudinal data**

Yasuko Okumura

Center for Evolutionary Cognitive Sciences, Graduate School of Arts and Sciences, The University of

**General Poster Presentation 9**

**Neurodevelopmental disorders in general 1**

**P9-037 QOL survey in daily life of gifted children**

Nobuko Sugiura

Department of Child Psychiatry, Shimada Ryoiku Medical Center for Challenged Children Hachioji

**P9-038 Comparative examination of living environment score method by mother and child**

Hiroshi Ozawa

Department of Childneurology, Shimada Ryoiku Medical Center Hachioji for Challenged Children, Hachioji, Japan

**General Poster Presentation 10**

**Neurodevelopmental disorders; intervention, support, welfare 1**

**P10-039 Support activities as a supervising doctor for medical care children at a special needs school**

Michiko Inoue

Department of Child Neurology, National Hospital Organization Minami-Okayama Medical Center, Okayama,

**P10-040 The questionnaire survey on transition for patients who transferred from Shimada Ryoiku Medical Center Hachioji**

Yuri Ozawa

Department of Child Psychiatry, Shimada Ryoiku Medical Center for Challenged Children Hachioji, Tokyo

**P10-041 A study of the turnaround time of a toddler who first presented with a chief complaint of delayed motor development.**

Kaori Furuyama

Department of Pediatrics, Sapporo Child Development General Support Center, Sapporo, Japan

**P10-042 Investigation of medical needs for neurodevelopmental disorder and period of attendance to pediatrics department.**

Toshino Motojima

Department of Pediatrics, Motojima General Hospital, Gunma, Japan

**P10-043 Efforts to eliminate the long-term waiting time for the first visit of children with developmental disabilities.**

Mitsuhiro Matsuo

Nagasaki Prefectural Center of Medicine and Welfare for Children, Isahaya, Nagasaki, Japan



- P10-044** The impact of early diagnoses of developmental disorders at less than 3 years old on children and parents  
Mariko Nakanishi  
United Graduate School of Child Development, Osaka University, Suita, Japan
- P10-045** Initiating intervention before the initial consultation by the regional cooperative outpatients  
Mio Yamashita  
Nagasaki, Japan
- P10-046** Parent training and family functioning  
Daishi Inoue  
Nagasaki, Japan
- P10-047** Collaboration with community facilities to reduce the waiting period for the first visit of developmental disabilities  
Kaoru Moriyama  
Department of Pediatrics, Nagasaki welfare center, Nagasaki, Japan
- P10-048** Current status and issues of neurodevelopmental screening in child health examinations in Osaka Prefecture  
Hana Miyauchi  
Faculty of Medicine, Osaka University, Suita, Japan

### General Poster Presentation 11

#### Cerebral

- P11-049** Effects of bifidobacterium and oligosaccharides in patients with severe motor and intellectual disabilities  
Yukimi Oyoshi  
Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan
- P11-050** The study of intrathecal baclofen therapy in 5 patients with severe cerebral palsy  
Hidenori Umetsu  
Department of Pediatrics, University of Hirosaki, Aomori, Japan
- P11-051** Cause of death of patients with severe motor and intellectual disabilities  
Risa Hashimoto  
Tokyo Metropolitan Fuchu Rehabilitation Center, Tokyo, Japan

### General Poster Presentation 12

#### Epilepsy; diagnosis, genetics 1

- P12-052** A case of KBG syndrome diagnosed from atonic seizures  
Kozue Okuma  
Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan
- P12-053** A typical absence seizure, phonophobia and autistic features in a case with Poirier-Bienvenu neurodevelopmental syndrome  
Mako Miwa  
St. Luke's International Hospital, Tokyo, Japan
- P12-054** A review of the final diagnosis of infants under 1 year of age referred to our hospital for suspected motor seizures.  
Kana Osada  
Division of Genetics, Kanagawa Children's Medical Center, Yokohama, Japan

**P12-055 A patient in focal epilepsy with the usefulness of the ictal EEGs**

Hodaka Ohta  
Mie prefectural general medical center

**General Poster Presentation 13**

**Epilepsy; treatment 1**

**P13-056 A case of forced normalization due to perampanel**

Yuta Eguchi  
Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan

**P13-057 A Study of Effective Drugs and Patient Backgrounds for Childhood Absence Epilepsy**

Yoji Ikuta  
Higashi-Koganei Child Neurology and Epilepsy Clinic, Koganei, Japan

**P13-058 Infants with drug-resistant epilepsy treated with lacosamide.**

Yasuhiro Kimoto  
The Department of Pediatrics, School of Medicine, University of Miyazaki, Miyazaki, Japan

**P13-059 Prognosis of seizure after repeated ACTH therapy in West syndrome**

Takato Akiba  
Department of Pediatrics, Juntendo University, Tokyo, Japan

**P13-060 A case of two sisters with epileptic encephalopathy successfully treated with lacosamide as add-on therapy**

Chiho Tokorodani  
Department of Pediatrics, Kochi Health Sciences Center, Japan

**P13-061 Clinical results of perampanel in a placebo-control and an open-label extension in patients with Lennox-Gastaut Syndrome**

Kisaki Onishi  
Eisai Co., Ltd., Japan

**P13-062 Lacosamide and perampanel in epilepsy with neurodevelopmental disorders: the perspective of psychiatric symptoms**

Takuya Hayashida  
Department of pediatrics, Nagasaki Prefectural Children's Medical Welfare Center, Nagasaki, Japan

**P13-063 The results of corpus callosotomy for seizures in patients with drop attack.**

Eijun Seki  
Department of Neuropediatrics, NHO Nishi-Niigata Chuo hospital, Niigata, Japan

**P13-064 Treatments for the epileptic spasms with Leigh syndrome**

Michiru Sasaki  
Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University

**P13-065 Two cases of drug-resistant frontal lobe epilepsy in which seizures disappeared after epilepsy surgery.**

Satomi Ohtaki  
Department of Pediatrics, Saitama medical university, Saitama, Japan

**General Poster Presentation 14**

**Epilepsy; the other issues 1**

**P14-066 Astrocytic Ca<sup>2+</sup> signals precedes epileptiform activity**

Fumikazu Sano  
Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine, University of Yamana

**P14-067 A study of children who required hospitalisation for febrile convulsions**

Yusei Baba

National Hospital Organization, Minami Kyusyu Hospital, Pediatrics

**P14-068 Two cases of epilepsy with psychogenic non-epileptic seizures found to have intellectual disability**

Miki Inutsuka

Department of Pediatrics, Sasebo Chuo Hospital, Sasebo, Japan

**General Poster Presentation 15**

**Metabolic disease 1**

**P15-069 A case of Menkes disease with extensive subcutaneous hematoma**

Yoshihiro Watanabe

Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan

**P15-070 A girl with hypoplastic corpus callosum and dilated ventricles caused by PDHC deficiency.**

Tatsuya Suito

Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan

**P15-071 A case of MELAS/Leigh overlap syndrome with mitochondrial ATP6 mutation**

Yukimune Okubo

Department of Pediatric Neurology, Miyagi Children Hospital, Sendai, Japan

**P15-072 Two cases of glucose transporter 1 deficiency with no reduction in CSF glucose/blood glucose ratio**

Tsuyoshi Aihara

National Center for Child Health and Development, Tokyo, Japan

**General Poster Presentation 16**

**Neurodegenerative 1**

**P16-073 Spinal muscular atrophy with liver failure triggered by RS virus infection after onasemnogene abeparvovec administration**

Takako Fujita

Department of Pediatrics, Faculty of Medicine, Fukuoka University, Japan

**P16-074 Treatment experience of spinal muscular atrophy type II with risdiplam before gene therapy**

Genrei Ohta

Fukui Prefectural Hospital

**P16-075 Two cases of advanced spinal muscular atrophy with attempted treatment change from Nusinersen to Risdiplam**

Morimasa Shima

Osaka, Japan

**General Poster Presentation 17**

**Peripheral nerve 1**

**P17-076 A 14 year-old man of CIDP with progressive muscle weakness of both upper extremities after SARS-CoV-2 vaccination**

Azusa Haba

Department of Pediatrics, Graduate School of Medicine, Gifu University

## General Poster Presentation 18

### Muscle 1

- P18-077** A study of brain MRI in congenital and pediatric myotonic dystrophy  
Yasuhiro Kawai  
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry
- P18-078** A family case of paucisymptomatic hyperCKemia with a missense variant in RYR1  
Takuya Hiraide  
Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan
- P18-079** A Boy with Andersen-Tawil Syndrome with Movement-Induced Periodic Quadriplegia and Irreversible Gait Disturbance  
Hikari Yasui  
Department of Pediatrics, Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan
- P18-080** Deep intronic mutations in patients with Duchenne/Becker muscular dystrophy.  
Rei Urushibata  
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry
- P18-081** A case of immune-mediated necrotizing myopathy with re-elevation of CK  
Yusuke Ito  
Department of Pediatrics, Hamamatsu University of Medicine, Shizuoka, Japan
- P18-082** Efficacy of lacosamide in child and mother with paramyotonia congenita  
Taichi Imaizumi  
Department of Pediatrics, Kawasaki Municipal Tama Hospital, Kawasaki, Japan
- P18-083** A case of Klippel-Feil syndrome diagnosed by atrophy and muscle weakness of the unilateral forearm and palm  
Atsushi Shimasaki  
Department of Pediatrics, National Hospital organization Nagasaki Medical Center, Nagasaki, Japan

## General Poster Presentation 19

### Cerebrovascular disease 1

- P19-084** A 6-year-old girl of 21 trisomy with dural arteriovenous fistulae during a follow-up of congenital heart disease  
Yuri Sonoda  
Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- P19-085** A 1-year-old boy of fibromuscular dysplasia with moyamoya disease and severe renovascular hypertension  
Eriko Hatai  
Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- P19-086** A case of pediatric cerebral proliferative angiopathy with infantile red lesions of the forehead  
Rie Tsukahara  
Department of Child Neurology, Okayama University Hospital, Okayama, Japan
- P19-087** Clinical courses of spinal cord infarction: A case series and literature review  
Masaru Nasuno  
Department of Neuropediatrics. Nagano Childrens Hospital. Azumino. Japan

- P19-088** A case of neonatal arterial cerebral infarction requiring treated with decompressive craniectomy  
Goro Takahashi  
Department of Pediatrics, Saiseikai Utsunomiya Hospital, Utsunomiya, Tochigi-ken, Japan

### General Poster Presentation 20

#### Acute encephalitis/encephalopathy (except for autoimmune disease) 1

- P20-089** A 1-year-old boy with acute necrotizing encephalopathy received long-time immunotherapy for prolonged hypercytokinemia  
Satoshi Akamine  
Department of Pediatric Neurology, Fukuoka Children's Hospital
- P20-090** A case of acute encephalitis associated with sapovirus type 1 treated TRH for cerebellar ataxia  
Yuki Inami  
Department of Pediatrics, Yokohama City University Medical Center, Kanagawa, Japan

### General Poster Presentation 21

#### Autoimmune encephalitis 1

- P21-091** Case of a girl with multiple sclerosis presenting with non-specific symptoms after acute disseminated encephalomyelitis  
Hiroko Hirai  
Department of Pediatrics, University of Toyama, Toyama, Japan
- P21-092** A case of anti-MOG antibody associated disease with LETM-Case report and review of literatures  
Kuniya Ishii  
Department of Pediatrics, Saitama Medical Center, Saitama, Japan
- P21-093** A case of angiography-negative childhood primary angiitis of central nervous system.  
Kaishu Oda  
Department of Pediatrics, Hamamatsu University of Medicine, Hamamatsu, Japan
- P21-094** A case of Kawasaki disease with MOG antibody associated ADEM  
Shunpei Morita  
Department of Pediatrics, Tokyo metropolitan Bokutoh hospital, Tokyo, Japan

### General Poster Presentation 22

#### Infection, immunity (except for acute encephalitis/encephalopathy) 1

- P22-095** Nipocalimab: Phase 1 Study Results in Japanese Healthy Volunteers and Phase2/3 Study in gMG Pediatric Patients  
Yu Kigoshi  
Janssen Pharmaceutical K.K.
- P22-096** A case of a girl with myasthenia gravis who was treated with tacrolimus for steroid reduction at age 2 years.  
Kotaro Yazaki  
Department of Pediatrics, Osaka Metropolitan University Graduate School of Medicine, Osaka, Japan
- P22-097** Drug treatment in patients with juvenile myasthenia gravis.  
Sachi Tokunaga  
Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan

- P22-098** A case of Drug-induced Mixed Connective Tissue Disease due to Ethosuximide.  
Risa Nakao  
Department of Pediatrics, Nagasaki University Hospital
- P22-099** A case of meningitis-retention syndrome triggered by human metapneumovirus infection  
Mizuho Niido  
Department of Pediatrics, Teikyo University School of Medicine
- P22-100** Adie pupil suspected of being involved in autoimmunity  
Tamami Yano  
Akita University Graduate School of Medicine/Department of Pediatrics, Akita, Japan

### General Poster Presentation 23

#### Involuntary movement, Basal ganglia disease 1

- P23-101** Familial Paroxysmal Kinesigenic Dyskinesia that are difficult to notice in daily life  
Yoshiyuki Watabe  
Dokkyo Medical University, Department of Pediatrics
- P23-102** A disabled patient with tardive dyskinesia and dystonia induced by zonisamide and gabapentin respectively  
Sachiko Onoe  
Hirakata General Hospital for Developmental Disorders, Hirakata, Japan
- P23-103** A case of hyperekplexia with GRIA3 variant  
Kei Yamada  
Department of Child Neurology, National Hospital Organization Nishiniigata Chuoh Hospital, Niigata
- P23-104** A patient with ADCY5 variant (mosaic) presenting paroxysmal nonkinesiogenic dyskinesia  
Kaori Kodama  
Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan
- P23-105** Paroxysmal tonic upgaze and downgaze accompanied by intracranial hemorrhage in infancy: a case report  
Akira Sukezaki  
Showa General Hospital / Kodaira-shi, Japan

### General Poster Presentation 24

#### Sleep disorders 1

- P24-106** Efficacy of intravenous methylprednisolone pulse therapy in patients with Kleine-Levin syndrome during long episodes  
Takuji Nakamura  
Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan
- P24-107** Recurrent sleepwalking during febrile episodes of periodic fever, aphthous stomatitis, pharyngitis, adenitis syndrome  
Osamu Kawano  
Department of Pediatrics, Obihiro Kosei Hospital, Obihiro, Japan
- P24-108** Investigating the relationship between sleep and children's interest in people using an eye tracking device  
Fumiyo Nagatani  
United graduate school of child development Molecular research center for children's mental development

**P24-109 Association between sleep and neurodevelopment in early childhood:body movement study**

Azusa Ono

Department of Child Development, United Graduate School of Child Development, Osaka University, Osaka

**General Poster Presentation 25**

**Nutrition, Endocrinology, Intoxication 1**

**P25-110 A case of phenytoin poisoning with CYP2C19\*3/\*3 gene polymorphism requiring differentiation from acute encephalopathy**

Kiri Koshu

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

**General Poster Presentation 26 Disaster/COVID-19 1**

**P26-111 A case of acute encephalopathy with biphasic seizures and late reduced diffusion preceded by COVID-19**

Mariko Kasai

Department of Pediatrics, Saitama Citizens Medical Center, Saitama, Japan

**P26-112 Acute encephalopathy with acute brain swelling associated with COVID-19 in a two-year-old girl**

Kouhei Ishida

Department of Pediatrics, Kushiro City General Hospital, Hokkaido, Japan

**P26-113 An 8-year-old boy with mild encephalopathy during the acute phase of COVID-19**

Akiko Kamori

Department of Pediatrics, Kyushu University, Fukuoka, Japan

**P26-114 A case of acute encephalopathy with bilateral striatal necrosis due to COVID-19 infection**

Tatsuya Ito

Department of Pediatrics, Hirosaki University, Hirosaki, Japan

**P26-115 The difficulty communicating with patient's family, under the management of acute encephalopathy with COVID-19.**

Osamu Mitani

Department of Pediatrics, Fukuyama City Hospital, Hiroshima, Japan

**P26-116 Febrile seizures associated with COVID-19**

Tomoya Hirasaki

Kakogawa Central City Hospital, Hyogo, Japan

**P26-117 COVID-19 cluster occurrence and problems at a Facility for Persons with Severe Disabilities under the 7th wave epidemic**

Shinjiro Akaboshi

Department of Pediatrics, National Hospital Organization Tottori Medical Center, Tottori, Japan

**P26-118 Febrile seizure in older children in the COVID-19 epidemic**

Natsuki Yagi

Department of Pediatrics, Maebashi Red Cross Hospital, Gunma, Japan

**P26-119 How to keep the airway clearance for COVID -19 patients with underlying disease?**

Kenji Inoue

Shiga Medical Center for Children



- P26-120** The influence of COVID-19 pandemic for the pediatric neurologic patients  
Noboru Yoshida  
Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan
- P26-121** Course of a cluster in 24 positive covid-19 cases in our long-term care facility and challenges in infection control  
Chika Kono  
Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan
- P26-122** Two cases with Dissociative Neurological Symptom Reaction after COVID-19 vaccination  
Kanao Hayashi  
Department of Pediatrics and Adolescent, Tokyo Medical University, Tokyo, Japan

### General Poster Presentation 27

#### Others 1

- P27-123** the Medical Care Child Support Law and education: a questionnaire for caregivers and schools in the Jonan area of Tokyo  
Nodoka Hinokuma  
Department of Pediatrics, Showa University Hospital, Tokyo, Japan
- P27-124** A review of the use of intravenous sedatives during examinations in our department  
Ryosuke Urabe  
Department of Pediatrics, Teikyo University, School of Medicine, Tokyo, Japan
- P27-125** The challenge of health care transition for the patients with the child-onset neurological disease  
Hideaki Mashimo  
Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

### General Poster Presentation 28

#### Chromosomal aberration (including CGH array)2

- P28-001** Potocki-Lupski Syndrome Family Association Support  
Tomoe Yanagishita  
Department of Pediatric at Tokyo Womens Medical nUniversity
- P28-002** Two cases of microdeletion of 3p14 containing MAGI1  
Osamu Machida  
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan
- P28-003** A case with 4q deletion with intractable epilepsy  
Kohei Nagai  
Department of Pediatrics, Jichi Medical Unicersity, Shimotsukeshi, Japan

### General Poster Presentation 29

#### Genetics, Genetic abnormality 2

- P29-004** A sibling case of paroxysmal kinesigenic dyskinesia with TMEM151A variant  
Hirokazu Kurahashi  
Department of pediatrics, Aichi Medical University, Nagakute, Japan
- P29-005** De novo novel variant in TUBB2A presenting with infantile-onset epilepsy and severe developmental delay  
Hidehito Kondo  
Japanese Red Cross Kyoto Daiichi Hospital

- P29-006** C-terminal truncated variants in MeCP2 can also cause developmental epileptic encephalopathy.  
Yu Katata  
Department of Pediatrics, Tohoku University School of Medicine, Miyagi, Japan
- P29-007** A case of a boy with GABRB2-related developmental epileptic encephalopathy due to oculomotor and visual impairment  
Hidetoshi Ishigaki  
Department of Pediatrics Hamamatsu University School of Medicine, Shizuoka, Japan
- P29-008** A case of Cockayne syndrome with a novel start loss variant in ERCC8  
Taro Matsuoka  
Department of Pediatrics, University Hospital, Kyoto Prefectural University of Medicine, Kyoto, Japa
- P29-009** Sibling cases of KARS1-related leukodystrophy  
Ken Momosaki  
Department of Pediatrics, Kumamoto Saishun Medical center
- P29-010** A case of KBG syndrome with spinal lipoma.  
Atsushi Takagi  
Department of Pediatrics, Nippon Medical School, Tokyo, Japan
- P29-011** Persistent falcine and occipital sinus in a case with MCTT syndrome  
Takehiko Inui  
Miyagi Children's Hospital, Sendai, Japan
- P29-012** A case of severe psychomotor developmental delay due to DHX30 gene abnormality  
Takeshi Miyamoto  
Department of pediatrics, Hamamatsu Medical Center, Hamamatsu, Japan
- P29-013** A case of a boy with MECP2 null mutation who has severe psychomotor retardation  
Masaya Nakamura  
mie prefecture
- P29-014** A case of primary microcephaly20 caused by KIF14 gene variants  
Tatsuharu Sato  
Department of Pediatrics Nagasaki University Hosptal, Nagasaki, Japan
- P29-015** Siblings with ATRX syndrome diagnosed by whole genome analysis and comprehensive DNA methylation analysis  
Daisuke Ieda  
Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences
- P29-016** A case of Houge type X-linked syndromic intellectual developmental disorder with Chiari malformation type I.  
Takahiro Yamamoto  
Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan
- P29-017** A case of SETBP1 Haploinsufficiency Disorder with characteristic motor speech disorders  
Yu Abe  
Department of Pediatrics, Tsuruoka Municipal Shonai Hospital, Tsuruoka, Japan

### General Poster Presentation 30

#### Congenital anomaly, Neurocutaneous syndrome 2

- P30-018** Cause of death in three patients with tuberous sclerosis complex  
Yu Kobayashi  
Department of Child Neurology, NHO Nishiniigata Chuo Hospital, Niigata, Japan
- P30-019** The clinical investigation of tuberous sclerosis complex in our hospital.  
Mayumi Matsufuji  
Department of Pediatrics, Kagoshima city hospital
- P30-020** A case of chondrodysplasia punctata with delayed motor development and respiratory failure.  
Hiromi Aoyama  
Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan
- P30-021** A case of Rubinstein-Taybi syndrome with syringomyelia without Chiari malformation  
Mako Wada  
Department of Pediatric neurology, Aichi children's health and medical center, Aichi, Japan

### General Poster Presentation 31

#### Newborn, Preterm baby, Perinatal brain damage 2

- P31-022** MRI findings and gestational age in infants with severe cerebral palsy  
Yukiko Nanba  
National Rehabilitation Center for Children with Disabilities, Tokyo, Japan
- P31-023** Two cases of asymptomatic preterm infant with cerebral sinovenous thrombosis  
Toshiki Takeo  
Department of Pediatrics, Anjo Kosei Hospital, Japan, Aichi
- P31-024** Transition planning from NICU  
Shunsuke Ogaya  
Department of Pediatric Neurology, Aichi Developmental Disability Center Central Hospital, Kasugai
- P31-025** Neurodevelopmental dynamics of very low birth weight infants by age 6 years: A single-institute cohort  
Reina Ogata  
Department of Pediatrics, National Hospital Organization Kokura Medical Center, Kitakyushu, Fukuoka, Ja

### General Poster Presentation 32

#### Child development 2

- P32-026** Infant developmental support that can be provided in the clinic by a pediatric neurologist  
Manami Honda  
Micri Kids Clinic, Tokyo, Japan
- P32-027** Neurodevelopmental outcome of children with biliary atresia after liver transplantation  
Sumire Kumai  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

### General Poster Presentation 33

#### ADHD 2

**P33-028** Effects of tDCS for the traits of attention-deficit/hyperactivity disorder on working memory

Tomoko Uchida

Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan

**P33-029** The course of treatment in attention deficit/hyperactivity disorder

Mitsuru Kashiwagi

Department of Pediatrics, Hirakata City Hospital

**P33-030** A study of 22 patients with attention deficit hyperactivity disorder treated with Lisdexamfetamine Mesilate.

Eri Watanabe

Kawatani Clinic, Fukuoka, Japan

**P33-031** Effect of lisdexamfetamine dimesylate for children with ADHD

Shuichi Shimakawa

Department of Pediatrics, Osaka Medical and Pharmaceutical University, Osaka, Japan

### General Poster Presentation 34

#### Autism spectrum disorder 2

**P34-032** Neurodevelopmental disorder under five years old with Risperidone

Keiko Wada

Tokyo Children's Rehabilitation Hospital, Tokyo Japan

**P34-033** A preliminary study of sleep spindles across non-REM sleep stages in children with autism spectrum disorder

Midori Kawahara

Department of Child Development, United Graduate School of Child Development, Osaka University, Suit

### General Poster Presentation 35

#### Learning disability 2

**P35-034** A study on the diagnosis of specific dyslexia :some issues in the diagnostic process based on 'Practice Guidelines'

Yoko Sugie

Aoi-cho Children's Clinic, Hamamatsu, Japan

**P35-035** Spelling abilities of very low birth weight infants

Miho Fukui

Department of Pediatrics, Osaka Medical and Pharmaceutical University, Osaka, Japan

### General Poster Presentation 36

#### Neurodevelopmental disorders in general 2

**P36-036** A case of strangulated bowel obstruction in a severely handicapped patient who had difficulty in diagnosis

Yuji Takizawa

Department of Pediatrics, Nishisaitama-chuo National Hospital, Tokorozawa, Japan

**P36-037** The retrospective interview survey about sleep of children with neurodevelopmental disorders

Emi Murata

Molecular Research Center for Children's Mental Development, United Graduate School of Child Develop

### General Poster Presentation 37

#### Neurodevelopmental disorders; intervention, support, welfare 2

**P37-038** A study about employment of persons with neurodevelopmental disorders

Kazunori Motoyama

Department of Pediatrics, Misakae no sono, Nagasaki, Japan

**P37-039** Current issues regarding collaboration between medical care and education for neurodevelopmental disorders

Masao Kawatani

Department of Pediatrics, Fukui Prefectural Rehabilitation Center for Children with Disabilities, Fu

**P37-040** Approach to Child-Adult Relationship Enhancement (CARE) in outpatient for neurodevelopmental disorders

Mika Matsui

Kumamoto Rehabilitation Center for handicapped children

**P37-041** Medical management and rehabilitation of Rett syndrome

Michiko Makino

Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan

### General Poster Presentation 38

#### Autonomic nerves, Headache

**P38-042** A 7-year-old girl considered to have recurrent painful ophthalmoplegic neuropathy

Hiroko Tada

Devison of Pediatrics, Chibaken Saiseikai Narashino Hospital, Devison of P ediatrics, Chiba, Japan

**P38-043** Three cases of cerebrospinal fluid hypovolemia that required differentiation from orthostatic dysregulation

Yuko Ohashi

Department of Pediatrics, IMS Miyoshi General Hospital, Saitama, Japan

**P38-044** Characteristics of headache patients before the opening of our headache outpatient clinic

Tsukasa Higuchi

Department of General Pediatrics, Nagano Children's Hospital

**P38-045** A case of recurrent right oculomotor nerve palsy

Shunsuke Kuwana

Department of Pediatrics, University of Kochi, Kochi, Japan

**P38-046** Inter professional work is significant to cure the patients of orthostatic dysregulation.

Haruka Okada

Micri kids clinic, Tokyo, Japan

### General Poster Presentation 39

#### Epilepsy; diagnosis, genetics 2

**P39-047** A study of 6 cases of Myoclonic epilepsy in infancy.

Daisuke Tajima

Department of Pediatrics, Karatsu Red Cross Hospital, Karatsu, Japan

**P39-048** A case of epilepsy with a 9q21.13 microdeletion containing RORB

Chihiro Saito

Department of Pediatrics, Chiba University Hospital, Chiba, Japan

- P39-049** A case of developmental and epileptic encephalopathy with GABRB3 mutation  
Atsuko Kanagawa  
Department of Pediatrics, Kakogawa Central City Hospital, Hyogo, Japan
- P39-050** A case of developmental and epileptic encephalopathy with deletion of PHACTR1 gene and similarity to Dravet syndrome  
Kentaro Shirai  
Department of Pediatrics, Tsuchiura Kyodo general hospital, Tsuchiura, Japan
- P39-051** A boy with intractable epilepsy coexisting with autism, photosensitive, CHD2 mutation  
Masato Hiyane  
Department of pediatrics, Okinawa Red Cross Hospital, Naha city, Okinawa, Japan
- P39-052** A case of West syndrome identified IRF2BPL mutation by whole-exome sequencing analysis  
Yoshiteru Azuma  
Department of Pediatrics, Aichi Medical University, Nagakute, Japan
- P39-053** A case of SCN8A gene abnormality with abnormal findings in the central tegmental tract and diffuse white matter  
Yurika Numata-Uematsu  
Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan
- P39-054** Usefulness of long-term video EEG monitoring for the diagnosis and treatment for intractable epilepsy.  
Mitsumasa Fukuda  
Division of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- P39-055** A pedigree of peculiar occipital lobe epilepsy with possible X-linked recessive inheritance  
Yukio Sawaishi  
Department of Pediatrics, Akita Prefectural Center on Development and Disability, Akita, Japan

### General Poster Presentation 40

#### Epilepsy; treatment 2

- P40-056** Evaluation of the efficacy of perampanel for drug-resistant epilepsy in yokohama city university medical center  
Hirotaka Motoi  
Department of pediatrics, Yokohama city university medical center
- P40-057** Experience of treatment by perampanel-including drug resistant epilepsy under 4 years old-  
Atsushi Imamura  
Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan
- P40-058** Use of valproate in adolescent women in our hospital  
Haruna Yoshikawa  
Department of Pediatrics, Saiseikai Utsunomiya Hospital, Tochigi, Japan
- P40-059** Clinical experience with perampanel for youth severely handicapped population over 12 years  
Seiji Watanabe  
Department of Pediatrics, Izu Medical and Welfare Center, Izunokuni, Japan
- P40-060** A case of symptomatic infantile spasms responding to oral prednisolone therapy  
Kaishu Sugi  
Department of Pediatrics, Ehime Prefectural Central Hospital, Ehime, Japan

- P40-061** A case of bed-ridden disabled patient receiving high-dose phenobarbital therapy for treating intractable epilepsy.  
Koji Takahashi  
Tsuchiura Kyodo General Hospital
- P40-062** A study of Dravet syndrome in our hospital  
Ryo Fujimoto  
Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan
- P40-063** A survey of the life of Dravet syndrome patients and the use of midazolam oral fluid during the COVID-19 crisis.  
Ruby Kuroiwa  
Patients' Association of Dravet Syndrome Japan of Dravet Syndrome Japan, Tokyo
- P40-064** Early surgical treatment for a 2-month-old girl with intractable focal epilepsy related to tuberous sclerosis complex.  
Satoshi Takenaka  
Department of Child Neurology, Okayama University Hospital, Okayama, Japan
- P40-065** Long-term outcome of epilepsy in patients with tuberous sclerosis in our department  
Masaki Miura  
Department of Child Neurology, National Hospital Organization Nishiniigata Chuo Hospital, Niigata, J
- P40-066** An infant case of ECSWS successfully treated with total corpus callosotomy  
Haruka Nakata  
Department of Pediatrics Neurology, Hyogo Prefectural Amagasaki General Medical Center, Hyogo, Japan
- P40-067** Characteristics of absence epilepsy cases with focal epileptic discharges  
Ryosuke Tanaka  
Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan
- P40-068** Posterior corpus callosotomy in a case with bilateral occipital lobe epilepsy  
Risako Ishioka  
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

## General Poster Presentation 41

### Epilepsy; the other issues 2

- P41-069** Assessment of factors influencing QOL in childhood epilepsy by QOLCE-Js52  
Eri Moriguchi  
Department of Nursing, Kyoto Koka Women's University, Kyoto, Japan
- P41-070** Telemedicine using the dedicated app nana-medi linked with epilepsy PHR  
Shin Okazaki  
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
- P41-071** Two children with femoral fractures caused by seizures  
Atsushi Mori  
Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Shiga, Japan
- P41-072** A nationwide survey of nursery schooling and parental employment in children with epilepsy and febrile seizures  
Susumu Ito  
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan
- P41-073** The neurol epidemiological study of child neurological disorders for the past 20 years. Part 2 convulsive disorders  
Komei Kumagai  
Department of Pediatrics, Yokohama General hospital, Yokohama, Kanagawa, Japan



### General Poster Presentation 42

#### Electrophysiology (EEG, EMG, MEG etc.)

- P42-074** Preoperative prediction of seizure outcome for epileptic spasms by quantitative EEG analysis  
Yasushi Iimura  
Department of neurosurgery, Juntendo University, Tokyo, Japan
- P42-075** Characteristics of frontal 12-Hz slow sleep spindle in children with epilepsy  
Kei Tamaru  
Department of Pediatrics, University of Yamanashi, Japan, Chuo city
- P42-076** Extreme sleep spindles in preschool children with features of developmental disorders.  
Kuniaki Iyoda  
Fukuyama Support Center of Children for Development and Care, Fukuyama City, Hiroshima, Japan

### General Poster Presentation 43

#### General Poster Presentation 43

- P43-077** A case of acute transverse myelitis with antiganglioside antibodies following minor trauma  
Takafumi Sakakibara  
Department of Pediatrics, Nara Medical University, Nara, Japan
- P43-078** Tuberos sclerosis review of different imaging types in our hospital.  
Ryuta Ishii  
Department of pediatrics and Child Health, Kurume University School of Medicine
- P43-079** Three cases of recurrent painful ophthalmoplegic paralytic neuropathy with contrast enhanced oculomotor nerve on MRI  
Kentaro Koike  
Division of Neurology, National Center for Child Health and Development, Setagaya-Ku, Tokyo

### General Poster Presentation 44

#### Metabolic disease 2

- P44-080** Two cases of Leigh encephalopathy with the same mitochondrial gene mutation presenting with intestinal inflammation  
Moriei Shibuya  
Department of Pediatrics, University of Tohoku, sendai, Japan
- P44-081** A boy with novel ACAD9 variant presenting hypertrophic cardiomyopathy, muscle weakness and exercise-intolerance  
Kaoru Eto  
Department of Pediatrics, Tokyo Women's Medical University
- P44-082** A girl with neuronal ceroid lipofuscinosis type1 suggested to be caused by uniparental isodisomy  
Fumitaka Kohno  
Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan
- P44-083** A case of a 6-year-old boy with a mtDNA 3243 mutation who presented with predominantly proximal muscle weakness  
Mondo Kuroda  
Department of Pediatrics, Kanazawa University Hospital, Ishikawa, Japan

- P44-084** A case of Kearns-Sayre syndrome complicated the cardiac arrest due to complete atrioventricular block  
Wakako Ishii  
Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan
- P44-085** Withdrawn
- P44-086** Pathological autopsy of an 8-year-old girl with infantile Tay-Sachs disease  
Shinichiro Morichi  
Department of Pediatrics and Adolescent Medicine, Tokyo Medical University, Tokyo, Japan

### General Poster Presentation 45

#### Neurodegenerative 2

- P45-087** An adult patient with spinal muscular atrophy type 2 returned from risdiplam to nusinersen despite severe scoliosis  
Kotaro Yuge  
Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan
- P45-088** Three cases of spinal muscular atrophy who started risdiplam treatment  
Mio Watanabe  
Department of Neurology, Gunma Children's Medical Center, Gunma, Japan
- P45-089** Quantitative evaluation of switch operation after administration of Nusinelsen in spinal muscular atrophy type 1  
Atsuko Roppongi  
Gunma Children's Medical Center, Gunma, Japan
- P45-090** Two cases of spinal muscular atrophy treated by risdiplam switched from nusinersen  
Takenori Natsume  
Department of Pediatric Neurology, Nagano Children Hospital, Azumino, Japan

### General Poster Presentation 46

#### Peripheral nerve 2

- P46-091** A case of central nervous system impairment and axonal polyneuropathy with bi-allelic variants in NEMF  
Konomi Shimoda  
Department of Pediatrics, University of Tokyo, Tokyo, Japan
- P46-092** A case of Charcot-Marie-Tooth disease type 2Z with profound developmental delay  
Masashi Mukai  
Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan
- P46-093** A case of Guillain-Barre syndrome with mixed infection of human parechovirus type 1 and cytomegalovirus.  
Yoko Takeda  
Department of Pediatrics, Nara Medical University, Kashihara, Japan

### General Poster Presentation 47

#### Muscle 2

- P47-094** A boy with Duchenne muscular dystrophy who was born preterm and followed for serum creatine kinase levels since birth  
Yuki Nomura  
Department of Pediatrics, TOYOTA Memorial Hospital, Aichi, Japan

- P47-095** Sudden death associated with hypoglycemia in a patient with myotonic dystrophy  
 Hiroki Sobajima  
 Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan
- P47-096** Difficult decision making of gastrostomy in Duchenne muscular dystrophy:A case report  
 Ayako Hattori  
 Department of Pediatrics, Nagoya City University East Medical Center, Aichi, Japan
- P47-097** The patient-centered interaction improved nutritional status in a patient with Duchenne Muscular Dystrophy  
 Mariko Ishihara  
 Department of Pediatrics, Shiga medical center of children, Shiga, Japan

### General Poster Presentation 48

#### Cerebrovascular disease 2

- P48-098** Pediatric case of cervical spinal cord infarction with lower extremity weakness following a fall  
 Maya Asami  
 Iwate Medical University, Yahaba, Shiwa, Jpan
- P48-099** A case of pediatric ischemic stroke associated with carotid web  
 Kohei Haraguchi  
 Nagasaki University Hospital, Nagasaki, Japan
- P48-100** A pediatric case of COL4A1 mutation with extensive cerebral small vessel disease triggered by minor head trauma.  
 Keisuke Watanabe  
 Department of Pediatrics, University of Akita, Akita, Japan

### General Poster Presentation 49

#### Acute encephalitis/encephalopathy (except for autoimmune disease) 2

- P49-101** A boy with Sturge-Weber syndrome who developed refractory status epilepticus followed by late reduced diffusion on MRI  
 Yuji Ueno  
 Department of Pediatrics, Fukuoka Children`s Hospital, Fukuoka, japan
- P49-102** A case of mild encephalitis/encephalopathy with a reversible splenic lesion complicated with thyrotoxic crisis  
 Kako Ono  
 Clinical training center, Juntendo University Urayasu Hospital, Chiba, Japan
- P49-103** A case of acute encephalopathy with biphasic seizures with symptoms of cerebral cortex damage after the first phase.  
 Michihiko Takasu  
 Department of Neurology, Gunma Children's Medical Center, Gunma, Japan
- P49-104** A case of childhood aphasia sequelae due to AESD secondary to hypertensive encephalopathy  
 Mahito Atobe  
 Department of Pediatric Neurology, Aichi Childrens Health and Medical Center, Aichi, Japan
- P49-105** Long-term language function in cases of aphasia due to AESD with left cerebral hemispheric lesions  
 Megumi Nukui  
 Department of Pediatric Logopedics, Osaka City General Hospital, Osaka, Japan

### General Poster Presentation 50

#### Autoimmune encephalitis 2

- P50-106** A case of neuromyelitis optica spectrum disorder manifested neurodevelopmental disorders related symptoms

Hisashi Itabashi

Department of Pediatrics, Dokkyo Medical University Saitama Medical center, Saitama, Japan

- P50-107** A case of autoimmune encephalitis diagnosed as Kleine-Levin syndrome in the early stages of the disease

Naoki Yamada

Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

- P50-108** Clinical features of pediatric autoimmune encephalitis: comparison of seronegative, anti-NMDA, and anti-MOG antibody

Naoki Yamada

Department of Pediatric Neurology, Osaka city general hospital, Osaka, Japan

- P50-109** A study of myelin oligodendrocyte glycoprotein antibody-associated disease in our hospital

Risa Kawaguchi

Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan

### General Poster Presentation 51

#### Infection, immunity (except for acute encephalitis/encephalopathy) 2

- P51-110** Successful management of childhood-onset generalized myasthenia gravis treated with azathioprine

Keisuke Abe

Department of Pediatrics, Nagoya City University West Medical Center

- P51-111** A case of sphenoidal sinusitis complicated by bacterial meningitis without upper respiratory symptoms

Minoru Shinagawa

Department of Pediatrics, University of Gunma, Maebashi, Gunma

- P51-112** Inhalation therapy of Tobramycin and Meropenem for intractable pneumonia of a child with SMID

Miyuki Toyono

Akita Prefectural Center on Development and Disability, Akita, Japan

### General Poster Presentation 52

#### Involuntary movement, Basal ganglia disease 2

- P52-113** A case of cardio-facio-cutaneous syndrome with Lance-Adams syndrome

Masaru Matsukura

Department of Pediatrics, Japan Community Health Organization Kyushu Hospital, Fukuoka, Japan

- P52-114** A case of pseudohypoparathyroidism with involuntary movements and multiple calcifications in the brain

Ryo Yamaguchi

Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan

- P52-115** Three cases of basal ganglia fusion

Shiho Honzawa

Tokyo, Japan

**General Poster Presentation 53****Sleep disorders 2**

- P53-116** Relation between heart rate variability and behavioral problems in children with obstructive sleep apnea  
Kaori Suzuki  
Department of Child Development, United Graduate School of Child Development, Osaka University, Osaka, Japan
- P53-117** A case of Restless Abdomen: a diverse phenotype of restless legs syndrome (RLS).  
Hideo Sugie  
Aoi-cho Children's Clinic, Hamamatsu, Japan
- P53-118** Successful treatment with melatonin in a pediatric case of severe sleepwalking  
Yuko Omata  
Department of Pediatrics, Seikeikai Chiba Medical Center, Chiba, Japan
- P53-119** The relationship between child sleep and functional brain development analyzed by an eye tracker and EEG  
Yoshiko Iwatani  
Department of Child Development, United Graduate School of Child Development, Osaka University
- P53-120** Efficacy of melatonin in stopping free-running of non-24-hour sleep-wake rhythm disorder with autism spectrum disorder  
Toshihiro Suzuki  
Department of Pediatrics, Showa Inan General Hospital

**General Poster Presentation 54****Nutrition, Endocrinology, Intoxication 2**

- P54-121** Serum zinc level in children with Down syndrome  
Hisami Inoue  
Department of Neuropediatrics, Shimada Ryoiku Medical Center for Challenged Children Hachioji, Hachi
- P54-122** Repetitive acute pancreatitis in a patient with spinal muscular atrophy type 1  
Eisuke Terasaki  
Shiga Medical Center for Children, Moriyama, Japan

**General Poster Presentation 55****Disaster/COVID-19 2**

- P55-123** A pediatric case with acute disseminated encephalomyelitis after SARS-CoV-2 vaccination  
Kazuki Tsukamoto  
Department of Pediatrics, Shimane University, Faculty of Medicine, Shimane, Japan
- P55-124** COVID-19 infection in patients requiring medical care  
Minoru Shibata  
Shiga Medical Center for Children, Shiga, Japan
- P55-125** A survey of COVID-19 infections and vaccinations in children with Dravet syndrome and West syndrome  
Susumu Ito  
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

- P55-126** Seasonal incidence change of febrile seizures in Sendai, anticipating the aftermath of the COVID-19 pandemic.  
Taro Kitamura  
Division of Pediatrics, Sendai City Hospital, Sendai, Japan
- P55-127** A review of 14 children with neuropsychiatric symptoms after recovery from acute COVID-19 symptoms in our outpatients.  
Yu Tsuyusaki  
Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
- P55-128** A study of febrile convulsions associated with COVID-19 infection during the epidemic of each mutant strain in Yamanashi  
Ken Takada  
Department of Pediatrics, Yamanashi Prefectural Central Hospital, Yamanashi, Japan
- P55-129** How did the COVID-19 infection affect children with neurodevelopmental disorders?  
Shinya Koizumi  
Department of Pediatrics, Fraternity Memorial Hospital, Tokyo, Japan

## General Poster Presentation 56

### Others 2

- P56-130** What kind of collaboration do school teachers aspiring to special needs education want with medical professionals?  
Kosuke Nakano  
Faculty of Education, Ehime University
- P56-131** Severely disabled patient with tike bite during hospitalization  
Fumihito Nozaki  
Department of Pediatrics, Shiga Medical Center for Children, Shiga, Japan
- P56-132** Transitional care for patients with childhood-onset neurological disorders: experience of a children's hospital.  
Noriko Togashi  
Department of Neurology, Miyagi Children's Hospital, Sendai, Japan
- P56-133** A Study of Hospitalization for Simple Febrile Seizures  
Masahiro Ishii  
Department of Pediatrics, Kitakyushu general hospital, Fukuoka, Japan

# International Session Oral

## International Session Oral 1

### Epilepsy

Chairs : Norimichi Higurashi (Department of Pediatrics, Jikei University School of Medicine)  
Shimpei Baba  
(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

- I01-01** Elucidation of the pathomechanism of NSF-related developmental and epileptic encephalopathy  
Takahiro Hayashi  
Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan

- I01-02** Phenotypic analysis of heterozygous Scn1a knockout rats and the effect of heat-induced seizures in infancy on severity  
Ken Ito  
Department of Pediatrics, Jikei University School of Medicine
- I01-03** Effects of  $\alpha$  2/3 subunit selective GABAA receptor activators in mice model of Dravet syndrome  
Sachiko Nakakubo  
Department of Pediatrics, Hokkaido University, Sapporo, Japan
- I01-04** Dynamic statistical parametric mapping (dSPM) MEG to localize the epileptic lesion in MRI-negative focal epilepsy.  
Yasuyoshi Hiramatsu  
Department of Pediatrics, Hokkaido University, Sapporo, Japan
- I01-05** An analysis of quantitative susceptibility mapping and clinical data for children with febrile seizures  
Gen Furukawa  
Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan

### International Session Oral 2

#### Epilepsy 2

Chairs : Kuriko Shimono (United Graduate School of Child Development, Osaka University)  
Susumu Ito (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

- I02-01** Clinico demographic profile of Children with Infantile spasms:A retrospective observational study  
Aarthi Balaji  
Dept of Pediatric Neurology, Aster MIMS, Calicut, Kerala, India
- I02-02** Clinical spectrum of Refractory Absence Epilepsy : A single center experience  
Aarthi Balaji  
Dept of Pediatric Neurology, Aster MIMS, Calicut, Kerala, India
- I02-03** Comparing epileptic spasms between 1-2-year-old onset and  $\geq$  2-year-old later onset groups  
Takeshi Inoue  
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
- I02-04** Long-term seizure and developmental outcomes of Ohtahara syndrome:surgical vs medical treatment  
Kenji Sugai  
Departments of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatr

### International Session Oral 3

#### Neuromuscular Disorders

Chairs : Yoshiaki Saitou  
(Department of Pediatrics, National Rehabilitation Center for Children with Disabilities)  
Masakazu Mimaki  
(Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan)

- I03-01** Proof-of-concept study of a novel genome editing therapy in Fukuyama congenital muscular dystrophy  
Toru Takaori  
Department of Pediatrics, Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Osaka, Japan



- 103-02** Antisense oligonucleotide induced pseudoexon skipping for FCMD caused by a deep-intronic variant  
Mariko Taniguchi-Ikeda  
Department of Clinical Genetics, Fujita Health University Hospital, Aichi, Japan
- 103-03** Safety and efficacy of ataluren in nmDMD patients, a phase 3, randomized, double-blind, placebo-controlled trial  
Hirofumi Komaki  
National Center of Neurology and Psychiatry, Tokyo, Japan
- 103-04** A Phase I/II study of NS-089/NCNP-02, Exon 44 skipping drug, in patients with Duchenne muscular dystrophy  
Hirofumi Komaki  
National Center of Neurology and Psychiatry, Tokyo, Japan
- 103-05** One-year Data from ENDEAVOR, a Phase 1b Trial of Delandistrogene Moxeparvovec (SRP-9001) in Duchenne Muscular Dystrophy  
Craig Zaidman  
Department of Neurology, Washington University in St. Louis School of Medicine, St. Louis, MO, USA
- 103-06** Integrated Analyses from Clinical Trials of Delandistrogene Moxeparvovec (SRP-9001) in Duchenne Muscular Dystrophy  
Craig Zaidman  
Department of Neurology, Washington University in St. Louis School of Medicine, St. Louis, MO, USA

#### International Session Oral 4

##### Neurogenetic Disorders

Chairs : Iori Ohmori (Okayama University)

Toshiyuki Seto

(Department of Medical Genetics, Osaka Metropolitan University Graduate School of Medicine)

- 104-01** Effects of ketogenic diets in adult patients with glucose transporter 1 deficiency syndrome  
Shin Nabatame  
Department of Pediatrics, Osaka University Graduate School of Medicine, Suita, Japan
- 104-02** Application of the Nanopore long-read sequencer to the genetic diagnosis of facioscapulohumeral muscular dystrophy  
Yoshihiko Saito  
Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan
- 104-03** Clinical characteristics and disease progression of PLA2G6-associated neurodegeneration (PLAN)  
Tomomi Nakamura  
Department of Pediatrics, Mie University Hospital, Mie, Japan
- 104-04** Impaired lysosomal acidification is caused by CLN6 variants as pathogenesis in neuronal ceroid lipofuscinosis type 6  
Kiwako Tsukida  
Jichi Medical University Tochigi Japan
- 104-05** Spatial transcriptomics of cerebral organoids reveals altered NSC fate decisions in PNPLA8-related microcephaly.  
Yuji Nakamura  
Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences

- I04-06 Brain-wide identification of altered functional connectivity and neuronal activity in CDKL5 kinase-dead knock-in mice**  
Teruyuki Tanaka  
Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo
- I04-07 Glycan Analysis Reveals Neurodevelopmental Disorders with Intractable Epilepsy:GET4 associated disorder**  
Shino Shimada  
Department of Pediatrics, Juntendo University Shizuoka Hospital, Shizuoka, Japan

### International Session Oral 5

#### Other Neurological Disorders

Chairs : Hiroyuki Kidokoro

(Department of Pediatrics, Nagoya University Graduate School of Medicine)

Akihito Takeuchi

(Division of Neonatology and Child Neurology, National Hospital Organization Okayama Medical Center, Okayama, Japan)

- I05-01 Hemoglobin phase of oxygenation and deoxygenation in preterm infants:Developmental trajectory and prognosis**  
Anna Shiraki  
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- I05-02 An algorithm for general movements detection in preterm infant using instantaneous heart rate**  
Tomoki Maeda  
Department of Pediatrics, Oita University, Oita, Japan
- I05-03 Direct evidence that age-related change in MRI-DTI in the human corpus callosum represent the development of myelination**  
Tomonori Ono  
Epilepsy Center, NHO Nagasaki Medical Center, Omura, Nagasaki, Japan
- I05-04 Therapeutics in spinal muscular atrophy -an initial Indian experience**  
Smilu Mohanlal  
Aster malabar institute of Medical sciences, Kozhikode, Kerala, India
- I05-05 A single center study of the natural history of patients with spinal muscular atrophy in Japan**  
Ayaka Ohno  
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

## International Session Poster

### International Session Poster 1

#### International Session

- IP-001 De novo ARF3 variants cause neurodevelopmental disorder with brain abnormality.**  
Masamune Sakamoto  
Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

- IP-002**    **Efficacy of vigabatrin in an infant with West syndrome due to pyruvate dehydrogenase complex deficiency: A case report**  
Mitsuo Motobayashi  
Nagano Children's Hospital, Azumino, Japan
- IP-003**    **Establishment and Progress of Epilepsy Support Network**  
Eiji Nakagawa  
Department of Epileptology, National Center Hospital, National Center of Neurology and Psychiatry, T
- IP-004**    **Nusinersen induces changes of compound muscle action potential in long-term affected spinal muscular atrophy patients**  
Yuki Ueda  
Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan
- IP-005**    **Timeline to treatment for one case of spinal muscular atrophy detected at newborn screening**  
Taku Omata  
Division of Child Neurology, Chiba, Japan
- IP-006**    **Genotype and phenotype landscape of 283 Japanese patients with tuberous sclerosis complex**  
Yo Niida  
Center for Clinical Genomics, Kanazawa Medical University Hospital, Ishikawa, Japan
- IP-007**    **Polysomnography findings in children with sleep disorders**  
Yukie Arahata  
Department of Pediatrics, International University of Health and Welfare Narita Hospital, Chiba, Jap