

**The 66th Annual Meeting of  
the Japanese Society of Child Neurology**

May 30<sup>th</sup> – June 1<sup>st</sup>, 2024

Nagoya, Japan

**PROGRAM**

### **Presidential Lecture**

Chair: Takao Takahashi (Center for Developmental Neurology, Shin-yurigaoka General Hospital)

Spit Against Heaven, Young People

Akihisa Okumura (Department of Pediatrics, School of Medicine, Aichi Medical University)

### **Invited Lecture1**

Chair: Tojo Nakayama (Neurology and Neurological Science, Tokyo Medical and Dental University)

Progress towards interventional neurogenetics

Timothy W. Yu (Boston Children's Hospital and Harvard Medical School, USA)

### **Invited Lecture2**

Chair: Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Hospital)

The role of subplate compartment and its neurons in normal and lesion-altered development of cortical connectivity in the human preterm infants

Ivica Kostovic (Croatian Institute for Brain Research, School of Medicine, University of Zagreb)

### **Invited Lecture3**

Chair: Tatsuya Koeda (Department of Medical Subspecialties National Center for Child Health and Development)

Early detection and intervention in autism : New approaches and looking to the future.

Geraldine Dawson (Duke Center for Autism and Brain Development, Duke University School of Medicine)

### **Invited Lecture4**

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

Leukodystrophies, something old and something new

Marjo S. van der Knaap (Department of Child Neurology, Emma Children's Hospital, Amsterdam University Medical Center, Amsterdam, The Netherlands)

### **Yukio Fukuyama Memorial Lecture**

Chair: Akihisa Okumura (Department of Pediatrics, School of Medicine, Aichi Medical University)

The neurodevelopmental disorders and movement disorders in genetic era

Wang-Tso Lee (National Taiwan University Children's Hospital/National Taiwan University College of Medicine)

### **Special Lecture 1**

Chair: Akihisa Okumura (Department of Pediatrics, School of Medicine, Aichi Medical University)

Is 'Hikikomori' a disease or a way of life? -from clinical experiences in Japan and France-

Tadaaki Furuhashi (Department of Psychopathology & Psychotherapy Graduate School of Medicine, Nagoya University, Nagoya, Japan)

## **Special Lecture 2**

Chair: Naoyuki Tanuma (Tokyo Metropolitan Fuchu Medical Center for the Disabled)

Development of computer-aided diagnostic systems by means of small-data artificial intelligence

Kenji Suzuki (BioMedical Artificial Intelligence Research Unit, Tokyo Institute of Technology, Yokohama, Japan)

## **Special Lecture 3**

Chair: Kazuhiro Muramatsu (Jichi Medical University)

Induction of large-scaled plasticity in juvenile and adult brains

Tadashi Isa (Graduate School of Medicine, Kyoto University, /Institute for the Advanced Study of Human Biology, Kyoto University)

## **Educational Lecture 1**

Chair: Masaya Tachibana (United Graduate School of Child Development, Osaka University)

Understanding child neurodevelopment with birth cohort studies

Kenji Tsuchiya (1.Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan / Osaka University United Graduate School of Child Development, Suita, Japan)

## **Educational Lecture 2**

Chair: Satoru Takahashi (Asahikawa Medical University)

Pediatric neurology in the era of genomic medicine

Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

## **Educational Lecture 3**

Chair: Seigo Korematsu (Department of Pediatrics, Saitama Medical Center, Saitama Medical University)

What a pediatric neuropathologist can do for pediatric patients is ...

Hiroaki Miyahara (Institute for Medical Science of Aging, Aichi Medical University, Aichi, Japan)

## **Educational Lecture 4**

Chair: Fumikazu Sano (Department of Pediatrics, Faculty of Medicine, University of Yamanashi)

Physiology and Pathophysiology functions of microglia

Hiroaki Wake (Department of Anatomy and Molecular Cell Biology Nagoya University Graduate School of Medicine / Division of Multicellular Circuit Dynamics, National Institute for Physiological Sciences, National Institute of Natural Sciences)

## **Educational Lecture 5**

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

ILAE classification and definition of epilepsy syndromes 2022

Norimichi Higurashi (Department of Pediatrics, Jikei University School of Medicine)

### **Educational Lecture 6**

Chair: Mitsumasa Fukuda (Tokyo Metropolitan Neurological Hospital)

Reading method of critical care EEG based on the terminology of ACNS 2021 version

Hidetoshi Nakamoto (The department of neurosurgery, TMG Asaka Medical Center, Asaka, Japan)

### **Educational Lecture 7**

Neurological diseases that are also important in the pediatric field -prion disease and NIID-

Chair: Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital),  
Jun Sone (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University.)

Clinicopathological characteristics of prion diseases

Yasushi Iwasaki (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Nagakute, Japan)

Childhood-onset prion disease

Hirofumi Kashii (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

Neurodegenerative diseases with increasing number of cases in adults: Neuronal intranuclear inclusion disease (NIID).

Jun Sone (Dept. of Neuropathol., Institute for Medical Science of Aging, Aichi Medical University)

A pediatric case of neuronal intranuclear inclusion disease diagnosed by skin biopsy and NOTCH2NLC genetic testing

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

### **Educational Lecture 8**

Chair: Katsunori Fujii (Department of Pediatrics, International University of Health and Welfare)

A novel treatment strategy harnessing donor Muse cells that does not require HLA matching or immunosuppressants

Mari Dezawa (Tohoku University Graduate School of Medicine, Sendai, Japan)

### **Educational Lecture 9**

Chair: Toru Kato (Department of Pediatrics, Okazaki City Hospital)

Basic of perinatal brain injury

Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)

### **Educational Lecture 10**

Chair: Muneaki Matsuo (Department of Pediatrics, Saga University)

Advances and challenges in the management of congenital cytomegalovirus infection

Yoshinori Ito (Department of Pediatrics, Aichi Medical University)

### **Committee Educational Lecture**

Chair: Yasuhiro Takeshima (Department of Pediatrics, Hyogo Medical University)

#### **2023 Revision of Ethical Guidelines for Life-Science and Medical Research Involving Human Subjects**

Eiji Maruyama (Kobe University)

### **Award Lecture**

Chair: Ichizo Nishino (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry)

#### **Development of a system adapted for the diagnosis and evaluation of peroxisomal disorders by measuring bile acid intermediates.**

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

### **Symposium1**

#### **The Mechanism of Fetal Brain Development: The Role of Subplate Neurons.**

Chair: Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Hospital),  
Chiaki Ohtaka-Maruyama (Tokyo Metropolitan Institute of Medical Science Developmental Neuroscience Project)

#### **[S1-1] Delta brush on human preterm EEG and subplate neurons**

Anna Shiraki (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan /  
Department of Pediatrics, Nagoya Memorial Hospital, Nagoya, Japan)

#### **[S1-2] A subplate hypothesis of u-shaped development**

Gentaro Taga (Graduate School of Education, The University of Tokyo)

#### **[S1-3] Development of the subplate layer and its role in neural circuits and cortical formation**

Ohtaka-Maruyama Chiaki (Tokyo Metropolitan Institute of Medical Science)

#### **[S1-4] Experience-dependent functional plasticity and visual selectivity of subplate neurons in the mouse visual cortex**

Yumiko Yoshimura (National Institute for Physiological Sciences / SOKENDAI, Okazaki, Japan)

### **Symposium 2**

#### **Viral infection and child neurology**

Chair: Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital),  
Hiroshi Sakuma (Tokyo Metropolitan Institute of Medical Science)

#### **[S2-1] SARS-CoV-2-associated encephalopathy in Japanese children: nationwide epidemiological study between 2020 and 2022**

Mariko Kasai (Department of Brain and Neurosciences, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

#### **[S2-2] Central Nervous System Diseases by Human Herpesviruses**

Yoshiki Kawamura (Department of Pediatrics, Fujita Health University Okazaki Medical Center, Okazaki, Japan)

#### **[S2-3] Acute flaccid myelitis**

Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)

#### **[S2-4] Acute encephalitis/encephalopathy and AFP -Importance of pathogen surveillance**

Keiko Tanaka-Taya (Kanagawa Prefectural Institute of Public Health, Kanagawa, Japan)

### **Symposium 3**

Therapeutic development through innovative approaches based on the pathophysiology of neurodegenerative and metabolic diseases

Chair: Kazuhiro Muramatsu (Jichi Medical University),  
Tojo Nakayama (Neurology and Neurological Science, Tokyo Medical and Dental University)

[S3-1] Finding Cure for Fukuyama congenital muscular dystrophy

Mariko Taniguchi-Ikeda (Department of Clinical Genetics, Fujita Health University Hospital, Aichi, JAPAN)

[S3-2] Therapeutic development of RNA splicing modulator for Fabry disease GLA c.639+919G>A Taiwanese variant.

Tomonari Awaya (Center for Anatomy, Pathology, and Forensic Medicine Research, Kyoto University Graduate School of Medicine, Kyoto, Japan, / Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine, Kyoto, Japan)

[S3-3] Gene therapy for hypomyelinating leukodystrophy using AAV with artificial miRNA

Ken Inoue (Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan)

[S3-4] Gene therapy with AAV vector for nervous system disease

Kiwako Tsukida (Department of pediatrics, Jichi Medical University, Tochigi, Japan)

[S3-5] Stem cell therapy for neonatal hypoxic-ischemic encephalopathy and cerebral palsy

Yoshiaki Sato (Division of Neonatology, Center for Maternal-Neonatal Care, Nagoya University Hospital)

### **Symposium 4**

Consensus and guidelines for pediatric neuroimmune disorders

Chair: Yasunari Sakai (Kyushu University),  
Hiroshi Sakuma (Tokyo Metropolitan Institute of Medical Science)

[S4-1] Consensus on the treatment of autoimmune encephalitis

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

[S4-2] Recent Practical Guidelines for Myasthenia Gravis and CIDP

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

[S4-3] Guidelines for the diagnosis and the treatment of MOG antibody-associated diseases (MOGAD)

Naomi Hino-Fukuyo (Division of Pediatrics, Graduate School of Medicine, Tohoku Medical and Pharmaceutical University)

[S4-4] Clinical guideline 2023 for multiple sclerosis and neuromyelitis optica spectrum disorders in Japan

Yasunari Sakai (Department of Pediatricds, Graduate School of Medical Sciences, Kyushu University)

### **Symposium 5**

Diverse physiological function of glia cells in neurological diseases

Chair: Iori Ohmori (Okayama University, Faculty of Education),  
Fumikazu Sano (Department of Pediatrics, Faculty of Medicine, University of Yamanashi)

[S5-1] Glial function in sleep in health and disease

Ko Matsui (Super-network Brain Physiology, Graduate School of Life Sciences, Tohoku University, Sendai, Japan)

[S5-2] Epileptogenic astrocyte mediated ictogenesis and epileptogenesis

Fumikazu Sano (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan / Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan / GLIA Center, Interdisciplinary Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan)

[S5-3] The mechanisms of which microglia are related to the pathology in the "primary astrocytic disease" Alexander disease

Kozo Saito (Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan / GLIA center, University of Yamanashi, Yamanashi, Japan)

[S5-4] Role of glial cells in neurodegeneration and repair processes induced by oxidative stress

Iori Ohmori (Institute of Academic Research, Okayama University, Okayama, Japan)

## **Symposium 6**

### **Brain Protection-Oriented Pediatric Neurointensive Care**

Chair: Hiroaki Nagase (Department of pediatrics, Kobe university school of medicine),  
Kazunori Aoki (Division of Pediatric Critical Care Medicine, Hyogo Prefectural Kobe Children's Hospital,)

[S6-1] Pediatric neurointensive care oriented toward brain protection

Hiroaki Nagase (Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

[S6-2] How to manage brain injuries ! ~Inside the head of pediatric intensivists~

Kazunori Aoki (Division of Pediatric Critical Care Medicine, Hyogo Prefectural Kobe Children's Hospital, Hyogo, Japan)

[S6-3] This is how pediatric neurologists think in case of brain injury!

Masahiro Nishiyama (Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan)

[S6-4] Brain protection-oriented regional alliance and multidisciplinary collaboration: in the view of intensive care physician

Shunsuke Noda (Nagano Children's Hospital Pediatric Intensive Care Unit)

[S6-5] Brain protection-oriented regional alliance and multidisciplinary collaboration: in the view of neuropaediatrician

Mitsuo Motobayashi (Division of Neuropaediatrics, Nagano Children's Hospital, Azumino, Japan / Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan)

## **Symposium 7**

### **Clinical Neurophysiology of Child Neurology**

Chair: Akihiko Ishiyama (Tokyo Metropolitan Neurological Hospital),  
Shinobu Fukumura (Department of Pediatrics, Sapporo Medical University School of Medicine)

[S7-1] Neurophysiology in central nervous system diseases and genetic disorders.

Shinobu Fukumura (Department of Pediatrics, Sapporo Medical University School of Medicine)

[S7-2] Clinical neurophysiology in movement disorders

Hirofumi Kashii (Department of Neuropaediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

[S7-3] Neurophysiology in neurodevelopmental disorders

Atsuko Gunji (College of Education, Yokohama National University / NCNP, Tokyo, Japan)

[S7-4] Clinical neurophysiology of neuromuscular disorders

Akihiko Ishiyama (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

**Symposium8**

Development of new drugs and technologies in pediatric diseases

Chair: Mitsuhiro Kato (Showa University School of Medicine, Showa University Hospital),  
Hideaki Shiraishi (Department of Pediatrics, Dokkyo Medical University)

[S8-1] Development of a new drug for intractable epilepsy: sirolimus, an mTOR Inhibitor, for seizure prevention of FCD type II

Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan / Epilepsy Medical Center, Showa University Hospital, Tokyo, Japan)

[S8-2] Development of Percutaneous Auricular Vagus Nerve Stimulation Therapy for Patients with Epilepsy

Hideaki Shiraishi (Department of Pediatrics, Dokkyo Medical University, Mibu, Shimotsugagun, Tochigi)

[S8-3] Issues in developing gene therapy for neurological and metabolic diseases

Kazuhiro Muramatsu (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

**Symposium 9**

Specific Learning Disorder in extremely preterm infants

Chair: Akihito Takeuchi (NHO Okayama Medical Center),  
Miho Fukui (Department of Pediatrics, Osaka Medical and Pharmaceutical University)

[S9-1] Assessment of reading ability in the follow-up of preterm infants.

Noriko Sugino (National Hospital Organization Mie Chuo Medical Center, Mie, Japan)

[S9-2] Specific Learning Disorder in children born preterm

Miho Fukui (Department of Pediatrics, Osaka Medical and Pharmaceutical University Hospital, Takatsuki, Japan / Department of Education, Osaka Ohtani University, Tondabayashi, Japan)

[S9-3] Specific Learning Disorder in children born preterm and neuroimaging studies

Hitoshi Uchiyama (Department of Early Childhood and Elementary Education Faculty of Humanities and Education, University of Shimane, Matsue, Japan)

[S9-4] Outpatient care for supporting school-aged children in a follow-up program for high-risk newborns

Naoto Yamaguchi (Department of Neonatology, Kanagawa Children's Medical Center / Kawasaki-Hokubu Ryouiku Center)

**Symposium 10**

Pathophysiological analysis and drug discovery of neurological diseases using iPS cells

Chair: Norimichi Higurashi (Department of Pediatrics, Jikei University School of Medicine),  
Matsuo Muneaki (Department of Pediatrics, Faculty of Medicine, Saga University)

[S10-1] Pathological analysis and drug discovery research for intractable epilepsy

Yasuyoshi Tanaka (Department of Pharmaceutical Care and Health Sciences, Faculty of Pharmaceutical Sciences, Fukuoka University, Fukuoka, Japan)

[S10-2] Studying for abnormal phenotypes and drug development of inborn errors of metabolism

Takumi Era (Dept of Cell Modulation, Institute of Molecular Embryology and Genetics, Kumamoto University, Kumamoto, Japan)

[S10-3] Pathophysiological analysis and drug discovery research for ALS using iPSCs technology  
Hideyuki Okano (Keio University)

[S10-4] Pathophysiological study of Moyamoya disease using the disease specific iPS cells  
Muneaki Matsuo (Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)

### **Symposium 11**

Behavioral parenting programs for ADHD: Cross-cultural considerations and implementation and challenges

Chair: Yushiro Yamashita (Department of Pediatrics and Child Health Kurume University School of Medicine)  
Tatsuya Koeda (Department of Pediatric Specialities)

[S11-1] Well Parent Japan (WPJ): A pragmatic multi-site RCT of parent training program designed to address the needs of ADHD

Shizuka Shimabukuro (Okinawa Institute of Science and Technology Graduate School, Okinawa, Japan)

[S11-2] Development of Mobile-Health Parenting Program in Brazil

Emi Furukawa (Okinawa Institute of Science and Technology Graduate University, Okinawa, Japan)

[S11-3] A Community-based participatory research approach to developing a behavioral parenting program

Aya Kasai (Miyazaki International University, Miyazaki, Japan)

[S11-4] Problems to be solved in the practice of summer treatment program for children with ADHD in Japan

Yushiro Yamashita (Cognitive and Molecular Research Institute of Brain Diseases, Kurume, Japan / Yanagawa, Japan)

### **Symposium 12**

Leukodystrophies up to date ; bench to bedside

Chair: Junichi Takanashi (Tokyo Women's Medical University Yachiyo Medical Center),  
Hitoshi Osaka (Jichi Med Univ. Dept of Pediatrics)

[S12-1] Milestones in the Treatment and Research of White Matter Dystrophy in Japan

Hitoshi Osaka<sup>1</sup>, Ken Inoue (Dept. of Pediatrics, Jichi Medical University, Shimotsuke, Japan)

[S12-2] Magnetic resonance spectroscopy (MRS) in leukodystrophy

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

[S12-3] Genetic analysis of leukodystrophy

Hiroto Saito (Department of Biochemistry, Hamamatsu University School of Medicine)

[S12-4] Molecular pathologies and therapies for hypomyelinating leukodystrophies

Ken Inoue (Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan)

### **Symposium 13**

Should the Decision on Surgical Procedure and Resection Area Be Made by a Neurologist or a Surgeon?

Chair: Ayataka Fujimoto (Comprehensive epilepsy center, Seirei Hamamatsu general hospital),  
Ryoko Honda (National Hospital Organization Nagasaki Medical Center)

[S13-1] Practice of Epilepsy surgery in Children's Hospital

Kenichi Usami (Division of Neurosurgery, National Center for Child Health and Development, Tokyo, Japan)

[S13-2] A child neurologist is a general practitioner for childhood epilepsy.

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

[S13-3] Roles of neurologists and neurosurgeons in determining surgical technique and extent of resection in epilepsy surgery.

Hiroharu Suzuki (Department of Neurosurgery, Juntendo University, Tokyo, Japan)

[S13-4] Child neurologists decide the surgical options: experiences in Seirei Hamamatsu General Hospital

Tohru Okanishi (Division of Child Neurology, Faculty of Medicine, Tottori University / Hamamatsu, Japan)

## **Symposium 14**

### **Up-to-date Diagnosis and treatment of Mitochondrial diseases**

Chair: Hitoshi Osaka (Jichi Med Univ. Dept of Pediatrics),  
Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine)

[S14-1] Establishment of medical infrastructure for mitochondrial diseases in Japan

Kei Murayama (Diagnosis and Therapeutics of Intractable Disease, Intractable Disease Research Center, Juntendo University, Tokyo, Japan)

[S14-2] Diagnosis and treatment of Leigh syndrome

Erika Ogawa (Tokyo Metropolitan Hiroo Hospital, Department of Pediatrics, Tokyo, Japan / Nihon University, Department of Pediatrics and Child Health, Tokyo, Japan)

[S14-3] The diagnosis and treatment of MELAS

Shuichi Yatsuga (Department of Pediatrics, Fukuoka University, Fukuoka, Japan)

[S14-4] Transition to adult health care for patients with mitochondrial diseases: current situation and perspectives

Masamichi Ikawa (Department of Community Health Science, Faculty of Medical Sciences, University of Fukui, Fukui, Japan / Department of Medical Genetics, University of Fukui Hospital, Fukui, Japan / Department of Neurology, University of Fukui Hospital, Fukui, Japan)

## **Symposium 15**

### **Comprehensive Treatment Strategies for Pediatric Tics**

Chair: Shinichiro Nagamitsu (Department of Pediatrics, Fukuoka University Faculty of Medicine),  
Yushiro Yamashita (Department of Pediatrics and Child Health Kurume University School of Medicine)

[S15-1] The journey to the establishment of guidelines for the treatment of pediatric tics.

Ryuta Ishii (Department of Pediatrics and Child Health, Kurume University School of Medicine)

[S15-2] A randomized controlled trial of a remote and group setting comprehensive behavioral intervention for tics

Takeshi Inoue (Dokkyo Medical university Saitama Medical Center, Child Development and Psychosomatic Medicine Center, Saitama, Japan)

[S15-3] Treatment for Psychiatric Comorbidities in Tourette's Disorder

Takashi Okada (Department of Psychiatry, Nara Medical University)

[S15-4] Multiple treatments for age - dependent tics and comorbidities

Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

**Symposium 16**

Future Prospects for migraine

Chair: Hideo Enoki (Department of Pediatrics, Kawasaki Medical School),  
Gaku Yamanaka (Tokyo Medical University)

[S16-1] Headache and comorbidities in childhood and adolescence

Hideki Shimomura (Department of Pediatrics, Hyogo Medical University School of Medicine, Nishinomiya, Japan)

[S16-2] New migraine therapy targeting CGRP

Yasuhiko Matsumori (Sendai Headache and Neurology clinic)

[S16-3] Headache and Nociceptive Pain

Masahiko Sumitani (Department of Pain and Palliative Medicine, The University of Tokyo Hospital, Tokyo, Japan)

[S16-4] Preclinical study of migraine using model animals

Hidekazu Aizawa (Department of Neurobiology, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima, Japan)

**Symposium 17**

Neuromuscular disease guideline pitfalls

Chair: Hirofumi Komaki (Department of Child Neurology, National Center of Neurology and Psychiatry),  
Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University School of Medicine)

[S17-1] Notes on using the guidelines of juvenile myasthenia gravis

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

[S17-2] Key points in care guideline for Duchenne muscular dystrophy

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

[S17-3] Pompe disease clinical practice guidelines 2018 and beyond

Aya Narita (Division of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University, Yonago, Japan)

[S17-4] Considerations of using the guidelines in the clinical practice of juvenile dermatomyositis

Takayuki Kishi (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

**Symposium 18**

Advance care planning and decision-making support for children with severe motor and intellectual disabilities

Chair: Masayuki Sasaki (Tokyo Children's Rehabilitation Hospital),  
Atsuo Nezu (Yokohama Medical and Welfare Centre, Konan)

[S18-1] Decision Making in Respiratory and Nutritional Management

Nobuyuki Yotani (Division of Palliative Medicine, National Center for Child Health and Development)

[S18-2] ACP for children with severe intellectual and physical disabilities and with chronic respiratory failure

Yuka Ishikawa (Department of Pediatric Neurology, National Hospital Organization Hokkaido Medical Center, Sapporo, Japan)

[S18-3] Advance care planning for severe spasticity and skeletal deformities in severely handicapped children

Atsuo Nezu (Clinic for Paediatric Neurology, Yokohama Medical and Welfare Centre, Konan, Yokohama, Japan)

[S18-4] ACP and practice of decision-making for children and persons with severe motor and intellectual disorders

Masahisa Funato (Osaka Developmental Rehabilitation Center)

## **Symposium 19**

Turning Point in Epilepsy Treatment: Insights for Future Care

Chair: Tohru Okanishi (Division of Child Neurology, Faculty of Medicine, Tottori University),  
Hideaki Shiraishi (Department of Pediatrics, Dokkyo Medical University)

[S19-1] Next-generation epilepsy treatment using special EEG analysis

Yosuke Sato (Brain Function Analysis & Digital Medicine Research Institute, Showa University)

[S19-2] Strategies for treatment of epilepsy approaching from the perspective of neuroinflammation

Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University, Tokyo, Japan / Department of Pharmaceutical Care and Health Sciences, Faculty of Pharmaceutical Sciences, Fukuoka University, Fukuoka, Japan.)

[S19-3] Epilepsy and genetic tests

Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

[S19-4] Application of Machine Learning in Identifying Acute Encephalopathy from EEG Signals

Masashi Nishiyama (Faculty of Engineering, Tottori University)

## **Symposium 20**

Forefront of intestinal microbiota research

Chair: Hiroshi Sakuma (Tokyo Metropolitan Institute of Medical Science),  
Naoyuki Tanuma (Tokyo Metropolitan Fuchu Medical Center for the Disabled)

[S20-1] Microbiome research in neurological disorders

Takashi Yamamura (National Center of Neurology and Psychiatry)

[S20-2] Autism spectrum disorder and gut microbiota

Noriko Sumitomo (Department of child neurology, national center of neurology and psychiatry)

[S20-3] Relationship between dementia and the gut microbiota: a novel risk factor for dementia?

Naoki Saji (National Center for Geriatrics and Gerontology, Obu, Japan)

## **Symposium 21**

New strategies for support child development with digital technology

Chair: Takao Takahashi (Center for Developmental Neurology, Shin-yurigaoka General Hospital),  
Chieko Akiyama (Akiyama Children's Clinic)

[S21-1] The reality of media viewing in infancy and childhood and the importance of play

Chieko Akiyama (Akiyama Children's Clinic, Tokyo, Japan)

[S21-2] Preventing addiction to digital games

Toru Yoshikawa (Department of Child Psychiatry, Aichi Developmental Disability Center Central Hospital, Kasugai, Japan)

[S21-3] Educational DX application and child's development

Naoko Narita (Faculty of Special Education, Institute of Education, Bunkyo University, Saitama, Japan)

[S21-4] The attachment is fostered through picture books that correspond to the perspective of the polyvagal theory.

Sawa Yasumoto (General Medical Research Center, Fukuoka University, Fukuoka, Japan)

[S21-5] Child-rearing/education in digital environment

Takao Takahashi (Center for Developmental Neurology, Shin-yurigaoka General Hospital, Kanagawa)

## **Symposium 22**

Thinking about "Child Advocacy" as pediatric neuropathologist

Chair: Nobuyuki Yotani (National Center for Child Health and Development),  
Kaeko Ogura (National Center for Child Health and Development)

[S22-1] What we should do to put children's opinions in policy

Kaeko Ogura (National Center for Child Health and Development, Tokyo, Japan / Department of Children and Families, Tottori, Japan / Kurayoshi public health center, Tottori, Japan)

[S22-2] Listening to the voices of children with disabilities: from the field of rehabilitation

Kyoko Sugai (Osaka Developmental Rehabilitation Center, Osaka, Japan)

[S22-3] From the standpoint for supporting the the patient children and hearing of their mind

Kazuko Sakaue (Tokyo, Japan)

[S22-4] A "common language" among medical professionals, parents and children - Oshiete!

Doctor Project and advocacy -  
Masahiko Sakamoto (Saku Central Hospital Advanced Care Center)

[S22-5] Advocacy in Pediatric Neurology

Nobuyuki Yotani (Division of Palliative Medicine, National Center for Child Health and Development / Thinktank, National Center for Child Health and Development)

## **Japan Society of Gene and Cell Therapy joint symposium**

Toward clinical applications of gene therapy for pediatric neurological disorders and the establishment of treatment frameworks

Chair: Hiroshi Kobayashi (The Jikei University School of Medicine)  
Kazuhiro Muramatsu (Jichi Medical University)

[JS1-1] Basic Knowledge of Gene Therapy

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

[JS1-2] AAV vectors advance gene therapy while overcoming challenges.

Shin-ichi Muramatsu (Jichi Medical University, Tochigi, Japan)

[JS1-3] Establishing a system for introducing gene therapy for neuromuscular diseases

Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)

[JS1-4] Bringing gene therapy to the patients

Hitoshi Osaka (Dept. of Pediatrics, Jichi Medical University, Shimotsuke, Japan)

[JS1-5] Support from JSGCT and the JSGCT Board Certified Doctor

Akihiro Kume (Center for Clinical Investigation, Jichi Medical University Hospital, Shimotsuke, Japan)

**JSCN- ISS Joint Symposium**

Overview of the latest development in developmental and epileptic encephalopathy (DEE)

Chair: Hideo Yamanouchi (Department of Pediatrics, Saitama Medical University Hospital)  
Sankar Raman (University of California, Los Angeles)

[JS2-1] Genetics of febrile seizures and related disorders, including Dravet syndrome

Ingrid E Scheffer (Pediatrics, University of Melbourne/Austin Health, Australia)

[JS2-2] Developmental and epileptic encephalopathy from the viewpoint of neuroimaging Society of Child Neurology

Yuji Ito (Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan)

[JS2-3] Anti- seizure medications for DEE

Wang-Tso Lee (National Taiwan University Children's Hospital/National Taiwan University College of Medicine)

[JS2-4] Is surgical treatment effective for patients with developmental epileptic encephalopathy?

Ryoko Honda (Department of Pediatrics, NHO Nagasaki Medical Center, Nagasaki, Japan)

**Committee Seminar 1**

Application of patient registry (disease registry system) to clinical development

Chair: Jun Tohyama (NHO Nishiniigata Chuo Hospital)  
Eri Takeshita (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

[CS1-1] Rare disease registry system in Japan Society of Child Neurology and collaborative research support

Jun Tohyama (Department of Child Neurology, NHO Nishiniigata Chuo Hospital, Niigata, Japan / Center for Medical Genetics, Niigata University Medical and Dental Hospital, Niigata, Japan)

[CS1-2] Registry of Patients with neuromuscular disorders (Remudy) and Muscular Dystrophy Clinical Trials Network (MDCTN)

Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)

[CS1-3] Muscular Dystrophy Clinical Trial Network (MDCTN) multicenter natural history study of Duchenne muscular dystrophy.

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

[CS1-4] Patient Registry and Therapeutic Drug Development for Fukuyama Congenital Muscular Dystrophy

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

[CS1-5] Considering Patient Involvement in Research: Utilization of Patient Info Platforms from the Patients' Perspectives.

Yukiko Nishimura, Yuriko Oda (NPO ASrid (Japan) / NPO PADM (Japan))

## **Committee Seminar 2**

### **The Health Care systems for Specific Pediatric Chronic Diseases and Intractable Diseases**

Chair: Yushiro Yamashita (Department of Pediatrics and Child Health Kurume University School of Medicine)  
Takahito Inoue (Department of Pediatrics, Fukuoka University Chikushi Hospital)

#### **[CS2-1] Neuromuscular diseases in Specific pediatric chronic diseases**

Akinori Moriichi (Division of Specific Pediatric Chronic Diseases, Research Institute, National Center for Child Health and Development, Tokyo, Japan)

#### **[CS2-2] The independence support project for specified chronic pediatric disease in Japan**

Kaeko Ogura (National Center for Child Health and Development, Tokyo, Japan / Department of Children and Families, Tottori, Japan, 3.Kurayoshi public health center, Tottori, Japan)

#### **[CS2-3] From the Perspective of the Patients' Families**

Hsiao Harada (chairman)

#### **[CS2-4] Policies for Intractable Diseases and Chronic specific childhood diseases**

Rieko Nakamura (Intractable / Rare Disease Control Division, Health service and Environmental Health Bureau, Ministry of Health, Labour and Welfare, Japan)

## **Committee Seminar 3**

### **Treatment algorithm based on practice guideline 2023 for spasticity and dystonia in childhood**

Chair: Atsuo Nezu (Yokohama Medical and Welfare Centre, Konan)  
Yukihiro Kitai (Department of pediatric neurology, Bobath Memorial Hospital)

#### **[CS3-1] Treatment of botulinum toxin injection**

Atsuo Nezu (Clinic of Pediatric Neurology, Yokohama Medical and Welfare Centre, Konan, Yokohama, Japan)

#### **[CS3-2] Selective dorsal rhizotomy for childhood spasticity**

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

#### **[CS3-3] The Role of ITB Therapy in Pediatric Spasticity Treatment Strategies in New Guideline**

Takeshi Kinjo (Department of Orthopedic Surgery, Okinawa Prefectural Nanbu Medical Center and Children's Medical Center, Okinawa, Japan)

#### **[CS3-4] The treatment algorithm of dystonia in children**

Yohane Miyata (Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan / Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

## **Committee Seminar 4**

### **Ketone Formula Issues - Current Status and Sustainable Usage Strategies**

Chair: Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)  
Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University School of Medicine)

#### **[CS4-1] Current status and challenges of ketogenic diet and ketone formula**

Shin Nabatame (Department of Pediatrics, Osaka University Graduate School of Medicine, Suita, Japan / Epilepsy Center, Osaka University Hospital, Suita, Japan)

#### **[CS4-2] Nutritional characteristics and production status of ketone-formula '817-B'**

Takahiro Kanno (R&D Total Oversight Department / R&D Div. / Meiji Co., Ltd.)

[CS4-3] How to make use Ketone Formula in the ketogenic diet

Naoko Nagai (Division of Nutritional Management, Osaka University Hospital, Suita, Japan)

[CS4-4] Alternatives for proper use of ketone formula (KF) from a certified nutritionist's perspective

Rika Suzumura (The Department of Nutrition, Seirei Hamamatsu General hospital, Hamamatsu, Japan)

[CS4-5] Ketone formula for Glut1 deficiency syndrome

Sayoko Moriyama (Patients & families group of Glut1 deficiency syndrome)

[CS4-6] Therapeutic effects of using ketone formula include more than just seizure control.

Ruby Kuroiwa (Dravet Syndrome JP, Tokyo, Japan)

### **Committee Seminar 5**

Young Child Neurologist Communication Project (YCNCP)

Chair: Yuko Shimizu-Motohashi (Department of Child Neurology, National Center of Neurology and Psychiatry)

[CS5-1] Strengths and Opportunities for Neurological Care in Thailand

Titaporn Thamcharoenvipas (Department of Pediatrics, Faculty of Medicine, Prince of Songkla University, Thailand)

[CS5-2] Pediatric Neurology in Taiwan: An Overview of Clinical Practice, Education, and Research

Lee Chin Wong (Division of Pediatric Neurology, Department of Pediatrics, National Taiwan University Children's Hospital)

[CS5-3] What it means to be a pediatric neurologist in South Korea

Woojoong Kim (Department of Pediatrics, Division of Pediatric Neurology, Seoul National University Children's Hospital, South Korea)

[CS5-4] Pediatric Neurology in Singapore

Adeline Ngoh Seow Fen (KK Women's and Children's Hospital, SingHealth, Singapore)

[CS5-5] Comprehensive Patient Care through Collaborative Medical Networks: A Multidisciplinary Approach

Masashi Ogasawara (Department of Pediatrics, Showa General Hospital)

[CS5-6] Adventures in pediatric neurology: Clinical and research training in Japan

Daisuke Sawada (Department of Pediatrics, Chiba University Graduate School of Medicine)

### **Committee Seminar 6**

Let's discuss together about the evacuation center for handicapped children at the time of disaster

Chair: Shigemi Kimura (Kumamoto Takumadai Rehabilitation Hospital)

Yusaku Endo (Department of Pediatrics, Hamamatsu City Welfare and Medical Center for Development)

[CS6-1] Questionnaire survey for special support schools about opening the welfare shelters for children

Keiko Nomura (Rehabilitation Center for Children with Disabilities Kumamoto Prefecture, Ukishi, Kumamoto, Japan)

[CS6-2] School Response to the Kumamoto Earthquake in 2016

Hiroshi Gose (Saiseikai Nadeshikoen, Kumamoto, Japan)

[CS6-3] Severe Disabilities and Disasters - From the Perspective of Those Involved-

Momoko Takahashi (Social Welfare Organization Tsutsui no Ie APPLI / Sendai, Miyagi, Japan)

[CS6-4] How do we raise awareness of evacuation in the event of a disaster?

Ayumi Suzuki (Faculty of Social Welfare, Iwate Prefectural University, Iwate, Japan)

[CS6-5] A study for refuge of children required medical care

Hiroyuki Morita (Fukushima rehabilitation center for children)

### **Committee Seminar 7**

Child abuse/disability abuse from the perspective of child development

Chair: Nobuyoshi Mimaki (Kurashiki Medical Center)

Kosuke Kohashi (Kamogawa Kokuho Municipal Hospital)

[CS7-1] All children should be cherished by being the center of their world.

Satoko Kitagawa (Social Welfare Corporation Muginokokai, Sapporo, Japan)

[CS7-2] Long-term effects of Adverse Childhood Experiences and Positive Childhood Experiences as protective factors

Yui Yamaoka (Department of Global Health Promotion, Tokyo Medical and Dental University)

[CS7-3] Effects of Childhood Adversity Experiences (ACEs) on child development and Trauma Informed Care (TIC)

Sachiko Nosaka (Graduate School of Human Sciences, Osaka University, Osaka, Japan)

### **Committee Seminar 8**

Case report that you can write

Chair: Kazuhiro Muramatsu (Jichi Medical University)

Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Graduate School of Medicine)

[CS8-1] What I have learned from a case report

Hirokazu Takeuchi (Division of Neurology, Saitama Childrens Medical Center, Saitama, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan)

[CS8-2] My first experience writing a case report

Masahiro Kawaguchi (Department Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Aichi, Japan)

[CS8-3] How to write a case report effectively

Akiyuki Hiraga (Department of Neurology, Chiba Rosai Hospital)

### **Committee Seminar 9**

Injury, drowning, head trauma and prevention

Chair: Seigo Korematsu (Department of Pediatrics, Saitama Medical Center, Saitama Medical University)

Rie Miyata (Tokyokita Medical Center)

[CS9-1] Child neurology and childhood injury prevention

Tatsuhiro Yamanaka (Ryokuen Children's Clinic, Yokohama city, Japan)

[CS9-2] Prevention and guidance form for injuries and drowning in children with epilepsy

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

[CS9-3] Head trauma in children: implication for injury prevention

Satoko Uematsu (Department of Emergency and Transport Medicine, National Center for Child Health and Development, Tokyo, Japan)

[CS9-4] Survey of reasons for performing CT scans for head trauma in children

Shoko Shimokawa (Medical safety committee, Japanese Society for Child Neurosurgery / Department of Neurosurgery, Kurume University School of Medicine, Kurume, Japan)

**Committee Seminar 10**

Paper writing & peer review process as part of career development by contribution to academic activities

Chair: Masafumi Morimoto (Department of Medical Science, School of Nursing, Kyoto Prefectural University of Medicine)

Toshiyuki Yamamoto (Department of Genetic Medicine, Division of Advanced Biomedical Sciences, Graduate School of Medicine, Tokyo Women's Medical University)

[CS10-1] Writing and submitting articles can help build your career

Naomi Hino-Fukuyo (Division of Pediatrics, Graduate School of Medicine, Tohoku Medical and Pharmaceutical University)

[CS10-2] How to write research papers

Satoru Takahashi (Department of Pediatrics, Asahikawa Medical University)

[CS10-3] How to increase the number of neurodevelopmental paper submissions

Yoshimi Kaga (Department of Pediatrics, University of Yamanashi, Chuo, Japan)

[CS10-4] What is the ideal article submission from an editor's point of view?

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

[CS10-5] Launching Brain and Development Case Reports: Connecting pediatric neurologists worldwide through case reports.

Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

[CS10-6] Training for peer review process

Toshiyuki Yamamoto (Department of Genetic Medicine, Division of Advanced Biomedical Sciences, Graduate School of Medicine, Tokyo Women's Medical University)

**Special Committee Seminar**

Learning from 2024 Noto Peninsula Earthquake -Report from the local pediatric neurologist-

Chair: Shigemi Kimura (Kumamoto Takumadai Children's Rehabilitation Development Medical Center)

Yusaku Miyamoto (Department of Pediatrics, St. Marianna University School of Medicine)

[CSS-1] The activities of Ishikawa community network for children with ventilators in Noto Peninsula earthquake

Hitoshi Sato (Department of Pediatrics, Kanazawa Medical University)

[CSS-2] Mid- to long-term support for children affected by the disaster.

Mondo Kuroda (Department of Pediatrics, Kanazawa University Hospital)

[CSS-3] Support activities by Ishikawa Medical Care Child Support Center Konokono :A Case of the Noto Peninsula Earthquake

Keiko Maruhashi (Department of Pediatrics, National Hospital Organization Iou National Hospital, Kanazawa, Japan / Ishikawa Medical Care Child Support Center Konokono, Kanazawa, Japan)

## **Research Promotion Workshop**

### Navigating Future Challenges for Young Physicians

Chair: Kazuhiro Muramatsu (Jichi Medical University)  
Tomonari Awaya (Kyoto University, Graduate School of Medicine)

## **Civil Open Lecture**

### Keynote

Chair: Mihoko Mizuno (Daido-Koryokukai, Social Welfare Corporation Nijiironoie, Residential Hospitals for children with special health care.)

### Supports for medical care children and their families in communities

Kiyokuni Miura (Central Hospital, Aichi Developmental Disability Center, Aichi, Japan)

### Symposium: Supports for medical care children and their families in communities

Chair: Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)  
Keitaro Yamada (Aichi Developmental Disability Center Central Hospital)

### [CO2-1] Understanding Children in Need of Medical Care.

Atsuko Tsunekawa (Aichi Medical Care Line, Aichi, Japan)

### [CO2-2] Visiting nursing

Yuka Sawano (7iriser)

### [CO2-3] For the learning of children under medical care. Past, present and expectations for the future

Mami Shimatani (Komaki Tokubetu Shien Gakko Aichi, Japan)

### [CO2-4] Regarding support for children under medical care at day-care centers for children with disabilities.

Kazutoshi Ueda (Specified Nonprofit Corporation Shiawase Tsumugi, Nagoya, Japan / Ohkagakuen University, Toyoake, Japan)

## **Practical Educational Seminar 1**

### Neuroimaging for Pediatrician 2024

Chair: Hiroshi Oba (Teikyo University Hospital, Department of Radiology)  
Jun-ichi Takanashi (Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center)

#### [PS1-1] Pediatric head CT revisited

Tomonori Kanda (The department of radiology, Kobe University, Kobe, Japan)

#### [PS1-2] Imaging Basics: T1, T2, FLAIR, T2 star, SWI revisit

Harushi Mori (Department of Radiology, School of Medicine, Jichi Medical University)

#### [PS1-3] DWI, DTI revisit

Mikako Enokizono (Department of Radiology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

#### [PS1-4] Basics: MRA and ASL revisited

Hiroyuki Uetani (Department of Joint Research Course of Imaging Dynamics Applied Medicine, Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan)

#### [PS1-5] Anatomy of the brainstem: radiologically visible structures due to diseases.

Yudai Nakai (Department of Radiology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

#### [PS1-6] Let's enjoy! Teaching files in pediatric neuroradiology

Mitsuru Matsuki (Department of Pediatric Radiology, Jichi Children's Medical Center, Tochigi, Japan)

## **Practical Educational Seminar 2**

### Neonatal EEG Interpretation Hands-On

Chair: Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Hospital)  
Hiroyuki Yamamoto (Department of Pediatrics, Nagoya University Graduate School of Medicine)

#### [PS2-1] The normal EEG patterns in neonates

Anna Shiraki (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan /  
Department of Pediatrics, Nagoya Memorial Hospital, Nagoya, Japan)

#### [PS2-2] Abnormal EEG findings in neonates

Tatsuya Fukasawa (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)

#### [PS2-3] Amplitude-integrated EEG for neonates, a neurological trend monitoring program

Yuichiro Sugiyama (Department of Pediatrics, Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hospital, Aichi, Japan)

## **Practical Educational Seminar 3**

### Headaches in children

Moderator: Akira Nishimura (Departments of Pediatrics & Neonatology, Japanese Red Cross Society Kyoto Daiichi Hospital)

#### [PS3-1] Headaches in Children and Adolescents: Promoting Behavioral Change through the Concept of Orthostatic Dysregulation.

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

[PS3-2] "Migraine with aura" with atypical aura.

Hideki Shimomura (Department of Pediatrics, Hyogo Medical University School of Medicine, Nishinomiya, Japan)

[PS3-3] Sleep and Headaches in Adolescence and Young Adulthood

Yasunori Ishihara (Fukui Aiku Hospital)

[PS3-4] Practical diagnosis and treatment of pediatric migraine

Yuko Omata (Department of Pediatrics, Chiba Medical Center, Chiba, Japan)

[PS3-5] How to treat chronic daily headache with school non-attendance: The importance of initial explanation and response

Akira Nagai (Division of General Pediatrics and Interdisciplinary Medicine, Tokyo, Japan)

[PS3-6] Secondary headache in children.

Akira Nishimura (Departments of Pediatrics & Neonatology, Japanese Red Cross Society Kyoto Daiichi Hospital, Kyoto, Japan / Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan)

### **Practical Educational Seminar 4**

#### The 8th practical education seminar for genetics

Speaker: Tetsuya Okazaki (Department of Clinical Genomic Medicine, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan.)

Takeshi Yoshida (Department of Pediatrics, Kyoto University Graduate School of Medicine)

Tutor: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University)

Hironao Shirai (Department of Pediatrics, Kitasato University School of Medicine)

Yasunari Sakai (Kyushu University)

Kazuhiro Muramatsu (Jichi Medical University)

Takahito Wada (Department of Genomic Medicine, Kyoto University Graduate School of Medicine),

Kyoko Takano (Center for Medical Genetics, Shinshu University Hospital)

Pin Fee Chong (Department of Pediatrics, Kyushu University)

Ayumi Matsumoto (Division of Human Genetics, Center for Molecular Medicine, Jichi Medical University)

Yoshiteru Azuma (Aichi Medical University)

Masanori Fujimoto (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)

### **International Session (Platform Presentation) 1: English Session 1**

Chair: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)  
Mariko Ikeda (Department of Clinical Genetics, Fujita Health University Hospital)

[IO1-01] Early fetal phenotype of Joubert syndrome in 12-16 weeks of gestation

Ritsuko K. Pooh (Fetal Brain Center, CRIFM Prenatal Medical Clinic, Osaka, Japan)

[IO1-02] A case of hereditary spastic paraplegia with psychiatric comorbidities due to deletion in 2p22.3p23.1

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

[IO1-03] PHF21A Related Disorder with intellectual disability: a case report of an 11-year-old female

Kyoko Hoshino (Department of Pediatric Neurology, National Hospital Organization Minami Wakayama Medical Center, Wakayama, Japan)

[IO1-04] An adolescent case of ASXL3-related disorder with delayed onset of feeding difficulty

Yuto Arai (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan)

[IO1-05] Loss of SZT2 leads to hyperactivation of mTORC1 in human brain organoids

Emi Sato (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

[IO1-06] Gain-of-function MYCN controls cell death and proliferation, leading to macrocephaly

Masanori Fujimoto (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)

### **International Session (Platform Presentation) 2: English Session 2**

Chair: Hitoshi Osaka (Department of Pediatrics, Jichi Medical University)  
Tomonari Awaya (Center for Anatomy, Pathology, and Forensic Medicine Research, Kyoto University Graduate School of Medicine)

[IO2-01] Upregulation of postsynaptic GABA receptor function in a mouse model of Dravet syndrome.

Kiyoshi Egawa (Department of Pediatrics, Hokkaido University Hospital, Hokkaido, Japan)

[IO2-02] Many children with seizures transferred by ambulance had status epilepticus: a need for prehospital treatment

Masahiko Kimura (Kimura Children and Family Clinic, Izumo, Japan)

[IO2-03] Risk Factors of Prehospital Emergency Care for Acute Encephalopathy in Children With Febrile Status Epilepticus

Yuto Arai (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan)

[IO2-04] Clinical features of 14 patients hospitalized with COVID-19 encephalopathy

Yoshie Kurokawa (Department of Pediatrics, Jichi Medical University Hospital, Shimotsuke, Japan)

[IO2-05] More neurological symptoms in COVID-19 omicron variants

Yayoi Murano (Division of Pediatrics, Tokyo Metropolitan Toshima Hospital, Tokyo, Japan)

### **International Session (Platform Presentation) 3: English Session 3**

Chair: Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital Epilepsy Center)  
Yuko Shimizu-Motohashi (National Center of Neurology and Psychiatry)

[IO3-01] A case of infantile epileptic spasms syndrome with a DYNC1H1 variant responsive to vigabatrin

Hiroataka Motoi (Department of pediatrics yokohama city university medical center)

[IO3-02] Diagnostic value of human high mobility group box 1 serum as biomarker of drug-resistant epilepsy in children

Andika Priamas Nugrahanto (Department of Pediatrics, Universitas Gadjah Mada, Yogyakarta, Indonesia)

[IO3-03] Clinical features and genetic analyses of developmental and epileptic encephalopathies in Indonesia

Kristy Iskandar (Division of Neurology, Department of Child Health, Universitas Gadjah Mada, Yogyakarta, Indonesia)

[IO3-04] Multimodal analysis of neural activity and dynamics in the CDKL5 loss-of-function mouse brain

Teruyuki Tanaka (Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)

[IO3-05] The usefulness of a 3D MRI analysis system in epilepsy surgery of a patient with minimal focal cortical dysplasia

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

[IO3-06] Post-operative seizure freedom in MRI negative cingulate epilepsy

Midori Nakajima (Department of Pediatrics, Hokkaido University Hospital)

#### **International Session (Platform Presentation) 4: English Session 4**

Chair: Yoshihiro Maegaki (Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University)

Hiroyuki Yamamoto (Department of Pediatrics, Nagoya University Graduate School of Medicine)

[IO4-01] Body composition and motor function in school-aged children born term with large for gestational age

Yuji Ito (Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan)

[IO4-02] Cat-Ear-Lines and medullary veins during 16-30 weeks of gestation from neuronal migration perspective

Ritsuko K. Pooh (Fetal Brain Center, CRIFM Prenatal Medical Clinic, Osaka, Japan)

[IO4-03] Specific cerebral features of Down's syndrome in mid-gestation by transvaginal 3D neurosonography

Ritsuko K. Pooh (Fetal Brain Center, CRIFM Prenatal Medical Clinic, Osaka, Japan)

[IO4-04] RAINBOWFISH: Primary efficacy and safety in risdiplam-treated infants with presymptomatic spinal muscular atrophy (SMA)

Yuh-Juh Jong (Departments of Pediatrics and Laboratory Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan)

[IO4-05] Disrupted lysosomal dynamics in human skeletal muscle cell model of X-linked myotubular myopathy

Kora Kengo (Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan)

[IO4-06] Motor function characteristics in school-aged survivors of congenital diaphragmatic hernia

Takamasa Mitsumatsu (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

**International Session (Poster Presentation) : English Session**

[IP-01] 16p13.11 microdeletion in a girl with mild intellectual disability and neurodevelopmental disorders

Junko Hotta (Department of Medical Genetics, Osaka Metropolitan University Graduate School of Medicine, Osaka, Japan)

[IP-02] Association of prenatal corticosteroid and beta 2 adrenergic exposure with offspring neurodevelopmental outcomes

Abir Nagata (Department of Dermatology, Graduate School of Medicine, Osaka University, Osaka, Japan)

[IP-03] Can changes in brain function serve as biomarkers to determine criteria for discontinuing ADHD medication?

Koyuru Kurane (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

[IP-04] Successful perioperative preparation of a child with autism in collaboration with his school for special needs education

Yuto Arai (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan)

[IP-05] Risk Factors of Breakthrough Seizures Among Patients with Childhood Epilepsy in a Tertiary Hospital

Ara Monica Ballesteros- Gratuito (Department of Pediatrics, National Children's Hospital, Quezon City, Philippines)

[IP-06] Progress of the project to develop a regional epilepsy care coordination system.

Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

[IP-07] Positive psychological impact of individuals with severe motor and intellectual disabilities toward healthcare workers

Yuto Arai (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University)

[IP-08] Non-epileptic sleep related paroxysmal movement in an infant with hypophosphatasia

Yuki Ueda (Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan)

### **General Oral Presentation 1: Genetics 1**

Chair: Tomohiko Nakata (Department of Pediatrics, Nagoya University Hospital)  
Karin Kojima (Department of Pediatrics, Jichi Medical University)

[O1-01] A 2-year-old boy with Hypomyelination of Early Myelinating Structure manifesting acquired nystagmus

Eriko Hatai (Department of Pediatrics, Kyushu University, Fukuoka, Japan)

[O1-02] A case of Wiedemann-Steiner syndrome with nonspecific developmental delay diagnosed by Next Generation Sequencing

Waka Shimura (Department of Pediatrics, St. Luke's International Hospital, Tokyo, Japan)

[O1-03] A case of Meckel syndrome with a pathogenic deep intronic variant and an exonic LINE-1 insertion in CC2D2A.

Kazuyuki Nakamura (Department of Pediatrics, Yamagata University, Yamagata, Japan)

[O1-04] Examination of motor function after febrile seizures in Schaaf-Yang syndrome model mice

Toshihiko Iwaki (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

[O1-05] Genomic insights into masqueraders of cerebral palsy: a genetic analysis of 91 phenotypically classified cases

Yusuke Takezawa (Department of Pediatrics, Tohoku University, Sendai, Japan)

[O1-06] Implementation of on-demand genetic testing at Kanazawa Medical University Hospital

Yo Niida (Center for Clinical Genomics, Kanazawa Medical University Hospital, Ishikawa, Japan)

### **General Oral Presentation 2: Genetics 2**

Chair: Toshiyuki Yamamoto (Tokyo Women's Medical University)  
Yasunari Sakai (Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University)

[O2-01] A case of Aicardi-Goutieres syndrome with homozygous RNASEH2B variant in intron

Yuri Shibata (Department of Pediatrics, Sano Kosei General Hospital, Sano, Japan)

[O2-02] A girl with ATP1A3 gene-related disorder with acute encephalopathy at age 2 and recurrent ataxia with fever at age 5

Meiri Miyazaki (Matsudo, Chiba, Japan)

[O2-03] A new case of developmental and epileptic encephalopathy with stretched-activated ion channel TMEM63B variant.

Kasumi Sasaki (Department of Pediatrics, Hiroshima City Funairi Citizens Hospital, Hiroshima, Japan)

[O2-04] Sibling cases of AP-4-associated hereditary spastic paraplegia

Michiko Makino (Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)

[O2-05] 2 cases of KCNA1 channelopathy with musculoskeletal abnormalities

Yusuke Aoki (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)

[O2-06] An infant with sodium-dependent multivitamin transporter deficiency of fetal onset

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

### **General Oral Presentation 3: Encephalitis/encephalopathy 1**

Chair: Kenjiro Kikuchi (Division of Neurology, Saitama Children's Medical Center)  
Yuji Ito (Department of Pediatrics, Nagoya University Graduate School of Medicine)

- [O3-01] An infant with FIRES successfully treated with intrathecal dexamethasone therapy  
Yuki Yokota (Department of Pediatrics, Hyogo Prefectural Amagasaki General Medical Center, Amagasaki, Hyogo)
- [O3-02] A case of febrile infection-related epilepsy syndrome successfully treated with ketone diet in acute phase  
Koshiro Fujikawa (Department of Pediatric neurology, Kitakyushu City Yahata Hospital, Fukuoka, Japan)
- [O3-03] A case of febrile infection related epilepsy syndrome (FIRES) treated with perampanel in the acute phase  
Kenta Ochiai (Department of Pediatrics, Tokyo Womens Medical University Yachiyo Medical Center, Chiba, Japan)
- [O3-04] Clinical findings of a case with four recurrences of a reversible splenic lesion  
Mitsuru Kashiwagi (Department of Pediatrics, Hirakata City Hospital, Hirakata, Japan)
- [O3-05] Three cases of epilepsy with hippocampal sclerosis after posterior reversible encephalopathy syndrome  
Nanako Kawata (Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)
- [O3-06] Pathogenesis of acute encephalitis and acute encephalopathy from continuous intracerebral pressure monitoring  
Ichiro Kuki (Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

#### **General Oral Presentation 4: Encephalitis/encephalopathy 2**

- Chair: Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital)  
Tetsuhiro Fukuyama (Department of Pediatrics, Shinshu University School of Medicine)
- [O4-01] Prognosis of epilepsy in cases of group B streptococcal meningitis  
Masataka Fukuoka (Department of Pediatric neurology, Osaka city general hospital, Osaka, Japan)
- [O4-02] The Clinical Study of Late-Onset Group B streptococcus meningitis at our hospital  
Maki Hamamoto (Department of Pediatrics, Takatsuki General Hospital, Takatsuki, Japan)
- [O4-03] Association between early corticosteroid use and outcomes in pediatric bacterial meningitis: retrospective cohort study  
Satoko Kameda (Data Science Center, Jichi Medical University, Shimotsuke, Japan)
- [O4-04] Evaluation of neonates and young infants with using the Film Array meningitis/encephalitis panel in our hospital  
Azusa Oba (Department of Pediatrics, The Jikei University Katsushika Medical Center)
- [O4-05] A review of the clinical significance of HHV-6 positivity in the FilmArray Meningitis/Encephalitis Panel (FA-M/E)  
Kentaro Marutani (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan.)
- [O4-06] A patient with inherited chromosomally integrated HHV-6 treated as the diagnosis of HHV-6 encephalitis  
Fumitaka Kohno (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Ube, Japan)

#### **General Oral Presentation 5: Encephalitis/encephalopathy 3**

- Chair: Gaku Yamanaka (Department of Pediatrics and Adolescent Medicine)  
Hiroko Tada (Division of Pediatrics, Chiba-ken Saiseikai Narashino Hospital)
- [O5-01] Nonconvulsive status epilepticus (NCSE) after febrile status epilepticus in intentional care unit.  
Takehiko Inui (Department of Pediatric Neurology, Miyagi Children Hospital, Miyagi, Japan)

[O5-02] Analysis of neurological risk factors for diarrhea-associated Hemolytic Uremic Syndrome-associated Encephalopathy.

Satoko Fuji (Department of Neurology, National Center for Child Health and Development, Tokyo, Japan)

[O5-03] Uselessness of the current diagnostic criteria for hemorrhagic shock encephalopathy syndrome for early diagnosis.

Tsuyoshi Aihara (Division of Neurology, National Center for Child Health and Development, Tokyo, JAPAN)

[O5-04] Characteristics of acute encephalopathy with acute cerebral fulminant edema

Motomasa Suzuki (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Aichi, Japan)

[O5-05] Analysis of super-refractory status epilepticus in children

Kohei Matsubara (Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

[O5-06] Multicenter prospective registry-based study reveals features of acute encephalopathy

Shoichi Tokumoto (Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

### **General Oral Presentation 6: Cerebral palsy**

Chair: Atsuo Nezu (Department of Paediatric Neurology, Yokohama Medical and Welfare Centre, Konan)  
Koichi Maruyama (Department of Pediatric Neurology, Aichi Developmental Disability Center Central Hospital)

[O6-01] A report of 5 cases treated with Intrathecal Baclofen (ITB) therapy at our hospital

Manaka Matsunaga (Department of Pediatrics, University of Kagoshima, Kagoshima, Japan)

[O6-02] A case of ZC4H2 variant associated spastic paraplegia treated with selective dorsal rhizotomy and rehabilitation

Toshiki Inotani (Department of Rehabilitation and Developmental Support, Miyagi Children's Hospital, Sendai, Japan)

[O6-03] What is the problem with scoliosis?- Initiatives that can change natural history-

Yoko Matsumoto (Tokyo Metropolitan Fuchu Rehabilitation Center, Tokyo, Japan)

[O6-04] Report on the respiratory support team's respiratory care hospital outpatient clinic.

Ryo Tanabe (Department of Child Neurology, Chiba Rehabilitation Center, Chiba, Japan)

[O6-05] Examination of the hospitalization course of severe motor and intellectual disabilities living at home

Yoko Kawasaki (Nikoniko House Kobe Medical and Welfare Center)

[O6-06] Clinical characteristics of children and persons with medical complexity in tottori prefecture over a 15-year period

Michiru Sasaki (Graduate School of Medical Sciences Medicine, Tottori University, Yonago, Japan)

### **General Oral Presentation 7: Involuntary movement, Others**

Chair: Hiroyuki Torisu (Section of Pediatrics, Department of Medicine, Fukuoka Dental College),  
Manami Akasaka (Department of Pediatrics, School of Medicine, Iwate Medical University)

[O7-01] National survey of Segawa Disease ; first report

Michiko Kawai (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

[O7-02] Three-dimensional gait analysis of GTP cyclohydrolase 1-deficient dopa-responsive dystonia

Sho Narahara (Department of Pediatrics, Aichi Prefecture Mikawa Aotiori Medical and Rehabilitation Center for Developmental Disabilities, Okazaki, Japan)

[O7-03] National survey of Segawa Disease second report

Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

- [O7-04] Prediction of outcome by neurological pupil index in post-resuscitation pediatric cases.  
Shohei Kawamoto (Division of Pediatric Critical Care Medicine, Hyogo Prefectural Kobe Children's Hospital, Hyogo, Japan)
- [O7-05] Elucidation of the neurological mechanism of cognitive dysfunction in NF1 using ultra-high field MR spectroscopy  
Saeko Sasaki (Department of Pediatrics, Kyoto University, Kyoto, Japan)
- [O7-06] Advanced Dynamic Statistical Parametric Mapping (AdSPM) using MEG to localize MRI-negative FCD type II  
Yasuyoshi Hiramatsu (Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Japan)

### **General Oral Presentation 8: Development, Neurodevelopmental disorders 1**

- Chair: Shuichi Shimakawa (Department of pediatrics, Osaka Medical and Pharmaceutical University)  
Atsuko Ohno (Toyota Municipal Child Development Center)
- [O8-01] Effects of early intervention program and revised training app for dyscalculia  
Sawako Ooba (Tottori University Hospital, Yonago, Tottori)
- [O8-02] Clinical Characteristics of school-aged children with dyscalculia - Focusing on KABC2 Arithmetic scale and dyslexia  
Keitaro Sueda (Sapporo Child Physical & Mental Health Care Center, Child Psychiatry, Sapporo, Japan)
- [O8-03] Profiles and grouping of children with reading and writing difficulties  
Kazuyori Yagyu (Department of Psychological Sciences, Health Sciences University of Hokkaido, Tobetsu, Hokkaido)
- [O8-04] Our outpatient care for developmental disorder  
Aki Kurihara (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
- [O8-05] Developmental surveys at health checkup for infants in Togane city  
Hideki Uchikawa (Department of Pediatrics, Eastern Chiba Medical Center, Togane, Japan)
- [O8-06] Relation between Eating Breakfast at Age 3 and Academic Achievement in First Grade; An Amagasaki Population-Based Study  
Aoi Kawamura (Department of Pediatrics, University of Kobe, Japan)

### **General Oral Presentation 9: Development, Neurodevelopmental disorders 2**

- Chair: Ayumi Seki (Faculty of Education, Hokkaido University)  
Tamami Yano (Akita Prefectural Center on Development and Disability)
- [O9-01] Pathophysiological significance of novel CEP152 variants in Seckel syndrome  
Koh-ichi Nagata (Department of Molecular Neurobiology, Aichi Developmental Disability Center, Kasugai, Japan)
- [O9-02] Inversed effects of SCN2A deficiency at mPFC and VTA for PPI - Probing neural circuits of autism and schizophrenia  
Kazuhiro Yamakawa (Department of Neurodevelopmental Disorder Genetics, Institute of Brain Sciences, Nagoya City University Graduate School of Medical Sciences)
- [O9-03] Effects of Kurume STP on prefrontal cortex activity and drawing dynamics - Pilot study -  
Akiko Megumi (Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan)
- [O9-04] Current status of intensive end-of-life care in hospitalized patients with cerebral palsy: A population-based study  
Saori Kuratani (Department of Palliative Care, National Center for Child Health and Development, Tokyo, Japan)

[O9-05] Risk Factors of Secondary Disability in Pediatric Brain Tumor Survivors with Neurocognitive Dysfunction

Megumi Nukui (Department of Pediatric Logopedics, Osaka City General Hospital)

[O9-06] Analysis of intestinal microflora and measurement of short-chain fatty acids in 28 participants with EN

Akiko Nagae (Biwakogakuen Kusatsu Medical and Welfare Center for Disabilities, Shiga, Japan)

**General Oral Presentation 10: Development, Neurodevelopmental disorders 3**

Chair: Yukio Sawaishi (Akita Prefectural Center on Development and Disability)  
Yuichi Suzuki (Department of Pediatrics, Fukushima Medical University School of Medicine)

[O10-01] The appropriate age of electroencephalography in children with autism spectrum disorder

Yoshiko Iwatani (Department of Child Development, United Graduate School of Child Development, Osaka University)

[O10-02] Characteristics of ADHD patients receiving drug therapy and current status of drug therapy at our center

Yukihiko Kawasaki (Fukushima Rehabilitation Center for Children, pediatrics)

[O10-03] Factors of methylphenidate termination for attention deficit hyperactivity disorder until middle school graduation.

Hirokazu Yamagishi (Department of Pediatrics, Nasu Institute for Developmental Disabilities, International University of Health and Welfare, Otawara, Japan)

[O10-04] Safety of Lisdexamfetamine mesylate in children with ADHD, compared to Methylphenidate hydrochloride

Takuya Masuda (Department of Pediatrics, Tochigi Rehabilitation Center, Tochigi, Japan)

[O10-05] Investigation of when to end medical intervention based on reading comprehension and syntax in developmental dyslexia

Makio Oka (Division of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

[O10-06] Brain function evaluation using NIRS in elementary school students with developmental dyslexia

Kenji Mori (Department of Child Health & Nursing, Tokushima University Graduate School, Tokushima, Japan)

**General Oral Presentation 11: Epilepsy 1**

Chair: Ayataka Fujimoto (Epilepsy, Functional, and Rare neurological disorder center (E.F.M. center))  
Ryoko Honda (Department of Pediatrics, NHO Nagasaki Medical Center)

[O11-01] Magnetic resonance-guided stereotactic radiofrequency thermocoagulation for patients with previously treated HH

Hiroshi Shirozu (Department of Functional Neurosurgery, NHO Nishiniigata Chuo Hospital, Niigata, Japan)

[O11-02] The utility of epilepsy surgery for tuberous sclerosis

Hiroharu Suzuki (Department of Neurosurgery, Juntendo University, Tokyo, Japan)

[O11-03] Seizure outcome of vagus nerve stimulation in pediatric patients with intractable epilepsy.

Kazuki Nishioka (Department of Neurosurgery, Juntendo University Shizuoka Hospital, Shizuoka, Japan)

[O11-04] Early hemispherectomy contributes to neural development

Yasushi Iimura (Department of neurosurgery, Juntendo University, Tokyo, Japan)

[O11-05] Epilepsy surgery in children has a possibility to change the developmental rate within the first year for the better

Nanako Nishiguchi (Department of Pediatrics, National Nagasaki Medical Center, Nagasaki, Japan)

[O11-06] Cognitive and developmental outcomes after epilepsy surgery in children with focal cortical dysplasia

Yoko Kobayashi-Takahashi (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan)

## **General Oral Presentation 12: Epilepsy 2**

Chair: Hideo Enoki (Department of Pediatrics, Kawasaki Medical School)

Tatsuya Fukasawa (Department of Pediatrics, Anjo Kosei Hospital)

[O12-01] Phase III, multicenter, open-label study of Nasal Diazepam in pediatric patients with or at risk for status epilepticus

Eiji Nakagawa (National Center of Neurology and Psychiatry, Tokyo, Japan)

[O12-02] Efficacy of Levetiracetam in Child and Juvenile Absence Epilepsy

Reiko Koichihara (Department of Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan)

[O12-03] Interaction between clarithromycin and antiseizure medications without notice of interaction in package inserts

Kenji Sugai (Division of Pediatrics, Soleil Kawasaki Medical Center for the Disabled, Kawasaki, Japan)

[O12-04] Etiological Difference of the Vigabatrin Efficacy in Epileptic Spasms

Hirokazu Takeuchi (Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

[O12-05] Adrenocorticotrophic hormone monotherapy for Infantile epileptic spasms syndrome with periventricular leukomalacia

Ryuki Matsuura (Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

[O12-06] Treatment effects and side effects of low volume ACTH therapy without tapering for West syndrome in our hospital

Mika Yamada (Department of Pediatrics, Fukushima Medical University, Fukushima, Japan)

## **General Oral Presentation 13: Metabolic disease, Neurodegenerative disease 1**

Chair: Takashi Hamazaki (Department of Pediatrics, Graduate School of Medicine Osaka Metropolitan University)

Kazuo Kubota (Department of Pediatrics, Gifu University Graduate School of Medicine)

[O13-01] A dietary therapy for Leigh syndrome due to HIBCH gene abnormality, case report

Tomoshiro Ito (Department of Pediatrics, Sapporo city general hospital, Sapporo, Japan)

[O13-02] Siblings of FBXL4-related mitochondrial DNA depletion syndrome, leading to fatal fulminant pneumonia.

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

[O13-03] The CoQ10 level of a patient with biallelic 4-hydroxyphenylpyruvate dioxygenase-like protein (HPDL) variants was low.

Yurika Numata-Uematsu (Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan)

[O13-04] A case of Leigh encephalopathy with ECHS1 gene caused by pathogenic silent variant

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

[O13-05] A boy with NGLY1-associated congenital disorder of deglycosylation showing progressive myoclonus epilepsy

Yuri Sonoda (Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

[O13-06] The key points to differentiate situation-related seizures from epileptic seizures in Glut1 deficiency syndrome

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

#### **General Oral Presentation 14: Metabolic disease, Neurodegenerative disease 2**

Chair: Tokiko Fukuda (Department of Child Health and Development, Hamamatsu University School of Medicine)

Norio Sakai (Center for Promoting Treatment of Intractable Diseases, ISEIKAI International General Hospital)

[O14-01] The current situation of expanded newborn screening for spinal muscular atrophy in Nagano prefecture

Maki Shirai (Division of Neuropediatrics, Nagano Children's Hospital, Azumino, Japan)

[O14-02] Some pit falls in the interpretation of cerebrospinal fluid glycine levels

Hiroki Tsuchiya (Department of Child Neurology, Okayama University Hospital, Okayama, Japan)

[O14-03] Is EEG useful in determining the indication for hematopoietic stem cell transplantation in adrenoleukodystrophy?

Kaori Sassa (Department of Pediatrics, Saitama Medical University Hospital, Saitama, Japan)

[O14-04] Relationship between compound muscle action potential and motor function in infantile-onset SMA in ENDEAR/SHINE studies

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

[O14-05] Efficacy of combination therapy in a patient with SMA type 0 who acquired the ability to walk with the help of a walker

Reiko Arakawa (Department of Genomic Medicine, National Center for Global Health and Medicine, Tokyo, Japan)

[O14-06] Langerhans Cell Histiocytosis-associated Neurodegeneration (LCH-ND): Clinico-Radiological Correlation.

Nobuaki Tsuiki (Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)

#### **General Oral Presentation 15: COVID-19, Others**

Chair: Seigo Korematsu (Department of Pediatrics, Saitama Medical Center, Saitama Medical University)  
Shinichiro Nagamitsu (Department of Pediatrics, Fukuoka University)

[O15-01] Survey of COVID-19-affected neuromuscular disease patients in Japan

Takatoshi Sato (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, JAPAN)

[O15-02] Satisfaction survey of parents of epilepsy patients who used telephone medicine during COVID-19 epidemic

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

[O15-03] COVID-19 infection with persistent viral shedding after steroid pulse therapy and prolonged markedly CK elevation

Saho Yokozeki (Department of Pediatrics, Jichi Medical University of Shimotsuke, Tochigi, Japan)

[O15-04] Health care transition in patients with childhood onset neurological disorders in Japan: A single center study

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

**General Oral Presentation 16: Newborn 1**

Chair: Akihito Takeuchi (Division of Neonatology and Child Neurology, NHO Okayama Medical Center)  
Toru Kato (Department of Pediatrics, Okazaki City Hospital)

[O16-01] Investigation of the effectiveness of the multi-assessor collaboration general movements assessment practicing system.

Tomoki Maeda (Department of Pediatrics, Oita University, Oita, Japan)

[O16-02] Developmental prognosis of extremely preterm infants at 3 and 6 years old.

Yukino Kawanami (Kakogawa, Hyogo, Japan)

[O16-03] Short-term and long-term developmental prognosis of children born in Category 1 caesarean section

Yuka Wada (National Center for Child Health and Development)

[O16-04] Clinical epidemiological characteristics of ADHD children with low birth weight, light-for-dates, and preterm birth

Yukihiko Kawasaki (Fukushima Rehabilitation Center for Children, Pediatrics)

[O16-05] Association of WISC-IV, K-ABC II and DAM with autism spectrum tendencies in children born preterm

Chie Ishikawa (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O16-06] Hemodynamic responses associated with spontaneous neural activity on the electroencephalogram in preterm infants

Anna Shiraki (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

**General Oral Presentation 17: Newborn 2**

Chair: Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)  
Koichi Tanda (Department of Pediatrics, Japanese Red Cross Kyoto Daiichi Hospital)

[O17-01] Frequency and longitudinal changes of brain MRI findings in congenital cytomegalovirus infection

Hajime Narita (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O17-02] Neurocognitive outcomes and their diffusion tensor imaging correlates in children with biliary atresia

Sumire Kumai (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O17-03] Investigation of fetal imaging of the central nervous system in 10 years

Toshiki Takeo (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)

[O17-04] Characteristics of visual cognition in preterm infants and children with neurodevelopmental disorders

Kinya Hidaka (Deguchi Pediatric Clinic for Kids and Family, Nagasaki, Japan)

[O17-05] The gaze characteristics in preterm infants

Soichi Yamase (Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan)

[O17-06] The appropriate timing for preterm children using an eye-tracking tool

Soichi Yamase (Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan)

### **General Oral Presentation 18: Encephalitis/encephalopathy 4**

Chair: Jun-ichi Takanashi(Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center)  
Mitsuru Kashiwagi(Department of Pediatrics, Hirakata City Hospital)

[O18-01] Investigation of changes in the number, type, and severity of pediatric acute encephalopathy with the COVID-19 epidemic.

Hiroyuki Yamamoto (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O18-02] The Temporal Dynamics of Serum GDF-15 in Patients with Acute Encephalopathy: A Study of Changes Pre and Post Therapeutic Interventions

Hiroshi Yamaguchi (Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan)

[O18-03] A study of cerebrospinal fluid biomarkers for central nervous system disorders in febrile status epilepticus

Shizuka Oikawa (Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

[O18-04] A case of acute encephalopathy improved motor function by thyrotropin releasing hormone therapy

Kenichi Torii (Department of Pediatrics, Tokyo dental college Ichikawa general hospital, Chiba, Japan)

[O18-05] A case of acute encephalopathy due to secondary carnitine deficiency

Takuya Aikawa (Department of Pediatrics, Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hospital, Aichi, Japan)

[O18-06] Significance of umbilical cord diagnosis of congenital CMV infection and establishment of a central diagnostic system

Yoshinori Ito (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

### **General Oral Presentation 19: Encephalitis/encephalopathy 5**

Chair: Hiroaki Nagase (Department of Pediatrics, Kobe University Graduate School of Medicine)  
Yutaka Negishi (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)

[O19-01] Dimethyl fumarate treatment in pediatric-onset multiple sclerosis

Ryoji Taira (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)

[O19-02] Pediatric case of encephalomyeloradiculoneuropathy receiving monthly intravenous immunoglobulin for relapse prevention.

Hiroki Izumo (Department of Pediatrics, Hiroshima University, Hiroshima, Japan)

[O19-03] Acute flaccid paralysis and related disorders in 2019-2022

Pin Fee Chong (Kyushu University, Fukuoka, Japan)

[O19-04] Divergent immunoreactivity of human induced microglia-like cells is associated with mitochondrial vulnerability

Kousuke Yonemoto (Department of Pediatrics, Kyushu University, Fukuoka, Japan)

[O19-05] Prognosis of anti-NMDAR encephalitis diagnosed by CSF cell-based assay: contribution of therapeutic complication

Yukitoshi Takahashi (National epilepsy center, NHO, Shizuoka institute of epilepsy and neurological disorders, Shizuoka, Japan)

[O19-06] Severe case of autoimmune GFAP astrocytopathy with a preceding splenic lesion

Satoru Ikemoto (Department of Pediatrics, The Jikei University School of Medicine)

### **General Oral Presentation 20: Encephalitis/encephalopathy 6**

Chair: Ichiro Kuki (Department of Pediatric Neurology, Osaka City General Hospital)  
Shinichiro Morichi (Department of Pediatrics and Adolescent Medicine, Tokyo Medical University)

[O20-01] The Study of the Relationship Between Targeted Temperature Management and Post-Encephalitic Epilepsy in AESD

Madoka Hoshide (Department of Pediatrics Emergency and Community Medicine, Yamaguchi University Graduate School of Medicine, Ube, Japan)

[O20-02] Relationship between time to initial treatment for febrile status epilepticus and post-hospitalization treatment and outcome.

Kento Souma (Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan)

[O20-03] Factors for development of infantile traumatic brain injury with a biphasic clinical course and late reduced diffusion

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

[O20-04] Prospective study: Acute encephalopathy with biphasic seizures and late reduced diffusion in febrile status epilepticus

Fumio Ichinose (NHO Ureshino Medical Center, Ureshino, Japan)

[O20-05] Risk factor analysis of acute encephalopathy with biphasic seizures and late reduced diffusion-related epilepsy.

Makoto Nishioka (Nagano Children's Hospital, Nagano Prefecture, Japan)

[O20-06] The Safety and synergetic effect of remote ischaemic postconditioning to therapeutic hypothermia in patients with AESD

Go Kawano (Department of Pediatrics, St Mary's Hospital)

### **General Oral Presentation 21: Epilepsy 3**

Chair: Katsumi Imai (NHO Shizuoka Institute of Epilepsy and Neurological Disorders)  
Takeshi Suzuki (Department of Pediatrics, Okazaki City Hospital)

[O21-01] Single institutional experience with fenfluramine in combination with stiripentol for Dravet syndrome

Moe Tamaura (Department of Pediatrics, Hiroshima City Funairi Citizens Hospital, Hiroshima, Japan)

[O21-02] Efficacy and safety of fenfluramine hydrochloride in 3 cases with Dravet syndrome

Tsutomu Takahashi (Department of Pediatrics, Saiseikai Utsunomiya Hospital, Tochigi, Japan)

[O21-03] Efficacy of levetiracetam and fosphenytoin as prevention of seizure recurrence in Dravet syndrome

Takuya Ueda (Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan)

[O21-04] Clinical study on cases of electrical encephalopathy with spike-and-wave activation in sleep

Taisuke Yamauchi (Tokyo Medical and Dental University, department of pediatrics)

[O21-05] Long-time follow up of 15 cases of Trisomy18: Clinical features of their epilepsy

Hikaru Tsuda-Kitahara (Department of Pediatrics, Osaka Medical and Pharmaceutical University, Osaka, Japan)

[O21-06] Patients of glucose transporter-1 deficiency syndrome with marked exacerbation in adolescence.

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

## **General Oral Presentation 22: Epilepsy 4**

Chair: Norimichi Higurashi (Department of Pediatrics, Jikei University School of Medicine)  
Shingo Numoto (Department of Child Neurology, Seirei Hamamatsu General Hospital)

[O22-01] Study of epileptic spasm: <1 year, 1-2 years, and older onset than 2 years; comparison between 3 groups

Takeshi Inoue (Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

[O22-02] Analysis of IESS cases due to unilateral porencephaly

Saroshi Mizutani (National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

[O22-03] Examination of lateralizing sign in children with West syndrome with subtle spasms of unilateral blinking

Atsushi Mori (Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Shiga)

[O22-04] Prediction of prognosis in patients with IESS of unknown etiology using pre-treatment EEG with machine learning

Ryosuke Suzui (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O22-05] Longitudinal diffusion tensor tractography analysis for infantile epileptic spasm syndrome of unknown etiology

Fumi Sawamura (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

[O22-06] Appropriate diagnosis of hypothalamic hamartoma

Hiroshi Shirozu (Department of Functional Neurosurgery, NHO Nishiniigata Chuo Hospital, Niigata, Japan)

## **General Oral Presentation 23: Neuromuscular disease 1**

Chair: Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University School of Medicine)  
Eri Takeshita (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

[O23-01] Three-year course of viltolarsen treatment in children with Duchenne muscular dystrophy

Tomoko Lee (Department of Pediatrics, Hyogo Medical University, Nishinomiya, Japan)

[O23-02] Retrospective study of MRI in Duchenne muscular dystrophy treated with viltolarsen

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

[O23-03] Natural History of timed rise from floor in boys with Duchenne muscular dystrophy: a single center retrospective study

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

[O23-04] Effects of exon 53 skipping therapy on cardiac function in Duchenne muscular dystrophy

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

[O23-05] Effect of prednisolone on walking ability in patients with Duchenne muscular dystrophy in relation to ACTN3 genotype

Junjiro Saeki (Kobe University School of Medicine, Kobe, Japan)

[O23-06] EMBARK: A global phase III trial to evaluate safety and efficacy of delandistrogene moxeparvovec (SRP-9001) in DMD

Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)

## **General Oral Presentation 24: Neuromuscular disease 2**

Chair: Takahiro Yonekawa (Department of Pediatrics, Mie University Graduate School of Medicine)  
Ayako Hattori (Department of Pediatrics, Nagoya City University East Medical Center)

[O24-01] Long-term treatment with ASO that stimulates production of myostatin-b increases muscle strength in DMD model mice

Kazuhiro Maeta (Faculty of Rehabilitation, Kobe Gakuin University, Japan)

[O24-02] Investigation of therapeutic intervention by mitochondrial activation in Duchenne muscular dystrophy model rat cells

Itsumi Sato (Department of Pediatrics Hokkaido university, Sapporo Japan)

[O24-03] Novel FcRn antagonist, Nipocalimab clinical development plan for gMG

Sayuri Watanabe (Tokyo, Japan)

[O24-04] The N-terminal Fragment of Urine Titin is Not a Product of degradation by Calpain 3

Yoshinori Nambu (Department of Pediatrics, University of Kobe, Kobe, Japan)

[O24-05] Efficacy of thymectomy for patients with childhood-onset myasthenia gravis.

Ken Nakajima (Department of Pediatrics Neurology, Osaka Women's & Children's Hospital, Izumi city, Osaka, Japan)

[O24-06] Increase in cathepsin K expression in Duchenne muscular dystrophy skeletal muscle

Shigemi Kimura (Department of Pediatrics, Kumamoto Takumadai Rehabilitation Hospital)

## **General Oral Presentation 25: Headache, Autonomic disorders, Sleep disorders**

Chair: Naoki Ando (Josai Kids Clinic)  
Zenichiro Kato (Department of Pediatrics, Graduate School of Medicine, Gifu University)

[O25-01] Off-label use of melatonin preparations for children

Maki Nozaki (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

[O25-02] Efficacy of kampo medicine for delayed orthostatic hypotension

Eiji Kurihara (Department of Child Neurology, Kitahara Life Support Clinic, Tokyo, Japan)

[O25-03] Changes in resting adenylate cyclase activity in childhood orthostatic dysregulation

Nobuyoshi Sugiyama (Department of Pediatrics, JA Kanagawaken Koseiren ISEHARA KYODO Hospital, Kanagawa, Japan)

[O25-04] Headache outpatient clinic in a pediatric tertiary care facility.

Tsukasa Higuchi (Department of General Pediatrics, Nagano Children's Hospital, Nagano, Japan)

[O25-05] A case of alternating hemiplegia of childhood with central venous access port

Mutsumi Sato (Department of Pediatrics, Odawara Municipal Hospital, Odawara, Japan)

[O25-06] Changes in cerebral blood flow over time in a case of sporadic hemiplegic migraine diagnosed as recurrent acute encephalopathy

Akio Ishikawa (Department of Pediatrics, University of Yamagata, Yamagata, Japan)

## **General Oral Presentation 26: Epilepsy 5**

Chair: Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)  
Ikumi Hori (Department of Pediatrics, Aichi Prefectural Welfare Federation of Agricultural Cooperatives Kainan Hospital)

[O26-01] Long-term follow-up course of atypical childhood epilepsy with centrotemporal spikes

Yoshiyuki Kobayashi (Department of Pediatrics, Hiroshima university hospital, Hiroshima, Japan)

[O26-02] Outcome of epilepsy comorbid with attention-deficit/hyperactivity disorder or autism spectrum disorder

Kento Ohta (Division of Child Neurology, Tottori University hospital, Yonago, Tottori, Japan)

[O26-03] Analysis of the chief complaint of infants presenting with concerns about epilepsy.

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

[O26-04] Ambulance-transferred suspected seizures: Non-1st less severe than 1st - Reevaluating Emergency Transport-

Ayataka Fujimoto (Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

[O26-05] Association between seizure frequency and perception of stigma in parents of children with epilepsy

Yoshihiro Miyasato (Department of Pediatrics, Toho University Medical Center Sakura Hospital, Chiba, Japan)

[O26-06] Association between seizure frequency and fatigue in children with epilepsy

Yutaro Tomi (Department of Pediatrics, Toho University Medical Center Sakura Hospital, Chiba, Japan)

### **General Oral Presentation 27: Epilepsy 6**

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

Kazuya Itomi (Department of Pediatrics, Aichi Children's Health and Medical Center)

[O27-01] A case of Tuberous sclerosis complex developed epilepsy in AESD

Tokuyasu Arakawa (Department of Pediatrics, University of Gunma, Gunma, Japan)

[O27-02] Repetitive tonic limb positions associated with spinal cord compression with chondrodysplasia punctata: A case report

Misaki Kato (Saitama Childrens Medical center, Saitama, Japan)

[O27-03] A case of HIRARSAA requiring differentiation from typical absence seizure

Marie Noda (Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan)

[O27-04] A case of holoprosencephaly with refractory epilepsy in which chloral hydrate was effective for transition to home care.

Chizu Oba (Department of Pediatrics, Hirakata City Hospital, Osaka, Japan)

[O27-05] A case of 8-year-old boy who developed cefepime induced encephalopathy in Burkitt's lymphoma.

Mitsuru Ikeno (Department of Pediatrics Juntendo University Faculty of Medicine, Tokyo, Japan)

[O27-06] A case of focal cortical dysplasia with two somatic mutations.

Tomona Yabe (National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

### **General Oral Presentation 28: Encephalitis/encephalopathy 7**

Chair: Tomohide Goto (Department of Neurology, Kanagawa Children's Medical Center)

Masahiro Nishiyama (Department of Neurology, Hyogo Prefectural Kobe Children's Hospital)

[O28-01] First case report of a 13-year-old boy with left internal carotid artery stenosis in myelin oligodendrocyte glycoprotein antibody-associated disease

Eri Hasegawa (Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan)

[O28-02] MOGAD treated with tacrolimus for relapse prevention in a 13-year-old-boy

Yuta Asakura (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

[O28-03] MOG-Ab-associated cerebral cortical encephalitis presenting as super-refractory status epileptics: a case report

Yayoi Shide (Division of Pediatrics, Nara Prefecture General Medical Center, Nara, Japan)

[O28-04] Four Cases of Recurrent Pediatric MOGAD: A Study at Our Affiliated Facility

Shimpei Matsuda (Department of Pediatrics Juntendo University School of Medicine, Tokyo, JAPAN)

[O28-05] Assessment of clinical course in 7 children with anti-MOG antibody-associated disease

Kouhei Ishida (Department of Pediatrics, Sapporo Medical University School of Medicine, Hokkaido, Japan)

[O28-06] Clinical characteristics of 13 children with MOG-IgG associated disorders

Ai Hoshino (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

### **General Oral Presentation 29: Genetics, Congenital anomaly 1**

Chair: Mie Inaba (Department of Pediatrics, Medical Genetics, Aichi Developmental Disability Center Central Hospital)

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

[O29-01] A study on evaluation of visual function in Rett syndrome patients using a gaze analysis device

Yuta Tanaka (Fukuoka/Japan)

[O29-02] A female patient with childhood onset parkinsonism due to a truncating variant in the c terminal of the MECP2 gene

Harumi Saijo (Tokyo Metropolitan Higashiyamato Medical Center for Developmental/Multiple Disabilities, Tokyo, Japan)

[O29-03] Clinical features in male patients of CDKL5-DEE

Mitsuhiro Miyashita (Department of Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan)

[O29-04] A case of Cabezas syndrome with CUL4B variant

Yurika Sakagawa (Department of Pediatrics, Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan)

[O29-05] A case of Protocadherin-19 (PCDH19) related syndrome with Focal cortical dysplasia

Kohei Yamakawa (Department of Pediatric neurology, Osaka City General Hospital, Osaka, Japan)

[O29-06] A case of hemiconvulsion-hemiplegia-epilepsy:HHE with CACNA1A gene mutation

Nakano Goto (Saitama Prefectural Children's Medical Center, Saitama, Japan)

### **General Oral Presentation 30: Genetics, Congenital anomaly 2**

Chair: Shin Nabatame (Department of Pediatrics, Osaka University Graduate School of Medicine)

Tomohiro Chiyonobu (Department of Molecular Diagnostics and Therapeutics, Kyoto Prefectural University of Medicine)

[O30-01] Novel TPRKB gene variants identified in a case with Galloway-Mowat syndrome

Takuya Hiraide (Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan)

[O30-02] Nationwide epidemiological survey on congenital hypomyelinating leukodystrophies (2023)

Kenshiro Tabata (Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

[O30-03] mTOR inhibitor prescription for Tuberous Sclerosis Complex children in Osaka prefecture

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

[O30-04] Craniosynostosis in Molding helmet outpatient clinic

Toshiaki Hayashi (Department of Neurosurgery, Miyagi Children's Hospital)

[O30-05] A 10-year retrospective single centered survey in Chiari malformation type 1

Takeshi Matsushige (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan)

[O30-06] A case of neurofibromatosis type 2 with third ventricular meningioma

Tomohiro Iwasaki (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

**General Oral Presentation 31: Genetics, Congenital anomaly 3**

Chair: Kenji Shimizu (Division of Clinical Genetics and Cytogenetics, Shizuoka Children's Hospital)

Iori Ohmori (Institute of Academia and Research, Okayama University)

[O31-01] Analysis of neuronal phenotypes in MECP2 duplication syndrome model and involvement of miR-199a in the pathophysiology

Yuichi Akaba (Department of Pediatrics, Asahikawa Medical University, Asahikawa, Hokkaido, Japan)

[O31-02] A girl case with L1 syndrome that may have developed due to skewed X inactivation.

Tatsuo Mori (Department of Pediatrics, Graduate School of Biomedical Sciences, Tokushima University, Tokushima, Japan)

[O31-03] A case of ATR-16 syndrome with intellectual disability presenting sudden onset of cognitive decline in adulthood

Tadahiro Mitani (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

[O31-04] Awareness survey regarding genetic testing for cases of developmental delay/intellectual disability

Tetsuya Okazaki (Division of Clinical genetics, Tottori University Hospital, Yonago, Japan)

[O31-05] An 11-year-old girl with 18 trisomy playing games and drawing with an eye tracker

Masaya Kubota (Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan)

[O31-06] Sotos syndrome requiring differentiation from Beckwith-Wiedemann syndrome

Hiroaki Ono (Department of Pediatrics, Hiroshima City North Medical Center Asa Citizens Hospital, Hiroshima, Japan)

**General Oral Presentation 32: Neuromuscular disease 3**

Chair: Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry)

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

[O32-01] SUNFISH: 48-months efficacy and safety of risdiplam in types 2 and 3 spinal muscular atrophy

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

[O32-02] FIREFISH: 48-months efficacy and safety of risdiplam in type 1 spinal muscular atrophy

Yasuhiro Takedhima (Department of Pediatrics, Hyogo College of Medicine, Japan)

[O32-03] Four cases of spinal muscular atrophy treated with gene replacement therapy

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

[O32-04] The choice and efficacy of treatment for six patients with spinal muscular atrophy

Kazuo Kubota (Gifu University Graduate School of Medicine, Gifu, Japan)

[O32-05] Effect of nusinersen on spinal muscular atrophy type 3 - using the Bioelectrical Impedance Analysis method

Tomoyo Yamashita (Department of Pediatrics, Osaka Metropolitan University Graduate School of Medicine, Osaka, Japan)

[O32-06] Complications of congenital myotonic dystrophy patients from a nationwide myotonic dystrophy registry

Minobu Shichiji (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

**General Oral Presentation 33: Neuromuscular disease 4**

Chair: Yasuhiro Takeshima (Department of Pediatrics, Hyogo Medical University School of Medicine)  
Aya Narita (Department of Child Neurology, Tottori University Hospital)

[O33-01] Study of upper limb function using Bioelectrical impedance analysis in Fukuyama congenital muscular dystrophy

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

[O33-02] Analysis of Holter electrocardiographic findings in Fukuyama congenital muscular dystrophy

Ryo Sugiyama (Tokyo, Japan)

[O33-03] Prognostic diagnosis by electroneurography in children with peripheral facial palsy

Tae Ikeda (Department of Pediatric Neurology, Kitakyushu City Yahata Hospital, Fukuoka, Japan)

[O33-04] Questionnaire survey on disease notification among patients with Duchenne muscular dystrophy and their parents

Mariko Yagi (Department of Childhood Development and Education, Faculty of Human Sciences, Konan Women's University, Kobe, Japan)

[O33-05] A case of Surfer's myelopathy with a suspected venous perfusion defect as the pathogenesis

Tsuyoshi Matsuoka (Division of Child Neurology and Child Psychiatry, Okinawa Prefectural Nanbu Medical Center and Children's Medical Center, Haeburu, Japan)

[O33-06] A case of Brody disease with running disorder

Ko Hirata (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

**General Oral Presentation 34: Neurosurgery**

Chair: Masahiro Nonaka (Department of Neurosurgery, Kansai Medical University)  
Satoshi Ihara (Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center)

[O34-01] A study of 119 cases of moyamoya disease complicated by intracranial calcification

Saeko Irie (National Center for Child Health and Development, Tokyo, Japan)

[O34-02] A case of near drowning presumed to be caused by reversible cerebral vasoconstriction syndrome induced by bathing

Saki Otao (Department of Neuropediatrics, Nagano Children's Hospital, Nagano, Japan)

[O34-03] Frequency of acute symptomatic seizures and epilepsy in childhood-onset arterial ischemic stroke

Ishioka Risako (Department of pediatric linguistics, Osaka city general hospital, Osaka, Japan)

[O34-04] Three cases of children with paroxysmal sympathetic hyperactivity after acquired brain injury

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

[O34-05] The long-term prognosis and explanation of injury mechanism of abusive head trauma cases at our center

Koji Tanoue (Department of General Medicine, Kanagawa Children's Medical Center, Yokohama, Japan)

**General Poster Presentation 1: Genetics, Congenital anomaly**

- [P1-001] Development of informed assent support materials for whole genome analysis research: Monokuro-genome  
Tomoko Kobayashi (Tohoku Medical Megabank Organization, Tohoku University, Sendai, Japan)
- [P1-002] Experiences of advance care planning in a case of severe infantile systemic hyalinosis  
Kazuya Itomi (Department of Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- [P1-003] Search for novel biomarkers by high-depth proteome analysis in Rett syndrome.  
Sho Hagiwara (Department of Pediatrics, University of Chiba, Chiba, Japan)
- [P1-004] Examination of 5 cases of infantile-onset convulsions in which genetic mutations were found  
Satomi Ohtaki (Department of Pediatrics, Saitama Medical University Hospital, Saitama, Japan)
- [P1-005] Malan syndrome developed with contracture of proximal joints  
Shunsuke Nomura (Toyama Japan)
- [P1-006] Four cases of congenital ataxia due to CACNA1A mutation and associated acute encephalopathy-like episodes  
Aritomo Kawashima (Pediatric Neurology, Miyagi Children's Hospital, Sendai, Miyagi, Japan)
- [P1-007] A boy with SCN8A mutation presenting with congenital nephrotic syndrome and progressive brain calcification.  
Yoshiyuki Hanaoka (Department of Pediatrics, Kurashiki Central Hospital, Okayama, Japan)
- [P1-008] Establishment of management guidelines based on the natural history of Schaaf-Yang syndrome  
Yutaka Negishi (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)
- [P1-009] Structural analysis for DUP-TRP/INV-DUP in a patient with PLP1 triplication  
Rina Shimomura (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- [P1-010] A case of developmental delay and dilated perivascular space with de novo mutations in OCD1 and GRIN2B gene.  
Taiju Hayashi (Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan)
- [P1-011] A case of Skraban-Deardorff syndrome with WDR26 mutation  
Tatsuya Yamamoto (Department of Pediatrics, University of Hirosaki, Hirosaki, Japan)
- [P1-012] ATP1A3-related disorders with relapsing encephalopathy with cerebellar ataxia and hypotonia triggered by fever.  
Rei Urushibata (Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan)
- [P1-013] A 19-year-old patient diagnosed as pseudo-TORCH syndrome was revealed to have schizencephaly caused by a COL4A1 variant.  
Wataru Anzai (Department of Pediatrics, Showa University, Tokyo, Japan)
- [P1-014] A case of Megalencephaly capillary malformation syndrome (MCAP) diagnosed by genetic analysis using a skin tissue  
Tatsuharu Sato (The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)
- [P1-015] A case of Cornelia de Lange Syndrome with gene mutation of Osler-Weber-Rendu disease  
Toshihiro Jogamoto (Department of Pediatrics, Ehime University Graduate School of Medicine, Ehime, Japan)
- [P1-016] A case of chronic progressive external ophthalmoplegia syndrome with ptosis during growth hormone replacement therapy  
Hideyuki Iwayama (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

- [P1-017] The study of changes in disease status and plasmalogens in children with adrenoleukodystrophy  
Daisuke Yamashita (The Department of Pediatrics and Child Health Kurume University School of Medicine)
- [P1-018] A Case Of Early-Onset Neurodegenerative Encephalopathy Associated With Mutations In Tubulin Folding Co-factor D  
Koichi Tanda (Department of Pediatrics, Japanese Red Cross Kyoto Daiichi Hospital)
- [P1-019] A case of Tay-Sachs disease treated by laryngotracheal separation and gastrostomy as one-stage operation.  
Daisuke Uda (Department of Pediatrics, Fukuchiyama City Hospital)
- [P1-020] A case of Menkes' disease with massive thrombosis in internal jugular phlebectasia  
Kohei Nagai (Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan)
- [P1-021] A case of SCA8 diagnosed from mild cerebellar ataxia and atrophy of the cerebellar hemispheres  
Chihiro Saito (Department of Pediatrics, Chiba University Hospital, Chiba, Japan)
- [P1-022] A case of Xia Gibbs syndrome carrying a de novo microdeletion of 1p36 diagnosed by trio based whole-exome sequencing  
Kohei Haraguchi (Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)
- [P1-023] A patient of SMID with childhood neurodegeneration associated with heterozygous de novo UBTF variant.  
Yumi Okoshi (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
- [P1-024] A case of H3F3A-related neurodevelopmental disorder presenting myoclonus during neonatal period  
Moemi Hojo (Department of Child Neurology, NHO Nishiniigata Chuo Hospital, Niigata, Japan)
- [P1-025] A male case of Temple syndrome diagnosed at two months of age due to feeding difficulties and generalized hypotonia  
Akinori Yoshino (Department of Pediatrics, Shizuoka Saiseikai General Hospital, Shizuoka, Japan)
- [P1-026] A case presenting lower motor neuron dysfunction caused by SNAPC4 variants.  
Sakurako Yamamoto (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Fuchu, Japan)
- [P1-027] A case of autism, mild intellectual disability, and spastic paraplegia with variants in the SACS and MED13L  
Yosuke Hosokawa (Department of Pediatric neurology, Aichi Developmental Disability Center, Kasugai, Japan)
- [P1-028] Dystonia in Angelman syndrome: a single-center study  
Satomi Okano (Department of Pediatrics, Sapporo Tokushukai Hospital, Sapporo, Japan)
- [P1-029] Japanese nationwide survey of plexiform neurofibroma in neurofibromatosis type 1  
Masafumi Sanefuji (Department of Pediatrics, Faculty of Medicine, Saga University)
- [P1-030] A case of neurofibromatosis type 1 (NF1) complicated by subcutaneous sarcoidosis  
Tomofumi Otomo (Department of Pediatrics, University of Tokai, Hachioji, Japan)
- [P1-031] A patient of tuberous sclerosis with ileocecal adenocarcinoma  
Wakana Furushima (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
- [P1-032] Three cases of linear nevus sebaceous syndrome with KRAS somatic variants  
Kei Yamada (Department of Child Neurology, National Hospital Organization Nishiniigata Chuo Hospital, Niigata, Japan)

- [P1-033] A case of Prader-Willi syndrome with accelerated development in infancy by Coenzyme Q10  
Konomi Shimoda (Department of Pediatrics, University of Tokyo, Tokyo, Japan)
- [P1-034] Case of Sjogren-Larsson Syndrome with Diagnostic Challenges in Siblings  
Naoko Shiba (Department of Pediatrics, Shinshu University, Matsumoto, Japan)
- [P1-035] A case of Hyperekplexia with startle response caused by oral vaccination  
Yukie Yasunaga (Department of Pediatrics, Kokura Medical Center, Fukuoka, Japan)
- [P1-036] In Akita Prefecture, the birth rate with Down syndrome has doubled in 20 years.  
Yukio Sawaishi (Akita Prefectural Center on development and disability)
- [P1-037] A long survival case of trisomy 13  
Michi Takahashi (Department of Pediatrics, Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan)
- [P1-038] A 8-year-old girl with low-level mosaic trisomy 8 suspected by whole genome sequencing and confirmed by FISH.  
Tomomi Nakamura (Department of Pediatrics, Mie University Hospital, Mie, Japan)
- [P1-039] A case of MECP2 duplication syndrome diagnosed by array CGH and required genetic counseling.  
Naoya Higuchi (Department of Pediatrics, University of Saga, Saga, Japan)
- [P1-040] A case of precocious puberty in a male child with MECP2 duplication syndrome  
Kaori Miyana (Department of Pediatrics, Japanese red cross medical center, Tokyo, Japan)
- [P1-041] A case of autism spectrum disorder and intellectual disability with duplication including MBD5 -by microarray analysis  
Ikushi Shimomura (Department of Pediatrics, University of Kagoshima, Kagoshima city, Japan)
- [P1-042] A case of 16p13.11 microdeletion syndrome with microcephaly, intellectual disability and autistic spectrum disorder  
Yusei Baba (Department of Pediatrics, National Hospital Organization Minamikyushu hospital, Kagoshima, Japan)
- [P1-043] A case of Xp22.2 duplication with a phenotype similar to Basilicata-Akhtar syndrome  
Yasuhiro Kimoto (The Department of Pediatrics, School of Medicine, University of Miyazaki, Miyazaki, Japan)
- [P1-044] RP58/ZBTB18 haploinsufficiency in mice: Elucidation of pathophysiology and gene therapy for neurodevelopmental disorders  
Hiroko Shimbo (Brain Metabolic Regulation Group, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

## **General Poster Presentation 2: Autonomic disorders, Headache**

- [P2-045] Clinical characteristics of six cases of infantile episodic limb pain with genetic testing  
Junji Azuma (Department of Pediatrics, Minoh City hospital, Osaka, Japan)
- [P2-046] A case of Harlequin syndrome associated with ipsilateral mediastinum neuroblastoma.  
Takao Morimune (Department of Pediatrics, Shiga University of Medical Science, Japan)
- [P2-047] Study on the effects and side effects of sumatriptan in the treatment of migraine in children  
Omata Yuko (Department of Pediatrics, Seikeikai Chiba Medical Center, Chiba, Japan)

### **General Poster Presentation 3**

#### Development, Neurodevelopmental disorders

[P3-048] Exploring challenges in conducting spontaneous movements assessment during group 4-month Check-ups

Osamu Kobayashi (Department of Pediatrics, Oita University, Oita, Japan)

[P3-049] The neurodevelopmental courses and disorders at the school age in the very low birth weight infants.

Akiko Takeshita (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

[P3-050] Six cases of avoidant/restrictive food intake disorder in infancy and early children

Hideko Nakajima (Department of Pediatrics, Inariyama Medical Welfare Center, Chikuma city, Japan)

[P3-051] A study of asymptomatic anisocoria detected at infant health examinations in the era of Spot Vision Screener(R).

Itaru Hayakawa (Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)

[P3-052] A study on the onset of independent walking in children with Down syndrome in our hospital

Tomoko Sakamoto (Akita Prefectural Center on Development and Disability, Akita, Japan)

[P3-053] Information exchange meeting on college enrollment of patients with medical care

Eisuke Terasaki (Department of Pediatrics, Shiga Medical Center for Children, Moriama, Shiga)

[P3-054] School nurse training courses of tracheostomy tube insertion in case of accidental tube removal in schools

Eiji Kitazumi (National Rehabilitation Center for Children with Disabilities, Tokyo, Japan)

[P3-055] 11 Autism Cases Enrolled in Group Homes or Care Facilities: Background and Factors influencing Family Decision-making.

Keiho Owada (Department of Child Psychiatry, Jonan Branch, Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled, Tokyo, Japan)

[P3-056] Parent-Child Interaction Therapy (PCIT) for neurodevelopmental disorders in an outpatient clinic at our center

Mika Matsui (Kumamoto Rehabilitation Center for Handicapped Children)

[P3-057] Differences in parents/teachers perceptions and objective indicators of children with autism spectrum disorder

Manami Honda (Micri Kids Clinic, Tokyo, Japan)

[P3-058] Report on a training session for supporters held to build a community-centered development support system

Takuya Kosaka (Department of Pediatrics, University of Fukui, Fukui, Japan)

[P3-059] Association between media use and sleep habits/child social development

Ryo Takayanagi (Department of Child Development, United Graduate School of Child Development, Osaka University, Osaka, Japan)

[P3-060] A Rehabilitation Approach for Children with Autism Spectrum Disorders Accompanied by selective mutism

Daishi Inoue (Nagasaki Prefectural Center of the Handicapped Children, Nagasaki, Japan)

[P3-061] Current status and issues of the adulthood shift support in children with neurodevelopmental disabilities

Ota Hideki (Nishinomiya children's support center, Nishinomiya, Japan)

[P3-062] Frequency and Mental Health Condition of Students with Developmental Disabilities in Japanese University Students.

Miho Adachi (Department of Pediatrics, Gifu University Hospital, Gifu, Japan)

[P3-063] Support for early stage of infancy with developmental disorder in Toyonaka city -The third report-

Lisa Uno (Department of Pediatrics, Support Center for Children with Developmental Disabilities, Toyonaka, Japan)

[P3-064] Doctors' views on after-school day care services:Preliminary survey on the state of after-school day services

Naohide Shiorma (Neruodevelopmental Clinic Prop)

[P3-065] The score of KABC-II and LCSA in the patients with reading comprehension disorder without reading disorder

Yuki Iai (Osaka Medical and Pharmaceutical University Hospital Pediatrics,Takatuki,Japan)

[P3-066] Pathophysiological analysis of cases with reading comprehension disorder without reading disorder

Yuki Iai (Hospital of Osaka Medical and Pharmaceutical University,Takatsuki,Japan)

[P3-067] The first report of our outpatient care for dyslexia

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

[P3-068] An infant case whose eating disorder improved dramatically by separating the mother and child from the father

Tamami Yano (Akita Prefectural Center on Development and Disability, Akita, Japan)

[P3-069] Maternal diet restriction causes anxiety in adolescent offspring through cerebral dysgenesis

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

[P3-070] An exploratory study of rates of Cognitive Disengagement Syndrome and associated factors in a pediatric developmental outpatient setting.

Yota Nakashima (Department of Child Development, United Graduate School of Child Development, Osaka University, Suita, Japan.)

[P3-071] 3 cases where the behavior after the evening improved due to the change from MPH+ATX to LDX alone

Mio Yamashita (Nagasaki, JAPAN)

[P3-072] A study of 58 cases presenting with symptoms of selective mutism

Ikuko Shirai (Department of Neuropediatrics, Shimada Ryoiku Medical Center Hachioji for Challenged Children, Tokyo, Japan)

[P3-073] Four cases of ASD/ADHD whose PARS-TR scores decreased during ADHD drug treatment

Takako Matsumoto (Ashiya Municipal Hospital, Ashiya, Japan)

[P3-074] 47 cases of young children who were first examined at our clinic with suspected neurodevelopmental disorders

Masayoshi Suzuki (Department of Pediatrics, Soma General Hospital, Soma, Fukushima, Japan)

[P3-075] Establishment of childhood neurodevelopmental disorder care system while considering local circumstances.

Kozue Mori (Department of Pediatrics, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan)

[P3-076] Health literacy about neurodevelopmental disorders in local population

Aya Itoyama (Department of Pediatrics, University of Yamanashi, Yamanashi, Japan)

[P3-077] Consideration regarding notification of diagnosis to patients with neurodevelopmental disorders

Nao Suzuki (Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan)

[P3-078] Effects of bias in sensory processing on developmental characteristics and speech with neurodevelopmental disorders.

Toshino Motojima (Department of Pediatrics, Motojima General Hospital, Gunma, Japan)

[P3-079] Factors Leading to Prolonged Waiting Periods for First Visits of Children with Developmental Disorders in the Gifu Area

Hiroki Kawai (Kibogaoka Medical and Support Center for Children, Gifu, Japan)

[P3-080] Medical consultation for children with language comprehension index 130 or higher on the WISC-IV

Hiroshi Katsumori (Department of Pediatrics, Kawakita General Hospital, Tokyo, Japan)

[P3-081] Establish support system for people with eating disorder: Systematic Review and Survey of Self-help Groups

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

[P3-082] Our current issues of medical transition from pediatric to adult-oriented health care

Kohei Goto (Department of pediatrics and Child Health, Kurume University School of Medicine)

[P3-083] A patient who was transited to adult division in a ward of Tokyo

Noboru Yoshida (Juntendo University Nerima Hospital)

[P3-084] Respite services for caregivers of children with disabilities in Shonai district, Yamagata prefecture.

Toshiyuki Shinozaki (Nihonkai General Hospital, Yamagata, Japan)

[P3-085] A study of pneumatosis intestinalis in patients on home mechanical ventilation

Shohei Eto (Shiga Medical Center for Children, Shiga, Japan)

[P3-086] A Study of Cardiopulmonary Arrest in patients with Sever Motor and Intellectual Disabilities

Kotoko Suzuki (Department of Pediatrics, Tokyo Metropolitan North Rehabilitation and Medical Center, Tokyo, Japan)

#### **General Poster Presentation 4: Newborn, Perinatal**

[P4-087] Maternal immune activation causes neocortical dysgenesis by dysregulated cell cycle kinetics of neural stem cells.

Takayuki Mitsuhashi (Department of Pediatrics, Keio University, Tokyo, Japan)

[P4-088] Relationship between physical growth and neurodevelopmental prognosis of low birth weight infants

Reina Ogata (Kitakyushu, Japan)

[P4-089] Effects of early developmental intervention programs for preterm infants

Akihito Takahashi (Department of Pediatrics, Kurashiki Central Hospital, Okayama, Japan)

[P4-090] The correlation between neonatal course and developmental outcomes at school age in five cases of 22-week preterm baby

Yumekichi Maeda (Department of Pediatrics, University of Fukui, Fukui, Japan)

[P4-091] The cut-off values of trans systolic time for predicting effective cerebral perfusion pressure in neonates

Masashi Zuiki (Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan)

[P4-092] Diagnosis and treatment for infants suspected of neonatal seizures.

Yuichi Tateishi (Department of Pediatrics, Hiroshima University, Hiroshima, Japan)

[P4-093] Two neonates with abstinence syndrome due to prenatal escitalopram exposure

Hideomi Shigeta (Department of Pediatrics, University of Occupational and Environmental Health, Kitakyushu, Japan)

[P40-94] A case of neonatal epilepsy with good seizure control with Lidocaine and Lacosamide

Shiori Moriyama (Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

### **General Poster Presentation 5: Acute encephalitis/encephalopathy**

[P5-095] A one-year-old boy diagnosed with acute disseminated encephalomyelitis who suspected ataxia related to diazepam

Syouto Takemoto (Department of Pediatrics, Saiseikai Sendai Hospital, Kagoshima, Japan)

[P5-096] Recurrent inflammatory demyelinating disease of the central nervous system in a 15-year-old girl with ulcerative colitis

Wataru Jinnai (Department of Pediatrics, University of Kagawa, Kagawa, Japan)

[P5-097] A case of gait disturbance diagnosed with rheumatic fever

Tomoya Hamada (Department of Pediatrics, Hata Kenmin Hospital, Kochi, Japan)

[P5-098] A case of chronic cerebellar ataxia with therapy of TRH and intravenous immunoglobulin therapy

Atsuko Oba (Department of Pediatrics, The Jikei University Kashiwa Hospital, Chiba, Japan)

[P5-099] Establishment of brain organoid as a disease model of subacute sclerosing panencephalitis

Fumihiko Fujii (Department of Pediatrics, Kyushu University, Fukuoka, Japan)

[P5-100] Different clinical phenotype in two cases of MOGAD

Misaki Matsumura (Department of Pediatrics, Seirei-Mikatahara General Hospital, Shizuoka, Japan)

[P5-101] A 7-year-old girl with recurrent painful ophthalmoplegic neuropathy with a positive MOG antibody at onset

Satoshi Akamine (Department of Pediatric Neurology, Fukuoka children's hospital, Japan)

[P5-102] Anti myelin oligodendrocyte glycoprotein antibody positive cases vs negative cases in acute disseminated encephalopathy

Taro Kitamura (Division of Pediatrics, Sendai City Hospital, Sendai, Japan)

[P5-103] A case of anti-NMDA receptor encephalitis during follow-up after treatment of MOG antibody-associated disease

Maki Nodera (Department of Pediatrics, Fukushima Medical University, Fukushima, Japan)

[P5-104] A case of MOGAD difficult to distinguish from HHV-6 encephalitis

Yuta Baba (Karatsu red cross hospital, karatsu, saga, japan)

[P5-105] A case of anti-myelin oligodendrocyte glycoprotein (MOG) antibody-associated disease presenting with acute urinary retention.

Keiko Masuda (Oita Prefectural Hospital, Oita, Japan)

[P5-106] A case of recurrent of MOG antibody-associated disease with a history of spinal fusion for scoliosis.

Yuko Tsuda (Department of Pediatrics, Wakayama Medical University, Wakayama, Japan)

[P5-107] A case of MOG antibody-related disease with severe myelitis

Yuji Ueno (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan.)

- [P5-108] Progress of four patients with MOG-antibody associated disease  
Hiroshi Matsumoto (Department of Pediatrics, National Defense Medical College, Tokorozawa, Japan)
- [P5-109] Two cases of brain abscess that were difficult to diagnose.  
Takuzo Marukane (Department of Pediatrics, Kochi Medical School, Kochi, Japan)
- [P5-110] A case of subdural empyema with a reversible splenial lesion  
Takahiro Hayashi (Department of Pediatrics, Kurashiki Central Hospital, Okayama, Japan)
- [P5-111] Two cases of EV-D68 acute flaccid myelitis received IVIG in the acute phase and nerve transfer in the chronic phase.  
Hidetoshi Ishigaki (Department of Pediatrics Hamamatsu University School of Medicine, Shizuoka, Japan)
- [P5-112] Neurological outcome of acute flaccid myelitis  
Yuko Ichimiya (Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan)
- [P5-113] Two mild cases with no neurological symptoms in whom human parechovirus was detected in cerebrospinal fluid.  
Tatsuya Suito (Department of Pediatrics, Showa University School of Medicine, Shinagawa, Japan)
- [P5-114] Cerebral blood flow and spinal fluid cytokine findings in three cases with functional neurological symptom disorders  
Tsukasa Tanaka (Department of Pediatrics, Hyogo Prefectural Harima-Himeji General Medical Center, Himeji, Japan)
- [P5-115] Pediatric case of autoimmune-mediated encephalitis treated with Rituximab without plasma exchange  
Tatsuhiro Ishikawa (Department of Pediatrics, Kakogawa central municipal hospital, Hyogo, Japan)
- [P5-116] A case of early childhood onset multiple sclerosis treated with dimethyl fumarate  
Tatsuya Takahashi (Department of neurology, National Center for Child Health and Development, Tokyo, Japan)
- [P5-117] Developmental outcomes in children with congenital cytomegalovirus infection  
Yu Kakimoto (Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan)
- [P5-118] Stimulation of TLR3/7 exacerbates seizure in pilocarpine-induced status epilepticus model mice  
Takayuki Mori (Tokyo Metropolitan Institute of Medical Science Department of Brain and Neurosciences, Tokyo, Japan)
- [P5-119] Cerebrospinal fluid levels of macrophage migration inhibitory factor in patients with acute encephalitis or meningitis  
Masaru Nasuno (Division of Neuropediatrics, Nagano Children's Hospital, Azumino, Japan)
- [P5-120] Hemorrhagic shock and encephalopathy syndrome occurred in a child with dual molecular diagnoses  
Haruna Yoshikawa (Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)
- [P5-121] Differentiation from AESD using machine learning and power spectrum map in acute phase  
Masayoshi Oguri (Department of Medical Technology, Kagawa Prefectural University of Health Sciences, Japan)
- [P5-122] AESD due to COVID-19 shifting seizure focus laterality accompanied by characteristic blood flow signal changes on MRI  
Ryo Sugitate (Department of Pediatrics, Japanese Red Cross Maebashi Hospital, Gunma, Japan)
- [P5-123] Thyrotropin-releasing hormone therapy for acute encephalopathy with biphasic seizures and late reduced diffusion  
Yuki Minamisawa (Children's Medical Center, Yokohama City University Medical Center, Yokohama, Japan)

- [P5-124] Efficacy of a mitochondrial drug cocktail in preventing AESD and plan to further study.  
Taku Omata (Department of Pediatrics, Tokyo Womens Medical University Yachiyo Medical Center, Yachiyo, Japan)
- [P5-125] Clinical study of 20 cases of acute encephalopathy with biphasic seizures and late reduced diffusion  
Chiho Tokorodani (Department of Pediatrics, Kochi Health Sciences Center, Kochi, Japan)
- [P5-126] Acute encephalopathy in Dravet syndrome without convulsive status epilepticus.  
Shiori Hamada (Department of Pediatrics, Obihiro Hospital, Hokkaido, Japan)
- [P5-127] Complete enumeration of long-term outcomes of status epilepticus in Tottori prefecture, Japan  
Tatsuya Kawaguchi (Department of Child Neurology, Tottori University Hospital, Tottori, Japan)
- [P5-128] Two cases of acute encephalopathy with COVID-19 infection  
Yuko Moriuchi (Department of Pediatrics, IMS Fujimi General Hospital, Fujimi, Japan)
- [P5-129] A case of a boy with MERS complicated by acute appendicitis.  
Norihiro Tokuma (Department of Pediatrics, Tokyo Metropolitan Toshima hospital, Tokyo, Japan)

#### **General Poster Presentation 6: Neurophysiology**

- [P6-130] Usefulness of amplitude-integrated EEG used in pediatric emergencies  
Tamayo Ishikawa (Omihachiman Community Medical Center)
- [P6-131] Usefulness of aEEG for patients with severe motor and intellectual disabilities  
Yukimi Oyoshi (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
- [P6-132] Prevention of skin disorders during long-term video electroencephalogram monitoring tests in pediatric patients  
Kaoru Moriyama (Department of Pediatrics, Nagasaki welfare center, Nagasaki, Japan)
- [P6-133] Vagus nerve stimulation alters respiratory rate during sleep  
Takafumi Sakakibara (Department of Pediatrics, Nara Medical University, Kashihara, Japan)

#### **General Poster Presentation 7: Cerebral palsy**

- [P7-134] Three cases of children with SMID treated by gabapentin for paroxysmal sympathetic hyperactivity  
Go Yoshino (Department of neuropaediatrics, university of Tottori, Tottori, Japan)
- [P7-135] Intratracheal baclofen therapy with pulsatile bolus infusion in three cases  
Mako Wada (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- [P7-136] Successful transition to home care with intrathecal baclofen for severe spasticity in a 19-year-old patient following 7 months of inpatient treatment  
Eru Kozuki (Nikoniko-House, Kobe-City, Japan)
- [P7-137] Survey on transitional medical care for young adults with severe intellectual and motor disabilities to our institution  
Koichi Maruyama (Department of Pediatric Neurology, Aichi Developmental Disability Center Central Hospital, Kasugai, Japan)
- [P7-138] Cooperation with home care clinics for children receiving home medical care.  
Teruhiko Suzuki (Department of Pediatrics, Hamamatsu City Welfare and Medical Center for Development, Hamamatsu, Japan)

[P7-139] Life style and social involvement in adulthood cerebral palsy

Miyuki Toyono (Akita Prefectural Center on Development and Disability)

[P7-140] Annual trends in surgical cases for the adaptation to medical care in our hospital

Ken Takada (Department of Pediatrics, Yamanashi prefectural central hospital, Yamanashi, Japan)

[P7-141] A case of ring chromosome 6 whose condition worsened after aspiration pneumonia and was diagnosed ML by autopsy.

Mio Nishimura (Kobe Medical Welfare Center Nikoniko House)

[P7-142] Scoliosis and the related factors in our facility

Masako Isaka (Supporhouse Cocorone Sumiyoshi, Kobe city, Japan)

[P7-143] Evaluation of Videofluoroscopy study in patients of severe motor and intellectual disabilities in outpatient

Yukiko Nakamura (Shimada Ryoiku Medical Center for Challenged Children, Tokyo, Japan)

[P7-144] Long-term complications after gastrostomy in patients with severe mental and physical disabilities

Chiho Hirose (Department of Pediatrics, Fukushima, National Hospital, Fukushima, Japan)

[P7-145] Three cases of patients with severe motor and intellectual disabilities who required laryngotracheal separation after COVID-19 infection

Risa Kawaguchi (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

[P7-146] Successful medical treatment of patients with a Superior mesenteric artery syndrome

Masato Kusumoto (Shiga Medical Center for Children, Shiga, Japan)

[P7-147] Retrospective review of the clinical features of 4 patients who underwent selective dorsal rhizotomy.

Ushio Ohtaki (Department of Neonatal Health and Development, Aomori Prefectural Central Hospital, Aomori, Japan)

### **General Poster Presentation 8: Epilepsy**

[P8-001] A case of Dravet syndrome with microdeletion determined by MPLA analysis

Eri Sakamoto (Department of Pediatrics, University of Juntendo, Tokyo, Japan)

[P8-002] Two patients diagnosed with Dravet syndrome in their adulthood

Hiroshi Terashima (Department of Pediatrics, the University of Tokyo, Tokyo, Japan)

[P8-003] Lacosamide suppressed neonatal seizures in a case of Molybdenum cofactor deficiency

Haruka Takami (Department of Pediatrics, the Jikei University School of Medicine, Tokyo, Japan)

[P8-004] An infant case of infantile epileptic spasm syndrome with MED13 mutation

Yuzuka Miyoshi (Department of Pediatrics, Osaka Metropolitan University, Osaka, Japan)

[P8-005] A case of ADSL deficiency with infantile epileptic spasms syndrome

Tomoi Furukawa (Medical Research Institute KITANO HOSPITAL, PIIF Tazuke-kofukai, Osaka, Japan)

[P8-006] A case of Triple X syndrome with IESS (infantile epileptic spasm syndrome)

Hiromi Teranishi (Department of Pediatrics, Saitama Medical University Hospital, Saitama, Japan)

[P8-007] A case of CACNA1D gene variant with intractable epilepsy

Saki Uneoka (Department of Pediatrics, University of Tohoku, Sendai, Japan)

[P8-008] A case of a girl with CNKSR2 pathogenic variant with severe DEE-SWAS due to skewed X-chromosome inactivation.

Yu Katata (Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan)

- [P8-009] Auriculocondylar syndrome type 2 (ARCND2) caused by PLCB4 de novo missense variant with polymicrogyria and epilepsy  
Yukimune Okubo (Department of Pediatrics, Hachinohe city hospital, Aomori, Japan)
- [P8-010] A case report of CHD2 gene mutation-related epilepsy suspected as EE-SWAS  
Hiromitsu Toshikawa (Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Shiga)
- [P8-011] A case of developmental epileptic encephalopathy type91 with differentiation from neuroceloid lipofuscinosis type2  
Moriei Shibuya (Department of Pediatrics, University of Tohoku, Sendai, Japan)
- [P8-012] Co-occurring periventricular nodular heterotopia and SCN2A gene mutation in EIDEE  
Kenichi Maeda (Department of Pediatrics, University of Miyazaki, Miyazaki, Japan)
- [P8-013] The two cases of epilepsy with suspected vocal tics  
Eijun Seki (Department of Pediatrics, Nishi Niigata central hospital, Niigata, Japan)
- [P8-014] A case of good response to levetiracetam for seizures associated with the VAMP2 variant  
Kanao Maizuru (Tenri Hospital)
- [P8-015] Clinical and electroencephalographic changes in PLA2G6-associated neurodegeneration: a case report  
Naohiro Yamamoto (Division of pediatrics, Nara prefecture General Medical Center, Nara, Japan)
- [P8-016] A Case of Aicardi-Goutieres syndrome type 5 with a novel SAMHD1 missense variant diagnosed by the IRUD  
Tomoko Uchida (Department of Pediatrics, Graduate School of Medicine, Chiba University)
- [P8-017] Survey on the medication status and effects of fenfluramine preparations in Dravet syndrome.  
Ruby Kuroiwa (Dravet Syndrome JP, Tokyo, Japan)
- [P8-018] A case of Dravet syndrome treated with fenfluramine  
Ryo Fujimoto (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)
- [P8-019] A case of Dravet syndrome responding to oral Fenfluramine treatment  
Genichi Uetsuki (Department of Pediatrics, Shikoku Medical Center for Children and Adults, Kagawa, Japan)
- [P8-020] A case of Dravet syndrome in which additional fenfluramine showed a decrease in appetite but was significantly effective  
Mitsuhiro Matsuo (Nagasaki Prefectural Center of Medicine and Welfare for Children, Nagasaki, Japan)
- [P8-021] A case of Dravet syndrome with reduced seizure frequency after vitamin D supplementation for osteoporosis  
Chihiro Yonee (Pediatrics, Minamikyusyu Hospital, Kagoshima, Japan)
- [P8-022] BASED score Time Course and Relapse of Infantile Epileptic Spasms Syndrome  
Masahiro Umeda (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan)
- [P8-023] Two cases of cryptogenic West syndrome treated with ACTH therapy within 2 weeks of BCG vaccination  
Kentaro Okamoto (Pediatrics, Ehime Prefectural Imabari Hospital)
- [P8-024] Weekly A case of post-GBS meningitis West syndrome with good response to ACTH therapy  
Satoru Ochiai (Department of Pediatrics, Teikyo University, Tokyo, Japan)
- [P8-025] ALG13-related DEE with repeated atypical absence seizures successfully treated with ketogenic diet at school-age  
Ayumi Horiguchi (Tochigi Children's Medical Center, Jichi Medical University Hospital, Tochigi, Japan)

- [P8-026] Chronological analysis of new antiepileptic drugs using the national reimbursement database  
Ayuko Igarashi (Department of Pediatrics, University of Juntendo, Tokyo, Japan)
- [P8-027] Experience in treating female cases of creatine transporter deficiency  
Mayuka Sato (Department of Pediatrics, Shinshu University School of Medicine, Matsumoto)
- [P8-028] A study about ineffective cases of the first antiepileptic drug between before and after the introduction of new drugs.  
Masahiro Ishii (Department of Pediatrics, Kitakyushu general hospital, Kitakyushu, Japan)
- [P8-029] Changes in antiepileptic drug selection at our hospital  
Luna Takaichi (Tokyo/Japan)
- [P8-030] The efficacy and safety of perampanel therapy in patients with idiopathic generalized epilepsy of pubertal onset  
Hideo Enoki (Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)
- [P8-031] PORTABLE Study: Efficacy and Safety of Perampanel as Monotherapy in Subjects with Focal Onset Seizures at 12 Months  
Hideaki Kanemura (Department of Pediatrics, Toho University Sakura Medical Center, Chiba, Japan)
- [P8-032] A Phase 1, randomized, open-label, three-period crossover study of NRL-1 (diazepam, spray) in healthy Japanese subjects  
Junichi Onuma (Aculys Pharma Inc., Tokyo, Japan)
- [P8-033] Valproic acid and piracetam improved myoclonus in a patient with Unverricht-Lundborg disease: a case report  
Taichi Imaizumi (Department of pediatrics, Kawasaki Municipal Tama Hospital)
- [P8-034] A case of Landau Kleffner syndrome with symptomatic relief by increasing the dose of perampanel.  
Ryuta Ishii (Department of pediatrics and Child Health, Kurume University School of Medicine)
- [P8-035] Exanthema infectiosum-like eruption induced by ethosuximide in a girl with childhood absence epilepsy  
Takamasa Kishi (Department of Pediatrics, Araki Neurosurgical Hospital, Hiroshima City, Japan)
- [P8-036] A case of altered consciousness and EEG slowing with lacosamide administration.  
Mika Nakazawa (Department of Pediatrics, Sanikukai Hospital, Tokyo, Japan)
- [P8-037] Two cases of Self-limited Infantile epilepsy treated with Lacosamide.  
Yusuke Watanabe (Department of Pediatrics and Adolescent Medicine, Tokyo Medical University, Tokyo, Japan)
- [P8-038] A case report: The choice of antiepileptic drugs was effective for seizure and also symptom relief of a patient with brain tumor.  
Kaoru Amemiya (Department of home medical care, Saiwaikodomo clinic, Tokyo, Japan)
- [P8-039] Improving EEG findings on wakefulness drastically by discontinuing lacosamide in a 8-year-old boy.  
Akihiro Iguchi (National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, 886 Urushiyama Aoi-ku Shizuoka 42-8688, Japan)
- [P8-040] No seizure recurrence after stopping all antiseizure medications in 2 cases with SMID  
Tomohiro Fujii (Department of Neuropediatrics, Yokohama Medical and Welfare Centre, Konan, Yokohama, Japan)
- [P8-041] Opportunistic infections associated with low-dose ACTH therapy: Legionella pneumonia and Pneumocystis carinii pneumonia  
Azusa Ikeda (Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)

[P8-042] Infant with West syndrome presenting with protein-leaking gastroenteropathy following low-dose ACTH therapy

Akira Akutsu (Department of Pediatrics, Dokkyo Medical University, Tochigi, Japan)

[P8-043] A case with seizures and EEG abnormalities as a potential adverse outcome of MPH treatment

Harumi Yoshinaga (National Hospital Organization Minami-Okayama Medical Hospital, Tukuba-gun, Japan)

[P8-044] 4 cases of coexistence of childhood absence epilepsy and self-limited epilepsy with centrotemporal spikes

Takahiro Motoki (Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan)

[P8-045] prescription status of psychotropic medications for children with epilepsy

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

[P8-046] Biochemical evaluation for brain iron dynamics in children with febrile seizures.

Gen Furukawa (Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan)

[P8-047] Long-term prognosis of childhood absence epilepsy in our hospital

Hitomi Fujii (Department of Child Neurology, National Hospital Organization Nishiniigata Chuo Hospital, Niigata, Japan)

[P8-048] Longitudinal changes of sleep spindle in children with Atypical CECTS

Kei Tamaru (Department of Pediatrics, University of Yamanashi, Chuo city, Japan)

[P8-049] Prevalence of epilepsy of severe motor and intellectual disabilities during 30 years in Fuchu Rehabilitation Center

Masahiro Ito (Department of Pediatrics, Tokyo Metropolitan Fuchu Rehabilitation Center)

[P8-050] Developmental outcomes and support of patients with Infantile epileptic spasms syndrome at Kurume University Hospital

Takayoshi Koike (The department of pediatrics and child health Kurume university school of medicine, Fukuoka, Japan,)

[P8-051] The online survey on managing epileptic seizures outside hospital settings in Japan

Shin Okazaki (Osaka City General Hospital, Osaka, Japan)

[P8-052] The Impact on the QOL of Patients with Epilepsy and Caregivers: Online Survey for Caregivers of Epilepsy Patients

Shin Okazaki (Osaka City General Hospital, Osaka, Japan)

[P8-053] Epilepsy education in medical care adviser visit project

Hiroyasu Nakagawa (Department of Pediatrics, Asanogawa General Hospital, Kanazawa, Japan)

[P8-054] Text mining analysis of parents of pediatric patients with intractable epilepsy thoughts on daily life.

Masayuki Heishi (General Incorporated Association SACHi Project, Osaka, Japan)

[P8-055] Questionnaire survey on recognition of illness among adolescent epilepsy patients

Hiroyuki Yamada (Department of Pediatrics, Toyooka Public Hospital, Toyooka, Japan)

[P8-056] The approach to parent child hospitalization following epilepsy surgery

Takuya Hayashida (Department of pediatrics, Nagasaki prefectural center of medical and welfare for children, Nagasaki, Japan)

[P8-057] Astrocyte-mediated synaptogenesis triggers epileptogenesis after status epilepticus

Fumikazu Sano (Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan)

- [P8-058] Connexin inhibitors acting on early reactive microglia prevent the epileptogenic astrocytes  
Hiroki Hoshino (Department of Neuropharmacology, Interdisciplinary of Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan)

### **General Poster Presentation 9: Imaging**

- [P9-059] A 2-year-old boy with bright tree appearance during the course of ADEM  
Mondo Kuroda (Department of Pediatrics, Kanazawa University, Ishikawa, Japan)
- [P9-060] 5 cases of bright tree appearance on MRI due to intracranial hemorrhage at our hospital  
Kensuke Sakata (Department of Pediatrics, St.Marrys Hospital, Kurume, Fukuoka, Japan)
- [P9-061] A case of ECHS1 abnormality with image changes over time  
Hiroko Tada (Devision of Pediatrics, Chibaken Saiseikai Narashino Hospital, Chiba, Japan)

### **General Poster Presentation 10: Nerurosurgery**

- [P10-062] A 12-year-old girl with unilateral oculomotor nerve palsy caused by midbrain infarction  
Satoshi Murayama (Department of Pediatrics, Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan)
- [P10-063] A case of Diffuse leptomeningeal glioneuronal tumor (DLGNT) with hydrocephalus  
Kaori Kodama (Department of Pediatric Neurology, Miyagi children <SUP>,</SUP>s Hospital, Sendai, Japan)
- [P10-064] Two cases of middle cerebral artery infarction with congenital hypoplasia of the internal carotid artery.  
Shotaro Morikawa (Kanagawa Children's Medical Center, Yokohama, Japan)
- [P10-065] An autopsy case of pilocytic astrocytoma presenting with malignant transformation 10 years after the initial resection  
Ayaka Koide (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
- [P10-066] A children with SMID who stopped breathing due to cerebral infarction caused by vertebrobasilar artery dissection.  
Risa Nakao (Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)
- [P10-067] Two cases of subdural hematoma associated with cerebral atrophy after acute encephalopathy  
Yoshihiro Watanabe (Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)
- [P10-068] The role of pediatric neurologists on chronic subdural hematoma in infants  
Anzu Noda (Division of General Pediatrics, Saitama Prefectural Children's Medical Center, Saitama, Japan)

### **General Poster Presentation 11: Neuromuscular disease**

- [P11-069] Duchenne muscular dystrophy with central retinal artery occlusion  
Fumihito Nozaki (Department of Genetics, Shiga Medical Center for Children)
- [P11-070] A case of Duchenne muscular dystrophy treated with cardiac resynchronization therapy for severe heart failure  
Hirokazu Tsuchie (Department of Neuropediatrics, University of Tottori, Tottori, Japan)
- [P11-071] Diaphragm thickness in school-aged children with Duchenne muscular dystrophy  
Masayoshi Oguri (Department of Medical Technology, Kagawa Prefectural University of Health Sciences, Japan)
- [P11-072] Two cases of Duchenne muscular dystrophy with acute kidney injury  
Keiko Morioka (Fujinomiya city, Japan)

- [P11-073] Diagnostic prevalence and clinical characteristics of gastrointestinal complications in Duchenne muscular dystrophy  
Yu Aihara (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan.)
- [P11-074] Current Status and issues of Rehabilitation for Patients with Muscular Dystrophy  
Akiko Wakisaka (Department of Pediatrics, National Hospital Organization Iou National Hospital, Kanazawa, Japan)
- [P11-075] Assessment of adult patients with Duchenne muscular dystrophy using integrated palliative care outcome scale (IPOS)  
Noriko Sumitomo (Department of child neurology, national center of neurology and psychiatry, Tokyo, Japan)
- [P11-076] The right time for thinking about advance care planning for patients with Duchenne muscular dystrophy  
Noriko Sumitomo (Department of child neurology, national center of neurology and psychiatry, Tokyo, Japan)
- [P11-077] A case of congenital myotonic dystrophy with lymphangiography for chylothorax  
Masahiro Kawaguchi (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Aichi, Japan)
- [P11-078] A case of Charcot-Marie-Tooth disease type 2A evaluated by MR neurography for nerve root alteration  
Takumi Nakahashi (Division of Pediatrics, Saitama Childrens Medical Center, Saitama, Japan)
- [P11-079] A case of refractory treatment of anti-neurofascin-155-antibody-associated nodopathy  
Yuki Inami (Department of Pediatrics, Yokohama City University Medical Center, Kanagawa, Japan)
- [P11-080] Anti-Ku antibody-positive myositis associated with Graves' disease and arthritis  
Ryunosuke Nomura (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- [P11-081] Two cases of Fisher syndrome in which the bacteria and virus of prior infection were identified  
Jun Hirai (Department of Pediatrics, Saitama Medical School Hospital, Saitama, Japan)
- [P11-082] Congenital club foot, HMSN-V in a patient with new variant of RET gene of MEN2  
Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital)
- [P11-083] A pediatric case of Laing type distal myopathy with a mutation in MYH7 gene mutation  
Nobutsune Ishikawa (Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan)
- [P11-084] An adolescent female with myelopathy due to the MYBPC1 gene variant preceded by tongue and upper limb tremors in infancy  
Megumi Tsuji (Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)
- [P11-085] A case of non-dystrophic myotonia with coexisting CLCN1 and SCN4A mutations  
Kaori Aiba (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- [P11-086] A case of Non-dystrophic Myotonia with lamotrigine efficacy  
Kaori Konno (Department of Pediatrics, Tokyo Metropolitan Tama-Hokubu Medical Center, Tokyo, Japan)
- [P11-087] Nipocalimab Dose Selection for A Phase 3 Study in Adult Patients with Generalized Myasthenia Gravis  
Sho Matsuyama (Janssen Pharmaceutical K.K., Tokyo, Japan)
- [P11-088] Clinical symptoms and rehabilitation support in 11 patients with congenital myopathy  
Keiko Wada (Tokyo Children's rehabilitation Hospital, Tokyo, Japan)

**General Poster Presentation 12: Metabolic disease, Neurodegenerative disease**

- [P12-089] A case of childhood-onset fatal familial insomnia  
Hirofumi Kashii (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- [P12-090] A patient of Down syndrome with adolescent cerebral adrenoleukodystrophy  
Risa Hashimoto (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo)
- [P12-091] DRPLA sister cases with different extra-central nervous complications  
Masaki Miura (Department of Child Neurology, National Hospital Organization Nishiniigata Chuo Hospital, Niigata, Japan)
- [P12-092] Clinical features of infantile neuroaxonal dystrophy at our hospital  
Tamaki Ikegawa (Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)
- [P12-093] Alternating cerebral edema and reversible dilation of macrovascular changes in Molybdenum cofactor deficiency  
Amane Matsuura (Department of Pediatrics, Kyoto Prefecture University of Medicine, Kyoto, Japan)
- [P12-094] Transient hypoglycorrachia with paroxysmal abnormal eye movement in early infancy  
Daisuke Tajima (Yanagishima Kids Clinic, Saga, Japan)
- [P12-095] AOA1: a decades-long diagnostic odyssey resolved by a collaboration between internists and pediatric neurologists.  
Takeshi Yaga (Center for Postgraduate Education and Training, National Center for Child Health and Development, Tokyo, Japan)
- [P12-096] A case of Farber disease with extensive Mongolian spots  
Michiko Torio (Department of General Medicine, Fukuoka City Children's Hospital, Fukuoka, Japan)
- [P12-097] A case of Pompe disease who started enzyme replacement therapy after over 3 years' interval from the onset  
Keisuke Oki (Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Osaka, Japan)
- [P12-098] Effect of treatment with miglustat over 10 years in a patient with late infantile onset Niemann-Pick disease type C  
Kaoru Eto (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- [P12-099] A case of beta-propeller protein-associated neurodegeneration(BPAN) in early childhood  
Mika Hayakawa (Department of Pediatrics, Tokyo Kita Medical and Rehabilitation Center for the Disabled, Tokyo, Japan)
- [P12-100] A 17-year-old boy with vacuolated lymphocytes and neuronal ceroid lipofuscinosis-like phenotypes.  
Kenta Kajiwarra (Department of Pediatrics, University of Kyushu, Fukuoka, Japan)
- [P12-101] Combined therapy of valproic acid and risdiplam for an adult patient with SMA type2  
Keiko Koterazawa (Division of Pediatrics, Himeji City Center for the Disabled, Himeji, Japan)
- [P12-102] Efficacy of oral risdiplam therapy for autonomic nervous activity in two patients with spinal muscular atrophy type 1.  
Takuji Nakamura (Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)
- [P12-103] A case of spinal muscular atrophy type 3 treated by risdiplam.  
Mayumi Matsufuji (Department of Pediatrics, Kagoshima city hospital)
- [P12-104] A case of SMA type 1 after onasemnogen abeparvovec treatment with severe course due to RS virus infection  
Sadao Nakamura (Department of Pediatrics, University of the Ryukyus, Okinawa, Japan)

- [P12-105] The investigation of 3 cases with SMA type 1 performed different gene therapy courses.  
Emiko Kobayashi (Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan)
- [P12-106] The life story of a woman with Spinal Muscular Atrophy  
Tomomi Kinugasa (Division of Pediatrics, Himeji City Center for the Disabled, Himeji, Japan)
- [P12-107] Launch of a New Patient Registry System for Spinal Muscular Atrophy in Response to the Widespread of Newborn Screening  
Tamaki Kato (Institute of Clinical Genomics, Tokyo Women's Medical University, Tokyo, Japan)
- [P12-108] Interim results from RESPOND study: nusinersen in children with SMA previously treated with onasemnogene AAV vector  
Taihei Homma (Biogen Japan Ltd)
- [P12-109] Post-marketing surveillance in Japan of nusinersen for SMA treatment: interim results up to May 2023  
Yosuke Tachibana (Biogen Japan, Tokyo, Japan)
- [P12-110] PGK (phosphoglycerate kinase) deficiency treated as ADHD: Report of cases in two brothers  
Junpei Ohiwa (Department of Pediatrics and Adolescent Medicine, Tokyo Medical University)
- [P12-111] Ulcerative colitis of infancy in child with mitochondrial disease.  
Chisaki Satomura (Department of Pediatrics, University of Toyama, Toyama, Japan)
- [P12-112] Two cases of MELAS with persistent multiple cortical diffusion-restriction on brain MRI  
Atsushi Fujimoto (Department of neurology, Kanagawa medical children's center, Yokohama, Japan)
- [P12-113] A case of MELAS with recurrent nonconvulsive status epilepticus  
Haruna Mitsuya (Hirakata city, Osaka, Japan)
- [P12-114] Rapidly progressive Leigh syndrome with compound heterozygous mutation in NDUF5L gene.  
Norihiro Mori (Department of Pediatrics, Faculty of Medicine, University of Miyazaki, Miyazaki, Japan)

### **General Poster Presentation 13: Involuntary movement, Basal ganglia disease**

- [P13-115] A girl with atypical Rett syndrome characterized by involuntary movements in whom the final diagnosis was delayed  
Kazuhiro Shiraishi (Department of Pediatrics, Utano national hospital, Kyoto, Japan)
- [P13-116] Establishment of comprehensive evaluation of autonomic function in Rett syndrome  
Toyohiro Matsuishi (Research Center for Children, Fukuoka, Japan)
- [P13-117] May be efficacy of Tanshinone IIa for involuntary movement, dystonia in Rett syndrome?  
Toyohiro Matsuishi (Fukuoka, Japan)
- [P13-118] Clinical Features of paroxysmal kinesigenic dyskinesia: Experience of Seven Cases  
Chizuru Ikeda (Department of Pediatrics, Kumamoto Saishun medical Center, Kumamoto, Japan)
- [P13-119] ADCY5-related dyskinesias; a family case report  
Yukiko Osawa (Department of Pediatrics, Tokyo Metropolitan Tama-Hokubu Medical Center, Tokyo, Japan)
- [P13-120] A case of movement disorder and poor oral intake caused by levetiracetam.  
Hiromi Aoyama (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

[P13-121] A case of 3 year-old boy remained chorea after acute encephalopathy with biphasic seizures and late reduced diffusion

Ayuko Usami (Department of Pediatrics, Tenri city, Japan)

#### **General Poster Presentation 14: Sleep disorders**

[P14-122] 3 cases of young patients, who suffered from hypersomnia after infection of COVID 19

Kentaro Shirai (Department of Pediatrics, Tsuchiura Kyodo General hospital, Tsuchiura, Japan)

[P14-123] 2 cases of wake-up improvement after treatment for delayed sleep phase syndrome, referred as orthostatic dysregulation.

Emi Iwabuchi (Ibaraki Children's Hospital, Mito, Ibaraki, Japan)

[P14-124] Impact on family life by using Nenne Navi, an interactive app for improving sleep habits in Japanese young children

Arika Yoshizaki (Osaka University, Osaka, Japan)

[P14-125] Experience with mirtazapine for sleep disorders in Angelman syndrome.

Keisuke Watanabe (Department of Pediatrics, Akita University, Akita, Japan)

[P14-126] A case of recurrent tongue biting due to hypnic myoclonia during infancy successfully treated with sleep medication

Itsuki Shimizu (Department of Pediatrics, St. Luke's International Hospital, Tokyo, Japan)

#### **General Poster Presentation 15: Endocrinology, Nutrition**

[P15-127] A case of FGF23-related hypophosphatemic rickets/osteomalacia with increasing gingival abscess

Ayami Ozaki (Yokohama, Japan)

[P15-128] Nutritional evaluation and serum zinc levels in children with neurodevelopmental disorders who eat unbalanced diets.

Hisami Inoue (Department of Neuropediatrics, Shimada Ryoiku Medical Center for Challenged Children Hachioji, Hachioji, Tokyo, Japan)

[P15-129] Five cases of diabetes mellitus in patients with severe motor and intellectual disabilities

Wataru Matsumura (Department of pediatrics, Western Shimane medical and welfare center, Shimane, Japan)

[P15-130] Diabetes mellitus developed due to increased insulin resistance with overnutrition in two cases of SMID with panhypopituitarism

Elina Ishizaki (Aozora Medical Clinic Ueno, Tokyo, Japan)

#### **General Poster Presentation 16: Disaster/COVID-19**

[P16-131] A trial of online medical treatment in the division of pediatric neurology at children's hospital.

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

[P16-132] Febrile seizures in older children in the COVID-19 omicron variant epidemic

Kazuhiko Hashimoto (Department of Pediatrics, Sasebo City General Hospital, Sasebo, Japan)

[P16-133] Clinical features of COVID-19 in patients with severe motor and intellectual disabilities.

Saoko Takeshita (Division of Child Neurology, Yokohama Medical and Welfare Center Konan, Yokohama, Japan)

[P16-134] The managements of COVID-19 cluster in severe disabilities care facility.

Kakurou Aoyagi (Department of pediatrics, Yamanashi prefectural Akebono medical welfare center, Nisasaki, Japan)

- [P16-135] Measures on infection control at a ryoiku facility for children with physical disabilities  
Atsuko Ohno (Department of Pediatric Neurology, Toyota Municipal Child Development Center Nozomi Clinic,  
Toyota, Japan)