

The 62nd Annual Meeting of the Japanese Society of Child Neurology

**The 62nd Annual Meeting of
the Japanese Society of Child Neurology**

August 18th–20th, September 1st–30th, 2020
On-line Meeting

PROGRAM

Presidential Lecture

Chair: Takao Takahashi (Dept Pediatrics, Keio Univ Sch of Med)

Integrating science, we can find a cure. -For the future of Child Neurology-

Masayuki Sasaki (The Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Japan)

Memorial Lecture of Dr. Yukio Fukuyama

Chair: Hitoshi Osaka (Jichi Med Univ, Dept of Ped)

Leukodystrophies: the road from first disease definition to insight into therapy options

Marjo S. van der Knaap (Professor of Child Neurology, VU University Medical Center, and professor of Translational Neurosciences, VU University, Amsterdam.)

Invited Lecture 1

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

Size matters: the genetic basis of human megalencephaly and associated malformations of cortical development

William Brian Dobyns (Professor of Pediatrics and Neurology, University of Washington, USA)

Invited Lecture 2

Chair: Shinji Saitoh (Nagoya City University Graduate School of Medical Sciences)

Movement Disorders in Children - ATP1A3-related disorders and differential diagnoses

Hendrik Rosewich (Assistant Professor, Dept. of Pediatrics and Adolescent Medicine, University Medical Center Göttingen, Germany.)

Special Lecture 1

Chair: Masayuki Sasaki (Department of Child Neurology, National Center of Neurology and Psychiatry)

Spinocerebellar ataxias, from molecular pathogenesis to treatment.

Osamu Onodera (Department of Neurology, Brain Research Institute, Niigata University, Japan)

Special Lecture 2

Chair: Kyoko Itoh (Kyoto Prefectural University of Medicine)

Histologic features indicating possible pathomechanisms underlying neurological disorders of infants and children

Akiyoshi Kakita (Department of Pathology, Brain Research Institute, Niigata University, Niigata, Japan)

Special Lecture 3

Chair: Yuka Ishikawa (National Hospital Organization Yakumo National Hospital)

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Clinical application of cyborg type robot HAL for paediatric neuromuscular disease towards combined therapy

Takashi Nakajima(National Hospital Organization Niigata National Hospital, Kashiwazaki, Japan)

Education Lecture 1

Chair: Jun Tohyama(NHO Nishiniigata Chuo Hospital)

From genetic testing to elucidation of pathophysiology of pediatric neurological disorders

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

Education Lecture 2

Chair: Hiroshi Ozawa(Shimada-Ryoiku Center Hachioji)

Aiming at society which values each and every life in the period of high economic growth

-Supporting children with special needs in Kenya

Kazuko Kumon(The Garden of Siloam, Kiambu, Kenya)

Education Lecture 3

Chair: Katsuhiko Kobayashi(Department of Child Neurology, Okayama University Graduate School)

New classification of epilepsies and seizure types

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

Education Lecture 4

Chair: Akira Oka(Department of Pediatrics, The University of Tokyo)

No English Title

Akihiko Saitoh (Niigata University Graduate School of Medical and Dental Sciences)

Education Lecture 5

Chair: Hideo Yamaouchi(Department of Pediatrics,, Comprehensive Epilepsy Center, Saitama Medical University Hospital)

Surgical treatment of epilepsy

Masaki Iwasaki(Department of Neurosurgery, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

Education Lecture 6

Chair: Masakazu Mimaki(Department of Pediatrics, Teikyo University School of Medicine)

Treatment of neuromuscular diseases with nucleic acid drugs

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

Education Lecture 7

Chair: Yoshiaki Saito(Yokohama Medical and Welfare Center, Konan)

How to read electroencephalography in children

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

Education Lecture 8

Chair: Yuichi Goto(Medical Genome Center, National Center of Neurology and Psychiatry)

Development and application of genome editing technologies in the mammalian brain in vivo

Takayasu Mikuni(Brain Research Institute, Niigata University, Niigata, Japan)

Education Lecture 9

Chair: Yuichi Abe(Division of Neurology, National Center for Child Health and Development)

Key points of physical examination for children with neurological problems

Kazuhiro Haginoya(Department of Pediatric Neurology, Miyagi Children's Hospital)

Education Lecture 10

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

Molecular mechanisms of epilepsy and autism

Kazuhiro Yamakawa(Nagoya City University Graduate School of Medical Sciences,
Nagoya, Japan)

Symposium1

Chair: Masashi Mizuguchi(Department of Developmental Medical Sciences, Graduate School of
Medicine, the University of Tokyo)

Jun-ichi Takanashi(Tokyo Women's Medical University, Yachiyo Medical Center)

Acute encephalopathy; progress in pathomechanism, diagnosis, and treatment

1)Overview of acute encephalopathy with biphasic seizures and late reduced diffusion (AESD)

Jun-ichi Takanashi(Tokyo Women's Medical University, Yachiyo Medical Center)

2)Evaluation of cerebral perfusion in AESD using arterial spin labeling

Mika Kitajima(Department of Medical Imaging, Faculty of Life Sciences, Kumamoto
University, Kumamoto, Japan)

3)AESD registry' in Kanto area.

Tomohide Goto(Department of Neurology, Kanagawa Children's Medical Center)

4)History of Tokai Pediatric Neurology Society

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

5)A Registry study based on clinical information of "minutes to hours" in patients with Seizure
and/or Impaired Consciousness accompanied by Fever without known etiology

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

Symposium 2

Chair: Shin-ichiro Hamano(Division of Neurology, Saitama Children's Medical Center)

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

Appropriate and suitable use of new antiepileptic drugs according to their characteristics

1)Effects and characteristics of topiramate, lamotrigine and levetiracetam

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

2)Characteristics and efficacy of perampanel

Hideaki Kanemura(Department of Pediatrics, Toho University Medical Center Sakura Hospital, Chiba, Japan)

3)Lacosamide: property, efficacy and expected usage

Yuko Hirata(Saitama Children's Medical Center, Division of Neurology)

4)Characteristics and efficacy of vigabatrin

Erika Hiwatari(Department of Pediatrics, The Jikei University Katsushika Medical Center)

5)Rufinamide, Stiripentol

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

Symposium 3

Chair: Atsuo Nezu(Yokohama Medical and Welfare Centre, Konan)

Masao Kumode(Biwakogakuen Kusatsu Medical and Welfare Center for Disabilities)

To advance QOL for a long life of severely handicapped persons

1)Management of spasticity and contracture in severely handicapped children

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

2)Respiratory care and management to improve quality of life

Yuka Ishikawa(Department of Pediatrics, National Hospital Organization Yakumo National Hospital, Yakumo-cho, Japan)

3)Effect of blenderized tube feeding on quality of life in enteral feeding-dependent patients

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

4)The communication support of using Eye-Tracking Device

Akihisa Hikiji(West-Shimane rehabilitation center for the disabled)

5)Support philosophy and Advanced Care Program for long-term Quality Of Life

Masao Kumode(The Department of Pediatrics, Biwakogakuen Kusatsu Medical Welfare center for Disabilities, Shiga, Japan)

Symposium 4

Chair: Toshiyuki Yamamoto(Institute of Medical Genetics, Tokyo Women's Medical University)

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Norio Sakai(Division of Health Sciences, Osaka University Graduate School of Medicine)

Prenatal testing for pediatric neurological disorders up-to-date

1)Ethics of prenatal diagnosis for pediatric neuro-metabolic diseases

Norio Sakai(Child Healthcare and Genetic Science Laboratory, Division of Health Sciences, Osaka University Graduate School of Medicine, Osaka, Japan)

2)The actual situation of prenatal testing for neuromuscular disorders

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

3)Application and limitations of prenatal diagnosis of pediatric neurological disease

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

4) The current state of Prenatal Diagnosis in Obstetrics

Satoshi Dohi(The Department of Obstetrics and Gynecology, Showa University Northern Yokohama Hospital, Yokohama, Japan)

5)Prenatal diagnosis as a father and as a pediatrician

Takeru Ito(Shiotsuka Kisd's Clinic, Kanagawa, Japan)

6)Laws and litigation related to prenatal diagnosis

Norihiro Nakajima(Department of Hygiene and Public Health, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan)

7)Current status of prenatal diagnosis that pediatric neurologists should know

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

Symposium 5

Chair: Masumi Inagaki(Department of Developmental Disorders, National Institute of Mental Health, NCNP)

Tohyama Jun(NHO Nishiniigata Chuo Hospital)

Contribution to epilepsy surgery by child neurologists: Assessment and follow up of the patients

1) Overview

Jun Tohyama(Department of Child Neurology, NHO Nishiniigata Chuo Hospital, Niigata, Japan)

2)Reading video EEG recording

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

3)Detection of Epileptic Focus using MRI, MEG and Nuclear Scanning

Tohru Okanishi(Department of Child Neurology, Tottori University, Yonago, Japan)

4)Cognitive function in children with epileptic surgery

Yoshimi Kaga(Department of developmental disorders, National institute of Mental health, National Center of Neurology and Psychiatry, Tokyo, Japan)

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5) Epilepsy surgery for intractable childhood epilepsy

Masafumi Fukuda (Department of Neurosurgery, NHO, Nishiniigata Chuo Hospital, Niigata, Japan)

Symposium 6

Chair: Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry)

Yasuhiro Takeshima (Hyogo College of Medicine, Department of Pediatrics)

Forefront of muscle disease research

1) Current development of novel therapeutic approaches for Duchenne muscular dystrophy

Hiroyuki Awano (Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan)

2) Therapeutic approach for Fukuyama congenital muscular dystrophy

Mariko Ikeda (Department of Clinical Genetics, Fujita Health University Hospital)

3) Frontier in idiopathic inflammatory myopathy

Michio Inoue (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

4) Recent advances in skeletal muscular imaging for neuromuscular diseases

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

5) Towards genome editing therapy for Duchenne muscular dystrophy

Akitsu Hotta (CiRA, Kyoto University, Kyoto, Japan)

Symposium 7

Chair: Masaharu Hayashi (School of Nursing, College of Nursing and Nutrition, Shukutoku University)

Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children)

No English Title

1) Distribution management of central nervous system stimulants

Masaharu Hayashi (The School of Nursing, College of Nursing and Nutrition, Shukutoku University, Chiba, Japan)

2) Development of oxytocin as a novel therapeutic agent for autism spectrum disorder core symptoms

Hidenori Yamasue (Department of Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan)

3) Very low-dose levodopa therapy

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

4) Developmental disorders and orthostatic dysregulation, tips for treatment.

Soken Go (Department of Pediatrics, Tokyo Medical University, Tokyo, Japan)

Symposium 8

Chair: Shin-ichiro Hamano(Division of Neurology, Saitama Children's Medical Center)

Mitsuhiro Kato(Division of Neurology, Saitama Children's Medical Center)

Current status and future of genetic analysis in epilepsy;
challenges from research to insurance practice

1)The significance and issues of genetic testing on clinical practice in epilepsy

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

2)Establishment of NPO for genetic testing: background and issues

Toshiyuki Yamamoto(Institute of Medical genetics, Tokyo Women's Medical University, Tokyo, Japan)

3)The present situation of genetic testing for rare diseases by DNA sequencing

Osamu Ohara(Department of Applied Genomics, Kazusa DNA Research Institute, Chiba, Japan)

4)Importance of genetic testing for patients with Dravet syndrome

Ruby Kuroiwa(Dravet Syndrome JP)

5)The meaning of genetic screening for epilepsy patients and their families

Kaori Honda(West syndrome community, Osaka,Japan)

Symposium 9

Chair: Masumi Inagaki(Department of Developmental Disorders, National Institute of Mental Health, NCNP)

Yoshimi Kaga(Dept. of developmental disorders, National institute of Mental health, NCNP)

Early detection and support of obscure developmental disabilities in preschoolers:

Stuttering, tic disorder, developmental coordination disorder and developmental dyslexia

1)Early detection and intervention for stuttering

Yuki Hara(Speech Therapy Course Department of Rehabilitation School of Allied Health Sciences Kitasato University, Sagamihara, Japan)

2)Early detection and support of tic disorders

Yukiko Kano(Department of Child Neuropsychiatry, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

3)Early detection and support for children of developmental coordination disorder

Manabu Saito(Department of Neuropsychiatry, Graduate School of Medicine, Hirosaki University, Aomori, Japan)

4)Early identification of children with developmental dyslexia and early intervention for them

Keiko Hara(Graduate School of Languages and Linguistics. Sophia University, Tokyo, Japan)

Symposium 10

Chair: Yoshihiro Maegaki(Faculty of Medicine, Tottori University)

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

Pediatric palliative care based on disease trajectory

1)Awareness of illness-trajectory and its vital meaning in decision-making

Momoko Sasazuki(Faculty of Health and Welfare, Seinan Jogakuin University, Kitakyushu, Japan)

2)Progressive disease(metabolic disease, muscle dystrophy)

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

3)Neonatal palliative care

Nobuyuki Yotani(Division of palliative Medicine, national Center for Child Health and Development, Tokyo, Japan)

4)Reflect the treatment of adult heart failure patients from the illness trajectory

Hideyuki Kashiwagi(Department of Transitional and Palliative Care, Iizuka Hospital, Japan)

Symposium 11

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

Shinichi Hirose(Department of Pediatrics, School of Medicine, Fukuoka University)

Research for pediatric neurological diseases aimed at innovative drug discovery using iPS cells.

1)Generation of various types of neurons from Angelman syndrome patients iPS cells and the gene expression profile

Mitsuru Ishikawa(Department of Physiology, Keio University School of Medicine, Tokyo, Japan)

2)Research on the cellular pathogenesis of PCDH19 epilepsy

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

3)Elucidation of CDKL5 epileptic encephalopathy using disease specific iPS cells

Toshiyuki Yamamoto(Division of Gene Medicine, Graduate School of Tokyo Women's Medical University, Tokyo, Japan)

4)Uncovering the pathophysiological mechanisms of STXBP1 encephalopathy using patient-derived iPSCs

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

5)Pathological analysis and drug discovery research for Dravet syndrome using iPSCs model

Yasuyoshi Tanaka(Research Institute for the Molecular Pathomechanisms of Epilepsy, Fukuoka University, Fukuoka, Japan)

Symposium 12

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

Novel molecular mechanisms for the brain formation and disorders in pediatric neurology

1)Mechanisms of neocortical organization by neuronal activity of subplate neurons

Chiaki Maruyama(Tokyo Metropolitan Institute of Medical Science)

2)Glutamate and abnormal brain development

Kohichi Tanaka(Laboratory of Molecular Neuroscience, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan)

3)Link between ion channel genes and malformation of cortical development

Satoko Miyatake(Clinical Genetics Department, Yokohama City University Hospital, Yokohama, Japan)

Symposium 13

Chair: Kazuhiro Muramatsu(Jichi Medical University, Dept. of Pediatrics)

Akihiko Ishiyama(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

Be Physician-Scientists leading to pathophysiological research for treatments in future

1)New therapeutic approach targeting abnormal RNA splicing in rare genetic disorders

Tomonari Awaya(Translational Research Department for Skin and Brain Diseases, Kyoto University Graduate School of Medicine, Kyoto, Japan)

2)Molecular mechanism of congenital cerebral hypomyelination

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

3)Development of new drugs for mitochondrial disease

Akihiko Miyauchi(Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

4)Establishment fo new therapeutic approaches for neurological diseases utilizing juvenility.

Takao Morimune(The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

Symposium 14

Chair: Yuji Inaba(Nagano Children's Hospital)

Hiroshi Sakuma(Dept of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science)

The diagnosis and management of pediatric autoimmune neurological diseases:

A clinical case-based approach

1)Treatment of anti-N-methyl-D-aspartate receptor encephalitis: First line, second line and beyond

Hiroya Nishida(Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

2) A pediatric case of repetitive ocular disturbances diagnosed with multiple sclerosis

Fumiya Yamashita(Department of Pediatric Neurology, Fukuoka Childrens Hospital, Fukuoka, Japan)

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- 3) A case of a boy with intractable myasthenia gravis who was successfully treated by thymectomy
Makoto Nishioka(Division of Pediatric Neurology, Nagano Children's Hospital, Nagano, Japan)
- 4) A 2-year-old Japanese girl exhibiting muscle weakness of the lower extremities and gait disturbance
Daisuke Sawada(Department of Pediatrics, Chiba University Graduate School of Medicine)

Symposium 15

Chair: Kiyokuni Miura(Aichi Developmental Disability Center, Central Hospital)
Soichiro Tanaka(Home care clinic for children Hokkori Sendai)

Home care for children with pediatric neurological disorders

- 1) Medical technology supporting pediatric home care
Hirotoshi Maeda(Medical corporation foundation Harukakai, Tokyo, Japan)
- 2)Home medical treatment from our developmental rehabilitation center
Hiroshi Wada(Osaka Developmental Rehabilitation Center)
- 3) Management of Children's Home Medicine
Tomoyuki Dobata(Toseikai Healthcare Corporation, Sapporo, Hokkaido, Japan)
- 4) Community based home health care for children
Ryoichi Ichihashi(Medical Corporation Kagayaki General Home Care Clinic, Gifu, Japan)
- 5)Cooperation between medical professionals and consultation support specialist
Hiromi Tohyama(Social welfare corporation Nanohana,child care center nakayoshi-gakuen,aozora-home,sendai-city, Miyagi,Japan)

Symposium 16

Chair:Satoko Kumada(Department of Pediatrics, Tokyo Metropolitan Neurological Hospital)
Shinji Kakei(Movement Disorders Project, Tokyo Metropolitan Institute of Medical Science)

What the cerebellum do? New insights from basic and neurophysiological research.

- 1)Introduction; Neurological signs and symptoms of cerebellar ataxia
Satoko Kumada(Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- 2)Functional organization of the cerebro-cerebellum revealed by analysis of neural activities in behaving monkeys.
Shinji Kakei(Movement Disorders Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)
- 3)Neurophysiological examinations for cerebellar functions in the human
Ritsuko Hanajima(Division of Neurology Department of Brain and Neurosciences Faculty of Medicine Tottori University)
- 4)Pathophysiology of movement disorders: How are the cerebellum and basal ganglia involved in?
Satomi Chiken(Division of System Neurophysiology, National Institute for Physiological Sciences, Okazaki, Japan)

Special Symposium

Chair: Yuko Motohashi(National Center of Neurology and Psychiatry)

Ohashi Tsukasa(Hamagumi Niigata prefecture rehabilitation center)

Case Conference JSCN 2020

1)A case of one-year-old girl with chronic stridor, developmental delay, and epileptic seizures

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

2)A 4-year-old girl who came to the hospital by developmental delay and developed rapid neurological deterioration

Atsuko Takeuchi(Department of Pediatrics, Gifu Prefectural Tajimi Hospital, Gifu, Japan)

3)A boy with developmental delay who had severe apnea attacks

Mai Tanaka(Department of Pediatrics, University of Tsukuba Hospital, Tsukuba, Japan)

4)Recurrent unsteadiness of the trunk and limbs associate with febrile infection

Takeshi Ono(Department of Child Neurology, Nishi-Niigata Chuo National Hospital)

Committee's Seminar 1 [part 1]

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

Kazuhiro Haginoya(Miyagi Children's Hospital)

The reports of the collaborative studies supported by the Japanese Society of Child Neurology

1)Epidemiology of spinal cord infarction in Japan

Katsunori Fujii(Department of Pediatrics, Chiba University Graduate School of Medicine)

2)Incidence and risk factors of acute encephalopathy with biphasic seizures and late reduced diffusion in children with prolonged febrile convulsions

Muneaki Matsuo(Education and Research Center for Community Medicine, Faculty of Medicine, Saga University)

Committee's Seminar 1 [part 2]

Chair: Osaka Hitoshi(Jichi Med Univ, Dept of Ped)

Kazuhiro Haginoya(Miyagi Children's Hospital)

Biological discoveries and drug developments from the next generation sequence

1)*Drosophila* as a model for neurodevelopmental disorders

Masamitsu Yamaguchi(Department of Applied Biology, Kyoto Institute of Technology, Kyoto, Japan)

2)Application of zebrafish model

Yuta Komoike(Department of Hygiene and Public Health, School of Medicine, Tokyo Women's Medical University)

3)iPSC-originated approaches to elucidation of pathological conditions and pharmaceutical development for rare intractable diseases

Yasushi Kajii(Research Institute of Environmental Medical Sciences, Organization for University Research Initiatives, Waseda University)

Committee's Seminar 2

Chair: Seigo Korematsu(Nakatsu Municipal Hospital)

Masakazu Mimaki(Department of Pediatrics, Teikyo University School of Medicine)

Go ahead. Medical safety in pediatric child neurology

1)Recent opinions on sedation during MRI

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

2) A prescriptive guide for the safety management of ACTH therapy for West syndrome

Hideo Yamanouchi(Department of Pediatrics, Saitama Medical University)

3)Medical safety for home medical care children

Mitsuko Ishii(Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan)

4) Fatal cases under 18 years old, reported to "Medical Accident Investigation System" , from the experiences of 4 years 3 months

Sosuke Kimura(Japan Medical Safety Research Organization)

Committee's Seminar 4

Chair: Eiji Nakagawa(Department of Child Neurology, National Center Hospital, NCNP)

Harumi Yoshinaga(Minami-Okayama Medical Center)

Application and restriction on use of medicament for child neurology

1)Instruction for appropriate use of ketone formula depending on treatment guide

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

2)Application and restriction on use of vigabatrin

Harumi Yoshinaga(Minami-Okayama Medical Center)

3)Appropriate treatment of ADHD medication and SMA medication

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

4) Safety measures in pharmaceutical regulation of Japan, including drug usage restriction.

Yoshiaki Yamagishi(Department of Medical Innovation, Osaka University Hospital)

Committee's Seminar 5

Chair: Toshiyuki Yamamoto(Institute of Medical Genetics, Tokyo Women's Medical University)

Katsuhiro Kobayashi(Department of Child Neurology, Okayama University Graduate School)

Mission and role sharing required for both Japanese and English journals

1)History and future task of Japanese and English official journals in the JSCN

Masaharu Hayashi(The School of Nursing, College of Nursing and Nutrition, Shukutoku University, Chiba, Japan)

2)Raison d'etre of Brain & Development

Katsuhiro Kobayashi(Department of Child Neurology, Okayama University Graduate

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School)

3) The role of No-to-Hattatsu

Toshiyuki Yamamoto (Division of Gene Medicine, Graduate School of Tokyo Women's Medical University, Tokyo, Japan)

4) Responsibility of Brain & Development and No to Hattatsu

Hiroshi Sakuma (Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science)

5) A step up for pediatric neurologists

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

6) Thoughts after the articles were published in both Japanese and English journals

Miho Fukui (Institute for Developmental Brain Research, Osaka Medical College, Osaka, Japan)

7) The reason I challenge to write papers.

Hiroshi Ozawa (Department of Child Neurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan)

8) The roles of journals of JSCN

Akira Oka (Department of Pediatrics, The University of Tokyo)

Committee's Seminar 6

Chair: Akira Yoneyama (department of pediatrics national rehabilitation center for children with disabilities)

Nobuyoshi Mimaki (Kurashiki Medical Center)

No English Title

1) The system of prevention and intervention of child abuse for children with disabilities

Hisaya Suzuki (Division for the Persons with Disabilities, MHLW, Tokyo, Japan)

2) Seamless support from pregnancy and early birth

Takuyo Sato (Osaka Women's and Children's Hospital, Izumi City, Japan)

3) Support for growth of children with disabilities: therapeutic nurseries, parent training, support for families and supporters including abuse prevention in the facility

Mika Nagase (National Rehabilitation Center for Children with Disabilities)

4) Children with disabilities and family support

Satoko Kitagawa (Nonprofit Organization Muginoko, Sapporo, Japan)

Committee's Seminar 7

Chair: Shigemi Kimura (Hyogo Prefectural Rehabilitation Central Hospital, Kobe, Japan)

Keiko Nomura (Department of Pediatrics, Kumamoto University Hospital)

The simulation of a disaster for handicapped children

1) The role of disaster liaison for pediatrics and perinatal medicine

Kohmei Ida (Department of Pediatrics, Teikyo Mizonokuchi Hospital, Kawasaki, Japan)

2) Evacuation of children with neurodevelopmental disorder

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Satoshi Takada(Kobe City Pediatric and General Rehabilitation Center for the Challenged)

3) The Viewpoint of a Childs Home Physician in the Event of a Disaster

Kenichi Ogata(Ogata Clinic ,Kumamoto,Japan)

4) The role of welfare shelters for children with disabilities

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

5)The role of welfare shelters for children with disabilities

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

Committee's Seminar 8

Chair: Kyoko Itoh(Kyoto Prefectural University of Medicine)

COI management in medical research

Conflict of Interest(COI) management for medical research

Kaori Iida(Institute of Research Division for Research Innovation Research Center for Industry Alliances Tokyo Medical and Dental University (TMDU),Tokyo,Japan)

Committee's Seminar 9

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

Tomoyuki Akiyama(Department of Child Neurology, Okayama University)

Revision of guidelines 2017 for the treatment of pediatric status epilepticus

1)Non-intravenous medication for the prehospital treatment of convulsive status epilepticus in childhood

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

2)Efficacy and safety of intravenous lorazepam therapy for status epilepticus

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

3)Therapy with levetiracetam and lacosamide for status epilepticus refractory to benzodiazepines

Tadashi Shiohama(Department of Pediatrics, Chiba University Hospital, Chiba, Japan)

4)The treatment for refractory status epilepticus: anesthetic therapy with midazolam or barbiturate

Masahiro Nishiyama(Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

5)Proposal from experience of using ketamine for super refractory status epilepticus

Ichiro Kuki(The Department of Child Neurology, Osaka City General Hospital, Osaka, Japan)

Committee's Seminar 10

Chair: Hirofumi Komaki(Translational Medical Center, National Center of Neurology and Psychiatry)

Takanori Yamagata(Jichi Medical University Department of Pediatrics)

Development and problems of advanced therapy for intractable neuronal diseases

1)Measures against intractable diseases and specific pediatric chronic diseases in Japan

Kaeko Ogura(National Center for Child Health and Development, Tokyo, Japan)

2)Progress and problems of advanced treatment for Intractable diseases

Takanori Yamagata(Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

3)Opinions from clinicians in using expensive new drugs

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

4)On the process of determining the price of expensive drugs

Yuta Kato(Medical Economic Division, Health Insurance Bureau, Ministry of Health, Labour and Welfare, Tokyo, Japan)

5) Possibilities and challenges of gene therapy for pediatric neurogenetic diseases

Hisaharu Shinohara(Novartis Pharma K.K. Tokyo, Japan)

6) The ethical issues surrounding gene therapy and advanced medical care

Naoko Kakee(The Division of Bioethics, National Center for Child Health and Development, Tokyo, Japan)

7)Advance care planning for children with progressive neurological diseases

Nobuyuki Yotani(Division of palliative Medicine, national Center for Child Health and Development, Tokyo, Japan)

Committee's Seminar 11

Chair: Eiji Nakagawa(Department of Child Neurology, National Center Hospital, NCNP)

Kyoko Hoshino(Segawa Memorial Neurological Clinic for Children)

Telemedicine and telecare in child neurology

1)The overview and progress of the telemedicine in Japan

Takashi Hasegawa(Japan Telemedicine and Telecare Association, Takasaki, Japan)

2)Telemedicine for neurological clinic for children

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

3) Telemedicine in the comprehensive epilepsy center

Hideo Enoki(Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)

Practical Education Seminar 1

Chair: Katsunori Fujii(Chiba University Graduate School of Medicine)

A Practical Seminar for Child Neurology

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- 1) The introduction to pediatric neurological examination
Shin Nabatame (Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan)
- 2) Diagnosis and treatment of abnormal involuntary movements.
Satoko Kumada (Department of Pediatric Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- 3) The Essence of Treatment for Childhood Epilepsy
Tohru Okanishi (Department of Child Neurology, Tottori University, Tottori, Japan)

Practical Education Seminar 2

Chair: Masaya Kubota (NCCHD)

Pitfall in Pediatric Neurology: Learning from Misdiagnosis

- 1) Learn from diagnostic errors
Katsuo Sugita (Chiba Municipal Center for Developmental Disorders)
- 2) Misdiagnosis retrospection leads to tomorrow's clinical practice.
Hiroshi Ozawa (Department of Child Neurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan)
- 3) Structural analysis of misdiagnosis, squid can be seen by looking at dry dead squid?
Masaya Kubota (Division of Neurology, NCCHD, Tokyo, Japan)

Practical Education Seminar 3

Chair: Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)

Hiroyuki Kidokoro (Nagoya University Graduate School of Medicine)

Neonatal EEG seminar

- 1) Easy neonatal neurology
Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)
- 2) Neonatal EEG in full-term infants
Tatsuya Fukasawa (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)
- 3) Neonatal EEG in preterm infants
Toru Kato (Department of Pediatrics, Okazaki, Japan)
- 4) Neural basis of neonatal EEG
Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

Practical Education Seminar 4

Chair: Akira Nishimura (Japanese Red Cross Society Kyoto Daiichi Hospital)

Toshiyuki Hikita (Teikyo University School of Medicine, Hikita Pediatric Clinic)

No English Title

- 1) Preventive treatment of headache in children
Kentaro Kuwabara (Department of Pediatrics, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan)

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2) Prophylactic treatment of pediatric migraine

Gaku Yamanaka (Department of Pediatrics and Adolescent Medicine)

3) Kampo therapy for children with chronic headache

Hirohiko Ozaki (The National Rehabilitation Center for Children with Disabilities, Tokyo, Japan)

Practical Education Seminar 5

Chair: Masumi Inagaki (Department of Developmental Disorders, National Institute of Mental Health, NCNP)

Yoshimi Kaga (Dept. of developmental disorders, National Institute of Mental Health, NCNP)

The actual practice of clinical skills in specific learning disorders

1) Diagnosis of specific learning disorder: Role of child neurologist

Masumi Inagaki (Department of Developmental Disorders, National Institute of Mental Health, NCNP)

2) Educational Support Practices for Specific Learning Disorder

Miyoshi Kumoi (Department of Special Needs Education, Faculty of Education, Kagoshima University, Kagoshima, Japan)

3) The actual practice of clinical skills in specific learning disorders: Case discussion

Yoshimi Kaga (Department of developmental disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan)

Practical Education Seminar 6

Chair: Akihiko Ishiyama (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

Katsunori Fujii (Chiba University Graduate School of Medicine)

Hands-on seminar of electrodiagnosis in disease of nerve and muscle

Yoshihiko Saito (National Institute of Neuroscience, National Center of Neurology and Psychiatry)

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

Hiromi Aoyama (The Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)

Practical Education Seminar 7

Chair: Jun-ichi Tatanashi (Tokyo Women's Medical University, Yachiyo Medical Center)

Hiroshi Oba (Teikyo University Hospital)

Neuroimaging for Pediatrician 2020

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- 1) Diagnostic inference using imaging: focused on differentiating between benign and malignancy
Harushi Mori(Department of Radiology, Jichi Medical University, School of Medicine, Tochigi, Japan)
- 2) Pediatric central nervous system infectious disease Top 10 things to know
Hiroschi Oba(Department of Radiology, Teikyo University Hospital, Tokyo, Japan)
- 3) Quantitative analysis of Brain MRI in neurological disorders - towards Next Generation Brain Phenotyping –
Tadashi Shiohama(Department of Pediatrics, Chiba University Hospital, Chiba, Japan)
- 4) Brain MR findings of congenital muscular dystrophy: useful information for clinics and new MR findings
Noriko Sato(Department of Radiology, National Center of Neurology and Psychiatry, Tokyo, Japan)

Practical Education Seminar 8

Chair: Norio Sakai(Division of Health Sciences, Osaka University Graduate School of Medicine)

Nobuyuki Shimozawa(Division of Genomics Research, Life Science Research Center, Gifu University)

How to diagnose inborn error metabolic diseases?

- 1) Genetic examination for inborn errors of metabolism
Hideo Sasai(Division of Neonatal intensive Care Unit, Gifu University Hospital, Gifu, Japan)
- 2) How to diagnose from the report of urinary organic acids analysis
Yuki Hasegawa(Department of Pediatrics, Matsue Red Cross Hospital, Matsue, Japan)
- 3) A brief guide for interpretation of amino acid profiles
Go Tajima(Division of Neonatal Screening, Research Institute, National Center for Child Health and Development, Tokyo, Japan)
- 4) Early diagnosis of adrenoleukodystrophy
Nobuyuki Shimozawa(Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan)

Practical Education Seminar 9

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

Palliative care for children with severe neurological conditions 2020

- 1) Introduction to pediatric palliative care
Momoko Sasazuki(Faculty of Health and Welfare, Seinan Jogakuin University, Kitakyushu, Japan)

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2) symptoms management

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

3) Ethical issues in decision-making for children with serious neurological conditions

Momoko Sasazuki (Faculty of Health and Welfare, Seinan Jogakuin University, Kitakyushu, Japan)

4) The practice of advance care planning

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

5) Family Support

Mari Matsuoka (Human Health Science, Graduate School of Medicine, Kyoto University, Kyoto, Japan)

Practical Education Seminar 10

Chair: Shinji Saitoh (Nagoya City University Graduate School of Medical Sciences)

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

7th Genetics Education Seminar

1) The seventh genetics education seminar: interpretation of exome sequencing

Takanori Yamagata (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

Hitoshi Osaka (Department of Pediatrics, Jichi Medical School, Shimotsuke, Japan)

Yasunari Sakai (Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

Takahito Wada (Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan)

Kyoko Takano (Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan)

English Session 1

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

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

1) Incidence of epilepsy and related factors in children with basal ganglia and thalamic lesion

Shizuka Nishimoto (Department of Pediatric Neurology, Bobath Memorial Hospital, Osaka, Japan)

2) Evaluating the cortical functional connectivity in Cdk15 KO mice by in vivo wide-field Ca²⁺ imaging

Teruyuki Tanaka (Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

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- 3) Real world of developmental changes of GABA receptor and AMPA receptor in epilepsy treatment
Kenji Sugai (Department of Child Neurology, National Center of Neurology and Psychiatry)
- 4) Heart rate variability for apneic seizures in infants
Shinsuke Maruyama (Division of Neurology, The Hospital for Sick Children, Toronto, Canada)
- 5) Pathological network of hysarrhythmia secondary to perinatal MCA ischemic stroke
Hiroharu Suzuki (The Division of Neurology, The Hospital for Sick Children, Toronto, Canada)

English Session 2

Chair: Yo Niida (Center for Clinical Genomics, Kanazawa Medical University Hospital)
Tokiko Fukuda (Hamamatsu University School of Medicine)

- 6) Impaired autophagy system in Neuronal ceroid lipofuscinoses type 6
Kiwako Tsukida (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)
- 7) Intrathecal (IT) Administration of AVXS-101 IT Gene Therapy for Spinal Muscular Atrophy (STRONG)
Richard Finkel (Division of Neurology, Department of Pediatrics, Nemours Childrens Hospital, Orlando, Florida, USA)
- 8) Onasemnogene Apeparvovec Gene Therapy for Spinal Muscular Atrophy Type 1: Phase 3 US (STRIVE) Update
Douglas Sproule (AveXis, Inc., Bannockburn, IL, United States)
- 9) The Value Of Onasemnogene Apeparvovec Gene Therapy For SMA1
Omar Dabbous (AveXis, Inc., Bannockburn, IL, United States)

English Session 3

Chair: Toshiyuki Yamamoto (Institute of Medical Genetics, Tokyo Women's Medical University)
Toshiki Takenouchi (Keio University)

- 10) Age-dependent alternative splicing (ADAS) establishes the juvenile transcriptome in the brain
Masaki Mori (Molecular Neuroscience Research Center, Shiga University of Medical Science, Shiga, Japan)
- 11) Late-onset seizures and cerebellar ataxia associated with CHD2 mutation.
Koyuru Kurane (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)
- 12) A male patient with an *IQSEC2* deletion comparing with a female case of the same variant
Kazuyuki Nakamura (Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan)
- 13) Compound heterozygous PIGO mutations in a boy with Fryns syndrome
Taro Okuda (Department of Pediatrics, Mie University Graduate School of Medicine, Mie, Japan)

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- 14) Gait characteristics in children with Williams syndrome: A three-dimensional gait analysis study

Yuji Ito (Department of Pediatrics, Aichi Prefecture Mikawa Aotiori Medical and Rehabilitation Center for Developmental Disabilities, Aichi, Japan)

English Session 4

Chair: Akira Oka (Department of Pediatrics, The University of Tokyo)

Shinji Saitoh (Nagoya City University Graduate School of Medical Sciences)

- 15) Pathogenesis of congenital neuromuscular disease with uniform type 1 fiber and central core disease

Masashi Ogasawara (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan)

- 16) Validity of the anti-NMDAR encephalitis clinical diagnostic criteria on Japanese pediatric patients

Hiroya Nishida (Developmental Immunology Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

- 17) Mild Phenotypic features associated with non-truncating UBE3A mutations in Angelman syndrome

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

- 18) Cellular model of 1q21.1 deletion and duplication syndrome using human ES - derived neuronal cells

Yoshiko Nomura (Department of Mental Biology, RIKEN Center for Brain Science, Saitama, Japan)

- 19) Adeno-associated virus vector-based gene therapy in a mouse model of Niemann-Pick disease type C

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

English Session 5

Chair: Yukitoshi Takahashi (National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders)

Tetsuro Nagasawa (Raffles Japanese Clinic, Paediatrics)

- 20) Interaction of RANBP2 causing autosomal dominant acute necrotizing encephalopathy with COX11

Akiko Shibata (Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

- 21) Factors of the recurrence seizure in children with multiple seizure in a single episode of fever

Yayoi Murano (Department of Pediatrics, Toshima Hospital, Tokyo, Japan)

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22) A teenager with central nervous system graft-versus-host disease after bone marrow transplantation

Ryunosuke Goto (Department of Pediatrics, the University of Tokyo Hospital, Tokyo, Japan)

23) Globus pallidus internus deep brain stimulation (GPi-DBS) for a boy of *NKX2-1*-related disorder

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

English Session 6

Chair: Takanori Yamagata (Jichi Medical University Department of Pediatrics)

Tatsuya Koeda (Department of Psychosocial Medicine, National Center for Child Health and Development)

24) A comprehensive genetic study in a cohort of intellectual disability by whole genome sequencing

Chihiro Abe (Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan)

25) Shank3 organizes the postnatal development of inhibitory circuit in the thalamocortical connectivity

Sayaka Okuzono (Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

26) A questionnaire survey on the treatments for cerebral palsy due to preterm bilirubin encephalopathy

Yukihiro Kitai (The Department of Child Neurology, Bobath Memorial Hospital, Osaka, Japan)

27) White matter tract abnormalities in children with reactive attachment disorder

Shinichiro Takiguchi (Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, Japan)

28) An 8-year-old boy with orthostatic dysregulation presented slow wave bursts by orthostatic challenge

Takahiro Abiko (Pediatrics, Yamagata University Faculty of Medicine)

English Session 7

Chair: Yasuhiro Takeshima (Hyogo College of Medicine, Department of Pediatrics)

Yonekawa Takahiro (Department of Pediatrics, Mie University School of Medicine)

29) Brain image phenotyping to predict developmental prognosis in Fukuyama congenital muscular dystrophy

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

30) Treatment Patterns and Outcomes in Patients With SMA Collected From the RESTORE Registry

Marcus Droege (AveXis, Inc., Bannockburn, IL, United States)

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31) Burden of Illness of Spinal Muscular Atrophy Type 1 (SMA1)

Marcus Droege(AveXis, Inc., Bannockburn, IL, United States)

32) Early signs of Danon disease in boys: Asymptomatic ECG abnormalities and high serum CK levels

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

33) Health Outcome Improvements in SMA1 Patients With Onasemnogene Aporavovec Gene Therapy

Omar Dabbous(AveXis, Inc., Bannockburn, Illinois, USA)

Best Oral Award 1

Chair: Takao Takahashi(Dept Pediatrics, Keio Univ Sch of Med)

Hideo Yamanouchi(Department of Pediatrics,, Comprehensive Epilepsy Center, Saitama Medical University Hospital)

1) Frequency and prognosis of AESD by duration of convulsion in children with febrile seizures

Shoichi Tokumoto(Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Hyogo, Japan)

2) Usefulness of quantitative susceptibility mapping(QSM) in SEGA of Tuberous sclerosis

Naoko Yano(Kyoto University, Kyoto, Japan)

3) The long-term clinical features of early-onset FSHD

Kenshiro Tabata(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Kodaira, Tokyo, Japan)

4) A survey on pediatric onset dystonia in Center of Neurology and Psychiatry

Taira Toki(Center of Neurology and Psychiatry, Tokyo, Japan)

5) Regulatory role of ATP1A3 in translation, cell growth, and survival

Hikaru Kanemasa(Departments of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

Best Oral Award 2

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

Katsuhiko Kobayashi(Department of Child Neurology, Okayama University Graduate School)

1) The time to diagnosis in spinal muscular atrophy

Masanori Ito(Department of Child Neurology, National Center of Neurology and Psychiatry of 4-1-1 Ogawa-Higashi, Kodaira, Tokyo, Japan)

2) Evaluation of epileptic activity at the onset of West syndrome by using simultaneous EEG-fMRI

Yuki Maki(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

3) Efficacy and safety of zonisamide therapy in patients with paroxysmal kinesigenic dyskinesia

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

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Japan)

4) Strategy of treatment for Wilson disease with neurologic symptoms from nationwide survey in Japan

Ayumi Hayashi (Department of Pediatrics, Graduate School of Toho University School of Medicine, Tokyo, Japan)

5) ADSSL1 myopathy develops progressive leg weakness, ventilatory defect, dysphagia and cardiomyopathy

Yoshihiko Saito (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

Oral Presentation 1

Chair: Masaya Kubota (NCCHD)

Hiroshi Arai (Bobath Memorial Hospital)

O-001 A case of abdominal wall tic that was difficult to differentiate from involuntary movements

Yuri Dowa (Department of Neurology, Gunma Children's Medical Center, Shibukawa, Gunma, Japan)

O-002 Efficacy and safety of zonisamide therapy in patients with paroxysmal kinesigenic dyskinesia

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

O-003 The usefulness of lacosamide for paroxysmal kinesigenic dyskinesia

Gen Furukawa (Department of Pediatrics, Toyokawa City Hospital, Toyokawa, Japan)

O-004 GPi-DBS is effective for patients with DYT1 dystonia: a five cases report

Atsuko Arisaka (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

O-005 Deep brain stimulation of the globus pallidus internus is effective for pediatric GNAO1 patients.

Hideaki Mashimo (The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

O-006 A family of episodic ataxia type 1 with KCNA1 gene mutation

Morimasa Shima (Osaka University Department of Pediatrics, Osaka, Japan)

O-007 A survey on pediatric onset dystonia in Center of Neurology and Psychiatry

Taira Toki (Center of Neurology and Psychiatry, Tokyo, Japan)

Oral Presentation 2

Chair: Hideaki Kanemura (Department of Pediatrics, Toho University Medical Center Sakura Hospital)

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

O-008 Five pedigrees with aminoacyl-tRNA synthetases

Nobuhiko Okamoto (Department of Medical Genetics, Osaka Women's and Children's Hospital, Izumi, Osaka, Japan)

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- O-009 Developmental and epileptic encephalopathy in a boy with IQSEC2 variant
Ryosuke Tanaka(Department of Pediatrics, Asahikawa Medical University,
Asahikawa, Japan)
- O-010 A case of COL4A1-related disorder diagnosed by exome sequencing at adult period.
Risa Nakao(Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)
- O-011A case of duplication of 2q24 region revealed by CNV analysis using the second generation
sequencer
Sachiko Tanifuji(National Epilepsy Center, Shizuoka Institute of Epilepsy and
Neurological Disorders, Shizuoka, Japan)
- O-012Clinical characteristics of 29 patients with CDKL5 encephalopathy
Yu Kobayashi(Department of Child Neurology, Nishi-Niigata Chuo National Hospital,
Niigata, Japan)
- O-013 Is "trance-like state" in infants with hypothalamic hamartoma an epileptic seizure? a case
report.
Shimpei Baba(Department of Child Neurology, Seirei Hamamatsu General Hospital,
Hamamatsu, Japan)

Oral Presentation 3

- Chair: Masafumi Morimoto(School of Nursing, Kyoto Prefectural University of Medicine)
Tohru Okanishi(Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)
- O-014 Effect of everolimus on epilepsy associated with tuberous sclerosis complex.
Naoko Ishihara(Department of Pediatrics, Fujita Health University School of
Medicine, Toyoake, Japan)
- O-015 A case of tuberous sclerosis showed Late-onset epileptic spasms
Masaharu Ohfu(Division of Pediatrics, Nanbutokusyuukai Hospital, Okinawa, Japan)
- O-016 Efficacy of high-dose immunoglobulin therapy for epileptic encephalopathy with CSWS: a
case study
Kaoru Yamamaoto(Department of Neurology, Saitama Children's Medical Center,
Saitama, Japan)
- O-017 Blood level change of oral phenobarbital in changing dosage form between syrup and powder
Keiko Yanagihara(Department of Pediatric Neurology, Osaka Women 's and Children '
s Hospital)
- O-018 Insufficient Efficacy of Corpus Callosotomy for Epileptic Spasms with Biphasic Muscular
Contractions
Sotaro Kanai(Division of Child Neurology, Institute of Neurological Sciences, Faculty
of Medicine, Tottori University, Yonago, Japan)
- O-019 Survey to doctors on the treatment for statue epilepticus in children
Kenjiro Kikuchi(Division of Neurology, Saitama Children's Medical Center, Saitama,
Japan)

Oral Presentation 4

Chair: Hideo Enoki(Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

Ryoko Honda(National Hospital Organization Nagasaki Medical Center)

O-020 Effect of ACTH vs. vigabatrin for patients with epileptic spasms and focal seizures

Yuko Hirata(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

O-021 Response to adrenocorticotrophic hormone therapy in Infantile spasms in the recent 12 years

Atsuro Daida(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

O-022 West syndrome NHO-Japan 512 case early treatment study: long-term seizure outcome of 3rd treatment

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

O-023 Efficacy of ACTH therapy of Epileptic Spasms without Hypsarrhythmia

Hitomi Hayashi(Department of Pediatrics , Fukuoka University , Fukuoka , Japan)

O-024 Infection during adrenocorticotrophic hormone therapy in the recent 12 years

Hiroaki Wakamatsu(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

O-025 Thyroid and Adrenocortical functions during weekly ACTH therapy

Hirokazu Kurahashi(Department of Pediatrics, Aichi Medical University)

Oral Presentation 5

Chair: Shinichi Hirose(Department of Pediatrics, School of Medicine, Fukuoka University)

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

O-026 Two cases of Angelman syndrome diagnosed with high voltage slow wave EEG after acute encephalopathy

Harutaka Saijo(Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)

O-027 A girl with a neurodevelopmental disorder associated with 13q13.3 microdeletion involving NBEA.

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

O-028 Genotype-phenotype correlation in 3p13 deletion encompassing FOXP1

Naoto Nishimura(Division of Medical Genetics, Kanagawa Children 's Medical Center, Yokohama, Japan)

O-029 Decreased tonic inhibition in the cortex causes neurologic symptoms in Angelman syndrome model mice

Kiyoshi Egawa(Pediatric Department, Hokkaido University, Sapporo, Japan)

O-030 A case of FBXL4-related mitochondrial disease presenting with a mild phenotype

Mayu Tahara(Department of Pediatrics, Jikei University school of Medicine, Tokyo,

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Japan)

O-031 A case of X-linked SMA caused by UBA1 gene mutation

Tomonori Kadowaki(Department of Pediatrics, National Hospital Organization,
Nagara Medical Center, Gifu, Japan)

Oral Presentation 6

Chair: Yuji Inaba(Nagano Children's Hospital)

Ai Hoshino(Department of Developmental Medical Sciences Graduate School of Medicine,
The University of Tokyo)

O-032 Genome-wide association study for AESD identifies new candidate loci

Mariko Kasai(Department of Developmental Medical Sciences Graduate School of
Medicine, The University of Tokyo, Tokyo, Japan)

O-033 Recent treatment patterns and variations for pediatric acute encephalopathy in Japan

Itaru Hayakawa(Division of Neurology, Department of Medical Subspecialties,
National Center for Child Health and Development, Tokyo, Japan)

O-034 Clinical features of febrile infection-related epilepsy syndrome (FIRES) in two distinct
cohorts

Asako Horino(Department of Brain Development and Neural Regeneration, Tokyo
Metropolitan Institute of Medical Science, Tokyo)

O-035 Frequency and prognosis of AESD by duration of convulsion in children with febrile seizures

Shoichi Tokumoto(Department of Neurology, Hyogo Prefectural Kobe Children's
Hospital, Hyogo, Japan)

O-036 A case of 13 trisomy who exhibited multiple cerebral hemorrhage associated with severe
hMPV.

Moriei Shibuya(Miyagi Children's Hospital, Miyagi, Japan)

Oral Presentation 7

Chair: Joji Imataka(Dokkyo Medical University)

Yu Tsuyusaki(Kanagawa children's medical center)

O-037 A case of acute encephalopathy with callosal and thalamic lesions

Tamayo Ishikawa(Omihachiman Community Medical Center, Shiga, Japan)

O-038 Prognostic value of MR spectroscopy in patients with acute excitotoxic encephalopathy

Kentaro Sano(Department of Pediatrics, Tokyo women's university Yachiyo medical
center, Chiba, Japan)

O-039 Comparison of cases with corpus callosum lesions and with corpus callosum and white
matter lesions

Mitsuru Kashiwagi(The Department of Pediatrics, Hirakata City Hospital, Osaka,
Japan)

O-040 A new entity of acute encephalopathy with delayed bilateral hippocampal lesions

Erika Yuasa(Department of Pediatrics, Saiseikai Utsunomiya Hospital, Utsunomiya,
Japan)

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O-041 The study of serial MR image and clinical course with CLCN2 related leukoencephalopathy (CC2L)

Atsushi Imamura(Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan)

O-042 FA in DTI and 6-12 months outcome in acute encephalopathy with reduced subcortical diffusion

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

Oral Presentation 8

Chair: Masaharu Hayashi: School of Nursing, College of Nursing and Nutrition, Shukutoku University

Tomonari Awaya(Kyoto University, Graduate School of Medicine)

O-043 Tumorigenesis in SETD2 disorder: Luscan-Lumish syndrome

Yuri Sakaguchi(Division of Neurology, Tokyo Metropolitan Childrens Medical Center, Tokyo, Japan)

O-044 A CNS relapse of pre-B ALL with widespread brain lesions and varied clinical manifestations

Shuhei Fujino(Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

O-045 A case of osteoid osteoma in a 5 year old boy with abnormal gait and muscle atrophy

Manaka Matsunaga(Pediatrics, Minami Kyushu National Hospital, Kagoshima, Japan)

O-046 A case report of subtotal cerebellar agenesis

Michiko Kawai(Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)

O-047 Development of the human accessory olivary nuclei: A morphometric and 3D-reconstruction study

Katsuyuki Yamaguchi(Department of Pathology, Dokkyo Medical University)

Oral Presentation 9

Chair: Junichi Takanashi(Tokyo Women's Medical University Yachiyo Medical Center)

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

O-048 Multimodality MR imaging and analysis in 4 TSC patients.

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

O-049 Usefulness of head MRI for giant congenital melanocytic nevi

Hiroko Taguchi(Neurocutaneous Center, Keio University Hospital, Tokyo, Japan)

O-050 Usefulness of quantitative susceptibility mapping(QSM) in SEGA of Tuberous sclerosis

Naoko Yano(Kyoto University, Kyoto, Japan)

O-051 A case of multisystemic smooth muscle dysfunction with ACTA2 mutation

Tetsuo Kubota(Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)

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O-052 Age estimation from pediatric brain MRI using deep learning

Masahiro Kawaguchi(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

O-053 Central pontine myelinolysis in a 8-year-old girl with Diabetic Ketoacidosis

Shinichiro Tsurukawa(Department of Pediatrics, National Hospital Organization Maizuru Medical Center, Kyoto, Japan)

Oral Presentation 10

Chair: Hideaki Shiraishi(Department of Pediatrics, Hokkaido University Hospital)

Yoshimi Kaga(Dept. of developmental disorders, National institute of Mental health, NCNP)

O-054 EEG abnormalities in children with autism spectrum disorder

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

O-055 EEG for the management of Neurodevelopmental Disorders

Mari Akiyama(Department of Child Neurology, Okayama University Hospital, Okayama, Japan)

O-056 The relationship between severity of seizure and electroencephalogram in Panayiotopoulos syndrome

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

O-057 Evaluation of epileptic activity at the onset of West syndrome by using simultaneous EEG-fMRI

Yuki Maki(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

O-058 Analysis of Phase-Amplitude Coupling : An Aicardi syndrome case with epileptic spasms

Yasushi Iimura(The Department of Neurosurgery, Juntendo University, Tokyo, Japan)

O-059 Electroencephalogram findings in children with fulminant myocarditis

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

Oral Presentation 11

Chair: Nobuyuki Shimozawa(Division of Genomics Research, Life Science Research Center, Gifu University)

Muneaki Matsuo(Department of Pediatrics, Saga University, Faculty of Medicine)

O-060 Medical implementation of early diagnosis of adrenoleukodystrophy by insurance treatment

Nobuyuki Shimozawa(Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan)

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- O-061 A six-year-old chinese female case of GA1 with bilateral striatal lesions on MRI.
Shodo Hirano(Osaka Women's and Children's Hospital , Japan)
- O-062 Clinical evaluation of ALD children with visual symptoms
Kazuo Kubota(Department of Pediatrics, The Graduate School of Medicine, Gifu University, Gifu, Japan)
- O-063 Clinical study of 25 cases with childhood cerebral adrenoleukodystrophy suspected of ASD or ADHD
Hiroki Kawai(Division of Genomics Research , Life Science Research Center , Gifu University , Gifu , Japan)
- ~~O-064~~ Siblings of late infantile neuronal ceroid lipofuscinosis with hypertrophic cardiomyopathy
Wataru Matsumura(Department of Pediatrics, National Hospital Organization Matsue Medical Center, Matsue, Japan)
- O-065 Early diagnosis and treatment of Niemann-Pick disease type C using NPC diagnosis support system.
Kenshi Sei(The Department of Pediatrics, Kawaguchi Municipal Medical Center, Kawaguchi, Japan)

Oral Presentation 12

- Chair: Katsunori Fujii(Chiba University Graduate School of Medicine)
Tomohiro Chiyonobu(Department of Pediatrics, Kyoto Prefectural University of Medicine)
- O-066 An infant case of erythromelalgia with purpura
Tsukasa Higuchi(The Department of General Pediatrics, Nagano Children's Hospital, Azumino, Japan)
- O-067 A case of a 10 year-old girl with three episodes of idiopathic facial paralysis.
Akito Horikawa(Department of Pediatrics, Matsudo City General Hospital, Chiba, Japan)
- O-068 A boy with CIDP and a favorable response to scheduled intravenous immunoglobulin therapy
Kousuke Yonemoto(Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)
- O-069 A Case of Acute Flaccid Myelitis Requiring Long-Term Ventilation Management
Yugo Tsukada(Ibaraki Children's Hospital, Ibaraki, Japan)
- O-070 Clinical and genetic analysis of 66 patients with Charcot-Marie-Tooth disease phenotype
Kazuhiro Haginoya(Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan)

Oral Presentation 13

- Chair: Iori Ohmori(Okayama University, Dept. of Education, Special needs education)
Ryoichi Sakuta(Child Development Psychosomatic Medicine Center, Dokkyo Medical University Saitama Medical Center)
- O-071 Impairment of parenting behaviors in an epileptic rat with Cacna1a mutation
Iori Ohmori(Department of Special Needs Education, Okayama University, Okayama,

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Japan)

O-072 The survival analyses of physiological indices among children and adolescents with eating disorders.

Ryoko Otani(Child Development and Psychosomatic Medicine Center, Dokkyo Medical University Saitama Medical Center, Saitama, Japan)

O-073 Study of basal metabolic rate and body composition of female adolescents with anorexia nervosa

Akari Arakawa(Child Development and Psychosomatic Medicine Center, Dokkyo Medical University Saitama Medical Center, Saitama, Japan)

O-074 A 12-year-old girl with paroxysmal sympathetic hyperactivity followed by intractable epilepsy

Ryoji Taira(Department of Pediatrics, Kyushu University Hospital, Fukuoka, Japan)

O-075 Assessment of behavioral attributes using SDQ in pediatric patients with intractable headache.

Hideki Shimomura(Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Hyogo, Japan.)

Oral Presentation 14

Chair: Gaku Yamanaka(Department of Pediatrics and Adolescent Medicine)

Shin Nabatame(Graduate School of Medicine, Osaka University)

O-076 Recurrent cerebral infarction and systemic organ symptoms in a child suspected of ACTA2 mutation

Keita Kanamori(The Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)

O-077 An infant case of subarachnoid hemorrhage due to ruptured intracranial aneurysm

Kanako Noda(Department of Pediatrics, Japanese Red Cross Kyoto Daini Hospital, Kyoto, Japan)

O-078 Extracellular matrix abnormalities in vascular endothelial cells of moyamoya disease

Muneaki Matsuo(Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)

O-079 Postoperative choreoathetosis in a case of 3-year-old girl

Miyuki Toyono(Akita Prefectural Center on Development and Disability, Akita, Japan)

O-080 A case of moyamoya disease developed chorea 8 years after revascularization.

Tatsuharu Sato(The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)

O-081 Muscle hypertony after the treatment for hydrocephalus from shunt failure: A report of 3 cases

Yu Tsuyusaki(Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)

Oral Presentation 15

Chair: Yukitoshi Ishikawa(NHO Yakumo National Hospital)

Ayako Hattori(Nagoya City University, Department of Pediatrics and Neonatology)

O-082 The ACTN3 null genotype is related to early onset of dilated cardiomyopathy in DMD patients

Masashi Nagai(Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

~~O-083~~ Four cases of muscular dystrophy detected by incidentally discovered hyperCKemia

Takuro Ito(NTT-East Sapporo Hospital, Sapporo, Japan)

O-084 Relationship between motor function and cardiac function of Duchenne muscular dystrophy patients.

Rina Yamashita(Department of pediatrics, Jichi Medical University)

O-085 Novel dystrophin isoform associated with ECG abnormalities of DMD patients

Masafumi Matsuo(Research Center for Locomotion Biology, Kobe Gakuin University, Kobe, Japan)

O-086 Renal function evaluation in advanced stage duchenne muscular dystrophy patients

Takahiro Motoki(Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan)

Oral Presentation 16

Chair: Kazuhiro Haginoya(Miyagi Children's Hospital)

Shuhei Ide(Tokyo Metropolitan Kita Medical and Rehabilitation Center for the disabled, Jonan Branch)

O-087 Study of 21 cases that introduced intrathecal baclofen therapy.

Kentarou Sano(Department of Child neurology, Chiba Rehabilitation Center, Chiba, Japan)

O-088 A report of eleven cerebral palsy cases treated with constraint-induced movement therapy

Tsuru Hisashi(Department of Pediatrics, National Hospital Organization Minamikyushu National Hospital, Aira, Japan)

O-089 The broad possibilities of botulinum therapy and the role of pediatric neurologist

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

O-090 Respite care for children with severe motor and intellectual disabilities in university hospital.

Saoko Takeshita(Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)

O-091 The approach to increased muscle tone of patients with severe motor and intellectual disabilities

Akito Watanabe(Toyonaka Municipal Hospital, Osaka, Japan)

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O-092 Athetoid type diplegia who improved gross motor and manual ability with intrathecal baclofen therapy

Mitsuko Ishii(Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba,Japan)

Oral Presentation 17

Chair: Koichi Maruyama(Aichi Developmental Disability Center Central Hospital)

Yukihiro Kitai(Bobath Memorial Hospital)

O-093 Factors affecting of patients changing hospital with SMID in respite .

Yasutaka Toriyama(Department of Pediatrics,Tokyo Metropolitan Kita Medical and Rehabilitation Center for The Disabled,Tokyo,Japan)

O-094 survey on issues of support for pediatric home care for multiple occupations

Seigo Korematsu(Nakatsu Municipal Hospital, Oita, Japan)

O-095 Temporal change of cerebral palsy children's medical necessity.

Hirokazu Yamagishi(Department of pediatrics, Jichi Medical University)

O-096 Robot-assisted training using small-sized Hybrid Assistive Limb for children with motor disabilities

Mayumi Kuroda(Department of Physical Therapy, Ibaraki Prefectural University of Health Sciences hospital, Ibaraki, Japan)

O-097 Switch from enzyme-inducing antiepileptic drugs to new antiepileptic drugs in patients with epilepsy

Takashi Ichiyama(Department of Pediatrics, Tsudumigaura Medical Center for Children with Disability, Yamaguchi, Japan)

Oral Presentation 18

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

Michio Fukumizu(Segawa Memorial Neurological Clinic for Children)

O-098 Iron treatment for the patients with decreased ferritin level in neurological clinic for children

Michio Fukumizu(Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

O-099 Kampo treatment and possible action mechanism for restless legs syndrome in a child and her mother

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

O-100 Serum IGF-1 levels as a maker of improvement of sleep disorders

Shigemi Kimura(Children's Rehabilitation,Sleep&Development Medical center, Hyogo Prefectural Central Rehabilitation Hospital, Kobe, Japan)

O-101 Clinical course of Narcolepsy in children

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

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O-102 Therapy of pediatric restless legs syndrome

Yuri Nagao(Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

Oral Presentation 19

Chair: Toshiyuki Iwasaki(Department of Pediatrics, Kitasato University School of Medicine)

Kuriko Shimono(United Graduate School of Child Development, Osaka University)

O-103 Biochemical characteristics of vitamin B6 dependent epilepsies

Tomoyuki Akiyama(Department of Child Neurology, Okayama University, Okayama, Japan)

O-104 Clinical presentations of childhood absence epilepsy in our hospital.

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

O-105 Antiepileptic drug therapy for ADHD children with epileptiform EEG abnormalities.

Kuniaki Iyoda(Fukuyama Support Center of Development and Care for Children, Fukuyama, Japan)

O-106 Study of seizure recurrence after a first unprovoked seizure

Shinya Nomura(Mitoyo General Hospital Pediatrics)

O-107 Predictive factors of Hemiconvulsion-hemiplegia-epilepsy syndrome

Hazuki Nonoyama(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

O-108 Are there benign infantile epilepsy with neurodevelopmental disorder or motor and mental retardation

Kosuke Tsuchida(Hakodate Municipal Hospital, Hakodate, Japan)

O-109 Epilepsy and intellectual development in children with hydrocephalus

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

Oral Presentation 20

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

Takafumi Sakakibara(Department of Pediatrics, Nara Medical University, Nara, Japan)

O-110 Epilepsy surgery for patients with severe motor and intellectual disorders

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

O-111 Cases of subsequent surgery due to unilateral epileptiform discharge on EEG after callosotomy

Tetsuya Ueda(University of Juntendo, Tokyo, Japan)

O-112 Stereotactic radiofrequency thermocoagulation for behavioral disorder due to hypothalamic hamartoma

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

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O-113 Clinical manifestations and MRI and SSEP findings of 25 children with syringomyelia at single center

Rikako Takeda(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

O-114 Two cases of cerebral cavernous malformations in the cerebellar vermis with slow progression.

Yuka Hattori(Department of Pediatrics, Takatsuki General Hospital, Osaka, Japan)

O-115 The evaluation of simple sacral dimple with magnetic resonance imaging (MRI)

Akihito Takahashi(Department of Pediatrics, Kurashiki Central Hospital, Kurashiki, Japan)

Oral Presentation 21

Chair: Mizue Iai(Kanagawa Children's Medical Center)

Seigo Korematsu(Nakatsu Municipal Hospital)

O-116 A case of epilepsy and autism whose deterioration recovered after discontinuation of Lisperidone.

Kuniko Ida(National Epilepsy Center,Shizuoka Institute of Epilepsy and Neurological Disorders,Shizuoka,Japan)

O-117 Support Activities by Kurashiki regional pediatricians' group for medical care children

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

O-118 An analysis of the effect of picture-book storytelling by means of NIRS and heart rate variability

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

O-119 Children with neurodevelopmental characteristics in public schools in Hakodate

Kazutoshi Takahashi(Yuaikai Ishikawa Developmental Clinic)

O-120 Prognosis of junior high school students with school refusal and developmental disorders

Yuko Hayashi(Department of Pediatrics, Medical Center, Faculty of Health and Welfare, Prefectural University of Hiroshima, Mihara, Japan)

O-121 Prognosis of developmental functional dysarthria in our hospital

Masako Isaka(Department of Rehabilitation, Nishinomiya Kaisei Hospital, Nishinomiya-shi, Japan)

Oral Presentation 22

Chair: Hiroaki Nagase(Division of General Pediatrics Department of Pediatrics Kobe University Graduate School of Medicine)

Akie Miyamoto(Department of Pediatrics, Asahikawa Habilitation Center for Disabled Children)

O-122 Leader-follower trait of children with ASD in the triadic jumping task

Sayaka Ishii(Department of pediatrics, University of Yamanashi, Yamanashi, Japan)

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- O-123 Prognostic survey of children with ASD visited a specialized rehabilitation institution
Mio Nishimura(Nikoniko-House Medical Welfare Center, Japan)
- O-124 The relation between attention and pupil dilation of children with ASD in face recognition tasks
Yuka Murofushi(Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)
- O-125 A Cohort study for early detecting ASD by assessing preferential-looking behavior
Tatsuya Koeda(Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)
- O-126 Tympanic deep body temperature as a biomarker of autism spectrum disorders; The 4th report.
Tomohiro Nakayama(Department of Pediatrics, Ibaraki Prefectural University of Health Sciences, Ami, Japan)
- O-127 Stress marker, dROMs, correlates with CRP, antioxidants and PRL values in patients with ASD
Toshiaki Hashimoto(Japanese Red Cross Tokushima Hinomine Rehabilitation Center for People with Disabilities, Tokushima, Japan)

Oral Presentation 23

- Chair: Hiroko Tada(Division of Pediatrics, Chibaken Saiseikai Narashino Hospital)
Tomoyuki Akiyama(Department of Child Neurology, Okayama University)
- O-128 Glial activation marker in encephalitis/encephalopathy
Takeshi Matsushige(Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan)
- O-129 Clinical prediction rule for sequela and AESD in children with febrile status epilepticus
Masahiro Nishiyama(Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)
- O-130 Validation of the usefulness of AESD prediction score in patients with febrile status epileptics
Yusuke Ishida(Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)
- O-131 Hemorrhagic shock and encephalopathy syndrome with hypertension and tachycardia in acute phase
Rei Inoue(Department of Pediatrics, Hirakata city hospital, Osaka, Japan)
- O-132 Acute disseminated encephalomyelitis with a medullary lesion in the early and requiring ventilation
Yuiko Tani(Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)
- O-133 A comparative study of clinical features of AESD by first seizure duration
Hiroshi Yamaguchi(Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan)

Oral Presentation 24

Chair: Mitsuru Kashiwagi(Hirakata City Hospital)

Tadashi Shiohama(Department of Pediatrics, Chiba Graduate School of Medicine)

O-134 Acute encephalopathies complicated with disseminated intravascular coagulation

Hiroshi Matsumoto(Department of Pediatrics, National Defense Medical College Hospital, Tokorozawa, Japan)

O-135 Examination of the pathophysiology of MERS in acute focal bacterial nephritis.

Hiroko Tada(Devision of Pediatrics, Chibaken Saiseikai Narashino Hospital, Devision of Pediatrics, Chiba, Japan)

O-136 Predicting prognosis by serum cytokine in febrile seizure

Kazumi Tomioka(Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

O-137 Long term outcomes of children with seizure and/or impaired consciousness accompanied by fever.

Daisaku Toyoshima(Department of Neurology, Kobe Children's Hospital, Hyogo, Japan)

O-138 The clinical feature of adeno virus-associated encephalitis/ encephalopathy: interim report

Mika Nakazawa(Department of Pediatrics, Sanikukai Hospital)

O-139 Efficacy of hypothermia therapy in patients with AESD

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

Oral Presentation 25

Chair: Hiroshi Sakuma(Dept of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science)

Hiroyuki Torisu(Fukuoka Dental College)

O-140 The clinical course of anti-MOG associated encephalomyelitis

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

O-141 A case of CLIPPERS treated with rituximab

Yu Abe(Department of Pediatrics, Tohoku University School of Medicine)

O-142 Recurrent autoimmune encephalitis induced by nivolumab in a boy with leptomenigeal melanomatosis

Makoto Nishioka(Division of Pediatric Neurology, Nagano Children's Hospital, Nagano, Japan)

~~O-143~~ A retrospective analysis of anti-MOG antibody positive cases

Takako Matsuoka(Child Brain Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

O-144 A case of MOG antibody-positive ADEM developing neurological symptoms after prolonged fever.

Hiroo Tani(Department of Pediatrics, Hiroshima University Hospital, Hiroshima,

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O-145 Matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in autoimmune encephalitis

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

Oral Presentation 26

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

Kazuhiro Muramatsu(Jichi Medical University, Dept. of Pediatrics)

O-146 Effect of training using Hybrid Assistive Limb in a child with post-acute necrotizing encephalopathy

Kayo Tokeji(Department of Pediatrics, Ibaraki Prefectural University of Health Sciences Hospital, Japan)

O-147 Analysis of rasmussen syndrome cases with focal cortical dysplasia

Masataka Fukuoka(The department of pediatrics, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

O-148 A patient diagnosed as Multiple sclerosis due to recurrent measurement of oligoclonal bands

Yutaro Tomi(Department of Pediatrics, Toho University Ohashi medical center, Tokyo, Japan)

O-149 MicroRNA biomarkers research for acute encephalitis with refractory, repetitive partial seizures

Ai Hoshino(Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

O-150 Clinical features and outcomes of anti-N methyl-D-aspartate receptor encephalitis in children.

Ken Nakajima(Osaka Women's and Children's Hospital)

O-151 Assessment of treatment outcome in children with anti-NMDA receptor encephalitis.

Yoshiyuki Kobayashi(Hiroshima University Hospital, Hiroshima, Japan)

Oral Presentation 27

Chair: Yasutoshi Koga(Department of Pediatrics and Child Health, Kurume University School of Medicine)

Norikazu Shimizu(Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center)

~~O-152~~ Therapeutic drug of sodium pyruvate for metabolic acidosis associated with mitochondrial disorders

Yasutoshi Koga(Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan)

O-153 Mitochondria DNA depletion syndrome showing developmental improvement with 5-aminolevulinic acid

Erika Ogawa(The Department of Pediatrics and Child Health, Nihon University, Tokyo,

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- O-154 A case of patient with meningeal tumor, difficult to distinguish from MELAS
Yoshiki Oitani(Department of Pediatrics, Tokyo Women's Medical University Medical Center East, Tokyo, Japan)
- O-155 Frequency of Kayser-Fleischer rings in Wilson disease patients diagnosed in childhood
Miku Hattori(TOHO University Ohashi Medical Center, Tokyo, Japan)
- O-156 Strategy of treatment for Wilson disease with neurologic symptoms from nationwide survey in Japan
Ayumi Hayashi(Department of Pediatrics, Graduate School of Toho university school of medicine, Tokyo, Japan)
- O-157 Two cases of early intravenous fat therapy for neonatal pyruvate dehydrogenase complex deficiency
Takehiko Inui(Department of Pediatric Neurology, Miyagi Childrens Hospital, Miyagi, Japan)

Oral Presentation 28

- Chair: Atsusi Kanei(Department of Pediatrics, Iwate Medical University School of Medicine)
Yusaku Miyamoto(Division of Pediatrics, Kawasaki Municipal Tama Hospital)
- O-158 A case of early onset refractory epilepsy associated with a novel ATP1A3 mutation
Ayaka Ono(Hiroshima City Funairi citizens hospital, Hiroshima, Japan)
- O-159 Agranulocytosis in a patient treated with lamotrigine
Hiroaki Ono(The Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan)
- O-160 A girl with brain tumor-related epilepsy suspected of facial tic disorder at onset
Keisuke Nishimura(Department of Pediatric, Osaka City University Graduate School of medicine, Osaka, Japan)
- O-161 A case of Rett syndrome with rhythmic myoclonus of her upper limbs combined with atypical absence
Maki Saito(Division of Pediatric Neurology, Nagano Children's Hospital, Nagano, Japan)
- O-162 A case of nonconvulsive status epilepticus in myoclonic epilepsy with ragged red fibers (MERRF)
Maya Asami(National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan.)
- O-163 A case of infant botulism, which showed a generalized slow wave-forming in the EEG.
Eisuke Kondo(Department of Pediatrics, Kawasaki Medical School, Okayama, Japan)

Oral Presentation 29

- Chair: Yasunari Sakai(Department of Pediatrics, Kyushu University)
Naoko Ishihara(Department of Pediatrics, Fujita Health University School of Medicine)

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- O-164 A small-scale open-labeled study of curcumin on Pelizaeus-Merzbacher disease
Ken Inoue(Dept. Mental Retardation & Birth Defect Research, National Institute of Neuroscience, NCNP, Kodaira, Japan)
- O-165 *POLR3A* variants in striatal involvement without diffuse hypomyelination
Takuya Hiraide(Department of Biochemistry, Hamamatsu University School of Medicine, Hamamatsu, Japan)
- O-166 A new form of autosomal recessive cerebellar ataxia caused by a novel PMPCA mutation
Yoko Takahashi(Center for Postgraduate Education and Training, National Center for Child Health and Development, Tokyo, Japan)
- O-167 Regulatory role of ATP1A3 in translation, cell growth, and survival
Hikaru Kanemasa(Departments of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)
- O-168 Clinical analysis of pediatric neurological diseases for which exome sequencing was performed
Ikumi Hori(Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)
- O-169 Characteristics of Japanese fragile X syndrome patients
Tetsuya Okazaki(Department of Clinical Genetics, Tottori University Hospital, Yonago, Japan)
- O-170 Two cases of Joubert syndrome initially presenting with paroxysmal eye deviation
Tomoko Mizuno(The Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan)

Oral Presentation 30

- Chair: Hiroyuki Kidokoro(Nagoya University Graduate School of Medicine)
Tetsuo Kubota(Department of Pediatrics, Anjo Kosei Hospital)
- O-171 Clinical predictive factors of periventricular leukomalacia in late-onset circulatory collapse
Yohane Miyata(Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan)
- O-172 Assessment of electroencephalogram in preterm infants of 24-29 weeks postmenstrual age
Tatsuya Fukasawa(Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)
- O-173 Prognostic value of MRI for developmental outcome in infants with hypoxic-ischemic encephalopathy
Masaharu Tanaka(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- O-174 Umbilical cord blood cell therapy for neonatal hypoxic-ischemic encephalopathy: a pilot study
Masahiro Tsuji(Department of Food and Nutrition, Kyoto Womens University, Kyoto, Japan)

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O-175 The significance of the assessment for visual and fine motor skills in prematurely born babies

Kyoko Hirasawa(The Department of Pediatrics, Tokyo Women's Medical)

O-176 Outcome of extremely low birth weight babies

Keiko Koterazawa(Himeji City Center for the Disabled)

Oral Presentation 31

Chair: Takashi Shiihara(Gunma Children's Medical Center)

Mitsumasa Fukuda(Tokyo Metropolitan Neurological Hospital)

O-177 Use of antipyretics for preventing febrile seizure recurrence in children: A systematic review
Risa Hashimoto(Center for Postgraduate Education and Training, National Center for Child Health and Development, Tokyo, Japan)

O-178 The current situation and issues of Japanese children with epilepsy in overseas

Tetsuro Nagasawa(The Department of Paediatrics, Raffles Japanese Clinic, Singapore, Singapore)

~~O-179~~ Clinical findings in patients with febrile seizures during influenza infection

Motoko Ogino(Department of Pediatrics, Hirakata City Hospital, Hirakata, Osaka, Japan)

O-180 Telemedicine for epilepsy

Hideo Enoki(Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)

O-181 Electroencephalogram for children of febrile seizure

Ayuko Igarashi(Pediatrics, Juntendo University, Tokyo, Japan)

O-182 Predictors of Recurrent Febrile Seizures During the Same Febrile Illness in Children

Jun Kubota(Department of Pediatrics, Atsugi City Hospital, Kanagawa, Japan)

O-183 The transition from the pediatrics to an adult course begins since first consultation

Naomi Hinofukuyo(The Department of pediatrics, Tohoku University School of Medicine, Sendai, Japan)

Oral Presentation 32

Chair: Toshio Saito(National Hospital Organization Osaka Toneyama Medical Center, Division of Child Neurology)

Tomoko Lee(Department of Pediatrics, Hyogo College of Medicine)

O-184 Safety of nusinersen in Japan: An interim analysis of a post marketing surveillance and safety data

Toshie Devereaux(Medical, Biogen Japan Ltd., Tokyo, Japan)

O-185 Evaluation methods for nusinersen efficacy on SMA patients with impaired gross motor function

Kotaro Yuge(Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan)

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O-186 Longer-term assessment of nusinersen treatment in children with later-onset spinal muscular atrophy

Kayoko Saito(Institute of Medical Genetics, Tokyo Womens Medical University, Tokyo, Japan)

O-187 SUNFISH Part 2: Efficacy and safety of risdiplam in patients with Type 2 or non-ambulant Type 3 SMA

Kayoko Saito(Institute of Clinical Genomics, Tokyo Women's Medical University, Tokyo, Japan)

O-188The time to diagnosis in spinal muscular atrophy

Masanori Ito(Department of Child Neurology, National Center of Neurology and Psychiatry of 4-1-1 Ogawa-Higashi, Kodaira, Tokyo, Japan)

O-189 Feasibility of fluoroscopy-guided intrathecal treatment with nusinersen in difficult cases

Yasuhiro Kawai(Kanagawa Childrens's Medical Center)

Oral Presentation 33

Chair: Keiko Ishigaki(Department of Pediatrics, Tokyo Women's Medical University)

Hiroyuki Awano(Department of Pediatrics, Kobe University Graduate School of Medicine)

O-190 A female case of congenital myasthenic syndrome with compound heterozygous variants in CHRND gene

Hidehito Kondo(The Department of Pediatrics, Kyoto Daiichi Red Cross Hospital)

O-191 The long-term clinical features of early-onset FSHD

Kenshiro Tabata(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Kodaira, Tokyo, Japan)

O-192 Urine titine in patients with neuromuscular diseases and inborn error of metabolism

Tomoko Lee(Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan)

O-193 Effectiveness of tendonectomy for equinovarus in Emery-Dreifuss muscle dystrophy.

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

O-194 ADSSL1 myopathy develops progressive leg weakness, ventilatory defect, dysphagia and cardiomyopathy

Yoshihiko Saito(Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-195 High-velocity nasal insufflation in the treatment of respiratory failure on neurological disorders

Yoshihiro Watanabe(Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)

Oral Presentation 34

Chair: Takahito Wada(Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine)

Nobuhiko Okamoto(Osaka Women's and Children's Hospital)

- O-196 A boy with MAGEL2 mutation presenting of acute encephalopathy and cerebellar atrophy
Masato Hiyane(The department of pediatrics, Okinawa red cross hospital, Naha, Japan)
- O-197 A 1 year-old boy with hearing loss who was early diagnosed as Noonan syndrome
Junko Hotta(Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan)
- O-198 Aicardi-Goutiere syndrome due to an IFIH1 mutation :A report of 40 years old man
Maki Nozaki(Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)
- O-199 A case of UBTF mutation with neurodegeneration and involuntary movements in childhood
Chizuru Ikeda(Department of Pediatrics, Kumamoto Saishun Medical Center, Kumamoto, Japan)
- O-200 Two siblings diagnosed as Joubert syndrome with the CEP290 specific variant for Arima syndrome.
Daisuke Uda(The Department of Pediatrics, Kyoto First Red Cross Hospital, Kyoto, Japan)
- O-201 A family with spinocerebellar ataxia
Michiko Makino(Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)
- O-202 Gait deviations in patients with Dravet syndrome: A three-dimensional gait analysis study
Takeshi Suzuki(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

Oral Presentation 35

Chair: Mitsugu Uematsu(Department of Pediatrics, Tohoku University Hospital)

Shin-ichiro Hamano(Division of Neurology, Saitama Children's Medical Center)

- O-203 Utility of Tc-99m HMPAO SPECT in infancy with acute cerebellar ataxia
Tomoshiro Ito(Department of Pediatrics, Sapporo city General Hospital, Sapporo,)
- O-204 Neuromyelitis optica spectrum disorders presenting hypersomnia, without optic neuritis nor myelitis
Anna Shiraki(Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- O-205 Prevention of recurrence in pediatric patients for positive anti MOG antibodies
Mitsuji Moriya(The Sendai City Hospital, Sendai, Japan)
- O-206 A 2-year-old girl with MOG antibody associated disease presenting cranial mononeuropathy.
Saori Kawakami(Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- O-207 A 1-year-old boy with brain abscess caused by Fusobacterium nucleatum
Haruka Yuki(Department of Pediatrics Matsudo City General Hospital Children's

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Medical Centre)

O-208 MRI Findings in Children with Congenital CMV Infection Retrospectively Diagnosed with Umbilical Cord

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

Oral Presentation 36

Chair: Tetsuhiro Fukuyama(Division of Neonatology and Developmental Medicine, Shinshu University School of Medicine)

Atsushi Imamura(Gifu Prefectural General Medical Center)

~~O-209~~ A case of micturition epilepsy

Nanako Nishiguchi(Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)

O-210 A case of the right arm paresis and oromotor deficit associated with CSWS

Yoshitaka Mitsui(Kanazawa medical university,Kanazawa,Ishikawa)

O-211 A case of HHE syndrome in which refractory seizures disappeared after hemispherotomy

Ryuta Tanaka(The Department of Pediatrics, Ibaraki Children's Hospital, Mito, Japan)

O-212 Dysphagia as an adverse effect of perampanel caused repeated aspiration pneumonias

Naohisa Fujita(Department of Pediatrics, Kanazawa University, Ishikawa, Japan)

O-213 A girl who developed a dissociative disorder after an epileptic seizure

Syuji Hashimoto(St. Marianna University School of Medicine, Yokohama City Seibu Hospital,Kanagawa,Japan)

O-214 A patient of frontal lobe epilepsy with an atypical ictal symptom

Kenji Inoue(Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

Oral Presentation 37

Chair: Jun Natsume(Nagoya University)

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

O-215 Lacosamide as initial and early add-on therapy for children with focal epilepsy

Hiroki Hoshino(Department of Pediatrics, Toho University, Sakura Medical Center, Chiba, Japan)

O-216 Efficacy and tolerability of lacosamide in pediatric patients with intractable epilepsy

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

O-217 Efficacy and safety of lacosamide in children aged ≤ 16 years with focal epilepsy

Satoshi Mizutani(Osaka Women's and Children's Hospital, Osaka,Japan)

O-218 Lacosamide blood concentration and EEG changes in treatment for childhood epilepsy

Atsuko Oba(Department of Pediatrics, The Jikei University Kashiwa Hospital, Kashiwa,Japan)

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O-219 Efficacy of Perampanel in our department

Tomohiro Fujii(National Hospital Organization Shikoku Medical Center for Children and Adults, Kagawa Prefecture, Japan)

O-220 Effect of Lorazepam on pediatric status epilepticus

Naohiro Yamamoto(Center of Child and Adolescent Epilepsy, Department of Pediatric)

Oral Presentation 38

Chair: Masao Kawatani(Department of Pediatrics, Faculty of Medical Sciences, University of Fukui)

Yukifumi Monden(Department of Pediatrics)

O-221 Efforts to eliminate waiting for first visits by doctors specializing in developmental disorders

Masumi Inagaki(Department of Developmental Disorders, National Institute of Mental Health, NCNP, Tokyo, Japan)

~~O-222~~ Characteristics of visual cognition of premature infants and neurodevelopmental disorders.

Kinya Hidaka(Deguchi Pediatric Clinic, Nagasaki, Japan)

O-223 Significance of 'developmental disorder conference' at a pediatric department

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

O-224 Study for development of lexicon-concept link by a match-mismatch method -3

Katsuo Sugita(Chiba Municipal Child-Development Center, Chiba & Japan)

O-225 An interim analysis of post-marketing investigation on guanfacine tablets for the treatment of ADHD

Risa Hioki(Postmarketing Surveillance and Pharmacoepidemiology Department, Shionogi Pharmacovigilance Center Co, Ltd, Osaka, Japan)

Oral Presentation 39

Chair: Masumi Inagaki(Department of Developmental Disorders, National Institute of Mental Health, NCNP)

Kyoko Hirasawa(Dept.of Pediatrics, Tokyo Women's Medical University)

O-226 Follow-up study of VLBW and ELBW children assessed by M-CHAT at 18 to 24 months of age

Noriko Yamaoka(Correspondence Course of Nursing, Kobe Tokiwa University, Kobe, Japan)

O-227 A study about the efficacy of the reading aloud instruction for children with developmental dyslexia

Yuki Sekido(Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

O-228 Relationship between coordination and behavior/emotional problems in developmental dyslexia

Makio Oka(Departments of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University Hospital,

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Okayama, Japan)

O-229 First attempt in Miyagi about 5 years old child development examination; Pilot survey in TMM Project

Tomoko Kobayashi(Division of Child Development, Department of Preventive Medicine and Epidemiology, Tohoku Medical Megabank Organization, Tohoku University)

O-230 Which Neurodevelopmental Disorders is strongly associated with Soft Neurological Sign?

Keitaro Sueda(Child Psychiatry, Sapporo Child Physical & Mental Health Care Center, Sapporo, Japan)

Oral Presentation 40

Chair: Kazuhiro Shiraishi(Utano National Hospital)

Terumi Murakami(Department of Neurology, NHO Higashisaitama National Hospital)

O-231 Considering diagnostic announcement by a survey for parents of myotonic dystrophy patients

Minobu Shichiji(Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

O-232 Actigraphy is valid for motor function assessment of Fukuyama congenital muscular dystrophy

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

O-233 Effectiveness of high frequency oscillation for intratracheal mucus removal in neuromuscular disease

Hiroyuki Awano(Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan)

O-234 Changes in medical care for Becker dystrophy patients in specialized institutions from 1999 to 2013

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

Oral Presentation 41

Chair: Yuko Motohashi(National Center of Neurology and Psychiatry)

Reiko Arakawa(National Center for Global Health and Medicine)

O-235 Changes in gross motor function by nusinersen treatment in spinal muscular atrophy (SMA) type I

Mikiko Hasegawa(Department of Rehabilitation, Dokkyo Medical University Saitama Medical Center,Saitama,Japan)

O-236 Experience of nusinersen treatment of 8 cases of spinal muscular atrophy in our hospital

Shizuka Nagase(Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

O-237 Impact of Nusinersen on communication means in spinal muscular atrophy type 1

Kentaro Kawamura(Toseikai Healthcare Corporation, Life-long Care Clinic Sapporo

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for Disabled People, Sapporo, Japan)

O-238 FIREFISH Part 2: Efficacy and safety of risdiplam in infants with Type 1 spinal muscular atrophy

Yasuhiro Takeshima(Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan)

O-239 A case of SMA diagnosed by umbilical DNA and treated by Nusinersen on 8th day from birth.

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

O-240 Efficacy evaluation of Nusinersen for spinal muscular atrophy type1/2 using bioelectrical impedance

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

Poster Presentation 1

Chair: Atsushi Sato(Department of Pediatrics, The University of Tokyo Hospital)

P-001 A case report of neurodevelopmental disorder with STAG1 mutation

Yukiko Osawa(Department of Pediatrics, Tama-Hokubu Medical Center, Tokyo, Japan)

P-002 Five individuals with *SYNGAP1*-related intellectual disability

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

P-003 Study of children with neurofibromatosis type I with epilepsy

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

P-004 A girl with intellectual disability and microcephaly has the new nonsense mutation in CHAMP1

Yuta Asakura(Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

P-005 Modelling neurodevelopmental disorders caused by impaired ribosome biogenesis using *Drosophila*

Akari Takai(Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan)

~~P-006~~ A case of acute encephalopathy without RAMBP mutation mimicking familial and recurrent ANE (ANE1)

Eri Ohashi(Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)

Poster Presentation 2

Chair: Kazuyuki Nakamura(Department of Pediatrics, Faculty of Medicine, Yamagata University)

P-007 A case of Ohtahara syndrome due to CASK gene mutation

Fumio Ichinose(Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)

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P-008 A case of LTBL with a novel EARS2 mutation

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

P-009 Legius syndrome with subependymal heterotopia

Tatsuro Kumaki (Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan.)

P-010 A case of Andersen-Tawil syndrome associated with a KCNJ2 mutation

Jun Seito (Department of Pediatrics, Chiba University Graduate School of Medicine)

P-011 Primrose syndrome caused by *ZBTB20* mutation with recurrent otitis media and IgG2 deficiency

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

P-012 A case of Inherited GPI deficiencies with mild mental retardation and congenital duodenal atresia

Kentaro Shirai (Department of Pediatrics, Tsuchiura Kyodo Hospital, Tsuchiura, Japan)

Poster Presentation 3

Chair: Hiroshi Matsumoto (National Defense Medical College Hospital)

P-013 A case of anti MOG antibody ADEM with irritability

Aiko Sugiura (Toyonaka City Hospital, Osaka, Japan)

P-014 Effect of rituximab for maintenance of remission in a patient with anti-MOG antibody-positive NMO

Kei Wakabayashi (Department of Pediatrics, Jichi medical university, Tochigi, Japan)

P-015 A case of NMO-SD left with bladder and rectal disorder despite plasma exchange therapy

Hiroto Ida (The Department of Pediatrics, University of Tokyo Hospital, Tokyo, Japan)

P-016 Lymphocyte subsets in pediatric neurological diseases

Sato Suzuki (Division of neurology, National Center for Child Health and Development, Tokyo, Japan)

P-017 A case of acute flaccid myelitis developing temporary cardiac dysfunction and sinus arrest

Atsuo Morisaki (Matsudo General City Hospital Children's Medical Center Department of Pediatrics)

P-018 A case of abducens neuritis after zoster-associated meningitis

Yui Minohata (Pediatrics of Otsu Red Cross Hospital, Shiga, Japan)

Poster Presentation 4

Chair: Kazuya Itomi (Aichi Children's Health and Medical Center)

P-019 A case of childhood onset myasthenia gravis complicated with ulcerative colitis

Kazuya Itomi (The Department of Neurology, Aichi Children's Health and Medical Center, Obu, Japan)

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- P-020 Correlation of clinical features and nerve conduction study in acute flaccid myelitis
Kohei Shimada(Department of Pediatrics, University of the Ryukyus, Okinawa, Japan)
- P-021 A pediatric case of acute flaccid myelitis with enterovirus D68 detected in the cerebrospinal fluid
Toshihiko Iwaki(Department of Pediatrics, Gifu Prefectural Tajimi Hospital, Tajimi, Japan)
- P-022 Peripheral neuropathy of acute flaccid myelitis in 2018
Marie Noda(Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan)
- P-023 Parainfluenza virus 3 outbreak in children (individuals) severe motor and intellectual disabilities
Kozue Mori(National Hospital Organization Toyama Hospital, Toyama, Japan)
- P-024 An infant with acute flaccid myelitis and spinal epidural hematoma: Are the two related?
Taku Nakagawa(Department of Pediatrics, Japanese Red Cross Society Himeji Hospital, Himeji city, Japan)
- P-025 Six cases of late-onset mild limbic encephalitis and sleep disorder associated with influenza virus
Takuji Nakamura(Department of Pediatrics, National Hospital Organization Ureshino Medical center, Ureshino, Japan)

Poster Presentation 5

Chair: Shiro Ozasa(Pediatrics, Kumamoto University Hospital)

- P-026 A case of Laing distal myopathy which required differentiation from Charcot-Marie-Tooth disease
Mariko Ishihara(Pediatrics, Shiga medical center for children, Shiga, Japan)
- P-027 Clinically different severity in siblings with Fukuyama congenital muscular dystrophy
Tomoko Sakamoto(Akita Prefectural Center on Development and Disability, Akita, Japan)
- P-028 Clinical course of Fukuyama congenital muscular dystrophy in MD-specialized institutions in Japan.
Terumi Murakami(Institute of Clinical Research / Department of Neurology, National Hospital Organization Higashisaitama National Hospital, Hasuda, Saitama, Japan)
- P-029 X linked myotubular myopathy complicated with liver dysfunction
Kenji Inoue(Shiga Medical Center for Children, Shiga, Japan)
- P-030 Sudden cardiopulmonary arrest in a 12-year-old girl with nemaline myopathy
Yuri Shibata(Sano Kosei General Hospital, Sano, Japan)
- P-031 A successful case of UCMD treated with spinal fusion and respiratory rehabilitation
Sadao Nakamura(Department of Pediatrics, University of the Ryukyus, Okinawa, Japan)

Poster Presentation 6

Chair: Konomi Shimoda(Department of Pediatrics, University of Tokyo,Tokyo,Japan)

P-032 A case of UBTF mutation with Parkinsonism, myoclonus and regression after infection at 3 years old

Konomi Shimoda(Department of Pediatrics, University of Tokyo,Tokyo,Japan)

P-033 FA2H novel mutation: a spastic paraplegia 35 case with characteristic findings on brain MRI
Masahiro Ishii(The Department of Pediatrics, University of Occupational)

P-034 Estimating secular changes in childhood-onset Alexander disease with seizures

Tomokatsu Yoshida(Department of Neurology, Graduate School of Medical Science,
Kyoto Prefectural University of Medicine, Kyoto, Japan)

P-035 Sibling cases of Pol3-related leukodystrophies with POLR3K mutation.

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

P-036 Ketogenic diet therapy for epilepsy in infantile Alexander disease: 3 cases

Takafumi Sakakibara(Department of Pediatrics, Nara Medical University, Nara, Japan)

P-037 A case of SENDA followed-up as complications of influenza encephalopathy

Koichi Tanda(The Department of Pediatrics,Japanese Red Cross Kyoto Daiichi
Hospital,Kyoto,Japan)

Poster Presentation 7

Chair: Taku Omata(Division of Child Neurology, Chiba Children's Hospital)

P-038 A case of suspected Rasmussen syndrome: refractory epilepsy developing after vaccination.

Keisuke Watanabe(The Department of Pediatrics, Akita University Hospital, Akita,
Japan)

P-039 MOGAb associated encephalitis and optic neuritis with decreased blood perfusion of parietal lobe

Haruki Mori(Matsudo City General Hospital Children's Medical Centre, Chiba, Japan)

P-040 Unilateral optic neuritis in a girl with anti-NMDA receptor encephalitis

Shinichi Magara(Department of Pediatrics, Niigata City General Hospital, Niigata,
Japan)

P-041 MOG-antibody spectrum disorder treated with plasma exchange: a case report

Yoshimichi Hirayama(Pediatrics,Naha city hospital,Okinawa,Japan)

P-042 A case of recurrent immune-mediated cerebellar ataxia treated with mPSL pulse therapy and rituximab

Minako Ide(Pediatrics, Hyogo prefectural amagasaki general medical center, Hyogo,
Japan)

P-043 A case of anti-MOG antibody associated encephalomyelitis, performed electrophysiological evaluation

Masahide Mitsuma(Department of Pediatrics, JCHO Isahaya General Hospital,
Isahaya, Japan)

Poster Presentation 8

Chair: Kaori Miyama(Japanese Redcross Medical Center)

P-044 Cortical dysplasia over the multiple lobes following FLP for TTTS

Kaori Miyama(The department of pediatrics, Japanese Redcross Medical center, Tokyo, Japan)

P-045 A retrospective study of high-dose phenobarbital therapy in our NICU

Toshikazu Hayashiya(Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

P-046 A case of the vein of Galen varix with spontaneous improvement

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

P-047 A neonatal case of COL4A1 mutation with extensive cerebral ischemia.

Takao Morimune(The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

P-048 Visual cognitive function in patients with periventricular leukomalacia using WISC IV

Aki Kawakami(Tokyo Metropolitan Bokutoh Hospital)

P-049 35 cases of neonatal seizure

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

Poster Presentation 9

Chair: Yoji Ikuta(Department of Pediatrics, Showa General Hospital)

Yoji Ikuta(Showa General Hospital, Department of Pediatrics)

P-050 Clinical features of ring chromosome 14 syndrome in Japan.

Yoji Ikuta(Showa General Hospital, Department of Pediatrics)

P-051 Three patients in a Japanese family with Kleefstra syndrome and distinct phenotypes

Michiko Torio(Department of Pediatrics, Graduate school of Medical Science, Kyushu University, Fukuoka, Japan)

P-052 Miller-Dieker syndrome presenting with gastrointestinal dysfunction

Azusa Ikeda(Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)

P-053 Overlap of Kabuki and Turner syndrome with partial Xp deletion encompassing KDM6A gene.

Yu Kakimoto(Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan)

P-054 A case of del(18)(q12.2q21.1)syndrome.

Yuka Nishizawa(The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

P-055 Analysis of chromosome structural variations using long-read sequencing

Taichi Imaizumi(Department of Pediatrics, St. Marianna Medical University, Kawasaki, Japan)

Poster Presentation 10

Chair: Saoko Takeshita(Department of Pediatrics, Yokohama City University Medical Center)

P-056 A case presenting with sudden onset of dysphagia due to glossopharyngeal and vagal nerve palsy

Nozomi Sano(Department of Pediatrics,National Hospital Organization)

P-057 Acute autonomic and sensory neuropathy accompanied with acute encephalopathy.

Eri Ogawa(Tokyo Metropolitan Children's Medical Center, Department of Pediatric Neurology, Tokyo, Japan)

P-058 A case of CIDP that can avoid aseptic meningitis due to IVIg by introducing SCIG

Tomoko Matsubayashi(The Department of neurology, Shizuoka Children's Hospital, Shizuoka, Japan)

P-059 Electrophysiologic tests could be useful for the diagnosis of Andersen-Tawil syndrome.

Yu Katata(Department of Pediatrics, University of Tohoku, Sendai, Miyagi, Japan)

P-060 Skeletal muscle images of the patients with neuromuscular diseases followed in our outpatient clinic

Yusuke Ito(Department of Pediatrics, Hamamatsu University of Medicine, Hamamatsu, Japan)

P-061 The clinical feature of pediatric CIDP and the usefulness of peripheral nerve ultrasonography.

Hideaki Mashimo(The department of neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

Poster Presentation 11

Chair: Hideaki Mashimo(The department of neuropediatrics, Tokyo Metropolitan Neurological Hospital)

P-062 A case of Lesch-Nyhan syndrome performed tooth extraction for self mutilation

Toshiyuki Shinozaki(Nihonkai General Hospital, Yamagata, Japan)

P-063 A case of GM2 gangliosidosis with temporal head MRI and SPECT

Asako Arai(The Department of Pediatrics, Todachuo General Hospital, Saitama, Japan)

P-064 Questionnaire survey on attitude toward gene therapy for glucose transporter 1 deficiency

Hidetsugu Nakatsukasa(Department of pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

P-065 A case of SSADH deficiency with acute encephalopathy-like symptoms

Atsuna Fukuda(Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan)

P-066 Two cases of Lesch-Nyhan syndrome whose self-injury symptoms were well-controlled by medication

Hajime Ikehara(Kimitsu Chuo Hospital, department of pediatirics, Kisarazu, Chiba, Japan)

P-067 A Case of Glucose Transporter-1 Deficiency Treated with Ketone Diet from Early Infants

Yukako Yae(Department of pediatrics and child health, Kurume university school of

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medicine, Fukuoka, Japan)

Poster Presentation 12

Chair: Takehiko Inui(Miyagi Children's Hospital)

P-068 Long-term follow-up in patients with mitochondrial disease in our institute

Mitsuo Motobayashi(Department of Rehabilitation, Nagano Children's Hospital, Azumino, Japan)

P-069 A case of tyrosine hydroxylase deficiency characterized by hypotonia and oculogyric crisis

Ryo Sato(Department of Neurology, Miyagi Children's Hospital, Miyagi, Japan)

P-070 Report of three patients diagnosed D-bifunctional protein deficiency.

Hikari Kaba(Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)

P-071 Clinical features in a boy with neuronal ceroid lipofuscinoses due to CLN8 mutation

Ken Ito(Jikei University school of medicine, Tokyo, Japan)

P-072 A case of Pyruvate Dehydrogenase Complex (PDHC) Deficiency with recurrent facial nerve paralysis

Tsuyoshi Matsuoka(Division of Child Neurology and Child psychiatry, Okinawa Prefectural Nanbu Medical Center and Children 's Medical Center)

P-073 A case of Leber's hereditary optic neuropathy with positive HSV-IgM antibody during acute phase

Koichi Minami(Department of Pediatrics, Wakayama Medical University, Wakayama, Japan)

Poster Presentation 13

Chair: Shingo Oana(Tokyo Medical University Hachioji Medical Center, Department of Pediatrics)

P-074 2 cases of Inherited GPI(Glycosyl-Phosphatidyl-Inositol) Deficiency

Shingo Oana(The Department of Pediatrics, Tokyo Medical University Hachioji Medical Center)

P-075 Clinical characteristics of early infantile epileptic encephalopathy with KCNQ2 gene mutation

Ayako Yamamoto(Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)

P-076 repeated convulsion during fever with Xq22.1-3 duplication, suspected PCDH19 related disease

Kenji Uematsu(The Department of Pediatrics, National Defense Medical College, Saitama, Japan)

P-077 Current state of febrile seizures in Sendai City Hospital under 2015 JSCN guideline

Taro Kitamura(Division of Pediatrics, Sendai City Hospital, Sendai, Japan)

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P-078 *MECP2* duplication syndromes complicated with epilepsy associated with anti-GluR antibodies

Takako Fujita(Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan)

P-079 A case of corpus callosotomy for epilepsy in a patient with CDKL5 mutation

Kohei Haraguchi(Department of Pediatrics, Sasebo City General Hospital, Sasebo, Japan)

Poster Presentation 14

Chair: Shinichi Magara(Department of Pediatrics, Niigata City Hospital)

P-080 Seizure aggravation with sodium channel blockers in a boy with focal epilepsy

Haruka Takami(Jikei University, Tokyo, Japan)

P-081 A retrospective analysis of patients with epilepsy administered levetiracetam in our department

Miki Inutsuka(Department of Pediatrics, Sasebo Chuo Hospital, Sasebo, Japan)

P-082 Three cases of long-term weekly ACTH therapy in our department.

Hideki Hoshino(Department of Pediatrics , Teikyo University, Tokyo,Japan)

P-083 Evaluation of pharmacokinetics and safety of perampanel fine granules in healthy Japanese subjects

Sari Shiba(Eisai Co., Ltd, Tokyo, Japan)

P-084 Clinical features of discontinuation of antiepileptic drugs in patients with West syndrome

Aiko Nishikawa(Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

P-085 Partial seizure during ACTH therapy in a boy with epilepsy

Yoshitaka Ohta(Department of Pediatrics, Osaka Medical College Hospital, Osaka, Japan)

P-086 ACTH therapy for intractable epileptic spasms except for West syndrome

Takeshi Ono(Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan)

Poster Presentation 15

Chair: Shimpei Baba(Department of Child Neurology, Seirei Hamamatsu General Hospital)

P-087 A study of perampanel for severe motor and intellectual disabilities with refractory epilepsy

Kiyoko Ishii(Fukushima national hospital,Fukushima,Japan)

P-088 Factor of preventive diazepam administration in febrile seizures

Noboru Yoshida(Department of Pediatrics, Juntendo University Nerima Hospital)

P-089 Efficacy and Tolerability of Lacosamide

Shingo Numoto(Department of pediatrics, Aichi Medical University, Nagakute, Japan)

~~P-090~~ Therapeutic effect and side effect of lacosamide

Shugo Misato(Department of Pediatrics, Kameda Medical Center, Chiba, Japan)

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P-091 Japanese subgroup analysis results of long term perampanel adjunctive clinical study for pediatrics

Jun Tohyama(Department of Pediatric Neurology, NHO Nishiniigata Chuo Hospital, Niigata, Japan)

Poster Presentation 16

Chair: Rie Miyata(The Department of Pediatrics, Tokyo-kita Medical Center)

P-092 Change in usage of antiepileptics in recent eight years in our hospital.

Rie Miyata(The Department of Pediatrics, Tokyo-kita Medical Center, Tokyo, Japan)

P-093 Two cases of intractable epilepsy with improved quality of life by arranging antiepileptic drugs

Kayoko Takahashi(Institution for Rehabilitation and Neuro-developmental Intervention for Children, Tokyo, Japan)

P-094 A Study of clinical features on child absence epilepsy

Hisako Yamamoto(Division of Pediatrics, Kawasaki Municipal Tama Hospital, Kanagawa, Japan)

P-095 Epilepsy clinic at the municipal hospital

Yuh Fujiwara(Saiseikai Yokohamashi Nanbu Hospital, Yokohama, Japan)

P-096 Effectiveness of valproic acid and the other antiepileptic drugs in girls with absence epilepsy

Akiko Hiraiwa(Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan)

P-097 Levetiracetam monotherapy of generalized epilepsy in adolescent and young girls

Hiroshi Aiko(Department of Pediatrics, Miyazaki Seikyo Hospital, Miyazaki, Japan)

Poster Presentation 17

Chair: Hideki Hoshino(Teikyo University)

P-098 A case of Landau-Kleffner syndrome with better cognitive outcome after methylpredonisolone pulse

Kohei Nagai(Sizuoka city, Japan)

P-099 Efficacy and safety of EVE based on AEDs in TSC treatment-refractory seizures: EXIST-3 subanalysis

Hiroko Ikeda(NHO Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

P-100 3 cases of children with Dravet syndrome treated with Perampanel

Asami Watanabe(Nagasaki Prefectural Children's Medical Welfare Center, Japan)

P-101 Alteration of cognitive function and behavior after epileptic surgery in childhood

Riyo Ueda(Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan)

P-102 A focal epilepsy with exacerbation of EEG findings and behavioral disorder induced by carbamazepine

Hirokazu Takeuchi(The Jikei University Katsushika Medical Center Department of

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Pediatrics)

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Saki Saeki(Department of Pediatrics, Tsukuba University, Tsukuba, Japan)

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- P-104 6 cases of acute encephalopathy with biphasic seizures and late reduced diffusion
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Toshihiro Nomura(Department of Pediatrics, Kawaguchi Municipal Medical Center, Saitama, Japan)
- P-106 Clinical characteristics of refractory epilepsy after herpes simplex virus encephalitis in childhood
Taiju Hayashi(Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-107 Neurological outcome of Hemorrhagic shock and encephalopathy syndrome from acute MRI images
Ichiro Kuki(Department of Child Neurology, Osaka City General Hospital, Osaka, Japan)
- P-108 A case of cyclic vomiting syndrome developed posterior reversible encephalopathy syndrome
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Satoshi Kajimoto(Pediatrics, Kitano Hospital, Tazuke Kofukai Medical Research Institute, Osaka, Japan)
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Shinobu Fukumura(The Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan)

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- P-111 The Yokukansan Effective Cases for Delay of Speech which do not satisfy the Clinical Criteria of ASD
Shigeru Hanaoka(Matsudo Municipal Center for Child Development, Matsudo City)
- P-112 Altered functional architecture the brain in individuals with Prader-Willi syndrome
Kenichi Yamada(Center for Integrated Human Brain Science, Brain Research Institute, University of Niigata, Niigata, Japan)

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P-113 Research on cognitive function and motor coordination of congenital heart disease

Yuuya Ogawa(Graduate School of Medicine,Kyoto University,Kyoto,Japan)

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

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Lisa Uno(Department of Pediatrics, Support Center for Children with Developmental Disabilities, Toyonaka, Japan)

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Tamami Yano(Department of Pediatrics, Akita University Graduate School of Medicine, Japan)

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Mutsuko Moriwaki(Departmet of Tokyo Metropolitan Health Policy Advisement, Graduate School of Medicine, Tokyo Medical and Dental University, Tokyo, Japan)

P-118 Experienced occupational therapy for a patient of acute flaccid myelitis

Riho Muraoka(Department of Rehabilitation,Kakogawa Central City Hospital, Hyogo, Japan)

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Mioko Mori(Shiga Medical Center for Children)

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Kento Ota(Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan.)

P-121 Retrospective study of low dosage carnitine supplement in severely disabled patients

Yosuke Hosokawa(The Pediatric Neurology,Aichi Developmental Disability Center Central Hospital, Aichi prefecture, Japan)

P-122 Clinical outcomes of laryngotracheal separation in neurologically impaired children

Kazuo Kodama(Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

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Kosuke Nakano(Faculty of Education, Ehime University, Matsuyama, Japan)

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Kakurou Aoyagi(Department of pediatrics, Yamanashi prefectural Akebono medical

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welfare center, Nirasaki-city, Japan)

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Seiko Suzuki(The Department of Pediatrics, Kitakyushu Rehabilitation Center for Children with Disabilities, Kitakyushu, Japan)
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Hideyo Kinugasa(Department of Pediatrics, Tsukuba Gakuen Hospital, Tsukuba, Japan)
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Yumiko Ohno(The Tokyo Children rehabilitation's hospital, Tokyo, Japan)

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- P-129 Two cases of autism spectrum disorder with improved circadian rhythm by atypical antipsychotics.
Hideki Uchikawa(Department of Pediatrics, Eastern Chiba Medical Center)
- P-130 Inhibitory function in children with attention deficit hyperactivity disorder
Yasuko Tsushima(Department of Elementary Education, Shujitsu University, Okayama, Japan)
- P-131 Usefulness of fecal calprotectin for a girl with Crohn's disease and autism
Shohei Kusabiraki(Department of Pediatrics, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan)
- P-132 Relationship between MSPA and PARS in our clinic
Yoichi Tokunaga(Tokunaga Pediatric Clinic, Kitakyushu, Japan)
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Mutsuki Shioda(The survey on the diet of patients with autism spectrum disorder)
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Koichi Nagata(Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Developmental Disability Center, Kasugai, Japan)

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Manabu Saito(Department of Neuropsychiatry, Graduate School of Medicine, Hisosaki University, Hirosaki, Japan)

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

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Mika Matsui(Rehabilitation Center for handicapped children, Kumamoto prefecture, Uki city, Japan)

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Kazue Takagi(Yokohama Central Area Habilitation Center for Children)

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Tatsujiro Oka(Higashiura Heisei Hospital, Awaji, Japan)

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Takeshi Miyamoto(Hamamatsu Medical Center)

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Yusaku Miyamoto(Division of Pediatrics, Kawasaki Municipal Tama Hospital, St. Marianna University School of Medicine, Kawasaki, Japan)

P-144 Survey on patients who need medical care in our hospital

Chizuru Seiwa(Yamagata Prefectural Rehabilitation Center for Children with Disabilities, Kaminoyama, Japan)

P-145 Medical support for children who need medical care at local elementary schools

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

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Takahiro Yamamoto(Department of Disability Medicine, Graduate School of Medicine, Gifu University, Gifu, Japan)

P-147 A case of end-of-life care at home in cooperation with home-visiting child development support

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

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Haruka Okada(Micri kids clinic, Tokyo,Japan)

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Yosuke Miyamoto(Division of Child Neurology, Tottori University, Tottori, Japan)

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Emiko Kobayashi(Department of Pediatrics Gifu Prefectural General Medical Center Gifu Japan)

P-151 Chorea as the first manifestation of systemic lupus erythematosus; two cases report

Chihiro Yonee(Department of Pediatrics, University of Kagoshima, Kagoshima, Japan)

P-152 A case of restless leg syndrome presenting with an acute exacerbation after a long course

Go Takei(Division of Pediatrics, JR Tokyo General Hospital, Tokyo, Japan)

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Daisuke Tajima(Division of Pediatrics, Karatsu Red-Cross Hospital, Saga, Japan)

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P-154 A case of Joubert syndrome with TMEM67 mutation

Takuya Hayashida(Department of Pediatrics, Nagasaki University, Nagasaki, Japan)

P-155 A family of episodic ataxia type II

Hitomi Hino(Regional Medical Play Laboratory, Ehime University Graduate School of Medicine, Ehime, Japan)

P-156 A patient with developmental epileptic encephalopathy from early infancy and a *FGFR3* mutation

Asuka Yamaguchi(Tokyo-Kita Medical Center, Tokyo, Japan)

P-157 A case of infancy-onset Episodic Ataxia Type 2 considered as psychiatric disorders

Natsume Takenori(Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan)

P-158 Therapeutic strategy for pediatric neurological diseases utilizing juvenility-associated lncRNAs.

Takao Morimune(Molecular Neuroscience Research Center, Brain Disease Research Institute, Shiga University of Medical Science, Shiga, Japan)

P-159 Clinical presentation of GM3 synthase deficiency due to *ST3GAL5* variants

Shiena Watanabe(Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan)

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P-160 A patient with Varadi syndrome with mutation of TCTN2 gene who developed epilepsy at 16 years of age

Kozue Kobayashi(Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

P-161 A case of IHRPF2 with intractable epilepsy and prominent delay of myelination

Nobuhiro Ishibashi(The Department of Pediatrics, Nagasaki Medical Center, Nagasaki, Japan)

~~P-162~~ A case of early infantile epileptic encephalopathy with PACS2 heterozygous variant.

Masatoshi Nogita(Department of Pediatrics Juntendo University Faculty of Medicine, Tokyo, Japan)

P-163 Development of on demand long PCR-based next generation clinical resequencing method

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

P-164 a case with 2q microdeletion developed focal epilepsy, infantile spasms and involuntary movements

Shohei Nomura(The department of Pediatrics, Hirakata Municipal Hospital, Osaka, Japan)

P-165 A case of Dravet syndrome diagnosed by genetic testing without frequent status epilepticus

Yuji Takizawa(Department of Pediatrics, Nishisaitama-chuo National Hospital, Tokorozawa, Japan)

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P-166 Mechanism of chromosomal structural abnormalities with increased copy number at both ends

Tomoe Yanagishita(Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

P-167 Early physical therapy intervention for an infant with Wolf-Hirschhorn syndrome: a case report

Yuu Uchio(Department of Rehabilitation, Tokyo Womens Medical University, Tokyo, Japan)

P-168 The experiences of family meetings for rare diseases at Aichi Developmental disability Center

Mie Inaba(Department of clinical genetics, Aichi Developmental disability Center Central Hospital, Aichi, Japan)

P-169 Whole-exome analysis identified Bainbridge Ropers syndrome and enabled to connect with other family

Saeko Sasaki(Pediatrics, Shiga Medical Center for Children, Moriyama, Japan)

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Pinfee Chong(Department of Pediatric Neurology, Fukuoka Children Hospital,
Fukuoka, Japan)

P-171 A Case of Chondrodysplasia punctate patient requiring differentiation of floppy infant

Kaoru Eto(Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

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P-172 Episodic ophthalmoplegia with reduced diffusion of nuclei in a patient with SETX polymorphism

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

P-173 Usefulness of high b-value diffusion weighted images in encephalopathy of hemolytic uremic syndrome

Ryuji Hasunuma(Department of Pediatrics, Chiba University Graduate School of
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P-174 Brain morphology in Rett and Rett-like syndrome

Tadashi Shiohama(Department of Pediatrics, Chiba University Hospital, Chiba, Japan)

P-175 A case of unilateral third cranial nerve palsy with enhancement of the postcontrast brain MRI

Nobiyoshi Sugiyama(The Department Pediatrics, Tokai University school of Medicine,
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P-176 Case of premature infant with cerebral hemorrhage from intrauterine infection by Edwardsiella Tarda

Naoya Higuchi(Saga-Ken Medical Centre Kosikan,Saga,Japan)

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P-177 Zinc deficiency and the efficacy of zinc acetate with severe motor and intellectual disabilities

Makiko Maeda(Saga Handicapped Children's Hospital, Saga, Japan)

P-178 Efficacy of L-carnitine administration for carnitine deficiency of patients with SMIDs taking VPA

Michi Takahashi(Shimada institution for rehabilitation and neurodevelopmental
intervention for children, Tokyo, Japan)

P-179 About the present situation and correspondence of the zinc lack in our hospital

Kenji Ikeda(Koyouen, Kashiwa City, Chiba, Japan)

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P-180 Clinical courses of 8 children with irreversible coma

Michiru Sasaki(Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Yonago, Japan)

P-181 Steroid cover for children with severe motor and intellectual disabilities with panhypopituitarism

Ryosuke Urabe(Department of Pediatrics Teikyo University, School of Medicine, Tokyo, Japan)

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P-182 A case of difficult diagnosis of gliomatosis cerebri with persistent intracranial hypertension

Yoriko Matsuzawa(Department of pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan)

P-183 Two pediatric cases with pineal gland tumor manifesting nonconvulsive seizures

Yuko Ichimiya(Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University)

P-184 A case of Langerhans cell histiocytosis preceded by abduction nerve palsy and facial nerve palsy

Ryo Fujimoto(Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

P-185 Study on Macrocephaly in Nakatsugawa municipal general hospital

Ryosuke Suzui(Pediatrics, Nakatsugawa municipal general hospital, Nakatsugawa, Japan)

P-186 Long term follow up of the patients who underwent endoscopic third ventriculostomy.

Shimpei Matsuda(The Department of Pediatrics, Juntendo University, Tokyo, Japan)

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P-187 Association with developmental dyslexia in neurodevelopmental disorders children

Genrei Ohta(Department of Pediatrics, University of Fukui, Fukui, Japan)

P-188 Depression in children with Learning Disorder

Hikaru Kitahara(Department Of Pediatrics, Osaka Medical College, Osaka, Japan)

P-189 Visual information processing in extremely premature infants with reading disability.

Miho Fukui(Institute for Developmental Brain Research, Osaka Medical College, Osaka, Japan)

P-190 A study on the factors related to Japanese children with reading difficulty

Noriko Nishikura(Department of Pediatrics, Shiga University of Medical Science, Otsu, Japan)

P-191 The investigation of patients presenting with learning difficulty in a general hospital.

Ikuko Hiejima(The pediatrics of Otowa hospital, Rakuwakai, Kyoto, Japan)

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P-192 Visuo-cognitive function and visual-related symptoms in children with handwriting difficulties

Yoko Kado(Department of Psychology, Faculty of Letters, Kansai University, Suita, Japan)

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P-193 Analysis of prophylactic drug treatment in pediatric patient with primary headache.

Sachi Tokunaga(Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan)

P-194 Usefulness of reasonable accommodation in an autistic boy with cyclical vomiting syndrome.

Tatsuo Mori(Pediatrics, Tokushima University Hospital, Tokushima, Japan)

P-195 Headache associated with neurodevelopmental disorder

Naoko Taniguchi(Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan)

P-196 Angiographic diagnosis of Moyamoya disease in an adolescent girl presenting with chronic headache

Kazuhiko Hashimoto(Department of Pediatrics, Shimabara Hospital, Shimabara, Japan)

~~P-197~~ Clinical symptoms of six elementary school students with narcolepsy type 1

Kumi Kato(Ota Memorial Sleep Center, Kanagawa, Japan)

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P-198 Changes in switch operation after administration of Nusinersen in spinal muscular atrophy type 1

Atsuko Roppongi(Gunma Children's Medical Center Rehabilitation)

P-199 A 3 years old girl case of Ullrich disease

Kuniko Uno(Department of Pediatrics, Tokyo Childrens Rehabilitation Hospital, Tokyo, Japan)

~~P-200~~ Examination of muscle biopsy referral patients in 10 years

Hiroto Akaike(The Department of Pediatrics, Kawasaki Medical School, Okayama, Japan)

P-201 Ultrastructural findings in a male case with Ullrich congenital muscular dystrophy.

Rei Urushibata(Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan)

P-202 Cardiac function in Duchenne muscular dystrophy patients with acute chest pain

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

P-203 A case of female dystrophinopathy with mental retardation.

Tomofumi Fukuda(University of Occupational and Environmental Health, Fukuoka,

Japan)

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P-204 Progressive atrophy of diffuse central nervous system in spinal muscular atrophy type 0
Kenichi Maeda(Departments of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)

P-205 Difference in finger tapping motion after Nusinersen in spinal muscular atrophy type1b patient

Mai Tanaka(Department of Pediatrics, University of Tsukuba Hospital, Ibaraki, Japan)

P-206 Intrathecal nusinersen treatment against SMA type 1 after ventriculo-peritoneal shunt placement

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

P-207 The effects of short-term Nusinersen treatment for a 6-year-old-boy with SMA type 2
Hidetoshi Ishigaki(Hamamatsu University School of Medicine, Shizuoka, Japan)

P-208 Five cases of spinal muscular atrophy who started Nusinersen treatment

Mio Watanabe(Department of Neurology, Gunma Children's Medical Center, Gunma, Japan)

P-209 Difference of effect of nusinersen for sibling cases with spinal muscular atrophy

Nobutsune Ishikawa(Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan)

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P-210 Focal cerebral arteriopathy associated with sphenoid sinusitis

Wakaba Endo(Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan)

P-211 A case of hematomyelia caused by arteriovenous malformation revealed by repeated MRI

Hiromi Aoyama(Neurology, Chiba Children's Hospital, Chiba, Japan)

P-212 Stroke in an infant with incontinentia pigmenti.

Daisuke Tanaka(Department of Pediatrics , Jichi Medical University, Tochigi , Japan)

P-213 An advantage of MRI ASL for early detection of Reversible cerebral vasoconstriction syndrome

Tatsuya Yamamoto(The Department of Pediatrics, University of Hirosaki, Hirosaki, Japan)

P-214 Usefulness of arterial wall imaging in primary angiitis of the central nervous system: a case report

Kengo Kora(Department of Pediatric neurology, Hyogo Prefectural Amagasaki Medical

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Center, Hyogo, Japan.)

P-215 Cerebral infarction in a patient with neonatal herpes simplex virus infection limited to the skin.

Yuta Eguchi(Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan)

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P-216 Visiting medical consultation with parents regarding students using special support classrooms

Hiroshi Katsumori(Department of Pediatrics, Kawakita General Hospital, Tokyo, Japan)

P-217 Caretaker's satisfaction with music therapy for children with disabilities

Yukiko Ichida(Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan)

P-218 Investigation backgrounds of children with neurodevelopmental disorder who stopped visiting hospital

Toshino Motojima(Department of Pediatrics, Motojima General Hospital, Gunma, Japan)

P-219 A case of developmental disorder with SLE treated in cooperation with various occupations.

Koji Morita(Department of Neurology, Gunma Children's Medical Center, Gunma, Japan)

P-220 Challenges for children waiting for first medical examination

Hisako Hayashi(Fukui Prefectural Rehabilitation Center for Children with Disabilities)

P-221 The efficacy of consecutive support for persons with developmental disorder from school to working

Takanori Ezoe(Tokyo metropolitan medical center for severely disabled, Tokyo, Japan)

P-222 Needs and Agenda In the Center for developmental disorders

Kuriko Shimono(Department of Pediatrics, Graduate School of Medicine, Osaka University)

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P-223 Carnitine metabolism in a patient with trisomy 18 suffering from chronic renal failure

Kiyotaka Suzuki(Toyohashi Medical Center, Toyohashi, Aichi, Japan)

P-224 A case of methylmalonic acidemia with hemophagocytic lymphohistiocytosis

Fumiya Yamashita(Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)

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P-225 A girl with 5-oxoprolinuria misdiagnosed with cerebral palsy

Mai Yoshida(Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Osaka, Japan)

P-226 A case of Hunter syndrome with severe tracheal stenosis and requiring respiration management

Akira Tamura(Department of Paediatrics Wakayama Medical University, Wakayama, Japan)

P-227 A Wilson disease patient relapsed with neurologic symptoms due to poor medical compliance

Takumi Harada(Oohashi hospital,Toho University)

P-228 Long-term follow-up of a patient with infantile Tay-Sachs disease

Shinichiro Morichi(Department of Pediatrics and Adolescence, Tokyo Medical University, Tokyo, Japan)

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P-229 Efficacy of tacrolimus on recurrent anti-AQP4 antibody positive neuromyelitis optica: a case report

Yusuke Goto(The Department of Pediatrics, Yamanashi Prefectural Central Hospital, Yamanashi, Japan)

P-230 Efficacy of steroid pulse therapy and perampanel in autoimmune epilepsy: case report

Takayuki Mori(The Department of Pediatrics, University of Tokyo Hospital, Tokyo, Japan)

P-231 Two cases of inflammatory demyelinating disease with anti-MOG antibody

Shinpei Abe(The Department of Pediatrics, Juntendo University, Tokyo, Japan)

P-232 Use of diagnostic approach in early treatment of pediatric anti-NMDA receptor encephalitis

Taku Omata(Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

P-233 A case of anti-NMDA receptor encephalitis that was difficult to treat and introduced rituximab

Shiho Saito(Department of Pediatrics, Kochi Medical School, Kochi University, Kochi, Japan)

P-234 Two cases of anti-NMDA receptor encephalitis who showed resistance to first-line therapy

Shinsuke Katou(The Department of Pediatric Medicine, Sapporo medical university, Sapporo, Japan)

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

P-235 Two cases of nonconvulsive status epilepticus with diffusion-weighted MR imaging of the brain

Tomohiro Wakabayashi(The Department of Pediatrics, School of Medicine, Sapporo Medical University)

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- P-236 West syndrome shifted from localization-related epilepsy in a patient with HFM
Yuichi Suzuki(Department of Pediatrics, Fukushima Medical University School of Medicine, Fukushima, Japan)
- P-237 A case of beta-propeller protein-associated neurodegeneration(BPAN)with epileptic spasm.
Sachiko Nakakubo(Department of Pediatrics,Hokkaido University Hospital, Hokkaido, Japan)
- P-238 Characteristics of epilepsy in 10 patients with STXBP1 mutation
Hiroo Omatsu(Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)
- P-239 Study of 12 cases with Breath-Holding spells
Yoshimi Murakami(Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)
- P-240 Characteristics of seizures with human metapneumovirus infection
Kazuyuki Yotsumata(Pediatrics, Kagoshima City Hospital, Kagoshima, Japan)

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- P-241 Two misdiagnosed girls with generalized epilepsy successfully treated by valproate.
Atsushi Arai(Department of Pediatrics, Kitano Hospital, Tazuke Kohukai, Medical Research Institute, Osaka, Japan)
- P-242 Antiepileptic drug withdrawal rate in pediatric epilepsy patients who started treatment
Yuichi Takami(Pediatrics, Japanese Red Cross Society Himeji Hospital, Hyogo, Japan)
- P-243 Vigabatrin therapy for epileptic encephalopathy with neonatal glycine encephalopathy
Yusuke Aoki(Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- P-244 treatment of epileptic spasm in 18 trisomy with ketogenic diet:2 case report
Yumie Tamura(Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan)
- P-245 Effectiveness of peranpanel in a boy with congenital CMV infection and repetitive status epilepticus
Takamasa Kishi(Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan)
- P-246 Efficacy of perampanel for myoclonus in Angelman syndrome
Moemi Hojo(Department of Child Neurology, Nishiniigata Chuo Hospital, Niigata, Japan)

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Chair: Takuya Hiraide(Department of Pediatrics, Hamamatsu University School of Medicine)

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P-247 A boy with neonatal seizures successfully treated with lacosamide.

Yuiko Sato(Department of Pediatrics, Kitano Hospital, Tazuke Kohukai, Medical Research Institute, Osaka, Japan)

P-248 The characteristics of brain diffusion tensor imaging of epileptogenic lesions in tuberous sclerosis

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

P-249 The mGluR5 signaling in reactive astrocytes promotes mossy fiber sprouting for epileptogenesis

Fumikazu Sano(Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine, University of Yamanashi, Yamanashi, Japan)

P-250 Three cases of nonconvulsive status epilepticus

Kyohei Sakaguchi(Pediatrics, University of Nagasaki, Nagasaki, Japan)

P-251 A study of risk factors of seizure recurrence in the patients of focal epilepsy

Yasuo Sunaga(Gunma chuo hospital, Maebashi-shi, Gunma, Japan)

P-252 Clinical features of subcortical bandheterotopia with intractable epilepsy

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

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Chair: Masato Hiyane(Division of Pediatrics Okinawa red-cross hospital)

P-253 Epilepsies presenting with atonic attacks: clinical and electroencephalographic findings

Masafumi Sanefuji(Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan)

P-254 A Case of *CACNA1A*-related epileptic encephalopathy with a characteristic clinical course

Takuya Ueda(Department of Pediatrics, Kakogawa West City Hospital)

P-255 Late-onset epileptic spasms in a male patient with a *CASK* mutation

Tomoko Matsumoto(Department of Pediatrics, Kakogawa West City Hospital)

P-256 A case of abdominal epilepsy

Hiroko Matsushita(Dept.of Pediatrics, Kyoto City Hospital)

P-257 Exploring the methods of sedation during electroretinogram in vigabatrin-exposed patients

Yoshinori Kobayashi(Department of Pediatrics, Kobe City Medical Center General Hospital, Hyogo, Japan)

P-258 A case of focal cortical dysplasia with neoplastic change.

Yoshitsugu Oikawa(Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan.)

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Chair: Mio Watanabe(Department of Neurology, Gunma Children's Medical Center)

P-259 Epilepsy mimickers in an outpatient clinic specialized in pediatric neurology

Akihisa Okumura(Department of Pediatrics, Aichi Medical University, Nagakute,

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Japan)

P-260 What disturbs transition of the patients with pediatric neurological diseases in our hospital?

Atsushi Sato(Department of Pediatrics, University of Tokyo Hospital, Tokyo, Japan)

P-261 A case with psychogenic non-epileptic seizures improved by CBT at pediatric ward.

Mahito Atobe(A case with psychogenic non-epileptic seizures improved by CBT at pediatric ward.)

P-262 Retrospective study of epilepsy cases that occurred at the age of 10 years and older for transition

Hiromitsu Toshikawa(Department of Pediatrics, Osaka Medical College, Osaka, Japan)

P-263 Study on epilepsy and ingestive status in severe motor and intellectual disabilities

Mayu Ohtsu(Chiisaki Hanano Sono,A Society of St.Tlegia, Kamakura, Kanagawa, Japan)

Poster Presentation 45

Chair: Chihiro Yonee(Kagoshima University Graduate School of Medical and Dental)

P-264 Molybdenum Cofactor Deficiency in child siblings who developed seizures early after birth.

Eisuke Terasaki(Department of Pediatrics, Japanese Red Cross Society Himeji Hospital,Himeji city Japan)

P-265 A case of trisomy 18 with muscle stiffness due to cough

Reina Ogata(National Hospital Organization Kokura Medical Center,Fukuoka,Japan)

P-266 Examination of children with tuberous sclerosis who applied sirolimus gel in our department

Yusi Baba(Department of Pediatrics, University of Kagoshima, Kagoshima,Japan)

P-267 Clinical study of psychosomatic disease with impaired motor function

Tomoko Nagase(Department of Pediatrics, Kizawa Memorial Hospital, Gifu, Japan)

Poster Presentation 46

Chair: Ikuko Mohri(United Graduate School of Child Development, Osaka University)

P-268 Two cases of developmental disorder comorbid gaming disorders caused by excess homework.

Ikuko Mohri(Dept of Child Development, United Graduate School of Child Development, Osaka University, Osaka, Japan)

P-269 The method of troubled feeling-utilization in self-estimation of school-

P-270 Comorbidity of neurodevelopmental disorders and epilepsy

P-271 Prescription rate of Risperidone and/or Aripiprazole for children with ASD and/or ADHD.

P-272 Association between activities in sleep and sensory characteristics in children with ASD

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P-273 Anxiety and aggression of preschoolers with developmental disorders: A categorical study

P-274 Anxiety and aggression of preschoolers with developmental disorders: A dimensional study

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P-276 Child abuse prevention system of Shimada Ryoiku Center Hachiouji

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P-277 Examination of social development in children with autism who intervened early treatment

P-278 Cases of developmental disabilities, game dependence, school refusal that weekly-table was effective

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P-288 Sleep-related muscle activity improved by dopamine agonist in mice model of restless legs syndrome

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P-292 Two cases of AESD with a discrepancy between comprehension and expression of language

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P-300 Characteristics of Cerebral palsy born in extremely preterm or low birth weight in Okinawa

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