

The 61st Annual Meeting of the Japanese Society of Child Neurology

**The 61st Annual Meeting of
the Japanese Society of Child Neurology**

May 31st June 2nd, 2019
Nagoya Congress Center

PROGRAM

Presidential Lecture

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

Diversity in child neurology: toward the future of child neurology

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

Overseas Invited Lecture

Chair: Eiji Nanba (Research Center for Bioscience and Technology, Tottori University)

Targeted Treatments for Fragile X Syndrome

Randi J. Hagerman (University of California Davis Medical Center, USA)

Memorial Lecture of Dr. Yukio Fukuyama

Chair: Makiko Osawa (Tokyo Women's Medical University)

A Journey in Search of Excellence in Clinical Service and Research as A Child Neurologist in Taiwan

Chao-Ching Huang (Department of Pediatrics, College of Medicine, National Cheng Kung University, Taipei Medical University, President of Taiwan Child Neurology Society)

Educational Lecture 1

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

Developmental examination of early infantile period ~ Focusing on the general movements assessment ~

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

Educational Lecture 2

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

Recent topics of neurovirulence of HHV-6

Tetsushi Yoshikawa (Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Aichi, Japan)

Educational Lecture 3

Chair: Masaya Kubota (National Center for Child Health and Development)

Physical examination of childhood neurological disorders

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

Educational Lecture 4

Chair: Akira Ohtake (Department of Pediatrics, Center for Intractable Diseases, Saitama Medical University)

New strategy of treatment for neurometabolic diseases

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

Educational Lecture 5

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

Development of circadian clock in mammals

Kazuhiro Yagita (Department of Physiology and Systems Bioscience, Kyoto Prefectural University of Medicine, Kyoto, Japan)

Educational Lecture 6

Chair: Tsuyoshi Matsumura (Toneyama National Hospital)
Therapeutic strategies targeting toxic RNA in myotonic dystrophy
Masayuki Nakamori (Department of Neurology, Osaka University Graduate School of
Medicine, Osaka, Japan)

Educational Lecture 7

Chair: Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)
Drug development by a physician scientist
Sonoko Misawa (Department of Neurology, Chiba University Hospital)

Educational Lecture 8

Chair: Kazuhiro Muramatsu (Department of Pediatrics, Jichi Medical University)
In vivo imaging for brain pathology
Hiroaki Wake (Division of System Neuroscience, Kobe University Graduate School of
Medicine)

Educational Lecture 9

Chair: Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital Epilepsy
Center)
Initial Management of Epilepsy during Childhood: Recent changes and desirable attitudes
Shinichiro Hamano (Division of Neurology, Saitama Children's Medical Center, Saitama,
Japan)

Educational Lecture 10

Chair: Yukio Sawaisi (Akita Prefectural Center on Development and Disability)
Have you ever wished for the death of your own child?
- 27 months of my battling days with my severely disabled son -
Yuriko Sasa (Network to Advance Open Society for Children with Disabilities, Akita, Japan)

Educational Lecture 11

Chair: Akira Oka (Department of Pediatrics, Graduate School of Medicine, The University of
Tokyo)
Basic knowledge of diagnosis and treatment for mitochondrial disorders
Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine,
Tokyo, Japan)

Educational Lecture 12

Chair: Sumimasa Yamashita (Kanagawa Children's Medical Center)
ATR-X syndrome
Takahito Wada (Department of Medical Ethics and Medical Genetics, Kyoto University
Graduate School of Medicine, Kyoto, Japan)

Educational Lecture 13

Chair: Hirofumi Komaki (Department of Clinical Research Promotion, National Center Hospital,
National Center of Neurology and Psychiatry)
Attractive wonders in the skeletal muscle research
Yukiko Hayashi (Department of Pathophysiology, Tokyo Medical University, Tokyo,
Japan)

Educational Lecture 14

Chair: Taishi Miyachi (Nagoya West District Care Center for Disabled Children)
Neurodevelopmental Disorders: Diagnosis and Treatment
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

Educational Lecture 15

Chair: Hideo Enoki (Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)
Appropriate timing of surgical treatment for drug resistant epilepsy in child
Kensuke Kawai (Department of Neurosurgery, Jichi Medical University)

Special Symposium 1

- Chair: Yoshihiro Maegaki (Department of Child Neurology, Faculty of Medicine, Tottori University),
Hiroyuki Yamamoto (Department of Pediatrics, Nagoya University Graduate School of Medicine)
- 1) Case registration and perspective in the Tokai Pediatrics Neurology Society
Yutaka Negishi (Department of Pediatrics, Gifu Prefectural Tajimi Hospital, Tajimi, Gifu, Japan.)
 - 2) The Baby Cooling Project of Japan to Implement Evidence-Based Neonatal Cooling
Osuke Iwata (Nagoya City University, Nagoya, Japan)
 - 3) Treatment of encephalopathy with EEG monitoring
Hiroyuki Yamamoto (The Department of Pediatrics, Nagoya University Graduate School of Medicine)
 - 4) Metabolite analysis in acute encephalitis/encephalopathy
Tomoyuki Akiyama (Department of Child Neurology, Okayama University, Okayama, Japan)
 - 5) Systematic Management, from the viewpoint of pediatric intensive care
Atsushi Numaguchi¹, Jun Natsume², Hiroyuki Kidokoro²
(1.Dept. of Emergency & Critical Care Medicine, Nagoya University Hospital, Nagoya, Japan, Department of Pediatrics, Nagoya University, 2.Nagoya, Japan)
 - 6) Treatment for acute encephalopathy with biphasic seizures and late reduced diffusion based on a hypothetical pathogenesis
Muneaki Matsuo¹, Toshiyuki Maeda¹, Fumio Ichinose¹, Daisuke Tajima², Keiko Uda³, Takuji Nakamura⁴
(1.Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan, 2.Karatsu Red Cross Hospital, Karatsu, Japan, 3.Saga-Ken Medical Center Koseikan, Saga, Japan, 4.NHO Ureshino Medical Center, Ureshino, Japan)

Special Symposium 2

- Chair: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences),
Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine)
- 1) Mechanisms regulating corpus callosum formation, ventricular size, megalencephaly and brain cancer
Linda Richards (The University of Queensland, Queensland Brain Institute, Brisbane, Australia)
 - 2) Classification and diagnosis of brain malformations
Ganeshwaran H. Mochida^{1,2,3}
(1.Boston Children's Hospital, USA, 2.Massachusetts General Hospital, USA, 3.Harvard Medical School, USA)
 - 3) Neuroimaging in midbrain-hindbrain (MHB) malformation
Jun-Ichi Takanashi (Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan)
 - 4) Perspective of treatment of brain malformation based on its etiology

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

Symposium 1

Chair: Kenjiro Kosaki (Center for Medical Genetics Keio University),
Nobuhiko Okamoto (Department of Medical Genetics, Osaka Women's and Children's Hospital)

Rare and Undiagnosed Diseases in Pediatric Neurology

1) From diagnosis to pathological analysis in patients with rare disease

Kohji Kato^{1,2}, Shinji Saitoh¹

(1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Department of Genetics, Research Institute of Environmental Medicine (RIeM), Nagoya University, Nagoya, Japan)

2) IRUD project from a standpoint of IRUD Clinical Center

Takeshi Yoshida¹, Atsushi Yokoyama¹, Naoko Nakagawa², Takahito Wada^{2,3}, Shinji Kosugi^{2,3}

(1.Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan, 2.Clinical Genetics Unit, Kyoto University Hospital, Kyoto, Japan, 3.Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan)

3) Importance of Dymorphology in Pediatric Neurology

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

4) IRUD Beyond, exploitation of model organisms for functional assessment of candidate variants for rare and undiagnosed diseases

Toshiyuki Takano¹, Rikako Sanuki¹, Kohei Matsubara¹, Kimihide Ibaraki², Katsunori Satou³, Kazuharu Oiwa³

(1.Department of Drosophila Genomics and Genetic Resources, Kyoto Institute of Technology, Kyoto, Japan, 2.Graduate School of Science and Technology, Kyoto Institute of Technology, Kyoto, Japan, 3.School of Science and Technology, Kyoto Institute of Technology, Kyoto, Japan)

5) Perspective on identification of new diseases and development of therapies

Toshiki Takenouchi (Keio University School of Medicine School of Medicine)

Symposium 2

Chair: Ryo Tanabe (Chiba Rehabilitation Center),
Kaeko Ogura (National Center for Child Health and Development)

Social independence for children with disability and their families

1) conscience of ignorance is same as malice

Toru Shibata, Kenichi Fukiage, Motoaki Matsuyama, Kyouko Okuno (Department of Pediatric Orthopedic Surgery, Bobath Memorial Hospital, Osaka, Japan)

2) They critical line of care for the family included adults with intellectual disability

Tomoko Tanaka (The Department of Social Welfare, Bukkyo University, Kyoto, Japan)

3) The present conditions of the nursing spot and future problem

Noriko Nishino (Social Weifare corporation Aitoku Fukushimai ,Osaka Developmental Rehabilitation Center,Asashioen,Osaka,Japan)

4) Support in the community through the life stage to children with disabilities and the parents

Emiko Kusano (Faculty of Nursing, Osaka Medical College, Osaka, Japan)

5) A RCT study to develop a psychoeducational program for parents of children with disability

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

Symposium 3

Chair: Toshio Saito (Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital),
Katsuhisa Ogata (National Hospital Organization Higashisaitama National Hospital)

Medical transition of children with hereditary neuromuscular diseases - For better life of patients

- 1) Toward an ideal transition system for patients with hereditary neuromuscular diseases from pediatric to adult care
Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)
- 2) Medical transition at the neuromuscular specialized center, from the standpoint of pediatric neurologist
Akiko Wakisaka (Department of Pediatrics, National Organization Iou Hospital, Kanazawa, Japan)
- 3) Medical Transition at the neuromuscular specialized center, from the standpoint of neurologist
Hajime Arahata (Department Of Neurology, National Hospital Organization Omuta Hospital)
- 4) Current situation of measures against transitional care
Akinobu Taniguchi (Intractable/Rare Disease Control Division, Health Service Bureau, Ministry of Health, Labour and Welfare)
- 5) Home medical care support for the transition into adulthood
Toshiyuki Kumagai (Nagoya, Japan)
- 6) Transitions from the standpoint of rehabilitation
Hiroshi Yamamoto (Department of Rehabilitation, Hyogo-Chuo Natinal Hospital, Hyogo, Japan)

Symposium 4

Chair: Tomoyuki Akiyama (Department of Child Neurology, Okayama University),
Tetsuhiro Fukuyama (Department of neonatology and intervention, Shinshu University School of Medicine)

Childhood epilepsy: an update 2019

- 1) Tuberos sclerosis complex and focal cortical dysplasia
Ichiro Kuki^{1,2}
(1.The Department of Child Neurology, Osaka City General Hospital, Osaka, Japan, 2.The Epilepsy Medical Center for Children and Adolescents, Osaka City General Hospital, Osasa, Japan)
- 2) Idiopathic epilepsy
Hiroko Ikeda (NHO Shizuoka Institute of Epilepsy and Neurological Disorders)
- 3) Epilepsy associated with inherited metabolic disorders
Yu Tsuyusaki (Division of Neurology, Kanagawa Children s Medical Center, Yokohama, Japan)
- 4) Update on genetic epilepsies in childhood
Norimichi Higurashi^{1,2}
(1.Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan, 2.Central Research Institute for the Pathomechanisms of Epilepsy, Fukuoka University, Fukuoka, Japan)
- 5) Autoimmune epilepsy
Tetsuhiro Fukuyama (Department of neonatology and intervention, Shinshu University School of Medicine, Matsumoto, Japan)

Symposium 5

Chair: Touya Ohashi (The Jikei University),
Takanori Yamagata (Department of Pediatrics, Jichi Medical University)

Front line of gene therapy for the brain diseases

- 1) AAV vectors: Basics and Current Applications in Gene Therapy
Shinichi Muramatsu^{1,2}
(1.Division of Neurology, Jichi Medical University, Shimotsuke, Japan, 2.Center for Gene & Cell Therapy, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan)
- 2) Gene therapy for aromatic L-amino acid decarboxylase deficiency and glucose transporter 1 deficiency syndrome.
Hitoshi Osaka¹, Sachie Nakamura¹, Karin Kojima¹, Shin-Ichi Muramatsu², Takanori

Yamagata¹

(1.Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan, 2.Department of Neurology, Jichi Medical University, Shimotsuke, Japan)

3) Development of gene therapy for Tay-Sachs disease

Kohji Itoh¹, Yukiya Ohnishi¹, Daisuke Tsuji¹, Shin-Ichi Muramatsu²

(1.Department of Medicinal Technology, Graduate School of Pharmaceutical Science, Tokushima University, Tokushima, Japan, 2.Jichii Medical University)

4) Gene therapy for Pelizaeus-Merzbacher disease

Ken Inoue (Dept. Mental Retardation & Birth Defect Research, National Institute of Neuroscience, NCNP, Tokyo, Japan)

5) Developing gene therapy for treating intractable epilepsy in Dravet Syndrome

Yosuke Niibori, Shiron Lee, David Hampson (The Department of Pharmaceutical Sciences, University of Toronto, Toronto, Canada)

Symposium 6

Chair: Osuke Iwata (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences),

Sachio Takashima (Yanagawa Institute for Developmental Disabilities/International University of Health and Welfare)

Why are experimentally neuroprotective treatments useless in clinical practice?

1) What can we learn from the failure to show the neuroprotective efficacy of Xe in Toby-Xe study despite promising experimental animal studies?

Go Kawano (Pediatrics, St Mary's Hospital)

2) How can neuroscience researchers contribute to the development of new therapy for perinatal brain injury?

Masato Sawada (Department of Developmental and Regenerative Biology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan)

3) Challenges in the clinical application of fetal pathophysiology

Tadashi Matsuda², Takushi Hanita¹, Shimpei Watanabe¹, Shinichi Sato¹

(1.The Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 2.Division of Pediatrics, Hachinoce City Hospital, Hachinohe, JAPAN)

4) Toward investigator-initiated clinical trial from basic research in academia

Yoshiaki Sato¹, Shinobu Shimizu²

(1.Division of Neonatology, Center for Maternal-Neonatal Care, Nagoya University Hospital, Nagoya, Japan, 2.Department of Advanced Medicine, Nagoya University Hospital, Nagoya, Japan)

5) What should we do for the future progress of neuroscience and clinical application of brain protection therapy?

Ichiro Morioka (Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan)

Symposium 7

Chair: Atsuo Nezu (Yokohama Medical and Welfare Centre, Konan), Nobuhito Morota (Chief Division of Neurosurgery Tokyo Metropolitan Children's Medical Center)

Comprehensive treatment of spasticity in children: Update

1) Indication and limitation of selective dorsal root rhizotomy for spasticity

Jun Kurihara (Department of Neurosurgery, Saitama Children's Medical Center, Saitama, Japan)

2) The role of pediatric orthopedic surgeon in multidisciplinary team approach for pediatric cerebral palsy

Takeshi Kinjo¹, Teruyo Oishi¹, Taketsugu Gaja¹, Atsuo Aguni¹, Takashi Asato²

(1.Department of Orthopedic Surgery of Okinawa Prefectural Nanbu Medical Center and Childrens Medical Center, Okinawa, Japan, 2.Department of rehabilitation medicine of Okinawa Prefectural Nanbu Medical Center and Childrens Medical Center, Okinawa, Japan)

3) Intrathecal Baclofen Therapy in Children with Movement Disorders

Masaya Kubota (Division of Neurology, NCCHD, Tokyo, Japan)

- 4) Pharmacological treatment of spasticity in patients with cerebral palsy
Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital)
- 5) From physical medicine & rehabilitation: clinical assessment of spasticity and rehabilitation
Akinobu Nemoto (The Department of Medical Informatics, Yokohama City University, Yokohama, Japan)

Symposium 8

Chair: Kiyoshi Araki ((Department of Pediatrics, Tokyo Saiseikai Central Hospital),
Akira Nishimura (Japanese Red Cross Kyoto Daiichi Hospital)

Diagnosis and treatment of pediatric migraine

- 1) Diagnosis of pediatric migraine
Naoki Ando (Josai Kids Clinic)
- 2) Acute treatment of pediatric migraine
Kentaro Kuwabara (Department of Pediatrics, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan)
- 3) Prophylactic treatment of pediatric migraine
Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University)

Symposium 9

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

Eiji Kitazumi (National Rehabilitation Center for Children with Disabilities)

- 1) Survey of cerebral palsy in Tottori, Tokushima, and Tochigi between 2009 and 2013
Yasuki Kobayashi (Department of Public Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)
- 2) Incidence of cerebral palsy in Tottori prefecture
Yoshihiro Maegaki, Hiroyuki Yamada (Division of Child Neurology, Department of Brain and Neuroscience, Tottori University, Yonago, Japan)
- 3) Incidence of cerebral palsy in Tokushima
Yoshihiro Tohda, Shouji Kagami (Department of Pediatrics Graduate School of Medical Sciences Tokushima University, Tokushima, Japan)
- 4) Survey on the condition of cerebral palsy children in Tochigi
Hideo Shimoizumi^{1,2}, Hirokazu Yamagishi^{1,3}
(1.Nasu Institute for Developmental Disabilities, International University of Health and Welfare rehabilitation center, Tochigi, Japan, 2.International University of Health and Welfare, Tochigi, Japan, 3.Department of Pediatrics, Jichi Medical University, Tochigi Japan)
- 5) The current status of care for children with severe cerebral palsy
Rei Goto (Graduate School of Business Administration, Keio University, Yokohama, Japan)

Symposium 10

Chair: Yoshihiro Maegaki (Department of Child Neurology, Faculty of Medicine, Tottori University), Nobuyuki Yotani (Division of Palliative Medicine, National Center for Child Health and Development)

Palliative care for children with neurological disorder - Management of respiratory problems

- 1) Management of respiratory disorders in childhood neurological disorders
Shin Okazaki (Osaka city general hospital, Osaka, Japan)
- 2) Ethical issues regarding respiratory support for adult patients with neurodegenerative disorders
Takayoshi Shimohata (Department of Neurology, Gifu University Graduate School of Medicine, Gifu, Japan)
- 3) Summary of ethical issues regarding respiratory support for children with severe neurological conditions
Momoko Sasazuki^{1,2}

- (1. Faculty of Health and Welfare, Seinan Jogakuin University, Fukuoka, Japan,
2. Department of Pediatrics, Kyushu University Hospital)
- 4) Assessment and treatment of dyspnea for children with neurological and neuromuscular conditions
Nobuyuki Yotani (Division of Palliative Medicine, National Center for Child Health and Development, Tokyo, Japan)

Symposium 11

Chair: Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine),
Toshiyuki Miyashita (Department of Molecular Genetics, Kitasato University School of Medicine)

iPS cells and genome editing in child neurology

- 1) Human iPS cells and genome editing
Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)
- 2) Innovative technology accelerates disease understanding; 'new' perspectives on 'old' Down syndrome
Yasuji Kitabatake (Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan)
- 3) Somatic cell reprogramming from a viewpoint of cellular metabolism
Masamitsu Sone (Department of Regenerative Medicine, Chiba University Graduate School of Medicine)
- 4) Investigation of pathogenesis of NBCCS using iPSCs and gene editing technologies
Toshiyuki Miyashita (Department of Molecular Genetics, Kitasato University School of Medicine, Sagamihara, Japan)

Symposium 12

Chair: Taishi Miyachi (Nagoya West District Care Center for Disabled Children),
Kei Ohashi (Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences)

- 1) Diagnosis of cases with "hyperactivity" as the main complaint and support for attention deficit hyperactivity children
Tomokatsu Yamazaki^{1,2}
(1. HAMAMATSU City Child Psychiatry Clinic, Hamamatsu, Japan, 2. Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan)
- 2) Differential diagnosis of child tantrums and medical support for autism spectrum disorder
Toru Yoshikawa (Department of Child Psychiatry, Aichi Developmental Disability Center Central Hospital, Kasugai, Japan)
- 3) Essence of Medical Treatment for children with Learning Disorders
Tatsuya Koeda (Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)
- 4) Social resources for children with developmental disorders
Tomoko Asai (Nagoya Support Center for Persons with Developmental Disorders, Nagoya, Japan)

Symposium 13

Chair: Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital),
Yoshikazu Ugawa (Department of Neuro-regeneration, Fukushima Medical University)

Physiological and clinical approach to abnormal involuntary movements

- 1) Neuronal activities of animal models reveal pathophysiology of movement disorders
Satomi Chiken, Atsushi Nambu
(Division of System Neurophysiology, National Institute for Physiological Sciences, Okazaki, Japan)
- 2) Clinical observation of involuntary movements
Hiroshi Shibasaki (Department of Neurology, Kyoto University Graduate School of Medicine, Kyoto, Japan)
- 3) Dopamine-related movement disorders

Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

4) Voluntary movements and rare involuntary movements in adult patients

Yoshikazu Ugawa (Department of Neuro-regeneration, Fukushima Medical University, Fukushima, Japan)

Symposium 14

Chair: Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka),
Hiroshi Sakuma (Department of Brain Development and Neural Regenerating Tokyo Metropolitan Institute of Medical Science)

Advance in autoantibody-mediated brain diseases

1) Characteristics of pediatric MOG-IgG+ demyelinating disease.

Kimihiko Kaneko^{1,2}

(1.Department of neurology, Tohoku University, Sendai, Japan, 2.NHO Miyagi Hospital, Watari, Japan)

2) The role of IL-6 in neuromyelitis optica

Takako Matsuoka^{1,2,3}

(1.Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, 2.Child Brain Project, Tokyo Metropolitan Institute of Medical Science, 3.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo)

3) Diagnosis and management of anti-NMDA receptor encephalitis in children

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

4) Limbic system & encephalitis

Yukitoshi Takahashi^{1,2}

(1.National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka, Japan, 2.Department of Pediatrics, Gifu University school of medicine, Gifu, Japan)

ISS Joint Symposium

Chair: Sampsa Vanhatalo (BABA center, Children's Hospital, University of Helsinki, Finland),
Akihisa Okumura (Department of Pediatrics, Aichi Medical University)

Advance in neonatal neurology

1) Neonatal EEG

Sampsa Vanhatalo (BABA center, Children's Hospital, University of Helsinki, Finland)

2) A Neonatal Seizure Detection Algorithm

Geraldine B. Boylan (INFANT Research Centre)

3) New neonatal seizure classification

Ronit M. Pressler (Great Ormond Street Hospital for Children)

4) Neuroimaging of developing brain before birth

Ritsuko K. Pooh (CRIFM Clinical Research Institute of Fetal Medicine PMC)

Presidential talk event

Chair: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences),
Ganeshwaran H. Mochida (Boston Children's Hospital, USA, Massachusetts General Hospital, USA, Harvard Medical School, USA)

Is glass ceiling present? Toward the equal opportunity of women in child neurology

1) From Pediatrics to Geriatrics with Fragile X: A Woman's Journey in Medicine

Randi J. Hagerman (University of California Davis Medical Center, USA)

2) Equity and diversity in the workplace to enable a creative and productive environment.

Linda Richards (The University of Queensland, Queensland Brain Institute, Brisbane, Australia)

3) Is glass ceiling present? Toward the equal opportunity of women in childneurology

Takao Takahashi (Department of Pediatrics, Keio University School of Medicine, Tokyo,

Japan)

- 4) My experience working as a child neurologist for twenty years
Reimi Tsurusawa (Takagi hospital, Fukuoka, Japan)
- 5) Current situation surrounding female researchers in Japan and action for GENDER EQUALITY of JSCN
Yoshimi Kaga (Department of Developmental Disorders, National institute of Mental health, National Center of Neurology and Psychiatry, Tokyo, Japan)
- 6) Women in Medicine – Taiwan Experience
Ying-Chao Chang (Department of Pediatrics, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan)

Asia Session

Chair: Hiroshi Otsubo (The Hospital for Sick Children, Toronto, Canada),
Derrick Wei-Shih Chan (KK Women's and Children's Hospital, Singapore)

Diversity of epilepsy treatment in Asia -West syndrome-

- 1) A Review of West Syndrome in the Philippines
Rhea Angela M. Salonga-Quimpo (Section of Pediatric Neurology, Department of Neurosciences, University of the Philippines-Philippine General Hospital)
- 2) A brief introduction to diagnosis and medical treatment of West syndrome in Singapore
Derrick Wei-Shih Chan (KK Women's and Children's Hospital, Singapore)
- 3) Diagnosis and treatment of West syndrome in Turkey
Dilek Yalnizoglu (Department of Pediatric Neurology, Hacettepe University Faculty of Medicine, Turkey)
- 4) Standard therapy for West syndrome in Japan
Tomoyuki Akiyama (Department of Child Neurology, Okayama University, Okayama, Japan)

Acute flaccid paralysis

Chair: Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital),
Sawa Yasumoto (Fukuoka University Medical Education Center)

Nationwide AFP (acute flaccid paralysis) surveillance

- 1) Acute flaccid paralysis and acute flaccid myelitis: overview
Keiko Tanaka-Taya (Infectious Disease Surveillance Center, National Institute of Infectious Diseases, Tokyo, Japan)
- 2) Imaging of acute flaccid myelitis
Harushi Mori¹, Akihisa Okumura²
(1.Department of Radiology, Graduate School and Faculty of Medicine, The University of Tokyo, 2.Department of Pediatrics, Aichi Medical University)
- 3) Trends of acute flaccid myelitis in 2018-2019
Pin Fee Chong^{1,2}, Ryutaro Kira¹
(1.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan, 2.Department of General Pediatrics & Interdisciplinary Medicine, Fukuoka Children's Hospital, Fukuoka, Japan)

Sponsored Symposium

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

- 1) Scoliosis management and Spinraza treatment in SMA patients
Ayano Matsui (National Center Hospital of Neurology and Psychiatry, Tokyo, Japan)
- 2) Nusinersen intrathecal injection with ultrasound guidance
Norihiko Obata (Division of Anesthesiology, Department of Surgery Field, Kobe University Graduate School of Medicine, Kobe, Japan)
- 3) Rehabilitation for pediatric patients with SMA

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

Committee's Seminar 1

Chair: Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital), Jun Tohyama (Department of Child Neurology, Nishi-Niigata Chuo National Hospital)

The procedure to pharmaceutical approval based on a clinical study

- 1) Preparing investigator initiated clinical trial
Ryuta Asada (Innovative and Clinical Research Promotion Center, Gifu University Hospital, Gifu, Japan)
- 2) Clinical trial of bezafibrate for patients with mitochondrial fatty acid oxidation defect
Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital)
- 3) Clinical development of exon skipping therapy for Duchenne muscular dystrophy
Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)
- 4) Development of therapeutic drug and biomarker for mitochondrial disorders
Yasutoshi Koga (Department of Pediatrics and Child Health, Kurume University school of Medicine, Kurume, Japan)

Committee's Seminar 2

Chair: Eiji Nakagawa (Department of Child Neurology, National Center, National Center Hospital of Neurology and Psychiatry), Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka)

Session for urgent issue "Appropriate use of ketogenic formula"

- 1) Current situation of measures against special formula
Akinobu Taniguchi (Intractable/Rare Disease Control Division, Health Service Bureau, Ministry of Health, Labour and Welfare)
- 2) Supply situation of special keton formula
Kikumaro Aoki, Kazunori Yokoyama (Aiiku Maternal and Child Health Center, Tokyo, Japan)
- 3) Status of Ketonformula '817-B' supply
Takahiro Kanno (Food Science & Technology Research Labs. / R&D Div. / Meiji Co., Ltd., Tokyo, Japan)
- 4) All roads lead to appropriate use of therapeutic formula: creating clinical guidelines.
Kimitoshi Nakamura^{1,2}, Yukitoshi Takahashi², Shinobu Ida², Masanobu Kawai², Yuko Hamasaki², Tetsuya Ito², Toshihiro Ohura²
(1.Department of Pediatrics, Kumamoto University, Kumamoto, Japan, 2.Therapeutic formula WG, Grant in aid for the research on rare and intractable diseases. Kumamoto, Japan)
- 5) Treatment guide for intractable epilepsy with ketogenic formula (proposal)
Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka, Japan)

Committee's Seminar 3

Chair: Toshiyuki Yamamoto (Institute of Medical Genetcis, Tokyo Women's Medical University), Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)

No-to-Hattatsu manuscript review seminar

- 1) What we should do to get acceptance by No-to-Hattatsu?
Toshiyuki Yamamoto (Institute of Medical Genetcis, Tokyo Women's Medical University, Tokyo, Japan)
- 2) How can we evaluate scientific papers ?
Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)
- 3) The role as an associate editor
Yoshimi Kaga (Department of Developmental Disorders, National institute of Mental

health, National Center of Neurology and Psychiatry, Tokyo, Japan)

- 4) Jun Tohyama (Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan)
- 5) Naomi Hino-Fukuyo (The Department of Medicine, Tohoku University, Sendai, Japan)

Committee's Seminar 4

Chair: Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine),
Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University)

Recommendations from the three working groups on medical safety

- 1) Proposal and guidance on medical safety in sedation at neurophysiological examination including electroencephalogram
Seigo Korematsu^{1,2}, Yusaku Miyamoto³, Kazuhiro Muramatsu⁴, Gaku Yamanaka⁵, Hideaki Shiraishi⁶, Harumi Yoshinaga⁷, Eiji Nakagawa⁸, Masumi Inagaki⁸, Hideaki Kanemura⁹, Katsuhiko Kobayashi¹⁰
(1.Nakatsu Municipal Hospital, 2.Oita University, 3.St. Marianna University School of Medicine, 4.Jichi Medical University, 5.Tokyo Medical University, 6.Hokkaido University, 7.National Hospital Organization Minami-Okayama Medical Center, 8.National Center of Neurology and Psychiatry, 9.Yamanashi University, 10.Okayama University)
- 2) Recommendations and guidelines for CT imaging at head injury in childhood realize medical safety
Shoko Shimokawa¹, Seigo Korematsu^{2,3}, Madoka Hoshide⁴, Rie Miyata⁵, Junichi Ishii⁶, Satoko Uematsu⁷, Yuuta Fujii⁸, Yasuhiro Matsuzaka⁹
(1.Department of Neurosurgery, School of Medicine, Saga University, Saga, Japan, 2.Nakatsu Municipal Hospital, Ohita, Japan, 3.Department of pediatrics, Ohita University, Ohita, Japan, 4.Department of Pediatrics, Graduate School of Medicine, Yamaguchi University, Yamaguchi, Japan, 5.Department of Pediatrics, Tokyo-Kita Medical Center, Tokyo, Japan, 6.Emergency and Critical Care Medical Center & Pediatric emergency medicine Osaka City General Hospital, Osaka, Japan, 7.Division of Emergency and Transport Services National Center for Child Health and Development, Tokyo, Japan, 8.Department of Radiology, Kanagawa Children's medical center, Kanagawa, Japan, 9.Department of pediatric neurosurgery, Osaka City general Hospital, Osaka, Japan)
- 3) Proposals on a safety management for ACTH therapy by the JSCN-JES joint working group
Hideo Yamanouchi^{1,2}, Yukitoshi Takahashi^{1,3}, Katsuhiko Kobayashi^{1,4}, Shinichiro Hamano^{1,5}, Masakazu Mimaki^{1,6}, Susumu Ito^{1,7}
(1.JSCN-JES Working Group on A Safety Management for ACTH Therapy, Medical Safety Committee, JSCN, Japan, 2.Department of Pediatrics, Comprehensive Epilepsy Center, Saitama Medical University, Saitama, Japan, 3.Department of Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorders, 4.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, 5.Department of Neurology, Saitama Children's Medical Center, 6.Department of Pediatrics, Teikyo University, School of Medicine, 7.Department of Pediatrics, Tokyo Women's Medical University Hospital)

Committee's Seminar 5

Chair: Hiroshi Arai (Director of Bobath Memorial Hospital),
Akinobu Nemoto (Department of Medical Informatics, Yokohama City University)

Algorithm in the treatment of spasticity and dystonia in childhood

- 1) Oral pharmacological treatment of spasticity in patients with cerebral palsy
Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital)
- 2) When is botulinum therapy commenced and shifted to surgical treatment?
Atsuo Nezu (Clinic for Pediatric Neurology, Yokohama Medical and Welfare Centre, Konan, Yokohama, Japan)
- 3) Treatment selection depending on diagnosis of dystonia
Yohane Miyata^{1,2}
(1.Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan, 2.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

- 4) Effect of intrathecal baclofen therapy on upper limbs and trunk severe spasticity in children with cerebral palsy
Takeshi Kinjo¹, Teruyo Oishi¹, Taketsugu Gaja¹, Atsuo Aguni¹, Takashi Asato²
(1.Department of Orthopedic Surgery of Okinawa Prefectural Nanbu Medical Center and Childrens Medical Center, Okinawa, Japan, 2.Department of rehabilitation medicine of Okinawa Prefectural Nanbu Medical Center and Childrens Medical Center, Okinawa, Japan)
- 5) Neuromuscular Scoliosis in Cerebral Palsy Children.
Naoyuki Nakamura (The Department of Pediatric Orthopedics Surgery and Pediatric Spine Surgery, Kanagawa Children's Medical Center, Yokohama, Japan)

Committee's Seminar 6

Chair: Shigemi Kimura (Children's Sleep & Development Medical Research Center, Hyogo Prefectural Center Rehabilitation Hospital),
Akira Yoneyama (The Department of Pediatrics, National Rehabilitation Center for Children with Disabilities)

Risk Management for Children with Disabilities during Disaster

- 1) The Role of and Cooperation with Disaster Liaison for Pediatrics and Perinatal Medicine
Kohmei Ida (Department of Pediatrics, Teikyo University Mizonokuchi Hospital, Kawasaki City, Japan)
- 2) Construction of the disaster emergency network for handicapped children using the respirator part2
Shigemi Kimura (Children's Sleep & Development Medical Research Center, Hyogo Prefectural Center Rehabilitation Hospital, Kobe, Japan)
- 3) What have we learnt from the experience of Hanshin-Awaji Earthquake?What problems should we solve ?
Satoshi Takada^{1,2}
(1.Kobe City Pediatric and General Rehabilitation Center for the Challenged, Kobe, Japan, 2.School of Health Sciences, Kobe University, Kobe, Japan)
- 4) Helping children with developmental disorders and their families after natural disasters. Lessons from the Great East Japan Earthquake.
Tokio Uchiyama (Department of Clinical Psychology, Taisho University, Tokyo, Japan)
- 5) Practice of disaster measures by regional collaboration with medical institutions.
Makoto Asano^{1,2}
(1.Foursightsconsulting Co., Ltd, Tokyo, Japan, 2.Association of Risk Management Japan, Tokyo, Japan)

Committee's Seminar 7

Chair: Kyoko Ito (Department of Pathology and Applied Neurobiology Graduate School of Medical Science Kyoto Prefectural University of Medicine)

Research integrity on clinical trials in Japan

Shinji Fushiki^{1,2}
(1.Kyoto Chubu Medical Center, 2.The Center of Quality Assurance in Research and Development, Kyoto Prefectural University of Medicine)

Committee's Seminar 8

Chair: Eiji Nakagawa (Department of Child Neurology, National Center, National Center Hospital of Neurology and Psychiatry),
Harumi Yoshinaga (Pediatrics, National Hospital Organization Minami-Okayama Medical Center)

Efficacy and cautionary note of new drugs in the field of child neurology

- 1) Novel drugs in pediatric neuromuscular disease area
Hirofumi Komaki (Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)
- 2) Efficacy and cautionary note of new antiepileptic drugs
Fumika Endoh (University Graduate School of Medicine, Dentistry and Pharmaceutical

Sciences, Okayama, Japan)

- 3) Efficacy and cautionary note of new drugs in neurodevelopmental disorders
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry)
- 4) Update of the diagnosis and treatment of Niemann-Pick disease type C
Aya Narita (Division of Child Neurology, Institute of Neurological Science, Tottori University Faculty of Medicine, Yonago, Japan)

Committee's Seminar 9

Chair: Jun Koyama (Tokyo Bay Urayasu/Ichikawa Medical Center),
Akemi Tomoda (Research Center for Child Mental Development, University of Fukui)

A proposal from long-term planning committee to the board of directors.

- 1) Transition to adult health care for children with neurological and developmental disorders
Nobuaki Iwasaki¹, Yuka Suzuki², Yoshimi Kaga³, Sahoko Miyama⁴, Akie Miyamoto⁵, Akio Nakai⁶
(1.Department of Pediatrics, Ibaraki Prefectural University of Health Science, Ibaraki, Japan, 2.Department of Pediatrics, Matsuyama Red Cross Hospital, Matsuyama, Ehime, Japan, 3.Department of Developmental Disorders, National institute of Mental health, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan, 4.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan, 5.Department of Pediatrics, Asahikawa Habilitation Center for Disabled Children, Asahikawa, Hokkaido, Japan, 6.Center for the Study of Child Development, Institute for Education, Mukogawa Women's University, Nishinomiya, Hyogo, Japan)
- 2) Bioethics in the Field of Child Neurology mainly about Prenatal Diagnosis
Masao Kumode^{1,2}, Reimi Tsurusawa², Naomi Fukuyo², Takeo Kubota², Kaeko Ogura²
(1.The Department of Pediatrics Biwakogakuen Kusatsu Medical and Welfare Center for Disabilities, Shiga, Japan, 2.Long-range Committee.The Japanese Society of Child Neurology, Tokyo Japan.)
- 3) Utilization of information technology for members of the Japan Society of Child Neurology
Shuichi Shimakawa¹, Masakazu Mimaki², Mitsuhiro Kato³, Yoshika Kawakami⁴, Hiroko Tada⁵
(1.Department of Pediatrics, Osaka Medical College Hospital, Osaka, Japan, 2.Department of Pediatrics, Teikyo University, School of Medicine, Tokyo, Japan, 3.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 4.Department of Pediatrics, Nippon Medical School Musashi Kosugi Hospital, Tokyo, Japan, 5.Department of Pediatrics Chibaken Saiseikai Narashino Hospital, Chiba, Japan)

Committee's Seminar 10

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

To be opened or closed, that is a question for all members of the JSCN.

- 1) Questionnaire on the status of internationalization at major medical academic societies in Japan.
Naoko Ishihara (Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan)
- 2) Hiroshi Honda (Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University)
- 3) Hitoshi Yamamoto (St. Marianna Pediatrics)
- 4) Shinichi Hirose (Department of Pediatrics, Fukuoka University)

Practical Education Seminar 1

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

Neuroradiology for Pediatrician 2019

- 1) Pearls and pitfalls in clinical (pediatric-)neuroradiology

Harushi Mori (Department of Radiology, Graduate School and Faculty of Medicine, The University of Tokyo)

2) Brain anomalies: MR evaluation and differential diagnosis.

Hidetsuna Utsunomiya (Center for Pediatric Neurology, Takatsuki Hospital, Osaka, Japan)

3) Normal variations and pitfalls of pediatric neuroimaging

Rieko Furukawa (Department of Pediatric Medical Imaging, Jichi Children's Medical Center Tochigi, Tochigi, Japan)

Practical Education Seminar 2

Chair: Akira Nishimura (Japanese Red Cross Kyoto Daiichi Hospital),
Naoki Ando (Josai Kids Clinic)

Pediatric Headache Master School 2019

1) Characteristics and Medical Correspondence for the young woman headache

Hisaka Igarashi (Department of Internal Medicine, Headache Outpatient Service, Fujitsu Clinic)

2) Medical correspondence for child migraine: Focusing on non-pharmacological interventions

Kiyoshi Araki (Department of Pediatrics, Tokyo Saiseikai Central Hospital, Tokyo, Japan)

3) Medical correspondence for chronic daily headache of junior high and high school students who are absent from school for a long duration

Mitsue Fujita^{1,2}

(1. Department of Pediatrics, Tsukubagakuen Hospital, Tsukuba, Ibaraki, Japan, 2. Child & Adolescent Headache Outpatient Service, Tokyo Clinic, Tokyo, Japan)

Practical Education Seminar 3

Chair: Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital),
Momoko Sasazuki (Faculty of Health and Welfare, Seinan Jogakuin University)

palliative care for children with life threatening neurological conditions

1) Overview of pediatric palliative care : The principle and practice

Momoko Sasazuki^{1,2}

(1. Faculty of Health and Welfare, Seinan Jogakuin University, 2. Department of Pediatrics, Kyushu University Hospital)

2) Management of of pain symptoms

Shin Okazaki (Osaka city general hospital, Osaka, Japan)

3) The concept and practice of advance care planning

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

4) Family Support

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

Practical Education Seminar 4

Chair: Jun Natsume (Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine)

Basic hands-on seminar on EEG

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

2) Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital Epilepsy Center)

Practical Education Seminar 5

Chair: Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine),
Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University)

Practical seminar for child neurology

1) Physical findings in children

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

- 2) Diagnosis and treatment of epilepsy
Tomoyuki Akiyama (Department of Child Neurology, Okayama University, Okayama, Japan)
- 3) How to read brain CT and MRI.
Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University, Tokyo, Japan)
- 4) Understanding developmental disorders
Tomoko Uchida (Department of Pediatrics, Graduate school of Medicine, Chiba University)

Practical Education Seminar 6

Chair: Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital),
Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Graduate School of Medicine)

Basic Training of Neonatal EEG

- 1) Evaluation of conventional EEG in neonate
Toru Kato (Department of Pediatrics, Okazaki City Hospital)
- 2) Abnormal EEG findings in neonates
Tatsuya Fukasawa (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)

Practical Education Seminar 7

Chair: Kiyokuni Miura (Aichi Developmental Disability Center),
Soichiro Tanaka (Home Care Clinic for Children Hokkori Sendai)

Home medical care for neurological pediatric patient

- 1) Medical technologies being based of the home care for children
Hirotoshi Maeda (Medical Incorporated Foundation Harutaka kai)
- 2) Home medical treatment from Osaka Developmental Rehabilitation Center
Hiroschi Wada, Masahisa Funato (Department of Home Medical Treatment & Pediatrics of Osaka Developmental Rehabilitation Center, Osaka, Japan)
- 3) How to connect home care clinic and hospital
Soichiro Tanaka (Home Care Clinic for Children Hokkori Sendai)
- 4) Community development and Pediatric home health care
Ryoichi Ichihashi (Medical corporation KAGAYAKI, General Home Care Clinic)
- 5) Cooperation between medical professionals and consultation support specialist
Hiromi Tohyama^{1,2}
(1.Social welfare corporation Nanohana, Miyagi,Japan, 2.Counseling and Support Association Miyagi Sendai , Miyagi ,Japan)

Practical Education Seminar 8

6th genetics practical education seminar

Toshiyuki Yamamoto¹, Takanori Yamagata², Hitoshi Osaka², Yasunari Sakai³, Takahito Wada⁴

(1.Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 3.Department of Pediatrics, Kyusyu University, Fukuoka, Japan, 4.Department of Medical Ethics and Medical Genetics, Graduate School of Medicine, Kyoto University, Kyoto, Japan)

61st JSCN Luncheon Seminar

Chair: Koichi Maruyama (Aichi Developmental Disability Center)

Speaker: Kenji Yokochi^{1,2}

(1.Seirei Mikatahara General Hospital, 2.Seirei Oozora Ryoiku Center)

Luncheon Seminar 1

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

Spinal muscular atrophy (SMA) - what we have achieved with the new treatment and current challenges
Andres Nascimento-Osorio (Neurology Department, Hospital Sant Joan de Deu, Barcelona, Spain)

Luncheon Seminar 2

Chair: Katsuhiko Kobayashi (Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences),
Syndrome characteristic and seizure types of childhood epilepsy: Efficacy of Perampanel based on clinical experience
Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital Epilepsy Center)

Luncheon Seminar 3

Chair: Yoshikatsu Eto (The Jikei University)
Niemann-Pick disease type C; Clinical Points for Diagnosis and Treatment
Norio Sakai (Child Healthcare and Genetic Science Laboratory, Division of Health Sciences, Osaka University Graduate School of Medicine, Osaka, Japan)

Luncheon Seminar 4

Chair: Shinobu Ida (Osaka Women's and Children's Hospital)
Carnitine deficiency in epileptic outpatients and inpatients with severe motor and intellectual disabilities in our facility
Kimio Minagawa, Tomoko Yamada (Department of Pediatrics, MIDorigaoka Ryo-iku-en, Sapporo, Hokkaido, Japan)

Luncheon Seminar 5

Chair: Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital)
Significance of early diagnosis and treatment of genetic rare disease: Gaucher disease latent in pediatric neurological disease
Hideo Shigematsu (National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

Luncheon Seminar 6

Chair: Hitoshi Yamamoto (Department of Pediatrics, St.Marianna-University of Medicine)
New antiepileptic drugs treatment in children with epilepsy
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

Luncheon Seminar 7

Chair: Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka)
State of the Art of Tuberous Sclerosis Complex Treatment
Kuriko Shimono (United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan)

Luncheon Seminar 8

Chair: Akemi Tomoda (Research Center for Child Mental Development, University of Fukui)
Treatment strategy for ADHD : cases and pathology
Makio Oka (Department of Child Neurology, Okayama University Hospital)

Luncheon Seminar 9

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

- 1) Diagnosis and clinical management of spinal muscular atrophy
Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan)
- 2) " Impact of early diagnosis and newborn screening in SMA "
Douglas Sproule (AveXis, Inc., Chicago, United States)

Luncheon Seminar 10

Chair: Tetsuya Ito (Department of Pediatrics, Fujita Health University School of Medicine)

- Symptoms of Fabry disease in childhood: Neuropathic pain and anhidrosis
Yoshihiko Nakazato (Department of Neurology, Saitama Medical University, Saitama, Japan)

Luncheon Seminar 11

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

- Studies on autistic spectrum disease: report from industry-university cooperation.
Mitsuru Kikuchi (Research Center for Child Mental Development, Kanazawa University, Kanazawa, Japan)

Luncheon Seminar 12

Chair: Yoshikatsu Eto (The Jikei University)

- 1) Tips for the diagnosis of neuronal ceroid lipofuscinosis
Aya Narita (Division of Child Neurology, Institute of Neurological Science, Tottori University Faculty of Medicine, Yonago, Japan)
- 2) Clinical course of the patients with neuronal ceroid lipofuscinosis (NCL)
Jun Tohyama^{1,2}
(1.Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan,
2.Center for Medical Genetics Service and Genetic Counseling, Niigata University Medical and Dental Hospital)

Luncheon Seminar 13

Chair: Makiko Osawa (Tokyo Women's Medical University)

- Safety and security in medical practice from perspective of childhood epilepsy
Takao Takahashi (Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)

Luncheon Seminar 14

Chair: Masako Taniike (United Graduate School of Child Development)

- A role of child neurologists for supporting the parents and child mental development for the next generation
Akemi Tomoda (Research Center for Child Mental Development, University of Fukui, Fukui, Japan)

Luncheon Seminar 15

Chair: Hitoshi Yamamoto (Department of Pediatrics, St.Marianna-University of Medicine)

- 1) mTOR inhibitor for tuberous sclerosis complex: The wide range of effects
Tohru Okanishi (Department of Child Neurology, Comprehensive Epilepsy Center, Seirei-Hamamatsu General Hospital)
- 2) Skin lesions due to tuberous sclerosis complex
Mari Kaneda (Department of Dermatology, Graduate school of medicine, Osaka)

University, Osaka, Japan)

Luncheon Seminar 16

Chair: Shinya Miyamoto (Shirayuri University)

Assessment of neurodevelopmental disorder and the application

Yasuko Funabiki (Graduate School of Human and Environmental Studies, Kyoto University, Kyoto, Japan)

Luncheon Seminar 17

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

1) Diagnosis of childhood-onset muscular diseases

Ayako Hattori (Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan)

2) Treatable metabolic myopathy: Pompe disease -The diagnosis and clinical course of our patients-

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

Luncheon Seminar 18

Chair: Hisahide Nishio (Kobe University Graduate School of Medicine/Kobe Gakuin University)

Spinal muscular atrophy (SMA) past, present and future: challenges in patient management

Laurent Servais^{1,2}

(1.Institute of Myology, Paris, France, 2.Reference Center for Neuromuscular Disease, Centre Hospitalier Régional de La Citadelle, Liège, Belgium)

Luncheon Seminar 19

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

1) Advances in Gene Therapy

Shin-Ichi Muramatsu^{1,2}

(1.Center for Gene Therapy Research, Jichi Medical University, Tochigi, Japan, 2.Center for Gene & Cell Therapy, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan)

2) Essential components of gene replacement therapy

Petra Kaufmann (AveXis, Inc.)

Sponsored Seminar 1

Chair: Yoko Ohtsuka (Asahigawaso Rehabilitation and Medical Center)

How does emergency treatment to convulsion / status epilepticus in children change? ~ Impact of newly launch of Lorazepam Injection in Japan ~

Shinichiro Hamano (Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

Sponsored Seminar 2

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

Vagus nerve stimulation for refractory epilepsy: Basic technique of VNS dosing

Masanori Takeoka (Harvard Medical School, Children's Hospital Boston, Division of Epilepsy and Clinical Neurophysiology department of Neurology, Boston)

Public Forum

[Keynote Lecture]

Chair: Masaharu Noda (Aichi Medical Association)

Speaker: Seiko Noda (Member of the House of Representatives)

[Symposium]

Chair: Jun Natsume (Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine)

Kiyokuni Miura (Aichi Developmental Disability Center, Kasugai, Japan)

1) Medical support for developmental disorders

Taishi Miyachi (Nagoya West District Care Center for Disabled Children, Nagoya, Japan)

2) For vocational independence and social participation

Naoki Yamazaki (Non-Profit Organization Disability independence support center
Employment transition support office marm, Aichi, Japan)

3) Supportive medical care for persons with severe disabilities and children who need medical care

Kiyokuni Miura (Aichi Developmental Disability Center, Kasugai, Japan)

4) make the local life of the seriously ill a reality on children's day

Yoshio Suzuki^{1,2}

(1.Social welfare corporation, Nagoya, Japan, 2.general incorporated association zennkoku
jyuusyoubi dayservice network, Nagoya, Japan)

English session 1

Chair: Tokiko Fukuda (Department of Pediatrics, Hamamatsu University School of Medicine),
Zenichiro Kato (Department of Pediatrics, Gifu University Graduate School of Medicine)

Metabolism / development / Intoxication

E-001 Long-term follow-up of slowly progressive Leigh syndrome caused by the T8993C mtDNA mutation

Yuichi Abe¹, Michiko Kawai¹, Itaru Hayakawa¹, Nahoko Katayama-Ueda¹, Sato Suzuki-Muromoto¹, Ryosuke Urabe¹, Go Takei¹, Masaya Kubota¹

(1.Division of Neurology, National Center for Child health and Development, Tokyo, Japan)

E-002 An infant case of Niemann-Pick type C with hepatomegaly and a filipin-positive carrier's donor liver

Yoshie Kurokawa¹, Masahide Goto¹, Naoya Yamada², Noriki Okada², Yukihiro Sanada², Noriyoshi Fukushima³, Aya Narita⁴, Koichi Mizuta², Hitoshi Osaka¹, Takanori Yamagata¹
(1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.Department of Transplant Surgery, Jichi Medical University, Tochigi, Japan, 3.Department of Diagnostic Pathology, Jichi Medical University, Tochigi, Japan, 4.Department of Child Neurology, Tottori University, Tottori, Japan.)

E-003 Pathological analysis of autism spectrum disorder using deciduous tooth-derived stem cells
Hiroki Kato¹, Huong Nguyen¹, Keiji Masuda¹, Haruyoshi Yamaza¹, Yuta Hirofuji¹, Hiroshi Sato¹, Thanh Pham¹, Fumiko Takayama¹, Yasunari Sakai², Shouichi Ohga², Tomoaki Taguchi³, Kazuaki Nonaka¹

(1.Section of Oral Medicine for Children, Division of Oral Health, Growth and Development, Faculty of Dental Science, Kyushu University, Fukuoka, Japan, 2.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 3.Department of Pediatric Surgery, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan)

E-004 Prevalence of autism spectrum disorder in Duchenne and Becker muscular dystrophy: A meta-analysis

Haruo Fujino^{1,2}, Toshio Saito³, Tsuyoshi Matsumura⁴, Harutoshi Fujimura⁴, Osamu Imura²
(1.Oita University, Oita, Japan, 2.Graduate School of Human Sciences, Osaka University, Osaka, Japan, 3.Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Osaka, Japan, 4.Department of Neurology, National Hospital Organization Toneyama National Hospital, Osaka, Japan)

E-005 Internet use and sleep habit of preschoolers: relationship between children and caregivers

Yasunori Oka¹, Norimi Takata², Kazunori Itoh³

(1.Center for Sleep Medicine, Ehime University Hospital, Ehime, Japan, 2.School of

Nursing, Shikoku University, Tokushima, Japan, 3.Nursery Department, Ube Frontier College, Yamaguchi, Japan)

- E-006 The importance of pyridoxal-5'-phosphate to pyridoxal ratio found in ginkgo seed poisoning case
Tomomitsu Sado¹, Setsuko Nakata¹, Takahisa Tsuno¹, Masanori Sato², Yuka Misawa³,
Shoko Yamauchi⁴, Yuji Inaba⁴, Daisuke Kobayashi⁵, Keiji Wada⁵
(1.Department of Pediatrics, Matsumoto Municipal Hospital, Nagano, Japan, 2.Department
of Pediatric Intensive Care, Nagano Children's Hospital, Matsumoto, Japan, 3.Department
of Rehabilitation, Nagano Children's Hospital, Matsumoto, Japan, 4.Department of
Pediatric Neurology, Nagano Children's Hospital, Matsumoto, Japan, 5.Department
of Food and Chemical Toxicology, School of Pharmaceutical Sciences, Health Sciences
University of Hokkaido, Hokkaido, Japan)

English session 2

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

English session Award 1

- E-007 National survey of procedures, antiepileptics, and antibiotics for febrile seizure hospitalization.
Itaru Hayakawa¹, Yusuke Okubo^{2,3}, Hiroki Nariai⁴, Nobuaki Michihata⁵, Hiroki Matsui⁷,
Kiyohide Fushimi⁶, Hideo Yasunaga⁷
(1.Division of Neurology, National Center for Child Health and Development, Tokyo,
Japan, 2.Department of Epidemiology, UCLA Fielding School of Public Health, LA, CA,
USA, 3.Department of Social Medicine, National Research Institute for Child Health and
Development, Tokyo, Japan, 4.Division of Pediatric Neurology, Department of Pediatrics,
UCLA Medical Center, LA, CA, USA, 5.Department of Health Services Research, Graduate
School of Medicine, The University of Tokyo, Tokyo, Japan, 6.Department of Health Policy
and Informatics, Graduate School of Medicine, Tokyo Medical and Dental University,
Tokyo, Japan, 7.Department of Clinical Epidemiology and Health Economics, School of
Public Health, The University of Tokyo, Tokyo, Japan)
- E-008 Apomorphine has a cell protective effect in mitochondrial disease cells
Akihiko Miyauchi¹, Takeshi Kouga¹, Eriko Jimbo¹, Tetsuro Matsuhashi², Takaaki Abe²,
Takanori Yamagata¹, Hitoshi Osaka¹
(1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.Department
of Clinical Biology and Hormonal Regulation, Tohoku University Graduate School of
Medicine, Sendai, Japan)
- E-009 Altered mTOR signaling in patients with SZT2-related neurological disease
Yuji Nakamura¹, Naomi Tsuchida², Kohji Kato¹, Daisuke Ieda¹, Ikumi Hori¹, Ayako
Hattori¹, Naomichi Matsumoto¹, Shinji Saitoh¹
(1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School
of Medical Sciences, Nagoya, Japan, 2.Department of Human Genetics, Yokohama City
University Graduate School of Medicine)
- E-010 Movement disorders and/or epileptic encephalopathies due to GNAO1 mutation: a four case
report
Hiroya Nishida¹, Satoko Kumada¹, Kohei Hamanaka², Satoko Miyatake², Tadashi
Kaname³, Yusuke Okuno⁴, Hideki Muramatsu⁵, Koichi Maruyama⁶, Mana Kurihara⁷,
Takeshi Tsuji⁸, Kenji Inoue¹, Hideaki Mashimo¹, Atsuko Arisaka¹, Mitsumasa Fukuda¹,
Naomichi Matsumoto²
(1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo,
Japan, 2.Department of Human Genetics, Yokohama City University Graduate School
of Medicine, Kanagawa, Japan, 3.Department of Genome Medicine National Center
for Child Health and Development, Tokyo, Japan, 4.Center for Advanced Medicine and
Clinical Research, Nagoya University Hospital, Aichi, Japan, 5.Department of Pediatrics,
Nagoya University Graduate School of Medicine, Nagoya, Japan, 6.Department of
Pediatric Neurology, Aichi Developmental Disability Center, Aichi, Japan, 7.Department
of Pediatrics, Kanagawa Rehabilitation Hospital, Kanagawa, Japan, 8.Department of
Neuropediatrics, Okazaki City Hospital, Aichi, Japan)
- E-011 *MYCN* de novo gain-of-function mutation in a patient with a novel megalencephaly syndrome
Kohji Kato^{1,2}, Fuyuki Miya^{3,4}, Nanako Hamada⁵, Yutaka Negishi¹, Yoko Narumi-
Kishimoto⁶, Hiroshi Ozawa⁶, Hidenori Ito⁵, Ikumi Hori¹, Ayako Hattori¹, Yoshiyuki

Takahashi², Koh-Ichi Nagata⁵, Shinji Saitoh¹

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E-012 Clinical, genetic, and biochemical analyses for PI3K-AKT-mTOR pathway-associated megalencephaly

Ikumi Hori¹, Fuyuki Miya^{2,3}, Yuji Nakamura¹, Daisuke Ieda¹, Yutaka Negishi⁴, Ayako Hattori¹, Tatsuhiko Tsunoda^{2,3}, Yonehiro Kanemura^{5,6}, Kenjiro Kosaki⁷, Shinji Saitoh¹
(1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japa, 3.Center for Integrative Medical Sciences, RIKEN, Yokohama, Japan, 4.Gifu Prefectural Tajimi Hospital, Tajimi, Japan, 5.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan, 6.Department of Neurosurgery, Osaka National Hospital, National Hospital Organ ization, Osaka, Japan, 7.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)

English session 3

Chair: Hideo Yamanouchi (Saitama Medical University, Pediatrics),
Shinichi Hirose (Department of Pediatrics, Fukuoka University)

English session Award 2

E-013 Structural classification feature in children with ADHD using machine learning approach
Yoshifumi Mizuno¹, Minyoung Jung^{2,4}, Takashi Fujisawa^{2,3}, Shinichiro Takiguchi^{1,3},
Hirotaka Kosaka^{1,2,3,4}, Akemi Tomoda^{1,2,3}

(1.The Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, Japan, 2.Research Center for Child Mental Development, University of Fukui, Japan, 3.United Graduate School of Child Development, Osaka University, Kanazawa Univ ersity, Hamamatsu University School of Medicine, Chiba University and University of Fukui, Fukui, Japan, 4.Department of Neuropsychiatry, University of Fukui, Japan)

E-014 Combination of LysoSM, 7-KC and bile acid W-408 for diagnosis of Japanese patients with NPC
Chen Wu^{1,2,3}, Takeo Iwamoto⁴, Keiko Akiyama¹, Takashi Miyajima^{1,2}, Junko Igarashi²,
Mohammad Arif Hossain¹, Yoshikatsu Eto^{1,3}

(1.Advanced Clinical Research Center, Institute of Neurological Disorders, Kawasaki, Kanagawa, Japan, 2.Rare Disease Research Center, AnGes Inc., Kawasaki, Kanagawa, Japan, 3.The Jikei University School of Medicine, 4.Core Research Facilities for Basic Science, Molecular Cell Biology, The Jikei University School of Medicine, Tokyo, Japan)

E-015 Individual classification of ADHD with and without ASD using fNIRS on effect of methylphenidate

Takahiro Ikeda¹, Yukifumi Monden^{1,2}, Tatsuya Tokuda³, Masako Nagashima¹, Hideo Shimoizumi⁴, Ippeita Dan³, Takanori Yamagata¹

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E-016 Factors of recurrence seizure in complex type febrile seizure

Yayoi Murano^{1,2,3}, Tomoyuki Nakazawa¹, Kuniyoshi Hayashi², Nahoko Teshima², Reina Mayumi², Kana Yazaki², Karin Ohshima², Hiroyuki Yamada², Nao Miyazaki², Akihisa Okumura⁴, Toshiaki Shimizu³

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Aichi, Japan)

- E-017 Study of transiently reduced cortical diffusion after prolonged febrile seizure
Takeshi Suzuki¹, Hiroyuki Kidokoro¹, Tetsuo Kubota², Tatsuya Fukasawa², Ryosuke Suzui¹, Takeshi Tsuji³, Toru Kato³, Yutaka Negishi⁴, Hiroyuki Yamamoto¹, Atsuko Ohno⁵, Tomohiko Nakata¹, Shinji Saitoh⁶, Akihisa Okumura⁷, Jun Natsume¹
(1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 2.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan, 3.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan, 4.Department of Pediatrics, Gifu Prefectural Tajimi Hospital, Tajimi, Japan, 5.Department of Pediatrics, Toyota Municipal Child Development Center, Toyota, Japan, 6.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medicinal Sciences, Nagoya, Japan, 7.Department of Pediatrics, Aichi Medical University, Nagakute, Japan)
- E-018 Reduction of hippocampal volume due to HHV-6B reactivation in pediatric HSCT recipients.
Misa Miyake¹, Naoko Ishihara¹, Jun Natsume², Shigetaka Suzuki³, Yoshiki Kawamura¹, Hiroki Miura¹, Fumihiko Hattori¹, Yoshiyuki Takahashi², Seiji Kojima², Hiroshi Toyama⁴, Tetsushi Yoshikawa¹
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English session 4

Chair: Yuka Ishikawa (Department of Pediatrics, Yakumo National Hospital),
Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine)

Nerve / Muscular disease

- E-019 Safety and effectiveness of nusinersen in SMA type 2 and 3: Assessment of the real world data
Yuko Motohashi¹, Hiroyuki Yajima², Akihiko Ishiyama¹, Eri Takeshita¹, Yoko Kobayashi², Hirofumi Komaki¹, Masayuki Sasaki¹
(1.National Center of Neurology and Psychiatry, Department of Child Neurology, Tokyo, Japan, 2.National Center of Neurology and Psychiatry, Department of Rehabilitation, Tokyo, Japan)
- E-020 FIREFISH Part 1: 1-year motor function results in infants with Type 1 spinal muscular atrophy (SMA)
Laurent Servais^{1,2}, Giovanni Baranello³, John W. Day⁴, Nicolas Deconinck⁵, Eugenio Mercuri⁶, Andrea Klein⁷, Basil Darras⁸, Riccardo Masson^{1,2}, Heidemarie Kletzl⁹, Muna El-Khairi¹⁰, Timothy Seabrook⁹, Marianne Gerber⁹, Ksenija Gorni⁹, Omar Khwaja⁹
(1.Institute of Myology, Paris, France, 2.Reference Center for Neuromuscular Disease, Centre Hospitalier Régional de La Citadelle, Liège, Belgium, 3.Carlo Besta Neurological Research Institute Foundation, Developmental Neurology Unit, Milan, Italy, 4.Department of Neurology, Stanford University, Palo Alto, CA, USA, 5.Queen Fabiola Children's University Hospital, Université Libre de Bruxelles, Brussels, Belgium; Neuromuscular Reference Center UZ Ghent; Ghent, Belgium, 6.Paediatric Neurology and Nemo Center, Catholic University and Policlinico Gemelli, Rome, Italy, 7.University Children's Hospital Basel, Basel, Switzerland; Inselspital, Bern, Switzerland, 8.Boston Children's Hospital, Harvard Medical School, Boston, MA, USA, 9.Roche Pharmaceutical Research and Early Development, Roche Innovation Center Basel, Basel, Switzerland, 10.Roche Products Ltd, Welwyn Garden City, UK)
- E-021 FIREFISH Part 1: 1-year event-free survival and swallowing ability in infants with Type 1 SMA
Timothy Seabrook¹, Laurent Servais^{2,3}, Giovanni Baranello⁴, John W. Day⁵, Nicolas Deconinck⁶, Eugenio Mercuri⁷, Andrea Klein⁸, Basil Darras⁹, Riccardo Masson^{2,3}, Heidemarie Kletzl¹, Muna El-Khairi¹⁰, Marianne Gerber¹, Ksenija Gorni¹, Omar Khwaja¹
(1.Roche Pharmaceutical Research and Early Development, Roche Innovation Center Basel, Basel, Switzerland, 2.Institute of Myology, Paris, France, 3.Reference Center for Neuromuscular Disease, Centre Hospitalier Régional de La Citadelle, Liège, Belgium, 4.Carlo Besta Neurological Research Institute Foundation, Developmental Neurology Unit, Milan, Italy, 5.Department of Neurology, Stanford University, Palo Alto, CA, USA, 6.Queen Fabiola Children's University Hospital, Université Libre de Bruxelles, Brussels, Belgium; Neuromuscular Reference Center UZ Ghent; Ghent, Belgium, 7.Paediatric Neurology

and Nemo Center, Catholic University and Policlinico Gemelli, Rome, Italy, 8.University Children's Hospital Basel, Basel, Switzerland; Inselspital, Bern, Switzerland, 9.Boston Children's Hospital, Harvard Medical School, Boston, MA, USA, 10.Roche Products Ltd, Welwyn Garden City, UK)

- E-022 AVXS-101 Gene Replacement for Spinal Muscular Atrophy Type 1 (SMA1): Pivotal Study (STRIVE) Update
John W. Day¹, Claudia Chiriboga², Thomas O. Crawford³, Richard S. Finkel⁴, Kayoko Saito⁵, Mari Matsuo⁵, Tamaki Kato⁵, Authorship Truncated⁶, Douglas M. Sproule⁷, Jerry R. Mendell⁸
(1.Stanford University Medical Center, Stanford, CA, USA, 2.Columbia University Medical Center, New York, NY, USA, 3.Johns Hopkins Medicine, Baltimore, MD, USA, 4.Nemours Childrens Hospital, Orlando, FL, USA, 5.Tokyo Womens Medical University, Tokyo, Japan, 6.Complete author list will be included at presentation, 7.AveXis, Inc., Bannockburn, IL, USA, 8.Center for Gene Therapy Nationwide Childrens Hospital, Columbus, OH, USA)
- E-023 A Phase 1b/2 study of RG6206 (BMS-986089) in boys with Duchenne muscular dystrophy: 72-week update
Roxana Dreghici¹, Kathryn R. Wagner², Brenda L. Wong^{3,4}, Barry J. Byrne⁵, Cuixia Tian⁴, Leslie K. Jacobsen⁶, Giridhar S. Tiruchera⁶, Michael Rabbia⁷, Heidemarie Kletzl¹, Karl Yen¹, Gautam Sajeev⁸, James Signorovitch^{8,9}, Susan J. Ward⁹, Michelle Krishnan¹
(1.F. Hoffmann-La Roche, Basel, Switzerland, 2.The Johns Hopkins School of Medicine, Baltimore, MD, USA, 3.UMass Memorial Children's Medical Center, Worcester, MA, US, 4.Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA, 5.University of Florida, Gainesville, FL, USA, 6.Bristol-Myers Squibb, Princeton, NJ, USA, 7.Genentech Inc, South San Francisco, CA, USA, 8.Analysis Group, Inc., Boston, MA, USA, 9.Collaborative Trajectory Analysis Project (cTAP), Cambridge, MA, USA)
- E-024 Clinicopathology of muscle-specific *Dag1* knockout mice and effects of systemic transduction with AAV
Takahiro Yonekawa^{1,2}, Sara El-Hattab¹, Kevin P. Campbell¹
(1.Howard Hughes Medical Institute, Department of Molecular Physiology and Biophysics, Department of Neurology, University of Iowa Roy J. and Lucille A. Carver College of Medicine, IA, USA, 2.Department of Pediatrics, Mie University Graduate School of Medicine, Mie, Japan)

English session 5

Chair: Toshiki Takenouchi (Department of Pediatrics, Keio University School of Medicine),
Hitoshi Osaka (Department of Pediatrics, Jichi Medical University)

Genetics / Genetic abnormality

- E-025 Utilization of Juvenility-associated Genes for Treating Pediatric Neurological Diseases
Masaki Mori¹, Takao Morimune^{1,2}, Yousuke Kadota¹, Faidruz Azura Jam¹, Ikumi Tano¹, Yuya Tanaka¹, Haruka Takita¹, Sayumi Akabane¹, Mayu Fukumura¹
(1.Molecular Neuroscience Research Center (MNRC), Shiga University of Medical Science, Japan, 2.Department of pediatrics, Shiga University of Medical Science, Japan)
- E-026 Genetic analysis for Prader-Willi-like syndrome
Daisuke Ieda¹, Kohji Kato^{1,2}, Yuji Nakamura¹, Ikumi Hori¹, Kei Ohashi¹, Yutaka Negishi¹, Ayako Hattori¹, Saitoh Shinji¹
(1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- E-027 Severe mitochondrial neurogastrointestinal encephalomyopathy caused by DNA ligase enzyme deficiency
Mariko Taniguchi-Ikeda^{1,2}, Makiko Tsutsumi², Yoshinobu Oyazato³, Atsushi Nishiyama³, Shunpei Uchino^{4,5}, Masakazu Mimaki⁵, Hiroki Kurahashi^{1,2}
(1.Department of Clinical Genetics, Fujita Health University Hospital, Aichi, Japan, 2.Department of Molecular Genetics, Fujita Health University, Aichi, Japan, 3.Department of Pediatrics, Kakogawa Central City Hospital, Hyogo, Japan, 4.Department of Pediatrics, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, 5.Department of Pediatrics, Teikyo University Graduate School of Medicine, Tokyo, Japan)

- E-028 The Value of AVXS-101 Gene-Replacement Therapy (GRT) for Spinal Muscular Atrophy Type 1 (SMA1)
Omar Dabbous, Douglas M. Sproule, Douglas E. Feltner, Marcus Droege, Farid Khan, Ramesh Arjunji (AveXis, Inc., Bannockburn, Illinois, USA)
- E-029 Novel IARS2 mutations in Japanese siblings with CAGSSS, Leigh, and West syndrome
Yusuke Takezawa¹, Hiromi Fujie², Atsuo Kikuchi¹, Tetsuya Niihori³, Ryo Funayama⁴, Matsuyuki Shirota⁵, Keiko Nakayama⁶, Yoko Aoki³, Masayuki Sasaki⁶, Shigeo Kure¹
(1.Department of Pediatrics, Tohoku University School of Medicine, 2.Department of Pediatrics, Iwaki Kyoritsu General Hospital, Fukushima, Japan, 3.Department of Medical Genetics, Tohoku University School of Medicine, Sendai, Japan, 4.Division of Cell Proliferation, United Centers for Advanced Research and Translational Medicine, Tohoku University Graduate School of Medicine, 5.Division of Interdisciplinary Medical Sciences, United Centers for Advanced Research and Translational Medicine, Tohoku University Graduate School of Medicine, 6.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan)
- E-030 Establishment of Gorlin syndrome model by induced neural progenitor cells
Hajime Ikehara^{1,2}, Katsunori Fuji², Toshiyuki Miyashita³, Tomoko Uchida², Tadashi Shiohama², Hideki Uchikawa⁴, Naoki Shimojo², Akihiro Umezawa¹
(1.Center for Regenerative Medicine, National Research Institute for Child health and Development, Tokyo, Japan, 2.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan, 3.Department of Molecular Genetics, Kitasato University School of Medicine, Kanagawa, Japan, 4.Department of Pediatrics, Eastern Chiba Medical Center, Chiba, Japan)

English session 6

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

Jun Tohyama (Department of Child Neurology, Nishi-Niigata Chuo National Hospital)

Seizure / Electrophysiology / Newborn

- E-031 Application of Ketogenic therapy in treatment of drug-resistant epilepsy due to Alexander disease
Shu Hamada¹, Mariko Shinohara¹, Kengo Kohra¹, Minako Ide¹, Takayuki Tanaka², Tomokatsu Yoshida³, Takeo Kato¹
(1.Department of Pediatric Neurology, Hyogo Prefectural Amagasaki General Medical Center, Amagasaki, Hyogo, Japan, 2.Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan, 3.Department of Neurology, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- E-032 Clinical analysis of complex febrile seizure caused by primary infection of human herpesvirus 6B
Yoshiki Kawamura, Misa Miyake, Soichiro Ishimaru, Naoko Ishihara
(Department of Pediatrics, Fujita Helath University School of Medicine, Toyoake, Japan)
- E-033 Assessment of usability of passive functional mapping for children
Takumi Mitsuhashi, Hidenori Sugano, Madoka Nakajima, Takuma Higo, Yasushi Iimura, Hiroharu Suzuki, Kaito Kawamura, Hajime Arai¹
(Department of Neurosurgery, Juntendo University, Tokyo, Japan)
- E-034 Analysis of phase-amplitude coupling in scalp EEG for focal and generalized onset epileptic spasms
Yasushi Iimura¹, Hidenori Sugano¹, Hiroharu Suzuki¹, Takumi Mitsuhashi¹, Tetsuya Ueda¹, Hiroshi Otsubo², Hajime Arai¹
(1.Department of Neurosurgery, Juntendo University, Tokyo, Japan, 2.Division of Neurology, The Hospital for Sick Children, Toronto, Canada)
- E-035 Sleep improvement by growth hormone by quantitative analysis of overnight electroencephalography.
Noboru Yoshida¹, Tomoyuki Nakazawa², Shinichi Nijima¹
(1.Pediatrics division, Juntendo University Nerima Hospital, Tokyo, Japan 2.Toshima Hospital, Tokyo, Japan)
- E-036 Was caffeine associated with irritable behaviour in preterm infants?
Tomoki Maeda, Kazuhito Sekiguchi, Mizuho Takahashi, Kazuo Okanari
(Department of Pediatrics, Oita University, Oita, Japan)

English session 7

Chair: Norimichi Higurashi (Department of Pediatrics, Jikei University School of Medicine),
Ayataka Fujimoto (Seirei Hamamatsu General Hospital)

Epilepsy

- E-037 Pre-clinical study of the CDKL5 gene replacement therapy tested on the Cdkl5 knockout mouse
Teruyuki Tanaka¹, Zheng Elizabeth¹, Shin-Ichi Muramatsu², Masashi Mizuguchi¹
(1.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, 2.School of Medicine, Jichi Medical University, Tochigi, Japan)
- E-038 Expanding the phenotype of IQSEC2-related epilepsy: suppression burst pattern and VPA exacerbations
Tatsuro Izumi (Department of Pediatrics and Child Neurology, Nanao National Hospital, Ishikawa, Japan)
- E-039 Effective antiepileptic drugs for refractory focal seizures are different by precise seizure symptom
Kenji Sugai^{1,2,3}, Takashi Saito², Eiji Nakagawa², Eri Takeshita², Yuko Motohashi-Shimizu², Akihiko Ishiyama², Hirofumi Komaki², Masayuki Sasaki²
(1.Clinical Department, Soleil Kawasaki Medical Center for the Handicapped, Kawasaki, Japan, 2.Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Japan, 3.Department of Pediatrics, St.Marianna University School of Medicine, Kawasaki, Japan)
- E-040 Language development after surgery of the posterior cortex in children with refractory epilepsy
Tomonori Ono¹, Ryoko Honda¹, Yoshiaki Watanabe¹, Kaoru Ishida², Miwako Wada², Rika Koshimoto², Kohei Adachi³, Shiro Baba⁴, Keisuke Toda⁵, Hiroshi Baba⁶
(1.Epilepsy Center, National Nagasaki Medical Center, Omura, Nagasaki, Japan, 2.Clinical psychology, National Nagasaki Medical Center, Omura, Nagasaki, Japan, 3.Department of Psychology, Faculty of Humanities, Nagasaki Junshin Catholic University, Nagasaki, Japan, 4.Department of Neurosurgery, Nagasaki University School of Medicine, Nagasaki, Japan, 5.Department of Neurosurgery, National Nagasaki Kawatana Medical Center, Kawatana, Nagasaki, Japan, 6.Epilepsy Center, Nishiisahaya Hospital, Isahaya, Nagasaki, Japan)
- E-041 The effectiveness of everolimus for intractable seizures with tuberous sclerosis complex
Tohru Okanishi¹, Ayataka Fujimoto², Shinji Itamura¹, Shimpei Baba¹, Hideo Enoki¹
(1.Department of Child Neurology, Seirei-Hamamatsu General Hospital, 2.Department of Epilepsy and Surgery, Seirei Hamamatsu General Hospital/Shizuoka, Japan)
- E-042 Risk factors of sudden unexpected death in epilepsy from heart rate variability in epilepsy children
Kazuo Okanari, Osamu Kobayashi, Tomoki Maeda (Department of Pediatrics, Oita University Faculty of Medicine, Oita, Japan)

Oral Presentation 1

Chair: Eiji Nakagawa (Department of Child Neurology, National Center, National Center Hospital of Neurology and Psychiatry),
Yushiro Yamashita (Department of Pediatrics & Child Health, Kurume University School of Medicine)

Oral session Award 1

- O-001 A novel therapeutic strategy for genetic splicing defects using small molecule compounds.
Tomonari Awaya^{1,2}, Chizuru Tsuzuki¹, Masahiko Ajiro^{1,3}, Megumu Saito⁴, Masatoshi Hagiwara¹
(1.Department of Anatomy and Developmental Biology, Kyoto University, Kyoto, Japan, 2.Translational Research Department for Skin and Brain Diseases, Kyoto University, Kyoto, Japan, 3.Department of Drug Discovery Medicine, Kyoto University, Kyoto, Japan, 4.Department of Clinical Application, Center for iPS Cell Research and Application, Kyoto University, Kyoto, Japan)
- O-002 The neuroanatomical and developmental outcomes of school-age children with congenital heart disease
Akiko Hiraiwa¹, Yukako Kawasaki¹, Syouhei Kusabiraki¹, Tomomi Tanaka¹, Keijirou Ibuki¹, Sayaka Ozawa¹, Keiichi Hirono¹, Kazushi Miya², Mie Matsui³, Naoki Yoshimura⁴,

Kennichi Ooishi⁵, Fukiko Ichida¹, Yuuichi Adahi¹

(1.Department of Pediatrics, Faculty of Medicine, University of Toyama, Toyama, Japan, 2.Department of educational sciences, Faculty of Human development, University of Toyama, Toyama, Japan, 3.Laboratory of Clinical Cognitive Neuroscience, Institute of Liberal Arts and Science, University of Kanazawa, Kanazawa, Japan, 4.Division of Surgery, Faculty of Medicine, University of Toyama, Toyama, Japan, 5.The Russell H. Morgan Department of Radiology and Radiological Science, The Johns Hopkins University School of Medicine, Maryland, USA)

O-003 Combined genetic analyses for autism spectrum disorder

Kei Ohashi^{1,2}, Masahide Gotou³, Noriko Miyake⁴, Naomichi Matsumoto⁴, Takanori Yamagata³, Shinji Saitoh¹

(1.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.The Aichi Prefectural Federation of Agricultural Cooperatives for Health and Welfare Kainan Hospital, Aichi, Japan, 3.Department of Pediatrics, Jichi Medical University, Tochigi Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine)

O-004 Quantitative assessment of fine motor development in children using magnetic sensors

Takashi Enokizono¹, Tastuyuki Ohto¹, Mai Tanaka¹, Kazushi Maruo², Hidetoshi Takada¹
(1.Department of Pediatrics, University of Tsukuba, Ibaraki, Japan, 2.Department of Clinical Trial and Clinical Epidemiology, University of Tsukuba, Ibaraki, Japan)

O-005 Clinical features who visited outpatient service for dyslexia

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

O-006 Analysis of granzyme B in CSF collected from 38 Rasmussen syndrome patients

Masataka Fukuoka¹, Yukitoshi Takahashi^{1,2,3}, Tetsuhiro Fukuyama¹, Shigeko Nishimura¹, Emiko Takao¹, Risa Kasai¹, Kaoru Enokida¹, Yushi Inoue¹

(1.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan, 2.Department of Pediatrics, Gifu University School of Medicine, Japan, 3.Department of Pharmacy, University of Shizuoka, Japan)

Oral Presentation 2

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

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

Oral session Award 2

O-007 Clinical experience of Nusinersen treatment for SMA.

Sachi Tokunaga, Hideki Shimomura, Chikako Mure, Tomato Lee, Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan)

O-008 The consideration of neurodevelopmental disability in Duchenne muscular dystrophy

Yoshihiko Saito^{1,2}, Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Hirofumi Komaki¹, Masayuki Sasaki¹

(1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-009 Neurocognitive functions of AESD with unilateral cerebral hemisphere lesion

Megumi Nukui^{1,2}, Naohiro Yamamoto¹, Shizuka Nagase¹, Takeshi Inoue¹, Ichiro Kuki¹, Shin Okazaki¹, Kiyoko Amo³, Masao Togawa³, Hisashi Kawawaki¹

(1.The department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan, 2.Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan, 3.Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)

O-010 Incidence of AESD and late reduced diffusion in children with prolonged febrile convulsions

Fumio Ichinose¹, Toshiyuki Maeda¹, Naoya Higuchi², Takuji Nakamura³, Keiko Uda², Daisuke Tajima⁴, Muneaki Matsuo¹

(1.Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan, 2.Saga-Ken Medical Center Koseikan, Saga, Japan, 3.National Hospital Organization Ureshino Medical center, Ureshino, Saga, Japan, 4.Karatsu Red Cross Hospital, Saga, Japan)

- O-011 ^{123}I -IMP SPECT and ^{123}I -IMZ SPECT findings in autoimmune mediated encephalitis
Yuko Hirata¹, Shin-Ichiro Hamano¹, Reiko Koichihara¹, Ryuki Matsuura¹, Satoru Ikemoto¹,
Atsuro Daida¹, Hazuki Nonoyama¹, Yukitoshi Takahashi²
(1.Saitama Children's Medical Center, Saitama, Japan, 2.National Epilepsy Center,
Shizuoka Institute Epilepsy and Neurological Disorders, Shizuoka, Japan)
- O-012 Analysis of human herpesvirus in patients suspected central nervous system infection
Soichiro Ishimaru¹, Yoshiki Kawamura¹, Kei Kozawa¹, Hiroki Miura¹, Naoko Ishihara¹,
Sayuri Shima², Taturu Muto², Tetushi Yoshikawa¹
(1.Department of pediatrics,Fujita Health University,School of Medicine,Tyoake,Japan,
2.Department of Neurology,Fujita Health University,School of Medicine,Toyoake,Japan)

Oral Presentation 3

Chair: Mitsuru Kashiwagi (Department of Pediatrics, Hirakata City Hospital),
George Imataka (Department of Pediatrics, Dokkyo Medical University)

Acute encephalopathy 1

- O-013 Utility of amplitude integrated EEG in pediatric neurological emergency cases
Ippei Hidaka¹, Fumitaka Kouno¹, Hirofumi Inoue¹, Momoko Oka¹, Madoka Hoshide¹,
Takeshi Matsushige¹, Shunji Hasegawa¹
(1.Yamaguchi University Graduate School of Medicine Department of Pediatrics,
Yamaguchi, Japan)
- O-014 Efficacy and safety of midazolam coma therapy for status epilepticus in children
Yusuke Ishida¹, Kazumi Tomioka¹, Tsukasa Tanaka¹, Masahiro Nishiyama¹, Hiroaki
Nagase¹, Shoichi Tokumoto^{1,2}, Hiroshi Yamaguchi^{1,2}, Daisaku Toyoshima², Azusa
Maruyama², Hiroshi Kurosawa³, Kazumoto Iijima¹
(1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan,
2.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan,
3.Department of Pediatric Critical Care Medicine, Hyogo Prefectural Kobe Children's
Hospital, Kobe, Japan)
- O-015 Short-term prognosis of therapeutic protocol change of febrile refractory status epilepticus
Shoichi Tokumoto^{1,2}, Hiroshi Yamaguchi^{1,2}, Daisaku Toyoshima¹, Azusa Maruyama¹,
Yusuke Ishida², Kazumi Tomioka², Tsukasa Tanaka², Masahiro Nishiyama², Hiroaki
Nagase², Kazumoto Iijima²
(1.The Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe,
Japan, 2.The Department of Pediatrics, Kobe University Graduate School of Medicine,
Kobe, Japan)
- O-016 Hypoxic Encephalopathy with a Similar Course to AESD
Shuhei Fujino¹, Asami Itoh^{1,2}, Hiromi Suzuki¹, Yoshikazu Kitami¹, Eri Ogawa¹, Naoki
Shimizu³, Sahoko Miyama¹
(1.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan,
2.Department of Pediatrics, Hiratsuka City Hospital, Kanagawa, Japan, 3.Department of
Intensive Care, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)
- O-017 The determinant of outcome among 34 cases of acute encephalopathy with bright tree appearance
on MRI
Kensuke Sakata, Go Kawano, Takaoki Yokochi, Toru Imagi, Yukihiro Akita, Keizo Ohbu,
Toyojiro Matsuishi (Pediatrics, St Mary's Hospital)
- O-018 An autopsy case of acute encephalopathy with biphasic seizures and late reduced diffusion
Yuka Murofushi¹, Kumi Yasukawa¹, Kentaro Sano¹, Yuri Shirato¹, Yoko Moriyama¹, Ayako
Muto¹, Atsuko Masunaga², Hiroshi Sakuma³, Masaharu Hayashi³, Jun-Ichi Takanashi¹
(1.Department of pediatrics, Tokyo Women's Medical University Yachiyo Medical Center,
Yachiyo, Japan, 2.Department of pathology, Tokyo Women's Medical University Yachiyo
Medical Center, Yachiyo, Japan, 3.Department of Brain Development and Neural
Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

Oral Presentation 4

Chair: Hiroko Tada (Division of Pediatrics, Chibaken Saiseikai Narashino Hospital),
Toshiyuki Seto (Department of Pediatrics, Osaka City University Graduate School of

Medicine)

Acute encephalopathy 2

- O-019 Trends in incidence of acute encephalopathy with bright tree appearance: second report
Yuki Maki¹, Masahiro Kawaguchi¹, Takeshi Suzuki¹, Masaharu Tanaka¹, Yu Okai¹, Yoko Sakaguchi¹, Hiroyuki Yamamoto¹, Tomohiko Nakata¹, Yutaka Negishi^{2,3}, Tatsuya Fukasawa⁴, Hiroyuki Kidokoro¹, Akihisa Okumura⁵, Shinji Saitoh³, Jun Natsume^{1,6}
(1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 2.Department of Pediatrics, Gifu Prefectural Tajimi Hospital, Tajimi, Japan, 3.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medicine, Nagoya, Japan, 4.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan, 5.Department of Pediatrics, Aichi Medical University, Nagakute, Japan, 6.Department of Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- O-020 Review of death case due to acute encephalopathy.
Masaharu Tanaka¹, Masahiro Kawaguchi¹, Takeshi Suzuki¹, Yuki Maki¹, Yu Okai¹, Yoko Sakaguchi¹, Hiroyuki Yamamoto¹, Tomohiko Nakata¹, Hiroyuki Kidokoro¹, Tatsuya Fukasawa², Yutaka Negishi³, Akihisa Okumura⁴, Shinji Saito⁵, Jun Natsume^{1,6}
(1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 2.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan, 3.Department of Pediatrics, Tajimi Hospital, Tajimi, Japan, 4.Department of Pediatrics, Aichi Medical University, Nagakute, Japan, 5.Department of Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 6.Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- O-021 Risk factors of the prognosis in acute encephalopathy encephalitis in Fukushima prefecture
Yukihiko Kawasaki, Yuichi Suzuki, Maki Nodera, Asako Kato, Mitsuaki Hosoya
(The department of Pediatrics, Fukushima Medical University School of Medicine)
- O-022 Prognosis of acute encephalopathy in Tokyo Metropolitan Bokutoh Hospital
Ryutaro Yamada¹, Masahiro Ito², Hisamitsu Tamaki¹
(1.Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan, 2.Tokyo, Japan)
- O-023 Acute encephalopathy/refractory status epilepticus in children with tuberous sclerosis complex
Shingo Numoto¹, Hirokazu Kurahashi¹, Hideyuki Iwayama¹, Atsushi Sato², Masaya Kubota³, Takashi Shiihara⁴, Toru Okanishi⁵, Ryuta Tanaka⁶, Ichiro Kuki⁷, Tetsuhiro Fukuyama⁸, Akihisa Okumura¹
(1.Department of Pediatrics, Aichi Medical University, 2.Department of Pediatrics, Tokyo University Graduate School of Medicine, 3.Department of Neurology, National Center for Child Health and Development, 4.Department of Neurology, Gunma Children's Medical Center, 5.Department of Child Neurology, Seirei Hamamatsu General Hospital, 6.Ibaraki Children's Hospital, 7.Department of Pediatric Neurology, Osaka City General Hospital, 8.Department of Neurology, Nagano Children's Hospital)
- O-024 Acute encephalopathy/refractory status epilepticus in children with tuberous sclerosis complex
Shingo Numoto¹, Hirokazu Kurahashi¹, Hideyuki Iwayama¹, Atsushi Sato², Masaya Kubota³, Takashi Shiihara⁴, Toru Okanishi⁵, Ryuta Tanaka⁶, Ichiro Kuki⁷, Tetsuhiro Fukuyama⁸, Mitsuru Kashiwagi⁹, Akihisa Okumura¹
(1.Department of Pediatrics, Aichi Medical University, Aichi, Japan, 2.Department of Pediatrics, Tokyo University Graduate School of Medicine, 3.Department of Neurology, National Center for Child Health and Development, 4.Department of Neurology, Gunma Children's Medical Center, 5.Department of Child Neurology, Seirei Hamamatsu General Hospital, 6.Ibaraki Children's Hospital, 7.Department of Pediatric Neurology, Osaka City General Hospital, 8.Department of Neurology, Nagano Children's Hospital, 9.Department of Pediatrics, Hirakata City Hospital)

Oral Presentation 5

Chair: Tomohide Goto (Department Neurology, Kanagawa Children's Medical Center),
Yusaku Miyamoto (Division of Pediatric, Kawasaki Municipal Tama Hospital, St.
Marianna University School of Medicine)

Epilepsy: Social issues

- O-025 Optimal doses of H1 antihistamines do not increase susceptibility to febrile convulsions in children
Kousuke Yonemoto¹, Hiroshi Koga², Yasunari Sakai¹, Kazuo Okanari³, Masafumi

- Sanefuji⁴, Yoshito Ishizaki¹, Michiko Torio¹, Yuko Ichimiya¹, Yuri Sonoda¹, Shouichi Ohga¹
(1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 2.Department of Pediatrics, National Hospital Organization Beppu Medical Center, Oita, Japan, 3.Department of Pediatrics, Oita University Faculty of Medicine, Oita, Japan, 4.Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan)
- O-026 Correlation between menstrual cycle dysfunction with epileptic women and antiepileptic drugs
Mieko Yoshioka (Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged, Kobe, Hyogo, Japan)
- O-027 Seizures of children presenting to emergency department in the resource-limited area
Anna Shiraki¹, Masahiro Yasui¹, Shinji Kido¹, Hideo Ando¹, Hiroyuki Kidokoro², Jun Natsume²
(1.Pediatrics, Nakatsugawa Municipal General Hospital, Nakatsugawa, Japan, 2.Pediatrics, Nagoya University Hospital, Nagoya, Japan)
- O-028 Prevalence of childhood convulsive disorder in Yamanashi prefecture
Sonoko Mizorogi^{1,2}, Hideaki Kanemura¹, Masao Aihara³
(1.Department of Pediatrics, University of Yamanashi, Yamanashi, Japan, 2.Department of Health Sciences, University of Yamanashi, Yamanashi, Japan, 3.Faculty of Medicine, Graduate school, University of Yamanashi, Yamanashi, Japan)
- O-029 Effects of transitional care for children with neurological disease: A secondary analysis of RCT
Seigo Suzuki², Atsushi Satou³, Mayumi Nakamura^{1,2}, Asuka Kobayashi^{1,2}, Miwa Iwasaki⁴, Yoichiro Hirata³, Sachiko Kita^{1,2}, Iori Sato^{1,2}, Kiyoko Kamibeppu^{1,2}
(1.Tokyo Medhical University, Tokyo, Japan, 2.Department of Health Quality and Outcome Research, Global Nursing Research Center, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, 3.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 4.Department of Nursing, The University of Tokyo Hospital, Tokyo, Japan)
- O-030 A survey on utilization status of social welfare services for pediatric patients with epilepsy
Junko Umeno^{1,2}, Fumika Endoh¹, Katsuhiko Kobayashi¹
(1.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan, 2.Faculty of Welfare and Information, Tokuyama University, Yamaguchi, Japan)

Oral Presentation 6

Chair: Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi),

Atsushi Kamei (Department of Pediatrics, School of Medicine, Iwate Medical University)

Epilepsy: Diagnosis

- O-031 Two cases of juvenile myoclonic epilepsy presenting with myoclonic status epilepticus
Akane Tominaga¹, Tatsuharu Sato¹, Atsushi Shimasaki¹, Takuya Hayashida¹, Nanako Nishiguchi¹, Hiroyuki Moriuchi¹, Miki Inutsuka²
(1.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan, 2.Department of Pediatrics, Sasebo Chuo Hospital, Sasebo, Japan)
- O-032 A 4 years old boy presented the eating provoked late-onset epileptic spasms: case report.
Masatoshi Nogita¹, Mitsuru Ikeno¹, Shinpei Abe¹, Tomoyuki Nakazawa², Shinichi Niijima³, Toshiaki Shimizu¹
(1.Department of Pediatrics, Juntendo University, Tokyo, Japan, 2.TOSHIMA Hospital, Tokyo, Japan, 3.Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan)
- O-033 A case with focal epilepsy presenting astatic seizures
Motomasa Suzuki, Yasuko Kojima, Mahito Aobe, Yusuke Aoki, Kazuya Itomi (Department of Pediatric Neurology, Aichi Children's Health and Medical Center)
- O-034 Two cases of SCN8A-related epilepsy with characteristic involuntary movement.
Kenji Inoue¹, Hideaki Mashimo¹, Satoko Kumada¹, Konomi Shimoda², Naomi Tsutida³, Kouhei Hamanaka³, Satoko Miyatake³, Naomichi Matsumoto³, Mitsuhiro Kato⁴, Mika Nakazawa⁵, Mitsuru Ikeno⁶, Hiroya Nishida¹, Atsuko Arisaka¹, Mitsumasa Fukuda¹
(1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.Department of Pediatrics, The University of Tokyo, Tokyo, Japan, 3.Department

- of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 4. Department of Pediatrics, Showa University, Tokyo, Japan, 5. Department of Pediatrics, San-ikukai Hospital, Tokyo, Japan, 6. Department of Pediatrics and Adolescent Medicine, Juntendo University Hospital, Tokyo, Japan)
- O-035 Utility of long-term video-EEG monitoring to identify seizure type in epilepsy patients. Yuichi Tateishi^{1,2}, Nobutsune Ishikawa^{1,2}, Hiroo Tani^{1,2}, Yoshiyuki Kobayashi^{1,2}, Masao Kobayashi¹
(1. The Department of Pediatrics, University of Hiroshima, Hiroshima, Japan, 2. Epilepsy Center, University of Hiroshima, Hiroshima, Japan)
- O-036 Advanced dynamic statistical parametric mapping for focal cortical dysplasia at bottom of sulcus Midori Nakajima^{1,2}, Yuuki Ueda¹, Kiyoshi Egawa¹, Ayako Ochi², Hideaki Shiraishi¹, Hiroshi Otsubo²
(1. Department of Pediatrics, Hokkaido University Hospital, Sapporo, Hokkaido, Japan, 2. Division of Neurology, The Hospital for Sick Children, Toronto, ON, Canada)

Oral Presentation 7

Chair: Kenjiro Kikuchi (Department of Pediatrics, The Jikei University School of Medicine),
Kuriko Shimono (United Graduate School of Child Development, Osaka University)

Epilepsy: Others

- O-037 Language acquisition and cognition in patients with epileptic spasms
Yoshiko Iwatani^{1,2,3}, Kuriko Shimono^{1,2,3}, Rie Nakai^{1,3}, Ryoko Hayashi^{1,3}, Junpei Tanigawa^{1,3}, Koji Tominaga^{1,2,3}, Shin Nabatame^{1,3}, Masako Taniike^{1,2}, Keiichi Ozono^{1,3}
(1. Department of Pediatrics, Graduate School of Medicine, Osaka University, Osaka, Japan, 2. Department of Child Development, United Graduate School of Child Development, Osaka University, Osaka, Japan, 3. Osaka University Hospital Epilepsy Center)
- O-038 West syndrome NHO-Japan 512 case early treatment study: long-term seizure outcome of 1st treatment
Yukitoshi Takahashi^{1,7}, Jun Tohyama^{2,7}, Tomoko Kirino^{3,7}, Yumi Fujiwara^{3,7}, Chizuru Ikeda^{4,7}, Shigeki Tanaka^{5,7}, Jyunya Takahashi^{6,7}, Toshihiko Shinoki^{6,7}, Hiroshi Shiraga⁷, Takushi Inoue⁷, Hiroshi Fujita⁷, Motoki Bonno⁷, Masayoshi Nagao⁷, Hideo Kaneko⁷, Yushi Inoue^{1,7}
(1. National epilepsy center, Shizuoka institute of epilepsy and NDs, NHO, Shizuoka, Japan, 2. Nishi-Niigata Chuo National Hospital, NHO, Niigata, Japan, 3. Shikoku Medical Center for Children and Adults (SMCCA), NHO, Zentsuji, Japan., 4. Kumamoto Saishunso National hospital, NHO, Goushi, Japan., 5. National Hospital Nagasaki Medical Center, NHO, Omura, Japan., 6. National Mie Hospital, NHO, Tsu, Japan, 7. National hospital organization, NHO, Tokyo.)
- O-039 Effect of Vigabatrin on intractable epileptic spasms with underlying disorders other than TSC
Kentaro Shirai¹, Kouji Takahashi¹, Yumie Tamura¹, Akiko Haibara¹, Tomohiro Nakayama², Makoto Sutho³, Akimitsu Watanabe¹
(1. Department of Pediatrics, Tsuchiura Kyodo General Hospital, Tsuchiura, Ibaraki, Japan, 2. Department of Pediatrics, Ibaraki Prefectural University of Health Sciences Hospital, Ami, Ibaraki, Japan, 3. Department of Ophthalmology, Tsuchiura Kyodo General Hospital, Tsuchiura, Ibaraki, Japan)
- O-040 A case of early myoclonic encephalopathy with a novel *SCN1A* mutation well responded to perampanel.
Hiroo Tani^{1,2}, Nobutsune Isikawa^{1,2}, Yoshiyuki Kobayashi^{1,2}, Yuichi Tateishi^{1,2}, Mitsuhiro Kato³, Naomichi Matsumoto⁴, Toshiyuki Itai⁴, Satoko Miyatake⁴, Masao Kobayashi¹
(1. Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan, 2. Epilepsy Center, Hiroshima University Hospital, Hiroshima, Japan, 3. Department of Pediatrics, Showa University School of Medicine, 4. Department of Human Genetics, Yokohama City University Graduate School of Medicine)
- O-041 Apneic Seizure with Cardiac Asystole as Epileptic Ictal Manifestation: A Case Report
Kaori Sassa^{1,2}, Katsuhiko Tabata¹, Takeshi Koga¹, Hideo Yamanouchi^{1,2}
(1. Department of Pediatrics, Saitama Medical University Hospital, 2. Comprehensive Epilepsy Center, Saitama Medical University Hospital)
- O-042 Supply problem in therapeutic milks including keton-formula for refractory epilepsy.
Tetsuya Ito, Kimitoshi Nakamura, Yuko Hamasaki, Shinobu Ida, Yukitoshi Takahashi,

Toshihiro Ohura (MHLW Grants, Nakamura Section, Therapeutic milk working group, Japan)

Oral Presentation 8

Chair: Akio Nakai (Graduate School of Clinical Education & The Center for the Study of Child Development, Institute for Education, Mukogawa Women's University),
Junichi Oki (Department of Pediatrics, Asahikawa-Kosei Hospital)

Autism spectrum disorder

O-043 The influence of Guanfacine treatment on Tympanic deep body temperature; Third report of biomarker.

Tomohiro Nakayama^{1,2}, Haruka Ooguro¹, Naoko Nakayama², Kayo Tokaji¹, Junko Nakayama¹, Nobuaki Iwasaki¹

(1.Department of Pediatrics, Ibaraki Prefectural University of Health Sciences, Ami, Japan, 2.Department of Pediatrics, Matsudo Clinic, Matsudo, Japan)

O-044 Research of ASD-Child Participating in Birth and Three-Generation Cohort Study of TMM Project

Tomoko Kobayashi^{1,2}, Mika Kobayashi¹, Chizru Yamanaka², Shinichi Kuriyama², Shigeo Kure¹

(1.Center for the Child Cohort, Tohoku Medical Megabank Organization, Tohoku University, Sendai, Japan, 2.The Group of the Birth and Three-Generation Cohort, Tohoku Medical Megabank Organization, Tohoku University, Sendai, Japan)

O-045 A cohort study about autistic behavior by SRS-2 and preferential looking by Gaze Finder

Tatsuya Koeda¹, Sawako Ooba², Yoshihiro Maegaki³
(1.Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan, 2.Gradyate School of Medicine, Tottori University, Yonago, Japan, 3.Institute of Child neurology, Tottori University, Yonago, Japan)

O-046 Study of Trauma in Developmental Disorder from the Viewpoint of Developmental Trauma Disorder

Junichi Furusho^{1,2}, Kozue Kobayashi², Akira Houjyo², Mitsuhiro Kato²
(1.College of Education, Psychology and Human Studies, Department of Education, Aoyamagakuin University, Tokyo, Japan, 2.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

O-047 Evaluation of Brain perfusion in autistic brain. -Arterial spin labeling MRI study-
Tatsuo Mori¹, Hiromichi Ito^{1,2}, Aya Goji¹, Yoshihiro Toda¹, Kenji Mori^{1,3}, Masafumi Harada⁴, Shoji Kagami¹

(1.Department of Pediatrics, Tokushima University, Tokushima, Japan, 2.Department of Special Needs Education, Graduate School of Education, Naruto University of Education, Tokushima, Japan., 3.Department of Child Health & Nursing, Institute of Biomedical Sciences, Tokushima University Graduate School, Tokushima, Japan., 4.Department of Radiology, Tokushima University, Tokushima, Japan.)

O-048 Keratomalacia due to vitamin A deficiency caused by unbalanced diet of autism spectrum disorder

Takeshi Miyamoto (Department of Pediatrics Hamamatsu Medical Center, Hamamatsu, Japan)

Oral Presentation 9

Chair: Miho Fukui (Department of Pediatrics, Osaka Medical College),
Masaharu Hayashi (School of Nursing, College of Nursing and Nutrition, Shukutoku University)

Autism / ADHD / Child development

O-049 Evaluation of oxidative stress in patients with autism spectrum disorder

Toshiaki Hashimoto¹, Masahito Morimoto¹, Yoshimi Tsuda¹, Taisuke Kitaoka², Shojirou Kyotani²

(1.JRC Tokushima Hinomine Rehabilitation Center for People with Disabilities, Tokushima, Japan, 2.Tokushima Bunri University, Graduate School of Pharmaceutical Sciences, Tokushima, Japan)

- O-050 Spontaneous eye blink rate (EBR) in ADHD and Tic disorder/Tourette syndrome
Michiko Kawai, Nahoko Ueda-Katayama, Ryosuke Urabe, Sato Suzuki-Muromoto, Go Takei, Itaru Hayakawa, Yuichi Abe, Masaya Kubota (Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)
- O-051 Study on language formation process of very low birth weight infants (Using formant analysis)
Hidetaka Maebayashi¹, Satoshi Takada^{2,3}, Tetsuya Takiguchi⁴, Tsuyoshi Kitamura⁴
(1. Faculty of Humanities and Education, The University of Shimane, Shimane, Japan, 2. Kobe City Pediatric and General Rehabilitation, Hyogo, Japan, 3. Graduate School of Health Sciences, Kobe University, Hyogo, Japan, 4. Graduate School of System Informatics, Kobe University, Hyogo, Japan)
- O-052 The effect of therapy on children at puberty with attention deficit hyperactivity disorder
Kazunori Motoyama, Mitsuhiro Matsuo (Nagasaki Prefectural Medical and Welfare Center for Handicapped Children)
- O-053 Fetal development of the human principal inferior olivary nucleus: a morphometric study
Katsuyuki Yamaguchi (Department of Pathology, Dokkyo Medical University, Mibu, Japan)
- O-054 Biochemical and morphological characterization of an ID/ASD-related molecule, MacroD2
Koh-Ichi Nagata, Rika Morishita, Makoto Mizuno, Noriko Kawamura, Hidenori Tabata, Hidenori Ito¹ (Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center)

Oral Presentation 10

Chair: Ayumi Seki (Graduate School of Education, Hokkaido University),
Tatsuya Koeda (Department of Psychosocial Medicine, National Center for Child Health and Development)

Learning disability

- O-055 Relationship between Vocabulary and Academic Achievement in developmental dyslexia
Mekumi Mizuta¹, Tomohito Okumura¹, Makoto Nakanishi¹, Naoko Kurimoto¹, Takashi Takeshita¹, Yuka Nishioka¹, Eiji Wakamiya^{1,2}, Hiroshi Tamai^{1,3}
(1. LD Center, Osaka Medical College, Osaka, Japan, 2. Course of Nursing, Faculty of Health Care, Aino University, Osaka, Japan, 3. Department of Pediatrics, Osaka Medical College, Osaka, Japan)
- O-056 Relationship between reading/writing skills and quality of life in learning difficulties
Tomohito Okumura¹, Tomoko Miura^{1,2}, Makoto Nakanishi¹, Miho Fukui^{1,3}, Mari Toshikawa⁴, Shuichi Shimakawa^{1,4}, Eiji Wakamiya^{1,5}, Hiroshi Tamai^{1,5}
(1. Osaka Medical College, LD Center, Takatsuki, Japan, 2. Seikeikai Hospital, Sakai Seikeikai LD Center, Sakai, Japan, 3. Osaka Medical College, Department of Pediatrics, Takatsuki, Japan, 4. Seikeikai Hospital, Department of Pediatrics, Sakai, Japan, 5. Aino University, Faculty of Nursing and Rehabilitation, Ibaraki, Japan)
- O-057 Delayed improvement after the intervention with RTI approach for developmental dyslexia
Ayumi Seki¹, Hitoshi Uchiyama², Hisakazu Yanaka³, Tatsuya Koeda⁴
(1. Faculty of Education, Hokkaido University, Sapporo, Japan, 2. The University of Shimane, Matsue, Japan, 3. Faculty of Regional Sciences, Tottori University, Tottori, Japan, 4. National Center for Child Health and Development, Tokyo, Japan)
- O-058 Evaluation of the frontal function in reading tasks: a near-infrared spectroscopy study
Kenji Mori¹, Aya Goji², Tatsuo Mori², Yoshihiro Toda², Hiromichi Ito², Masahito Miyazaki², Shoji Kagami²
(1. Department of Child Health & Nursing, Tokushima University Graduate School, Tokushima, Japan, 2. Department of Pediatrics, Tokushima University Graduate School, Tokushima, Japan)
- O-059 Clinical features of developmental dyslexia comorbid with developmental coordination disorder.
Makio Oka¹, Akio Nakai², Truko Morooka¹, Koru Hanafusa¹, Yasuko Tsushima³, Yoshiyuki Hanaoka¹, Mari Akiyama¹, Katsuhiko Kobayashi¹
(1. Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science and Okayama University Hospital, Okayama, Japan, 2. Graduate School of Clinical Education & The Center for the Study of Child Development, Institute for Education, Mukogawa Women's University, Nishinomiya, Japan, 3. Faculty of Education, Shujitsu University)

- O-060 Cohort study for screening children with dyscalculia
Sawako Ooba¹, Yoshihiro Maegaki¹, Tatsuya Koeda²
(1.Tottori University Hospital Department of Child Neurology, Tottori, Japan, 2.National Center for Child Health and Development, Tokyo, Japan)

Oral Presentation 11

Chair: Kazuo Kubota (Department of Pediatrics, Gifu University Graduate School of Medicine),
Tetsuya Ito (Department of Pediatrics, Fujita Health University School of Medicine)

Metabolic disease

- O-061 Neurological prognosis of organic academia with liver transplantation in a center.
Shirou Matsumoto¹, Fumio Endo², Yukihiro Inomata^{3,4}, Hiroshi Mitsubuchi¹, Kimitoshi Nakamura¹
(1.Department of Pediatrics, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan, 2.Kumamoto-Ezuko Medical Center for the Severely Disabled, Kumamoto, Japan, 3.Labor Welfare Corporation, Kumamoto Rosai Hospital, Yatsushiro, Kumamoto, Japan, 4.Department of Transplantation and Pediatric Surgery, Graduate School of Medical Sciences, Kumamoto University, Kumamoto City, Kumamoto, Japan)
- O-062 Diagnostic process and neuroimages in ALD children with initial symptoms of higher brain dysfunction
Kazuo Kubota¹, Hiroki Kawai¹, Shigeo Takashima², Toshiyuki Fukao¹, Nobuyuki Shimozawa²
(1.Department of Pediatrics, Gifu University Graduate School of Medicine, Gifu, Japan, 2.Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan)
- O-063 A case of Wilson disease patient with psychiatric symptoms
Miku Hattori, Shinji Utsunomiya, Ayumi Hayashi, Chieko Ito, Norikazu Shimizu, Tsugutoshi Aoki (Pediatrics, TOHO University Ohashi Medical Center)
- O-064 Treatment for Wilson disease with neurological symptoms
Ayumi Hayashi, Norikazu Shimizu, Tsugutoshi Aoki (Department of Pediatrics, Toho University Ohashi medical center, Tokyo, Japan)
- O-065 Aconitase 2 deficiency with cerebellar atrophy diagnosed by whole exome sequencing and enzyme assay
Keitaro Yamada¹, Masahide Fukada², Hiroto Saito³, Sumire Kumai¹, Yosuke Hosokawa¹, Chikako Ogawa¹, Naoko Kurahashi¹, Naomichi Matsumoto⁴, Atsuo Nakayama², Koichi Maruyama¹
(1.Department of Pediatric Neurology, Aichi Developmental Disability Center, Aichi Human Service Center, Kasugai, Aichi, Japan, 2.Department of Embryology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi, Japan, 3.Biochemistry Department, Hamamatsu University School of Medicine, Hamamatsu, Shizuoka, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Kanagawa, Japan)
- O-066 Study of serum EPA / AA ratio in Reversible Cerebral Vasoconstriction Syndrome
Tsuyoshi Matsuoka, Masato Hiyane (Division of Child Neurology, Okinawa Prefectural Nanbu Medical Center and Children's Medical Center, Haerbaru, Japan)

Oral Presentation 12

Chair: Takashi Saito (Department of Child Neurology, National Center Hospital of Neurology and Psychiatry),
Yukihiro Kitai (Department of Pediatric Neurology, Bobath Memorial Hospital)

Cerebral palsy 1

- O-067 The distribution of the etiology of dyskinetic cerebral palsy
Yukihiro Kitai, Satori Hirai, Kaeko Ogura, Naomi Okuyama, Mika Hirotsune, Satoshi Mizutani, Hiroshi Arai (The department of pediatric neurology, Bobath Memorial Hospital, Osaka, Japan)
- O-068 Analysis of bone densities of individuals with severe motor and intellectual disabilities
Takashi Ichiyama, Fumitaka Kouno, Hironori Matsufuji, Hiroshi Isumi, Yoshitsugu Sugio

(Department of Pediatrics, Tsudumigaura Medical Center for Children with Disabilities, Yamaguchi, Japan)

- O-069 Negative pressure pulmonary edema and hemorrhage in a severely disabled child with tracheotomy
Hiroaki Ono¹, Yuji Fujii²
(1.The Department of Pediatrics, Hiroshima Prefectural Hospital,Hiroshima,Japan, 2.The Department of Pediatrics,Hiroshima City Funairi Citizens Hospital,Hiroshima, Japan)
- O-070 Essential fatty acid deficiency in patients with severe motor and intellectual disabilities
Yasuo Hachiya, Chinatsu Seki, Hiromi Seki (The Department of Pediatrics, National Hospital Organization Higashinagano Hospital, Nagano, Japan)
- O-071 A case with cerebral palsy that led to a discharge using Flex mode of the ITB therapy
Toshihide Watanabe, Kouki Nikaidou (Department of pediatrics,Hokkaido Medical Center for Child Health and Rehabilitation,Sapporo,Japan)
- O-072 Utility of salivagram in pulmonary aspiration in sever motor and intellectual deficit.
Tomoko Tando¹, Yusuke Goto¹, Masao Aihara²
(1.Yamanashi prefectural central hospital pediatric, Yamanashi/Japan, 2.Yamanashi university graduate school general research department, Yamanashi/Japan)

Oral Presentation 13

Chair: Michio Fukumizu (Segawa Memorial Neurological Clinic for Children),
Hajime Tanaka (Asahikawa Habilitation Center for Children)

Involuntary movement / Basal ganglia disease

- O-073 A case of myoclonus-dystonia (DYT 11)
Tomoya Hamada¹, Takatoshi Hosokawa^{1,2}, Shiho Saitou¹, Masayuki Ishihara¹, Hirokazu Huruaya³, Mamoru Ouchida⁴, Iori Ohmori⁵, Erika Abe⁶, Itaru Toyoshima⁶, Satoko Kumada⁷, Humihiko Hamada⁸, Mikiya Fujieda¹
(1.Kochi Medical School , Kochi , Japan, 2.Hosogi hospital , Kochi , Japan, 3.Kochi Medical School , Kochi , Japan, 4.GRADUATE SCHOOL OF MEDICINE DENTISTRY AND PHARMACEUTICAL SCIENCES,OKAYAMA UNIVERSITY , Okayama , Japan, 5.Okayama University Graduate School of Education / Faculty of Education , Okayama , Japan, 6.National Hospital Organization Akita National Hospital , Akita , Japan, 7.TOKYO METROPOLITAN NEUROLOGICAL HOSPITAL , Tokyo , Japan, 8.HAMADA KIDS CLINIC , Kochi , Japan)
- O-074 Dopa-responsive abnormal eye movements prompt detection of SPR mutations and SR deficiency diagnosis
Yu Nakagama¹, Kohei Hamanaka², Haruo Shintaku³, Satoko Miyatake², Naomichi Matsumoto², Takashi Kuze⁴, Nobutaka Shimizu⁴, Koji Hirohata¹, Masakazu Mimaki⁵
(1.Department of Pediatrics, The University of Tokyo, Tokyo, Japan, 2.Department of Human Genetics, Yokohama City University, Yokohama, Japan, 3.Department of Pediatrics, Osaka City University, Osaka, Japan, 4.Department of Pediatrics, Yaizu City Hospital, Yaizu, Japan, 5.Department of Pediatrics, Teikyo University, Tokyo, Japan)
- O-075 A patient with adolescence-onset cervical dystonia carrying a novel mutation of KMT2B
Kyoko Hoshino¹, Yuri Nagao¹, Michio Fukumizu¹, Kazue Kimura¹, Masaharu Hayashi¹, Ikuko Suzuki², Toshitaka Kawarai³, Ryuji Kaji³, Yoshiteru Azuma⁴, Naomichi Matsumoto⁴
(1.Segawa Memorial Neurological Clinic for Children, Tokyo, Japan, 2.Pediatrics, Hikarinoie Ryoiku Center, Saitama, Japan, 3.Tokushima University, Tokushima, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine)
- O-076 A case with ATP1A3 mutation diagnosed as psychogenic lower limb pain and selective mutism
Shohei Nomura¹, Mithuru Kashiwagi¹, Takuya Tanabe², Tizu Ooba¹, Nobuhiko Okamoto³, Hiroshi Tamai⁴
(1.The Department of Pediatrics, Hirakata Municipal Hospital, Osaka, Japan, 2.Department of Pediatric Neurology, Tanabe Pediatric Clinic, 3.Department of Medical Genetics, Osaka Women's and Children's Hospital, 4.Department of Pediatrics, Osaka Medical College, Osaka, Japan)
- O-077 Pallidal stimulation for patients with KMT2B mutations.
Hideaki Mashimo¹, Satoko Kumada¹, Yohane Miyata^{1,5}, Yasuo Hachiya⁶, Ayako Hattori⁴, Hiroya Nishida¹, Kenji Inoue¹, Atsuko Arisaka¹, Mitsumasa Fukuda¹, Fusako Yokochi²,

Makoto Taniguchi³, Toshitaka Kawai⁷, Kouhei Hamanaka⁸, Satoko Miyatake⁸, Naomichi Matsumoto⁸

(1.The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.The Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 3.The Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 4.Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan, 5.The Department of Pediatrics, Kyorin University Hospital, Tokyo, Japan, 6.The Department of Pediatrics, Higashi-Nagano Hospital, Nagano, Japan, 7.The Department of Neurology, Tokushima University Hospital, Tokushima, Japan, 8.The Department of human genetics, Yokohama City University Graduate School of Medicine, Kanagawa, Japan)

O-078 Effect of gabapentin on sustained state of hypertonia

Manabu Tanaka¹, Yuuko Nakamura²

(1.Division of General Pediatrics, Saitama Children's Medical Center, Saitama, Japan, 2.Division of Critical Care Medicine, Saitama Children's Medical Center, Saitama, Japan)

Oral Presentation 14

Chair: Eri Takeshita (National Center of Neurology and Psychiatry, National Center Hospital), Yukitoshi Ishikawa (Department of Pediatrics, National Yakumo Hospital)

Muscular disease 1

O-079 Respiratory management with transcutaneous CO₂ monitoring in Duchenne type muscular dystrophy

Shin-Ichi Uchiyama, Kazuhide Imai, Kazuya Goto (Pediatrics, Nishibeppu National Hospital, Oita, Japan)

O-080 Sleep disordered breathing in children with Duchenne muscular dystrophy and cardiomyopathy
Yuka Ishikawa, Yukitoshi Ishikawa (Department of Pediatrics, National Organization Yakumo Hospital, Hokkaido, Japan)

O-081 Nutritional management for Duchenne muscular dystrophy patients with autistic characteristics

Rie Suzuki, Seiko Itomi, Soichi Mukaida, Kazuhiro Shiraishi (National Hospital Organization Utano Hospital, Kyoto, Kyoto, Japan)

O-082 Experiences of advanced care planning for Duchenne muscular dystrophy

Fumihito Nozaki, Tomohiro Kumada, Minoru Shibata, Anri Hayashi, Saeko Sasaki, Mioko Mori, Atsushi Mori, Kenji Inoue, Takashi Kusunoki, Tatsuya Fujii (Department of Pediatrics, Shiga Medical Center for Children, Shiga, Japan)

O-083 Diagnostic process and clinical picture of brothers with Duchenne muscular dystrophy

Eri Takeshita¹, Hisateru Tachimori², Yuko Motohashi¹, Akihiko Ishiyama¹, Hirofumi Komaki^{1,2}, Ikuya Nonaka¹, Masayuki Sasaki¹

(1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-084 Clinical characterization of long-term ambulatory Duchenne muscular dystrophy patients

Ayami Ozaki¹, Eri Takeshita¹, Hirofumi Komaki^{1,2}, Hisateru Tachimori², Yuko Motohashi¹, Akihiko Ishiyama¹, Takashi Saito¹, Eiji Nakagawa¹, Ikuya Nonaka^{1,3}, Narihiro Minami^{3,4,5}, Ichizo Nishino³, Masayuki Sasaki¹

(1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 5.Medical Genome Center, National Center of Neurology and Psychiatry, Tokyo, Japan)

Oral Presentation 15

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

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

Muscular disease 2

- O-085 A questionnaire survey of intellectual development in Fukuyama congenital muscular dystrophy
Minobu Shichiji¹, Keiko Ishigaki¹, Ayaka Yamashita², Takatoshi Sato¹, Satoru Nagata¹
(1.Department of pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Tokyo Women's Medical University, Tokyo, Japan)
- O-086 Efficacy of corticosteroids therapy for Fukuyama congenital muscular dystrophy
Terumi Murakami^{1,2}, Takatoshi Sato¹, Michiru Adachi³, Kumiko Iahiguro¹, Minobu Shichiji¹, Satoru Nagata¹, Keiko Ishigaki¹
(1.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Neurology, National Hospital Organization East Saitama National Hospital, Saitama, Japan, 3.Department of Rehabilitation, Tokyo Women's Medical University, Tokyo, Japan)
- O-087 A case of muscular dystrophy-dystroglycanopathy type B3 carrying novel variants in *POMGNT1*
Kazuyuki Nakamura¹, Takahiro Abiko¹, Ichizo Nishino², Youhei Yamamoto³, Tetsuo Mitsui¹
(1.Department of Pediatrics, Faculty of Medicine, Yamagata University, Yamagata, Japan, 2.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Neonatology, Aomori Prefectural Central Hospital, Aomori, Japan)
- O-088 Urinary titin fragment in Fukuyama congenital muscular dystrophy
Takatoshi Sato¹, Naoko Taniguchi¹, Kumiko Ishiguro¹, Minobu Shichiji¹, Terumi Murakami¹, Hiroyuki Awano², Taku Shirakawa³, Masafumi Matsuo³, Satoru Nagata¹, Keiko Ishigaki¹
(1.Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan, 2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 3.Department of Physical Therapy, Faculty of Rehabilitation, Kobe Gakuin University, Kobe, Japan)
- O-089 The level of urinary titin of SMA patients is higher than that of healthy control
Hiroyuki Awano¹, Masashi Nagai¹, Ryosuke Bo¹, Taku Shirakawa², Nobuhiro Maruyama³, Hisahide Nishio², Masafumi Matsuo², Kazumoto Iijima¹
(1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 2.Department of Physical Therapy, Faculty of Rehabilitation, Kobe Gakuin University, Kobe, Japan, 3.Diagnostic & Research Regents Division, Immuno-Biological Laboratories, Ltd., Fujioka, Japan)
- O-090 A study of 6-MSITC to evaluate proteolysis inhibition effect in Duchenne muscular dystrophy
Hiroyuki Awano¹, Masashi Nagai¹, Ryosuke Bo¹, Masaaki Matsumoto², Taku Shirakawa³, Nobuhiro Maruyama⁴, Yo-Ichi Nabeshima⁵, Masafumi Matsuo³, Kazumoto Iijima¹
(1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 2.National Center for Child Health and Development, Tokyo, Japan, 3.Department of Physical Therapy, Faculty of Rehabilitation, Kobe Gakuin University, Kobe, Japan, 4.Immuno-Biological Laboratories Co., Ltd., Fujioka, Japan, 5.Foundation for Biomedical Research and Innovation, Kobe, Japan)

Oral Presentation 16

Chair: Tomonari Awaya (Department of Anatomy and Developmental Biology, Kyoto University, Graduate School of Medicine),
Nobuhiko Okamoto (Osaka Women's and Children's Hospital)

Genetics / Genetic abnormality 1

- O-091 Molecular diagnosis of Congenital Disorder of Glycosylation:
Nobuhiko Okamoto^{1,2}, Yoshinao Wada^{2,3}
(1.Department of Medical Genetics, Osaka Women's and Children's Hospital, Osaka, Japan, 2.Department of Molecular Medicine, Osaka Women's and Children's Hospital, Osaka, Japan, 3.Department of Maternal Medicine, Osaka Women's and Children's Hospital, Osaka, Japan)
- O-092 Utility of microarray analysis in abnormal iris and intellectual disability
Yuri Sakaguchi^{1,2}, Toshiki Takenouchi¹, Marie Sasaki¹, Kenjiro Kosaki², Takao Takahashi¹

- (1.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan, 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)
- O-093 Recurrent *de novo* variants in *MAPK8IP3* encoding JIP3 cause neurological phenotypes.
Atsuo Kikuchi¹, Shinya Iwasawa¹, Kumiko Yanagi², Yasuko Kobayashi³, Kazuhiro Haginoya⁴, Hiroshi Matsumoto⁵, Kenji Kurosawa⁶, Masayuki Ochiai⁷, Yasunari Sakai⁷, Noriko Miyake⁸, Naomichi Matsumoto⁸, Tadashi Kaname², Yoko Aoki⁹, Wataru Shoji¹⁰, Shigeo Kure¹
(1.Department of Pediatrics, Tohoku University Graduate School of Medicine, Sendai, Japan, 2.National Center for Child Health and Development, Tokyo, Japan, 3.Department of Pediatrics, Nishitaga National Hospital, Sendai, Japan, 4.Department of Pediatric Neurology, Miyagi Children's Hospital, Sendai, Japan, 5.Department of Pediatrics, National Defense Medical College, Saitama, Japan, 6.Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan, 7.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 8.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 9.Department of Medical Genetics, Tohoku University Graduate School of Medicine, Sendai, Japan, 10.Frontier Research Institute for Interdisciplinary Sciences, Tohoku University, Sendai, Japan)
- O-094 Genetic evaluation of individuals with overgrowth and developmental delay / intellectual disability
Kyoko Takano^{1,2}, Naohisa Fujita^{1,3}, Tetsuhiro Fukuyama⁴, Mitsuo Motobayashi⁵, Yuji Inaba⁵, Machiko Hosoya⁶, Tomomi Yamaguchi¹, Keiko Wakui^{1,2}, Tadashi Kaname^{7,8}, Kenichiro Hata^{8,9}, Yoshimitsu Fukushima^{2,3}, Tomoki Kosho^{1,2}
(1.Center for Medical Genetics, Shinshu University Hospital, Matsumoto, Nagano, Japan, 2.Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Nagano, Japan, 3.Problem-Solving Oriented Training Program for Advanced Medical Personnel:NGSD Project, 4.Neonatology and Developmental Medicine, Shinshu University School of Medicine, Matsumoto, Nagano, Japan, 5.Division of Neurology, Nagano Children's Hospital, Azumino, Nagano, Japan, 6.Division of Pediatrics, Saku Central Hospital Advanced Care Center, Saku, Nagano, Japan, 7.Department of Genome Medicine, National Center for Child Health and Development, Tokyo, Japan, 8.Initiative on Rare and Undiagnosed Diseases in Pediatrics, 9.Department of Maternal-Fetal Biology, National Research Institute for Child Health and Development, Tokyo, Japan)
- O-095 A case report of ATP6V1A gene abnormality with ataxia, headache and seizures worsened by exercise
Keiko Yanagihara¹, Nobuhiko Okamoto², Syodo Hirano¹, Ken Nakajima¹, Taikan Obshi¹, Tomokazu Kimizu¹, Tae Ikeda¹, Yukiko Mogami¹, Yasuhiro Suzuki¹, Mitsuhiro Kato³, Hiroto Saito⁴, Naomichi Matsumoto⁵
(1.Department of Pediatric Neurology, Osaka Women's and Children's Hospital, Izumi, Japan, 2.Department of Genetics, Osaka Women's and Children's Hospital, Izumi, Japan, 3.Department of Pediatrics, Showa University, Tokyo, Japan, 4.Department of Biochemistry, Hamamatsu University School of Medicine, Hamamatsu, Japan, 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan)
- O-096 A case with *de novo* HECW2 mutation associated with neurodevelopmental disorder and epilepsy
Koichi Maruyama¹, Seiji Mizuno², Naoko Kurahashi¹, Miho Tohyama^{3,5}, Kohji Kato^{4,5}, Tomoo Ogi⁵
(1.Department of Pediatric Neurology, Aichi Developmental Disability Center, Kasugai, Aichi, Japan, 2.Department of Pediatrics, Aichi Developmental Disability Center, Kasugai, Aichi, Japan, 3.Department of Psychiatry, Nagoya University Graduate School of Medicine, Nagoya, Aichi, Japan, 4.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Aichi, Japan, 5.Department of Genetics, Research Institute of Environmental Medicine, Nagoya University, Nagoya, Aichi, Japan)

Oral Presentation 17

Chair: Tomoyuki Nakazawa (Department of Pediatrics, Toshima Hospital),
Hiroshi Sakuma (Department of Brain Development and Neural Regenerating Tokyo Metropolitan Institute of Medical Science)

Acute encephalopathy 3

- O-097 MYRF-related genetic analysis of mild encephalopathy with a reversible splenial lesion
Hirokazu Kurahashi¹, Shingo Numoto¹, Akihisa Okumura¹, Kohji Kato^{2,3}, Miho Toyama^{2,3,4},
Tomoo Ogi^{2,3}, Ai Hoshino⁵, Masashi Mizuguchi⁵
(1.Department of Pediatrics, Aichi Medical University, Nagakute, Japan, 2.Department
of Genetics, Research Institute of Environmental Medicine (RIeM), Nagoya University,
Nagoya, Japan, 3.Department of Human Genetics and Molecular Biology, Graduate School
of Medicine, Nagoya University, Nagoya, Japan, 4.Department of Psychiatry, Nagoya
University Graduate School of Medicine, Nagoya, Japan, 5.Department of Developmental
Medical Sciences, Graduate School of Medicine, University of Tokyo, Bunkyo-ku, Tokyo,
Japan)
- O-098 An observational study of the clinical course in hemorrhagic shock and encephalopathy syndrome
Hiroshi Yamaguchi¹, Shoich Tokumoto^{1,2}, Masahiro Nishiyama², Daisaku Toyoshima¹,
Hiroaki Nagase², Azusa Maruyama¹, Kazumoto Iijima²
(1.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan,
2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)
- O-099 Dynamics of cytokines in acute encephalopathy: first report
Kazumi Tomioka¹, Masahiro Nishiyama¹, Hiroaki Nagase¹, Yusuke Ishida¹, Tsukasa
Tanaka¹, Shoichi Tokumoto^{1,2}, Hiroshi Yamaguchi^{1,2}, Daisaku Toyoshima², Azusa
Maruyama², Hiroshi Kurosawa³, Hiroko Tada⁴, Hiroshi Sakuma⁴, Kazumoto Iijima¹
(1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan,
2.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan,
3.Department of Pediatric Critical Care Medicine, Hyogo Prefectural Kobe Children's
Hospital, Kobe, Japan, 4.Department of Developmental Neuroimmunology Project, Tokyo
Metropolitan Institute of Medical Science, Tokyo, Japan)
- O-100 Dynamics of cytokines in acute encephalopathy: the second report
Masahiro Nishiyama¹, Kazumi Tomioka¹, Hiroaki Nagase¹, Yusuke Ishida¹, Tsukasa
Tanaka¹, Shoichi Tokumoto^{1,2}, Hiroshi Yamaguchi^{1,2}, Daisaku Toyoshima², Azusa
Maruyama², Yo Okizuka³, Yoshinobu Oyazato⁴, Yuichi Takami⁵, Hiroko Tada⁶, Kei
Sakuma⁶, Kazumoto Iijima¹
(1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan,
2.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan,
3.Department of Pediatrics, Takatsuki General Hospital, Takatsuki, Japan, 4.Department
of Pediatrics, Kakogawa Central City Hospital, Kakogawa, Japan, 5.Department of
Pediatrics, Japanese Red Cross Society Himeji Hospital, Himeji, Japan, 6.Department of
Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical
Science, Tokyo, Japan)
- O-101 Does the aggressive use of anticonvulsant drug for the status epilepticus exacerbate the sequela?
Keisuke Nakajima^{1,2}, Hiroshi Shiraku², Shinobu Hirai¹, Haruo Okado¹
(1.Tokyo Metropolitan Institute for Medical Science, Tokyo, Japan, 2.JA Toride Medical
Center)
- O-102 EEG changes by video-EEG monitoring in two cases of acute encephalopathy with acute brain
swelling
Mitsuru Kashiwagi¹, Takuya Tanabe², Chizu Oba¹, Shohei Nomura¹, Sosuke Yoshikawa³,
Shuichi Shimakawa⁴, Kouji Azumakawa⁵, Junichi Ishikawa⁶, Kiyoko Amo⁶, Hiroshi Tamai⁴
(1.Department of Pediatrics, Hirakata City Hospital, 2.Department of Pediatric
Neurology, Tanabe Pediatric Clinic, 3.Department of Pediatrics, Daiichitouwakai
Hospital, 4.Department of Pediatrics, Hirakata City Hospital, 5.Department of Pediatric,
AZUMAGAWA Pediatric Clinic, 6.Department of Pediatric Emergency, Osaka City
General Hospital)

Oral Presentation 18

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

Hiroyuki Torisu (Section of Pediatrics, Department of Medicine, Fukuoka Dental College)

Autoimmune encephalitis

O-103 A girl with Rasmussen encephalitis absent of epileptic seizure

Takao Komatsubara, Yumi Nakayama, Moemi Hojo, Shin-ichi Magara, Yu Kobayashi, Jun
Tohyama (Department of Child Neurology, Epilepsy Center, Nishi-Niigata Chuo National

- Hospital, Niigata, Japan)
- O-104 Three cases of autoimmune encephalopathy.
Takehiko Inui¹, Moriei Shibuya¹, Takuya Miyabayashi¹, Yusuke Takezawa¹, Ryo Sato¹, Yukimune Okubo¹, Noriko Togashi¹, Yukitoshi Takahashi², Kazuhiro Hakginoya¹
(1.Department of Pediatric Neurology, Miyagi Children Hospital, Miyagi, Japan, 2.Shizuoka Institute of Epilepsy and Neurological Disorders)
- O-105 Refractory status epilepticus may predict poor prognosis in autoimmune-mediated encephalitis
Atsuro Daida^{1,2}, Shin-Ichiro Hamano¹, Hazuki Nonoyama¹, Satoru Ikemoto³, Yuko Hirata¹, Ryuki Matsuura¹, Reiko Koichihara³, Gaku Yamanaka², Kei Sakuma⁴, Yukitoshi Takahashi⁵
(1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan, 2.Division of Pediatrics, Tokyo Medical University, Tokyo, Japan, 3.Department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan, 4.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Setagaya, Tokyo, Japan, 5.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)
- O-106 Diversity of cerebrospinal fluid cytokine profiles in autoantibody-mediated brain diseases
Hiroko Tada^{1,2}, Hiroshi Sakuma¹, Takako Matsuoka¹, Kuniko Kohyama¹, Jun-Ichi Takanashi³
(1.Department of Development Neuroimmunology Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 2.Division of Pediatrics, Chibaken Saiseikai Narashino Hospital, Narashino, Japan, 3.Tokyo Women's Medical University Yachiyo Medical Center, Department of Pediatrics, Yachiyo, Japan)
- O-107 Longterm outcome of children of MOG-encephalomyelitis without preventative immunosuppressive therapy
Naomi Hino-Fukuyo¹, Kazuhiro Haginoya¹, Toshiyuki Takahashi², Ichiro Nakashima², Kazuo Hujihara², Yoshiki Takai², Manami Akasaka³, Shigeo Kure¹
(1.The Department of Medicine, Tohoku University, Sendai, Japan, 2.Department of Neurology, Tohoku University of School of Medicine, Sendai, Japan, 3.Department of Pediatrics (M.A.), Iwate Medical University, Morioka, Japan)
- O-108 The outcome of eleven children with acute disseminated encephalomyelitis:A retrospective evaluation
Ayumi Horiguchi¹, Atsurou Daida¹, Shinichiro Hamano¹, Hazuki Nonoyama¹, Satoru Ikemoto², Yuko Hirata¹, Ryuuki Matsuura¹, Reiko Koichihara²
(1.Division of Neurology, Saitama Children's Medical center, Saitama, Japan, 2.department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan)

Oral Presentation 19

Chair: Toshiyuki Iwasaki (Department of Pediatrics, Kitasato University School of Medicine),
Atsushi Imamura (Department of Pediatrics, Gifu Prefectural General Medical Center)

Epilepsy: Treatment 1

- O-109 Clinical evidence of direct effect of ACTH under defective endogenous corticosteroids production.
Marie Sasaki¹, Yuri Sakaguchi^{1,2}, Toshiki Takenouchi¹, Takao Takahashi¹
(1.Department of Pediatrics, School of Medicine, Keio University, Tokyo, Japan, 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)
- O-110 Effect of new antiepileptic drugs in intractable epilepsy comorbid with neurodevelopmental disorder
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- O-111 A case of Lennox-Gastaut syndrome successfully controlled by cannabidiol
Madoka Hoshide, Ippei Hidaka, Fumitaka Kohno, Hirofumi Inoue, Momoko Oka, Takeshi Matsushige, Shunji Hasegawa (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Ube, Japan)
- O-112 Comparison of the experience of using perampanel and lacosamide to patient with intractable epilepsy
Shin Okazaki, Ichirou Kuki, Hisashi Kawawaki, Naohiro Yamamoto, Shizuka Nagase, Megumi Nukui, Takeshi Inoue (Department of Pediatric Neurology, Osaka City General

- Hospital, Osaka, Japan)
- O-113 Effect of Perampanel on intractable epilepsy of individuals with SMID
Tomohiro Nakayama^{1,2}, Haruka Ooguro¹, Naoko Nakayama², Kayo Tokaji¹, Junko Nakayama¹, Hiroshi Maruyama², Nobuaki Iwasaki¹
(1. Department of Pediatrics, Ibaraki Prefectural University of Health Sciences, Ami, Japan, 2. Department of Pediatrics, Matsudo Clinic, Matsudo, Japan)
- O-114 Therapeutic effect and side effect of perampanel
Hirokazu Yamagishi, Hitoshi Osaka, Masahide Gotou, Mari Kuwajima, Takahiro Ikeda, Karin Kojima, Kazuhiro Muramatsu, Takanori Yamagata (Department of pediatrics, Jichi Medical University)

Oral Presentation 20

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

Nobuhito Morota (Department of Neurosurgery, Kitasato University School of Medicine)

Epilepsy: Treatment 2

- O-115 Hemispherotomy can cause post-operative strabismus
Ayataka Fujimoto, Tohru Okanishi, Shimpei Baba, Shinji Itamura, Hideo Enoki (The comprehensive epilepsy center, Seirei Hamamatsu General Hospital)
- O-116 Long-term prognosis after the epilepsy surgery in refractory child-onset epilepsy
Kuriko Shimono^{1,2,3}, Yoshiko Iwatani^{1,2,3}, Masaya Tachibana^{1,2}, Koji Tominaga^{1,2,3}, Satoru Oshino^{3,4}, Shin Nabatame^{2,3}, Haruhiko Kishima^{3,4}, Masako Taniike^{1,2}, Kiichi Ozono^{2,3}
(1. United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan, 2. Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan, 3. Epilepsy Center, Osaka University Hospital, Osaka, Japan, 4. Department of Neurosurgery, Osaka University Graduate School of Medicine, Osaka, Japan)
- O-117 Effect and complications of stereotactic radiofrequency thermocoagulation for hypothalamic hamartoma
Hiroshi Shirozu^{1,2}, Hiroshi Masuda^{1,2}, Takefumi Higashijima¹, Yosuke Ito¹, Masafumi Fukuda¹, Shigeki Kameyama²
(1. Department of Functional Neurosurgery, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 2. Hypothalamic Hamartoma Center, Nish-Niigata Chuo National Hospital, Niigata, Japan)
- O-118 Clinical study of epilepsy surgery in patients with drug-resistant PEE
Ichiro Kuki¹, Hisashi Kawawaki¹, Naohiro Yamamoto¹, Shizuka Nagase¹, Takeshi Inoue¹, Megumi Nukui¹, Shin Okazaki¹, Kiyoko Amo², Masao Togawa², Masashi Shiomi³, Noritsugu Kunihiro⁴, Takehiro Uda^{4,5}, Yasuhiro Matsusaka⁴, Hiroaki Sakamoto⁴
(1. The Department of Child Neurology, Osaka City General Hospital, Osaka, Japan, 2. The Department of Child Infectious Disease, Osaka City General Hospital, Osaka, Japan, 3. The Department of Pediatrics, Aizenbashi Hospital, Osaka, Japan, 4. The Department of Child Neurosurgery, Osaka City General Hospital, Osaka, Japan, 5. The Department of Neurosurgery, Osaka City University, Osaka, Japan)
- O-119 Efficacy of corpus callosotomy for epileptic spasms after acute encephalopathy and encephalitis.
Yoshiaki Watanabe^{1,3}, Ryoko Honda^{1,3}, Tomonori Ono¹, Keisuke Toda², Tadateru Yasu³, Shigeki Tanaka³, Hiroshi Baba⁴
(1. Epilepsy Center, National Nagasaki Medical Center, Omura, Japan, 2. Department of Neurosurgery, National Nagasaki Kawatana Medical Center, Kawatana, 3. Pediatrics, National Nagasaki Medical Center, 4. Epilepsy Center, Nishi-Isahaya Hospital, Isahaya, Japan)
- O-120 A study on the change of Developmental Quotient after corpus callosotomy
Ryoko Honda¹, Yoshiaki Watanabe¹, Tomonori Ono², Tadateru Yasu¹, Shigeki Tanaka¹, Keisuke Toda³, Hiroshi Baba⁴
(1. Department of Pediatrics, National Hospital Organization Nagasaki Medical Center, Nagasaki, Japan, 2. Department of Neurosurgery, National Hospital Organization Nagasaki Medical Center, Nagasaki, Japan, 3. Department of Neurosurgery, National Hospital Organization Nagasaki Kawatana Medical Center, Nagasaki, Japan, 4. Department of Neurosurgery, Nishiisahaya Hospital, Nagasaki, Japan)

Oral Presentation 21

Chair: Toru Kato (Department of Pediatrics Neurology, Okazaki City Hospital),
Mitsugu Uematsu (Department of Pediatrics, Tohoku University Hospital)

Newborn / Preterm baby / Perinatal brain damage

- O-121 The impact of changes in cooling methods for neonates with hypoxic ischemic encephalopathy
Akihito Takahashi, Shinnici Watabe (Department of Pediatrics, Kurashiki Central Hospital, Kurashiki, Japan)
- O-122 Late-onset circulatory collapse increases the risk of cerebral palsy in extremely preterm infants
Hirosuke Inoue^{1,2}, Yuki Matsushita^{1,2}, Masayuki Ochiai^{1,2}, Yoshito Ishizaki¹, Masafumi Sanefuji¹, Yasunari Sakai¹, Shouichi Ooga¹
(1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 2.Comprehensive Maternity and Perinatal Care Center, Kyushu University, Fukuoka, Japan)
- O-123 Functional connectivity on resting state fMRI at term and developmental outcome in preterm infants
Yoko Sakaguchi¹, Hiroyuki Kidokoro¹, Takeshi Suzuki¹, Masahiro Kawaguchi¹, Yuki Maki¹, Masaharu Tanaka¹, Yu Okai¹, Yuji Ito¹, Hiroyuki Yamamoto¹, Tomohiko Nakata¹, Miharuru Ito^{1,2}, Yoshiaki Sato^{1,2}, Masahiro Hayakawa^{1,2}, Jun Natsume^{1,3}
(1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 2.Division of Neonatology, Center for Maternal-Neonatal Care, Nagoya University Hospital, Nagoya, Japan, 3.Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- O-124 The clinical issues about the neurodevelopmental disorders in the very low birth weight babies
Kyoko Hirasawa, Akiko Takeshita, Satoru Nagata
(The Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- O-125 Management and outcomes of apnea in trisomy 18 infants
Ryoji Taira¹, Hirosuke Inoue², Saori Kawakami¹, Yuri Sonoda¹, Yuko Ichimiya¹, Michiko Torio¹, Yoshito Ishizaki¹, Masayuki Ochiai², Masafumi Sanefuji¹, Yasunari Sakai¹, Shouichi Ooga¹
(1.The department of pediatrics, Kyushu University Hospital, Fukuoka, Japan, 2.General Perinatal Medical Center, Kyushu University Hospital, Fukuoka, Japan)
- O-126 The background and symptom of neonate born from mother taking psychotropic drug
Shiori Moriyama, Sachiko Shimozato, Madoka Kazio, Kotaro Umezawa, Sou Uchida, Kyoko Takamura, Shizuka Hirano, Hiroshi Yoneyama (Tachikawa Hospital, Tokyo, Japan)

Oral Presentation 22

Chair: Akira Sudo (Nire-no-kai Children's Clinic),
Hiroschi Ozawa (Shimada-Ryoiku Center Hachioji)

Developmental disorder

- O-127 The first visit patients whose chief complaints are learning disability
Hikaru Kitahara¹, Miho Fukui^{1,2}, Motoko Ogino¹, Shuichi Shimakawa¹, Mari Toshikawa^{2,4}, Eiji Wakamiya^{2,3}, Hiroshi Tamai¹
(1.Department of Pediatrics, Osaka Medical College, Osaka, Japan, 2.LD Center, Osaka Medical College, Osaka, Japan, 3.Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University, Osaka, Japan, 4.Department of Pediatrics, Seikeikai Hospital, Osaka, Japan)
- O-128 Soft Neurological Sign and M-ABC2 in children at risk for DCD using new DCD Checklist
Keitaro Sueda¹, Ryusaku Hashimoto², Tosihiko Ueda¹
(1.Sapporo Child Physical & Mental Health Care Center, Child Psychiatry, Sapporo, Japan, 2.Department of Communication Disorders, School of Rehabilitation Sciences, Health Sciences University of Hokkaido, Ishikari-gun, Japan)
- O-129 Relation of Sensory Feature and Autistic Feature.
Toshisaburo Nagai¹, Tetsuzo Tagawa², Yuhta Kotoh³
(1.St. Andrew's University of Education, Osaka, Japan, 2.Osaka Maternal and Children Hospital, Osaka, Japan, 3.Osaka Developmental Rehabilitation Center)
- O-130 Efficacy of Early Interventional Parent Training in Autistic Spectrum Disorders
Keiko Maeda¹, Atsuko Matsuzaki², Jun-Ichi Yamamoto³

- (1.Shizuoka Iryou-fukusi Center, Department of Neuropediatrics,Shizuoka, Japan, 2.Keio University, Advanced Research Centers, 3.Keio University, Department of Psychology)
- O-131 The proposal of new short time ABA (Applied Behavior Analysis)for autistic spectrum disorders(ASD)
Takako Maruyama¹, Genkichi Izumi¹, Kyoko Hoshino^{1,2}, Ryuji Fujisaka³
(1.Minami Wakayama Medical Center ,Wakayama,Japan, 2.Segawa Memorial Neurological Clinic for Children ,Tokyo,Japan, 3.Tsumiki no kai ,Hyogo,Japan)
- O-132 Specificity of infantile sleep disorder at Autism Spectrum disorder
Maki Nozaki, Kyoko Hoshino, Yuri Nagao, Kazue Kimura, Michio Fukumizu, Masaharu Hayashi (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)

Oral Presentation 23

Chair: Nobutsune Ishikawa (Department of Pediatrics, Hiroshima University Hospital),
Shuichi Shimakawa (Department of Pediatrics, Osaka Medical College)

Development

- O-133 Obstructive sleep apnea in children with Down syndrome
Masaya Tachibana^{1,2}, Ikuko Hirata^{1,2}, Rie Nakai², Ryoko Hayashi², Junpei Tanigawa²,
Shin Nabatame², Kumi Katoh³, Kuriko Shimono^{1,2}, Ikuko Mohri^{1,2}, Keiichi Ozono², Masako Taniike^{1,2}
(1.United Graduate School of Child Development, Osaka University, Osaka, Japan,
2.Department of Pediatrics, Osaka University Medical School, Osaka, Japan, 3.Ota Memorial Sleep Center, Tokyo, Japan)
- O-134 Assessment of adaptive functioning in persons with Down syndrome - a preliminary report
Mariko Yagi, Yoko Matsumoto, Mio Nishimura, Yoko Kawasaki (Department of Pediatrics,
Nikoniko House Medical and Welfare Center, Kobe, Japan)
- O-135 A study on developmental of children with West syndrome associated with tuberous sclerosis complex
Fumika Endoh, Hiroki Tsuchiya, Yuki Hyodo, Mutsumi Mizuno, Kiyohiro Kim, Yoshiyuki Hanaoka, Takashi Shibata, Mari Akiyama, Katsuhiko Kobayashi (University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)
- O-136 Safety and efficacy of everolimus for SEGA or renal AML with tuberous sclerosis complex
Kazuaki Yamaguchi¹, Ryohei Kurihara², Aiko Katsura³, Fumiko Matsuoka⁴, Masataka Yonemura⁵
(1.Re-Examination Group, Patient Safety Japan Re-Examination Department, Regulatory Office Japan, Novartis Pharma K.K, Tokyo, Japan, 2.Biostatistics Group, Clinical Development Department, Japan Development, Novartis Pharma K.K, Tokyo, Japan,
3.Patient Safety Japan Group, Patient Safety Japan Re-Examination Department, Regulatory Office Japan, Novartis Pharma K.K, Tokyo, Japan, 4.Oncology Medical Affairs Department, Novartis Pharma K.K, Tokyo, Japan, 5.Clinical Development Department, Japan Development, Novartis Pharma K.K, Tokyo, Japan)
- O-137 Spina bifida with autism spectrum disorder and intellectual disability
Keiko Koterazawa, Eriko Inoue, Shinji Kitayama (Himeji City Center for the Disabled,Hyogo,Japan)
- O-138 Sensorimotor developmental prognosis of children with congenital heart disease after cardiac surgery
Yuichiro Matsuoka, Yukiko Nakamura, Hiroshi Ozawa, Yuri Ozawa, Maki Ohsawa, Chika Kono, Ai Ito (Pediatrics Shimada Ryoiku Center Hachioji, Tokyo, Japan)

Oral Presentation 24

Chair: Soichiro Tanaka (Home Care Clinic for Children Hokkori Sendai),
Naoyuki Tanuma (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled)

Home care / Welfare / Support

- O-139 Seminars for Designated Doctors under Article 15th of Act on Welfare of Physically Disabled Persons
Koichi Aizaki, Yuri Ujiie, Fuyumi Aizaki, Michiko Fukuhara, Kiyoshi Kikumoto (Welfare

- Center for the Physically and Intellectually Disabled, Bureau of Social Welfare and Public Health, Tokyo Metropolitan Government, Tokyo, Japan)
- O-140 An assignment of pediatric home care as seen from the survey of Nagoya City pediatrician Mihoko Mizuno^{1,2}
(1.Nagoya City pediatrician Bord, Nagoya, Japan, 2.Daido Hospital Children's Medical Center,Nagoya,Japan)
- O-141 Care burden of dyskinetic cerebral palsy due to chronic bilirubin encephalopathy in preterm infants
Satoshi Mizutani, Yukihiro Kitai, Naomi Okuyama, Mika Hirotsune, Kaeko Ogura, Satori Hirai, Hiroshi Arai (Bobath Memorial Hospital, Osaka, Japan)
- O-142 Two cases of ambulant cerebral palsy who developed psychosomatic symptoms
Naomi Okuyama, Satoshi Mizutani, Mika Hirotsune, Kaeko Ogura, Satori Hirai, Yukihiro Kitai, Hiroshi Arai (Bobath Memorial Hospital,Osaka,Japan)
- O-143 Questionnaire survey on disaster countermeasures of medical care children in Kurashiki
Hiroto Akaike¹, Michiko Inoue², Shinichi Watabe³, Nobuyoshi Mimaki⁴, Fumi Nakagawa⁵
(1.The Department of Pediatrics, Kawasaki Medical School, 2.Department of Pediatric Neurology, National Hospital Organization Minami-Okayama Medical Center, 3.Department of Pediatrics, Kurashiki Central Hospital, 4.Department of Pediatrics, Kurashiki Medical Center, 5.Tsubasa clinic)
- O-144 Case report; End-of-life care at home with Advance Care Planning for SMID
Hiroshi Wada, Masahisa Funato, Yoshitaka Iijima (Department of Home Medical Treatment & Pediatrics of Osaka Developmental Rehabilitation Center)

Oral Presentation 25

Chair: Koichi Maruyama (Aichi Developmental Disability Center),
Noriyuki Akasaka (Niigata Prefecture Hamagumi Medical Rehabilitation Center for Disabled Children)

Cerebral palsy 2

- O-145 Single session of robot training using of Hybrid Assistive Limb for children with motor disabilities
Mayumi Matsuda¹, Shogo Nakagawa², Nobuaki Iwasaki^{3,4}, Tomohiro Nakayama³, Junko Nakayama³, Aritp Yozu⁴, Haruka Ohguro³, Kayo Tokeji³, Kenichi Yoshikawa¹, Kazushi Takahashi¹, Keiko Enomoto¹, Kumiko Sano¹, Aoi Kubota¹, Hirotsuka Mutsuzaki^{2,4}
(1.Department of Physical Therapy, Ibaraki Prefectural University of Health Sciences Hospital, 2.Department of Orthopaedic Surgery, Ibaraki Prefectural University of Health Sciences Hospital, 3.Department of Pediatrics, Ibaraki Prefectural University of Health Sciences Hospital, 4.Center for Medical Science, Ibaraki Prefectural University of Health Sciences)
- O-146 Pediatric constraint-induced movement therapy : Report of 2 cases
Ryo Tanabe, Kentaro Sano, Kana Kojima, Kaoru Uchiyama, Atsuko Wakui, Mitsuko Ishii (Department of Child Neurology, Chiba Rehabilitation Center, Chiba, Japan)
- O-147 A report of seven children cases performed Constraint-induced movement therapy
Manaka Matsunaga¹, Hisashi Tsuru², Chihiro Yonee¹, Nozomi Sano¹
(1.Minami Kyushu National Hospital, Kagoshima, Japan, 2.Kagoshima Prefectural Hokusatsu Hospital, Kagoshima, Japan)
- O-148 The effect of spinal surgery on 6 patients with physical and intellectual disabilities
Yoko Matsumoto, Mariko Yagi, Mio Nishimura, Yoko Kawasaki (NikoNiko House Medical and Welfare Center)
- O-149 Paroxysmal sympathetic hyperactivity in pediatric patients with severe brain damage.
Kazuhiro Haginoya¹, Wakaba Endo², Takehiko Inui¹, Yukimune Okubo¹, Ryo Sato¹, Takuya Miyabayashi¹, Moriei Shibuya¹, Yusuke Takezawa¹, Noriko Togashi¹
(1.Department of Pediatric Neurology, Miyagi Children's Hospital, 2.Department of Pediatrics, Tohoku University)
- O-150 Risk factor of colon cancer among persons with profound multiple learning disabilities
Satoshi Honjo¹, Yoichiro Ohno^{1,2}
(1.Department of Paediatrics, National Hospital Organization Fukuoka Hospital, Fukuoka, Japan, 2.Ohno Paediatrics and Internal Medicine Clinic, Nogata, Japan)

Oral Presentation 26

Chair: Naomi Hino-Fukuyo (Department of Pediatrics, Tohoku University School of Medicine),
Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital)

Immunity / Infection

- O-151 Multiple sclerosis diagnosed by brain biopsy
Takaaki Sawada, Shiro Ozasa, Keiko Nomura, Ken Momosaki, Tomoko Kashiki, Shiro Matsumoto (Pediatrics, Kumamoto University, Kumamoto, Japan)
- O-152 Cut-off levels of measles antibodies in cerebrospinal fluid for diagnosis of SSPE
Takeshi Matsushige, Ippei Hidaka, Hikaru Kobayashi, Fumitaka Kouno, Momoko Oka, Hirofumi Inoue, Madoka Hoshide, Shunji Hasegawa (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan)
- O-153 The relationship between cerebral herniation and elevated C-reactive protein
Eijun Seki, Yu Tsuyusaki, Ayako Yamamoto, Tatsuro Kumaki, Hikari Kaba, Azusa Ikeda, Megumi Tsuji, Mizue Iai, Sumimasa Yamashita, Tomohide Goto (kanagawa children's medical center, Kanagawa, Japan)
- O-154 Survey on indication of cerebrospinal fluid examination
Gen Furukawa¹, Soichiro Ishimaru², Satoru Kishohara¹, Yoshiki Kawamura², Naoko Ishihara², Tetsushi Yoshikawa²
(1.Department of Pediatrics, Toyokawa City Hospital, Toyokawa, Japan, 2.Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan)
- O-155 Three cases of opsoclonus-myoclonus syndrome
Tomokazu Kimizu, Shodo Hirano, Ken Nakajima, Taikan Oboshi, Tae Ikeda, Yukiko Mogami, Keiko Yanagihara, Yasuhiro Suzuki (Department of Pediatric Neurology, Osaka Women's and Children's hospital, Osaka, Japan)
- O-156 Three cases of recurrent cerebellar ataxia treated with mPSL pulse therapy to maintain remission.
Hikari Kaba¹, Tatsuro Kumaki¹, Ayako Yamamoto¹, Azusa Ikeda¹, Yu Tsuyusaki¹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Tomohide Goto¹, Yukitoshi Takahashi²
(1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Shizuoka Institute of Epilepsy and Neurological Disorders)

Oral Presentation 27

Chair: Terumi Murakami (Department of Pediatrics, Tokyo Women's Medical University/
Department of Neurology, National Hospital Organization Higashisaitama Hospital),
Tatsuya Fujii (Department of Pediatrics, Shiga Medical Center for Children; Shiga Prefectural Hospital Operation Agency)

Spinal muscular atrophy 1

- O-157 Long term efficacy of nusinersen for SMA type1 in monovular twins from three months after birth
Takahiro Motoki¹, Kaori Aibara¹, Jogamoto Toshihiro¹, Kozo Nagai¹, Kei Makino², Eiichi Ishii¹
(1.Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan, 2.Department of Pediatrics, Ehime Prefectural Niihama Hospital)
- O-158 A case of spinal muscular atrophy type 1 with nusinersen therapy extubated by NPPV and MI-E
Kentaro Kawamura^{1,2}, Akiyo Yamamoto², Shinsuke Kato², Kouhei Ishida², Tomoyuki Dobata¹, Shinobu Fukumura²
(1.Life-Long Care Clinic for Disabled people, Toseikai Healthcare Corporation, Sapporo, Japan, 2.Department of Pediatrics, Sapporo Medical University, Sapporo, Japan)
- O-159 Hydrocephalus related to nusinersen treatment in a patient with spinal muscular atrophy type 1
Nanako Takase, Mizuho Hujita, Yuka Murofushi, Kentaro Sano, Katuhiro Abe, Takuya Matsui, Nozomi Hirai, Kumi Yasukawa, Takahumi Honda, Hiromichi Hamada, Junichi Takanashi (Tokyo Woman's Medical University Yachiyo Medical Center)
- O-160 Three patients with spinal muscular atrophy type 1 who started nusinersen treatment after 1-year-old
Masashi Nagai¹, Hiroyuki Awano¹, Ryosuke Bo¹, Mariko Murao¹, Yusuke Ishida¹, Kazumi Tomioka¹, Tsukasa Tanaka¹, Masahiro Nishiyama¹, Hiroaki Nagase¹, Hisahide Nishio², Kazumoto Iijima¹

- (1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 2.Department of Occupational Therapy, Faculty of Rehabilitation, Kobe Gakuin University, Kobe, Japan)
- O-161 Effect of nusinersen on gross and fine motor -A case of spinal muscular atrophy type I -
Mikiko Hasegawa¹, Hayato Suzuki², Kaoru Etou³, Reiko Arakawa^{4,6}, Futoshi Wada⁵,
Satoru Nagata³, Tetsuo Inukai⁵, Kayoko Saito⁶
(1.Department of Rehabilitation Medicine, Saitama Medical Center, Dokkyo Medical University, 2.Department of Rehabilitation, Tokyo Women's Medical University, Tokyo, Japan, 3.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 4.Center Hospital of the National Center for Global Health and Medicine, 5.Department of Rehabilitation, Tokyo Women's Medical University, Tokyo, Japan, 6.Department of genetic medical center, Tokyo Women's medical university, Tokyo, Japan)
- O-162 Experience of nusinersen treatment to adult patients with spinal muscular atrophy
Toshio Saito¹, Yuriko Matsuoka², Hiroshi Yamamoto³, Yuto Takada⁴, Tsuyoshi Matsumura⁵, Hisahide Nishio⁶
(1.Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan, 2.Department of Anesthesiology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan, 3.Department of Rehabilitation, Hyogo-Chuo Natinal Hospital, Hyogo, Japan, 4.Department of Rehabilitation, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan, 5.Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan, 6.Department of Occupational Therapy, Kobe Gakuin University, Kobe, Japan)

Oral Presentation 28

Chair: Hiroyuki Awano (Department of Mental Health for Children and Parents, Kobe University Hospital),

Akihiko Ishiyama (National Center Hospital of Neurology and Psychiatry)

Spinal muscular atrophy 2

- O-163 Intrathecal nusinersen injection by paramedian approach for adults with spinal muscular atrophy
Hideyuki Iwayama¹, Norimitsu Wakao², Shingo Numoto¹, Hirokazu Kurahashi¹, Norika Kubota³, Ayako Hattori⁴, Toshiyuki Kumagai⁵, Akihisa Okumura¹
(1.Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan, 2.Department of Orthopedics, Aichi Medical University, Nagakute, Aichi, Japan, 3.Department of Pediatrics, Matsue Medical Center, Shimane, Japan, 4.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 5.Kuma home medical care clinic, Nagoya, Aichi, Japan.)
- O-164 Two cases of spinal muscular atrophy administered Nusinersen after spinal fusion surgery.
Tomofumi Fukuda¹, Masahiro Ishii¹, Ryota Igarashi¹, Yumeko Matsuda¹, Ayako Senjyu¹,
Shiho Takano¹, Naoki Shiota¹, Masayuki Shimono¹, Koichi Kusuhara¹, Takeshi Saito²
(1.University of Occupational and Environmental Health Japan, Kitakyushu, Japan, 2.University of Occupational and Environmental Health Japan, Kitakyushu, Japan)
- O-165 Evaluation of efficacy of Nusinersen in patients with spinal muscular atrophy using cumulative jerk
Tatsuya Fujii^{1,2}, Akihito Nozaki¹, Kenji Inoue¹, Saeko Sasaki¹, Minoru Shibata¹, Mioko Mori¹, Anri Hayashi¹, Atsushi Mori¹, Tomohiro Kumada¹
(1.Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan, 2.Shiga Prefectural Hospital Operation Agency)
- O-166 Experience of rehabilitation using small model HAL for children with spinal muscular atrophy type II
Kazuki Kodera¹, Takashi Nakajima², Taiki Nakabayashi¹, Satoru Kinoshita¹, Toshiaki Suzuki¹, Hidehiko Fujinaka¹, Shuichi Tomizawa¹
(1.The Department of Pediatrics, Niigata National Hospital, Niigata, Japan, 2.The Department of Neurology, Niigata National Hospital, Niigata, Japan)
- O-167 Early Diagnosis and Speed to Effect in Spinal Muscular Atrophy Type 1 (SMA1)
Omar Dabbous, Marcus Droege, Douglas E. Feltner, Aaron Novack, Melissa Menier, Douglas M. Sproule (AveXis, Inc., Bannockburn, Illinois, USA)

- O-168 AVXS-101 Gene-Replacement Therapy in Presymptomatic Spinal Muscular Atrophy (SMA): Study Update
Meredith Schultz¹, Kathryn Swoboda², Michelle Farrar³, Hugh Mcmillan⁴, Julie Parsons⁵, Kayoko Saito⁶, Mari Matsuo⁶, Tamaki Kato⁶, Courtney Wells⁷, Francis G. Ogrinc⁷, Bryan E. McGill⁷, Douglas E. Feltner⁷, James Litalien⁷, Douglas M. Sproule⁷, Kevin A. Strauss⁸
(1.University of Wisconsin School of Medicine and Public Health, Madison, WI, USA, 2.Massachusetts General Hospital, Boston, MA, USA, 3.Sydney Childrens Hospital, Randwick, Australia, 4.Childrens Hospital of Eastern Ontario, Ottawa, Canada, 5.Childrens Hospital Colorado, Aurora, CO, USA, 6.Tokyo Womens Medical University, Tokyo, Japan, 7.AveXis Inc., Bannockburn, IL, USA, 8.Clinic for Special Children, Strasburg, PA, USA)

Oral Presentation 29

Chair: Hiromichi Ito (Department of Special Needs Education, Graduate School of Education, Naruto University of Education),
Satoru Takahashi (Department of Pediatrics, Asahikawa Medical University)

Genetics / Genetic abnormality 2

- O-169 Renal dysfunction and CSA mutation of Cockayne syndrome in Japan
Risa Hashimoto¹, Masaya Kubota²
(1.Center for Postgraduate Education and Training, National Center for Child Health and Development, Tokyo, Japan, 2.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)
- O-170 Sensorineural deafness in Takenouchi-Kosaki syndrome
Toshiki Takenouchi¹, Takao Takahashi¹, Kenjiro Kosaki²
(1.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan, 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)
- O-171 Clinical evaluation of Rett syndrome using four major severity scales.
Yuki Anzai^{1,2}, Kyoko Hoshino¹, Yuri Nagao¹, Michio Fukumizu¹, Kazue Kimura¹, Masaharu Hayashi¹, Koutaro Yuge³, Tomoko Saikusa³, Masayuki Ito⁴, Toyojiro Matsuishi⁵
(1.Segawa Memorial Neurological Clinic for Children, Tokyo, Japan, 2.Tokyo Bay Urayasu Ichiwaka Medical Center, 3.Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan, 4.National Center of Neurology and Psychiatry, Tokyo, Japan, 5.Cognitive and Molecular Research Institute of Brain Diseases)
- O-172 Familial Hemiplegic migraine of Japanese cases with PRRT2 mutation.
Sato Suzuki-Muromoto, Masaya Kubota (National Center for Child Health and Development, Tokyo, Japan)
- O-173 Genetic testing of fragile X syndrome and related disorders covered by public health insurance.
Eiji Nanba^{1,2}, Karoi Adachi^{2,3}, Tetuya Okazai^{3,4}, Tomomi Inoue⁵, Kenich Tadokoro⁵
(1.Research Strategy Division, Organization for Research Initiative and Promotion, Tottori University, Yonago, Japan, 2.Clinical Genetics, Tottori University Hospital, Yonago, Japan, 3.Center for Research Initiative, Organization for Research Initiative and Promotion, Tottori University, Yonago, Japan, 4.Division of Child Neurology, Tottori University Hospital, Yonago, Japan, 5.Bio Medical Laboratory, BML, Inc., Tokyo, Japan)
- O-174 How could we support for individuals and families with Fragile-X syndrome after diagnosis in Japan
Miyuki Torii¹, David Hessl², Randi Hagerman²
(1.Graduate School of Human Development and Environment, Kobe University, Kobe, Japan, 2.Medical Investigation of Neurodevelopmental Disorders (MIND) Institute, University of California Davis, CA/ U.S.)

Oral Presentation 30

Chair: Yuichi Abe (National Center for Child Health and Development Division of Neurology),
Shin Nabatame (Department of Pediatrics, Graduate School of Medicine, Osaka University)

Neurodegenerative disease / Peripheral nerve

- O-175 Clinical data on childhood-onset Alexander disease
Tomokatsu Yoshida¹, Ikuko Mizuta¹, Rei Yasuda¹, Jun Matsuura¹, Kozo Saito¹, Masanori Nakagawa², Toshiki Mizuno¹
(1.Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan, 2.Department of Neurology, North Medical Center, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- O-176 High risk screening and pathological analysis of Neuronal ceroid lipofuscinosis (NCL) 1 and 2
Rina Itagaki¹, Takeo Iwamoto³, Mohammad Arif Hossain¹, Hiroko Yanagisawa¹, Takashi Miyajima^{1,2}, Chen Wu^{1,2}, Keiko Akiyama¹, Haruo Shintaku⁴, Yoshikatsu Eto¹
(1.Advanced Clinical Research Center, Kanagawa, Japan, 2.Institute of Rare disease, AnGes Co., Kanagawa, Japan, 3.Core Laboratory, Institute of Medical Science, Tokyo Jikei University School, Tokyo, Japan, 4.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan)
- O-177 A sibling case of CMT type4b1 with vocal cord paralysis associated with a mutation in the MTMR2 gene
Shinsuke Katou¹, Akiyo Yamamoto¹, Shinobu Fukumura¹, Yuujirou Higuchi², Akihiro Hashiguchi², Hiroshi Takashima², Nobutada Tachi³
(1.Department of Pediatrics, Sapporo medical university, Sapporo, Japan, 2.Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences, 3.Hokkaidou Chitose college of Rehabilitation)
- O-178 A case of infantile Tay-Sachs disease
Tsubasa Morita¹, Hisashi Itabashi¹, Takeshi Inoue¹, Ryoko Otani¹, Nobuyuki Murakami¹, Ryoichi Sakuta¹, Tomoyo Matsubara¹, Aya Narita²
(1.Dokkyo Medical University Saitama Medical Center, 2.Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Japan)
- O-179 A 12-year-old boy with cervical spondylotic amyotrophy
Mayumi Iwama, Shota Yuasa, Shugo Misato, Soichiro Toda (Department of Pediatrics, Kameda Medical Center, Chiba, Japan)
- O-180 Clinical and genetic analysis of 91 patients with childhood onset spastic paraplegia
Kazuhiro Haginoya¹, Yusuke Takezawa¹, Takehiko Inui¹, Yukimune Okubo¹, Ryo Sato¹, Noriko Togashi¹, Takuya Miyabayashi¹, Moriei Shibuya¹, Kazuhiro Iwama², Atsuo Kikuchi³, Hiroto Saito⁴, Naomichi Matsumoto², Shigeo Kure³
(1.Department of Pediatric Neurology, Miyagi Children's Hospital, 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, 3.Department of Pediatrics, Tohoku University, 4.Department of Biochemistry, Hamamatsu University School of Medicine)

Oral Presentation 31

Chair: Yuji Inaba (Division of Neurology, Nagano Children's Hospital),
Yukio Sawaishi (Akita Prefectural Center on Development and Disability)

Cerebrovascular disease / Surgery

- O-181 Nation-wide survey in Japan for childhood spinal cord infarction
Shou Hagiwara, Katsunori Fujii, Kensuke Fujisiro, Daisuke Sawada, Hajime Ikehara, Hiromi Aoyama, Tomoko Uchida, Tadashi Shiohama, Hidenori Uchikawa, Naoki Simojyou (Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan)
- O-182 Nation-wide survey in Japan for childhood spinal cord infarction
Kensuke Fujishiro, Katsunori Fujii, Syo Hagiwara, Daisuke Sawada, Hajime Ikehara, Hiromi Aoyama, Tomoko Uchida, Tadashi Shiohama, Hideki Uchikawa, Naoki Shimojyou (Department of Pediatrics, Chiba University Graduate School of Medicine)
- O-183 Neurological complications after hematopoietic stem cell transplantation in children
Eri Ohashi, Atsushi Satou, Mitduteru Hiwatari, Konomi Shimoda, Akira Takenaka, Yuichi Mitani, Yu Kakimoto, Takayuki Mori (Department of pediatrics, The University of Tokyo Hospital, Tokyo, Japan)
- O-184 L-arginine therapy at super-acute phase improved clinical symptoms, MRI abnormality and GDF15.
Yasutoshi Koga, Miyuki Kitamura, Shuichi Yatsuga (Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan)
- O-185 Subdural hemorrhage in Japanese medical literature: No witnessed low energetic severe case

was found

Ryo Sugitate, Fumitake Mizoguchi, Atsushi Matsui (Department of Pediatrics, Japanese Red Cross Maebashi Hospital, Maebashi, Japan)

- O-186 Retrospective study of 100 children with sacral dimples at health check-up
Haruka Okada, Manami Honda (Micri Kids Clinic, Tokyo, Japan)

Oral Presentation 32

Chair: Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University),
Masao Kawatani (Department of Pediatrics, University of Fukui Hospital)

Mental disorders / Headache / Autonomic system

- O-187 Clinical characteristics of boys with eating disorder
Ryoko Otani¹, Naho Matsushima¹, Tasuku Kitajima¹, Akari Arakawa¹, Takeshi Inoue¹,
Yuki Koshino¹, Hisashi Itabashi², Keiichi Shimamura¹, Nobuyuki Murakai², Ryoichi
Sakuta¹
(1. Child Development and Psychosomatic Medicine Center, Dokkyo Medical University
Saitama Medical Center, Saitama, Japan, 2. Pediatrics, Dokkyo Medical University
Saitama Medical Center, Saitama, Japan)
- O-188 Early detection of children with eating disorders : notification over the past five years.
Naho Matsushima, Ryoko Otani, Yuki Koshino, Akari Arakawa, Tasuku Kitajima, Takeshi
Inoue, Keiichi Shimamura, Hisashi Itabashi, Nobuyuki Murakami, Ryoichi Sakuta (Child
Development and Psychosomatic Medicine Center, Dokkyo Medical University Saitama
Medical Center, Saitama, Japan)
- O-189 Care for children who showed stress symptoms after West Japan heavy rain around Kurashiki
city
Mina Kono, Hiroto Akaike, Atsushi Kato, Eisuke Kondo (Department of Pediatrics,
Kawasaki Medical School Hospital, Kurashiki, Japan)
- O-190 A girl overlapping paroxysmal extreme pain disorder and erythromelalgia with SCN9A mutation
Kazuki Tsukamoto¹, Mizuki Akiyoshi¹, Ryo Takigawa¹, Misaki Matsumura¹, Mako Ago¹,
Naoaki Shibata¹, Yasuhiro Haneda¹, Shigeaki Nakashima¹, Kenji Yasuda¹, Jun Mine²,
Hiroshi Takashima³, Takeshi Taketani¹
(1. Department of Pediatrics, Shimane University Faculty of Medicine, Shimane, Japan,
2. Shizuoka Institute of Epilepsy and Neurological Disorders, 3. Department of Neurology
and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences,
Kagoshima, Japan)
- O-191 Six cases of sporadic hemiplegic migraine
Ayako Fujiwara, Chie Sakata, Taku Nakagawa, Yuichi Takami (Department of Pediatrics,
Himeji Red Cross Hospital, Himeji City, Hyogo, Japan)
- O-192 A Study of the Headache Patients who Consulted Our Department
Ikuko Ohashi, Yoshinori Tsuji, Yoshihiko Terauchi, Tsuyoshi Sasaki, Yasuhiro
Shimanouchi (Department of Pediatrics, Mitoyo General Hospital, Kagawa, Japan)

Oral Presentation 33

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

Yuko Motohashi (National Center Hospital of Neurology and Psychiatry)

Muscular disease 3

- O-193 A case of Juvenile myasthenia gravis with 18p deletions.
Jun Kubota^{1,2,3}, Shin-Ichiro Hamano², Atsurou Daida², Satoru Ikemoto^{3,4}, Yuko Hirata^{2,3},
Ryuki Matsuura², Reiko Koichihara⁴
(1. Department of Pediatrics, Atsugi City Hospital, Atsugi, Japan, 2. Division of Neurology,
Saitama Children's Medical Center, Saitama, Japan, 3. Department of Pediatrics, The Jikei
University School of Medicine, Tokyo, Japan, 4. Department for Child Health and Human
Development, Saitama Children's Medical Center, Saitama, Japan)
- O-194 Antisynthetase syndrome and dermatomyositis are pathomechanistically different diseases
Michio Inoue^{1,2}, Luh Ari Indrawati^{1,2}, Masashi Ogasawara^{1,2}, Kumutpongpanich
Theerawat^{1,2}, Yoshihiko Saito^{1,2}, Jantima Tanboon^{1,2}, Mariko Okubo^{1,2}, Akinori Uruha³,

Shigeaki Suzuki⁴, Ichizo Nishino⁴

(1.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Genome Medicine Development, Medical Genome Center, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 4.Department of Neurology, Keio University School of Medicine, Tokyo, Japan)

- O-195 Characteristic findings of skeletal muscle MRI in childhood-onset Caveolinopathy
Kumiko Ishiguro¹, Keiko Ishigaki¹, Takahiro Nakayama², Takatoshi Sato¹, Minobu Shichiji¹, Terumi Murakami^{1,3}, Sachiko Kajino¹, Nobuyuki Murakami⁴, Mariko Okubo⁵, Yukiko Hayashi⁶, Ichizo Nishino⁵, Satoru Nagata¹
(1.Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan, 2.Department of Neurology, Yokohama Rosai Hospital, Yokohama, Japan., 3.Department of Neurology, Higashisaitama National Hospital, Japan., 4.Department of Pediatrics, Dokkyo Medical University, Saitama Medical Center, 5.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan., 6.Department of Pathophysiology, Tokyo Medical University, Tokyo, Japan.)
- O-196 Research study on the prognosis of glycogen storage disease type 3: Analysis of adult cases
Tokiko Fukuda¹, Rei Urushibata¹, Taiju Hayashi¹, Hidetoshi Ishigaki¹, Takuya Hiraide¹, Masanori Takahashi², Yume Suzuki³, Mika Ishige⁴, Hideo Sugie⁵
(1.Pediatric Department, Hamamatsu Medical University, Hamamatsu, Japan, 2.Department of Neurology, Osaka University, Osaka, Japan, 3.Department of General Internal Medicine, Yokohama City University Medical Center, Yokohama, Japan, 4.Department of Pediatrics, Nihon University Hospital, Tokyo, Japan, 5.Faculty of Health and Science, Tokoha University, Hamamatsu, Japan)
- O-197 Two cases of myotonic dystrophy with atrial flutter in the young
Kosuke Tsuchida¹, Shinobu Fukumura², Shinsuke Kato², Akiyo Yamamoto², Kentaro Kawamura³, Toshio Ohara⁴, Masato Yokozawa⁵
(1.Department of Pediatrics, Hakodate Municipal Hospital, Hakodate, Japan, 2.Department of Pediatrics, School of Medicine, Sapporo Medical University, Sapporo, Japan, 3.Syogaiiryo clinic sapporo, Sapporo, Japan, 4.Department of Pediatrics, Tomakomai City Hospital, Tomakomai, Japan, 5.Department of Pediatrics, Betsukai Town Hospital, Betsukai, Japan)
- O-198 A case of paramyotonia congenita that had difficulty in differentiation with myotonia congenita
Masaru Nasuno¹, Takenori Natsume¹, Toshimitsu Yanagisawa¹, Mitsuo Motobayashi^{1,2}, Sachiko Nagaharu³, Tetsuhiro Fukuyama^{1,4}
(1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan, 2.Department of Neurology, Nagano Children's Hospital, Azumino, Japan, 3.Ina central hospital, Ina, Japan, 4.Department of Neonatology and Developmental Medicine, Shinshu University School)

Poster Presentation 1

Poster session Award

- P-001 Aberrant molecular signaling in EFTUD2-associated microcephaly
Sayaka Okuzono¹, Hiroyuki Yamamoto¹, Satoshi Akamine^{1,3}, Noriko Miyake², Yasunari Sakai¹, Naomichi Matsumoto², Shouichi Ooga¹
(1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 2.Department of Human Genetics, Yokohama City University, Yokohama, Japan, 3.Fukuoka Children's Hospital, Fukuoka, Japan)
- P-002 Usefulness of the Genetic Testing of Spinal Muscular Atrophy
Syuhei Ohnuma, Tsunenoi Shimizu, Kazumi Kenmochi, Hiroyuki Hirai, Makoto Nagano, Toshikazu Yamaguchi (BML,INC., Saitama, Japan)
- P-003 Establishment of the therapeutic approach for pediatric neurological diseases utilizing juvenility.
Takao Morimune^{1,2}, Masaki Mori¹
(1.Molecular Neuroscience Research Center, Brain Disease Research Institute, Shiga University of Medical Science, Shiga, Japan, 2.The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

- P-004 Ictal SPECT findings of startle epilepsy
Kei Iwata¹, Takashi Saito¹, Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Hirohumi Komaki¹, Eiji Nakagawa¹, Noriko Sato², Masayuki Sasaki¹
(1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Radiology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-005 Brain morphological analysis in PTEN hamartoma tumor syndrome
Tadashi Shiohama^{1,2}, Jacob Levman², Lana Vasung², Emi Takahashi²
(1.Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan, 2.Division of Newborn Medicine, Department of Medicine, Boston Children's Hospital, Harvard Medical School, Boston, MA, United States)
- P-006 Alteration of structural brain network in patients with epilepsy after successful corpus callosotomy
Riyo Ueda¹, Hiroshi Matsuda², Noriko Sato³, Masaki Iwasaki⁴, Eri Takeshita⁵, Yuko Motohashi⁵, Akihiko Ishiyama⁵, Takashi Saito⁵, Eiji Nakagawa⁵, Kenji Sugai⁵, Masayuki Sasaki⁵, Yoshimi Kaga¹, Hiroshige Takeichi^{1,6}, Masumi Inagaki¹
(1.Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Radiology, National Center of Neurology and Psychiatry Hospital, Tokyo, Japan, 4.Department of Neurosurgery, National Center of Neurology and Psychiatry Hospital, Tokyo, Japan, 5.Department of Child Neurology, National Center of Neurology and Psychiatry Hospital, Tokyo, Japan, 6.Industrial Cooperation Team, Nishina Center for Accelerator-Based Science, RIKEN, Wako, Japan)
- P-007 Usefulness of MRI and MRS in bone marrow transplantation for adrenoleukodystrophy
Naoko Yano, Takeshi Yoshida, Kanako Maizuru, Atsushi Yokoyama, Junko Takita (The department of pediatrics, Kyoto University Hospital, Kyoto, Japan)
- P-008 The pathogenesis of peripheral neuropathy in congenital cerebral hypomyelination
Numata-Uematsu Yurika¹, Uematsu Mitsugu¹, Inoue Ken², Kure Shigeo¹
(1.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 2.Department of mental retardation and birth defect research, national center of neurology and psychiatry, Kodaira, Japan)
- P-009 Fibrosis in injured muscle is regulated by macrophages in Msr1 and Dystrophin double knock-out mouse
Yoshitaka Mizobe, Shouta Miyatake, Yuko Hara, Hotake Takizawa, Maria Tsoumpra, Joel Nordin, Yasumasa Hashimoto, Taisuke Ohno, Shin'Ichi Takeda, Yoshitsugu Aoki (Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-010 Peripheral neuropathy of acute flaccid myelitis clustering during autumn 2015 in Japan
Marie Noda¹, Pin Fee Chong², Sawa Yasumoto³, Akihisa Okumura⁴, Harushi Mori⁵, Ryutaro Kira², Keiko Taya⁶, Hiroyuki Torisu¹
(1.Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan, 2.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan, 3.Medical Education Center, Fukuoka University School of Medicine, Fukuoka, Japan, 4.Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan, 5.Department of Radiology, Graduate School and Faculty of Medicine, The University of Tokyo, Tokyo, Japan, 6.Infectious Disease Surveillance Center, National Institute of Infectious Diseases, Tokyo, Japan)

Poster Presentation 2

Genetics (Case reports)

- P-011 Genitopatellar syndrome: don't forget agenesis of patellae
Atsushi Mori¹, Humihito Nozaki¹, Tomohiro Kumada¹, Minoru Shibata¹, Anri Hayashi¹, Saeko Sasaki¹, Mioko Mori¹, Kenzi Inoue¹, Tatsuya Huzii¹, Toshiki Takenouchi², Tomoko Uehara², Kenzou Kosaki²
(1.Shiga Medical Center for Children, Shiga, Japan, 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)
- P-012 A case of Freeman-Sheldon syndrome with *MYH3* mutation.

Mika Nakazawa^{1,2}, Yuri Kitamura², Keiichiro Sugiyama¹, Kyouko Hatta^{1,2}, Yohei Sakaguchi^{1,2}, Kentaro Uchiyama¹, Kayo Irukayama¹, Kyona Ko¹, Masaki Daigo^{1,2}, Mitsutaka Komatsu^{1,2}, Hidetaka Eguchi^{3,4}, Kumiko Nagashima⁴, Yasushi Okazaki^{3,4}, Toshiaki Shimizu²

(1.Department of Pediatrics, San-ikukai Hospital, Tokyo, Japan, 2.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan, 3.Intractable Disease Research Center, Graduate School of Medicine, Juntendo niversity, Tokyo, Japan, 4.Research center for intractable disease, Tokyo, Japan)

- P-013 A Case of Aicardi Goutieres syndrome with Moyamoya disease caused by a IFIH1 mutation
Yu Tsuyusaki¹, Mizue Iai¹, Yoshinori Tsurusaki², Hiroaki Murakami³, Kenji Kurosawa³, Haruo Shintaku⁵, Ryuta Nishikomori⁶, Noriko Aida⁴, Hikari Kaba^{1,4}, Tatsuro Kumaki¹, Ayako Yamamoto¹, Azusa Ikeda¹, Megumi Tsuji¹, Sumimasa Yamashita¹, Tomohide Goto¹
(1.Division of Neurology, Kanagawa Children s Medical Center, Yokohama, Japan, 2.Clinical Research Institute, Kanagawa Children s Medical Center, Yokohama, Japan, 3.Division of Genetics, Kanagawa Children s Medical Center, Yokohama, Japan, 4.Division of Radiology, Kanagawa Children s Medical Center, Yokohama, Japan, 5.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan, 6.Department of Pediatrics, Graduate School of Medicine, Kyoto University, Kyoto, Japan)
- P-014 Two cases of the Oculocerebrorenal Lowe Syndrome
Ryota Igarashi, Masahiro Ishii, Junpei Shibahara, Mari Saimiya, Tomofumi Fukuda, Masayuki Shimono, Koichi Kusuhara (Department of Pediatrics, University of Occupational Environmental Health, Kitakyushu, Japan)
- P-015 A case of Hereditary spastic paraplegia with thin corpus callosum accompanied by Respiratory arrest
Masumi Seki¹, Mika Hayakawa¹, Naoko Koseki¹, Susumu Sugihara¹, Yoshiko Suzuki¹, Motoyuki Minamitani¹, Yukikatsu Ochiai¹, Chisen Takeuchi², Tomoko Uehara³, Toshiki Takenouchi⁴, Kenjiro Kosaki³, Masayuki Imai¹
(1.Department of Pediatrics, Tokyo Metropolitan Kita Medical and Rehabilitation Center for The Disabled, Tokyo, Japan, 2.Department of Neurology, Tokyo Metropolitan Kita Medical and Rehabilitation Center for The Disabled, Tokyo, Japan, 3.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan, 4.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)
- P-016 A case of congenital central hypoventilation syndrome presenting sinus pause
Susumu Sugihara, Masumi Seki, Naoko Koseki, Yoshiko Suzuki, Mika Hayakawa, Motoyuki Minamitani, Yukikatsu Ochiai, Masayuki Imai (Department of Pediatrics, Tokyo Metropolitan, Kita Medical and Rehabilitation Center for Handicapped, Tokyo, Japan)

Poster Presentation 3

Genetics (Chromosome)

- P-017 The evaluation of prognosis and discharge in 21 cases of trisomy 18 in our hospital
Kento Ota, Tomotsune Domoto, Masami Togawa (Department of Pediatrics, Tottori Prefectural Central Hospital, Tottori, Japan)
- P-018 Different epileptic features in two aged Down syndrome patients with dementia
Yumi Okoshi¹, Michio Fukumizu^{1,2}, Jinrou Nagata¹
(1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 2.Segawa Memorial Neurological Clinic for Children)
- P-019 A boy of isodicentric chromosome 15 syndrome which was diagnosed with his frequent myoclonic seizure
Minako Ide, Takeo Kato, Takako Matumoto, Toshiro Maihara (Department of Pediatrics, Hyogo Prefectural Amagasaki General Medical Center, Hyogo, Japan)
- P-020 A new case of 19q13.32 deletion with psychomotor delay, characteristic face, cardiac malformation
Tomoe Yanagishita¹, Keiko Yamamoto¹, Yumiko Ondo¹, Nobuhiko Okamoto³, Satoru Nagata², Toshiyuki Yamamoto¹
(1.Department of Pediatrics, Tokyo Womens Medical University, Tokyo, Japan, 2.Department of Pediatrics, Tokyo Womens Medical University, Tokyo, Japan, 3.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan)

- P-021 A case of mosaic variegated aneuploidy syndrome in a 2-year-old girl
Satomi Okano¹, Mika Nakajima², Yoshio Makita³, Kayano Kimura¹, Ikue Fukuda¹, Akie Miyamoto¹, Hajime Tanaka¹
(1.Hokkaido Asahikawa Habilitation Center for Disabled Children, Asahikawa,Japan, 2.Department of Pediatrics,Hakodate Chuo Hospital, Hakodate, Japan, 3.Education Center, Asahikawa Medical University)
- P-022 Six patients with subtelomeric deletions of 10q
Taichi Imaizumi^{1,2}, Keiko Yamamo¹, Takashi Shiihara³, Nobuhiko Okamoto⁴, Toshiyuki Yamamoto¹
(1.Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Pediatrics, St. Marianna University school of Medicine, Kawasaki, Japan, 3.Department of Neurology, Gunma Children's Medical Center, Gunma, Japan, 4.Department of Medical Genetics, Osaka Women's and Children's Hospital, Osaka, Japan)

Poster Presentation 4

Genetics (Research)

- P-023 Establishment of PCR decontamination laboratory for clinical sequence using dUTP-UDG system
Yo Niida, Sumihito Togi, Daiki Ura, Mamoru Ozaki (Center for Clinical Genomics, Kanazawa Medical University Hospital, Ishikawa, Japan)
- P-024 Transgenic mice with a tandem duplication of the Necdin gene overexpress Necdin
Tatsuya Kishino (Division of Functional Genomics, Center for Frontier Life Sciences, Nagasaki University, Nagasaki, Japan,)
- P-025 Elucidation of a mechanism of a female with Pelizaeus-Merzbacher disease and treatment strategy
Keiko Yamamoto¹, Yuusuke Aoki², Ken Inoue³, Toshiyuki Yamamoto^{1,4}
(1.Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Neurology, Aichi Children's Health and Medical Center, Aichi, Japan, 3.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.Course of Gene Medicine, Graduate school of medical science, Tokyo Women's Medical University, Tokyo, Japan)

Poster Presentation 5

Genetics (Involuntary movement)

- P-026 A case of monocarboxylate transporter 8 deficiency with atrophy of cerebral hemisphere and dystonia.
Kei Wakabayashi¹, Hitoshi Osaka¹, Karin Kojima¹, Taichi Imaizumi², Toshiyuki Yamamoto², Takanori Yamagata¹
(1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)
- P-027 Familial patients with PNKD due to MR-1 gene mutation treated effectively with clonazepam
Keiko Hirano¹, Masataka Ito²
(1.Department of Pediatrics, Iwata City Hospital, Iwata, Shizuoka, 2.Aoba Pediatrics, Fukuroi, Japan)
- P-028 A case of severe involuntary movements with GNAO1 mutation
Chihiro Yonee¹, Kenji Watanabe², Hisashi Tsuru¹, Manaka Matsunaga¹, Kiyoko Sameshima¹, Toshiki Takeuchi³, Tomoko Uehara³, Kenjiro Kosaki³, Nozomi Sano¹
(1.Pediatrics, Minami Kyusyu National Hospital, Kagoshima, Japan, 2.LaLaLa Children Clinic, Kagoshima, Japan, 3.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan)

Poster Presentation 6

Neurocutaneous syndrome / Congenital anomaly

- P-029 2 cases of Sturge-Weber syndrome with bilateral intracranial leptomeningeal angiomas

- Yu Abe, Wakaba Endo, Yurika Uematsu, Mitsugu Uematsu, Shigeo Kure (Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan)
- P-030 The effect of mTOR inhibitor for epilepsy and psychiatric symptoms of tuberous sclerosis
Rie Nakai¹, Kuriko Shimono^{1,2}, Ryoko Hayashi¹, Jyunpei Tanigawa¹, Yosiko Iwatani^{1,2}, Kouji Tomonaga^{1,2}, Shin Nabatame¹, Keiichi Oozono¹
(1.Department of Pediatrics, Osaka University, Osaka, Tokyo, 2.United Graduate School of Child Development, Osaka, Japan)
- P-031 A case of tuberous sclerosis complex with cerebral infarction
Tatsuya Kawaguchi¹, Takafumi Sakakibara¹, Yuki Nishikawa², Kentarou Tamura³, Yasushi Motoyama³, Tomoko Ochi⁴, Toshiteru Miyasaka⁴, Midori Shima¹
(1.Department of Pediatrics, Nara Medical University, Nara, Japan, 2.Department of Pediatrics, Minami-Nara General Medical Center, Nara, Japan, 3.Department of Neurosurgery, Nara Medical University, Nara, Japan, 4.Department of Radiology, Nara Medical University, Nara, Japan)
- P-032 Effects of the multidisciplinary team on follow-ups of the patients with tuberous sclerosis.
Atsushi Sato¹, Yusuke Sato², Shunsaku Takayanagi³, Masahiro Shin³, Shota Tanaka³, Naoto Kunii³, Tomimitsu Miyagaki⁴, Hiromasa Sawamura⁵, Hirokazu Urushiyama⁶, Go Taniguchi⁷, Kumiko Oseto⁸, Hyangri Chang⁸, Akira Oka¹, Masashi Mizuguchi⁹
(1.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.Department of Urology and Andrology, The University of Tokyo Hospital, Tokyo, Japan, 3.Department of Neurosurgery, The University of Tokyo Hospital, Tokyo, Japan, 4.Department of Dermatology, The University of Tokyo Hospital, Tokyo, Japan, 5.Department of Ophthalmology, The University of Tokyo Hospital, Tokyo, Japan, 6.Department of Respiratory Medicine, The University of Tokyo Hospital, Tokyo, Japan, 7.Department of Neuropsychiatry, The University of Tokyo Hospital, Tokyo, Japan, 8.Clinical Genomics Department, The University of Tokyo Hospital, Tokyo, Japan, 9.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)
- P-033 Promoting comprehensive medical cooperation for tuberous sclerosis in Gunma University Hospital
Tomomi Ogata¹, Noriko Sawaura^{1,2}, Kyoko Hazama¹, Kuniko Ida¹, Hirokazu Arakawa¹
(1.Department for Pediatrics, Gunma University Graduate School of Medicine, Maebashi, Japan, 2.Fukuoka Children's Hospital, Fukuoka, Japan)
- P-034 Investigation of association between sacrococcygeal dermal sinuses and spina bifida occulta.
Tatsuharu Sato, Nanako Nishiguti, Takuya Hayashida, Hiroyuki Moriuchi (The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)

Poster Presentation 7

Child development (Treatment)

- P-035 Effects of Second-Generation Antipsychotic Treatment on Body Weight of Children with ASD
Yuko Hayashi¹, Akemi Torobu², Kayo Kamoshita²
(1.Department of Pediatrics, Medical Center, Faculty of Health and Welfare, Prefectural University of Hiroshima, Mihara, Japan, 2.Department of Nursing, Faculty of Health and Welfare, Prefectural University of Hiroshima, Mihara, Japan)
- P-036 The Efficacy of Yokukansan on the language and communication in Autism Spectrum Disorder
Shigeru Hanaoka (Matsudo Municipal Center for Child Development, Matsudo City, Japan)
- P-037 Effectiveness of music therapy in children with neurological disorder and developmental disorder.
Yukiko Ichida^{1,2}, Emiko Shiba², Simpei Masyuda², Shinichi Nijjima², Toshiaki Shimizu¹
(1.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan, 2.Juntendo Nerima Hospital, Tokyo, Japan)

Poster Presentation 8

Child development (Evaluation Method / Others)

- P-038 Clinical meaning of a new criterion, social communication disorder

- Satoshi Sumi¹, Taishi Miyachi^{2,3}, Shinji Saitoh³
(1.The Department of Clinical Psychology, Faculty of Child Development, Nihon Fukushi University, Nagoya, Japan, 2.Nagoya West District Care Center for Disabled Children, Nagoya, Japan, 3.Nagoya City University Graduate School of Medicine, Nagoya, Japan)
- P-039 Vineland Adaptive Behavior Scales: II in developmental counseling clinical practice
Chizu Oba¹, Mitsuru Kashiwagi¹, Kashiwagi Mitsuru², Syohei Nomura¹, Motoko Ogino³, Mari Toshikawa⁴, Atsushi Mori⁴, Hiromi Toashikawa³, Miho Hukui³, Sosuke Yoshikawa⁵, Shuichi Shimakawa³, Eiji Wakamiya⁶
(1.Hirakata City Hospital, Osaka, Japan, 2.Tanabe child neurology clinic, Osaka, Japan, 3.Osaka Medical College, Pediatrics, Osaka, Japan, 4.Seikeikaibyoin, Osaka, Japan, 5.Daiichitouwakaibyoin, Osaka, Japan, 6.Aino College Iryouhokenngakubu Kangogakka, Osaka, Japan)
- P-040 A novel assessment with MSPA for children and adolescents with circadian rhythm sleep-wake disorder
Makiko Toyoura¹, Yuuko Toyota¹, Shigemi Kimura¹, Teruhisa Miike¹, Yukuo Konishi¹, Kiyoshi Kikuchi¹, Kyouichi Amagai², Yasuko Funabiki²
(1.Hyogo Rehabilitation Center Hospital, Hyogo Children's Sleep and Development Medical Research Center, Hyogo, Japan, 2.Graduate School of Human and Environmental Studies, Kyoto University, Kyoto)
- P-041 Experience of MSPA for developmental disorders in our hospital
Yuko Tomonoh¹, Hiroyuki Fujita¹, Seiko Suzuki¹, Naoki Shiota^{1,3}, Shiho Takano^{1,4}, Masahiro Ishii^{1,3}, Tomofumi Fukuda^{1,2,3}, Toru Yoneda^{2,5}, Nobuko Kanai^{2,6}, Chie Murakami¹, Noriko Okamoto¹, Mihoko Arikaso^{1,7}, Yoshiyasu Kono¹
(1.The Department of Pediatrics, Kitakyushu Rehabilitation Center for Children with Disabilities, Kitakyushu, Japan, 2.The Department of Pediatrics, Kitakyushu Rehabilitation Center for Children with Disabilities, West, Kitakyushu, Japan, 3.The Department of Pediatrics, University of Occupational and Environmental Health, Kitakyushu, Japan, 4.The Department of Pediatrics, Kitakyushu General Hospital, Kitakyushu, Japan, 5.Pediatric Department, JCHO Kyushu Hospital, Kitakyushu, Japan, 6.Fukuoka Welfare Center for The Handicapped, Fukuoka, Japan, 7.Kitakyushu Public Health and Welfare Bureau, Kitakyushu, Japan)
- P-042 Assessment of coordination skills in school children with neurodevelopmental disorder using M-ABC2
Yukiko Nakamura¹, Chika Kouno¹, Maki Ohsawa¹, Nobuko Sugiura¹, Yuri Ozawa¹, Hiroshi Ozawa¹, Akio Nakai², Yosuke Kita³
(1.The Department of Neuropediatrics, Shimada ryoiku center Hachioji, Tokyo, Japan, 2.Institute for Education, Mukogawa Women's University, Nishinomiya, Japan, 3.National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-043 Electrophysiological evaluation of sympathy with pleasant/ unpleasant in autistic spectrum disorders
Kakurou Aoyagi^{1,2}, Yuusuke Gotou¹, Sayaka Ishii¹, Tetsuo Ooyama¹, Masao Aihara³
(1.Department of Pediatrics, University of Yamanashi, Chuo, Japan, 2.Akebono Medical Welfare Center, Nirasaki, Japan, 3.Interdisciplinary Graduate School, University of Yamanashi, Chuo, Japan)
- P-044 Noninvasive intracranial pressure estimate method for autism spectrum disorder
Shuichi Yamada^{1,2}, Young-Soo Park¹, Ichiro Nakagawa¹, Fumihiko Nishimura¹, Yasushi Motoyama¹, Hiroyuki Nakase¹, Jiro Okada²
(1.Department of Neurosurgery, Nara Medical University, Nara, Japan, 2.Yamanobe Hospital, Nara, Japan)

Poster Presentation 9

Intervention / Support

- P-045 The effectiveness of the repetition of short-term intensive rehabilitation intervention
Daishi Inoue, Mituhiro Matsuo, Kazunori Motoyama (Nagasaki, Japan)
- P-046 Using Daunshoujino-Akachantaiso of early intervention with Down syndrome in Kagoshima
Kiyoko Sameshima, Aika Mathunaga, Chihiro Yonee, Nozomi Sano (Department of Pediatrics, Minamikyushu National Hospital, Aira, Japan.)
- P-047 Experience in end-of-life care on the institute for severe motor & intellectual disorders

- Miyuki Toyono, Tomoko Sakamoto, Yukio Sawaishi (Akita Prefectural Center on Development and Disability, Akita, Japan)
- P-048 Medical care for Adult daycare users in our severely disabled
Yoshiko Hirano, Hitoshi Yoneyama (YOTSUGI Medical Center for the Severely Disabled, Tokyo, Japan)
- P-049 Medical care for SMID with tracheal cannula-free in a day care center
Ai Ito, Yukiko Nakamura, Yuichiro Matsuoka, Chika Kono, Maki Osawa, Kaoru Amemiya, Yuri Ozawa, Hiroshi Ozawa (Shimada Ryoiku Center Hachioji, Tokyo, Japan)
- P-050 Dietary intake situations and characteristics of children with tracheotomy in our childcare center.
Naoko Koseki¹, Mika Hayakawa^{1,2}, Motoyuki Minamitani^{1,2}, Susumu Sugihara¹, Yoshiko Suzuki¹, Yukikatsu Ochiai¹, Masayuki Imai^{1,2}
(1.Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled, 2.Department of Pediatrics, Tokyo Jikei Medical University)
- P-051 Study on education of menstruation for intellectual disabled female students
Satoko Tsuda¹, Chie Kondo², Satoshi Takada^{2,3}
(1.School of Nursing, Seirei Christopher University, Japan, 2.Kobe University Graduate School of Health Sciences, 3.Kobe City Pediatric and General Rehabilitation Center for the Challenged, Japan)
- P-052 Impaired hiragana decoding suspected in a child with neonatal encephalopathy in posterior region
Naoko Kurahashi¹, Shunsuke Ogaya^{1,2}, Yuki Maki^{1,3}, Norie Nonobe⁴, Sumire Kumai¹, Yosuke Hosokawa¹, Chikako Ogawa^{2,3}, Keitaro Yamada¹, Koichi Maruyama¹, Miho Nakamura^{5,6}
(1.Department of Pediatric Neurology, Aichi Developmental Disability Center, Aichi Human Service Center, Kasugai, Japan, 2.Department of Pediatrics, Japanese Red Cross Nagoya Daiichi Hospital, Nagoya, Japan, 3.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 4.Division of Neonatology, Center for Maternal-Neonatal Care Nagoya University Hospital, Nagoya, Japan, 5.Department of Functioning Science, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan, 6.Okazaki Medical Center for Child Development, Okazaki, Japan)
- P-053 Visual information processing in very low birth weight children with reading disability.
Miho Fukui^{1,2}, Shuichi Shimakawa¹, Mari Toshikawa^{2,3}, Mekumi Mizuta², Naoko Kurimoto², Takashi Takeshita², Tomohito Okumura², Makoto Nakanishi², Eiji Wakamiya⁴, Hiroshi Tamai¹
(1.Department of Pediatrics, Osaka Medical College, Osaka, Japan, 2.LD Center, Osaka Medical College, Osaka, Japan, 3.Department of Pediatrics, Seikeikai Hospital, Osaka, Japan, 4.Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University, Osaka, Japan)

Poster Presentation 10

Epilepsy (Pharmacotherapy)

- P-054 Safety, tolerability and efficacy of adjunctive perampanel in pediatric patients: Study 311
Kaeko Ishiba¹, Shinsaku Yoshitomi², Robert Flamini³, Andras Fogarasi⁴, Mathieu Milh⁵, Steven Phillips⁶, Leock Y Ngo⁷, Anna Patten⁸, Takao Takase¹, Antonio Laurenza⁷
(1.Eisai Co Ltd, Tokyo, Japan, 2.Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, NHO, Shizuoka, Japan, 3.Pediatric and Adolescent Neurodevelopmental Associates, Atlanta, GA, USA, 4.Epilepsy Center, Bethesda Children's Hospital, Budapest, Hungary, 5.Pediatric Neurology Unit, La Timone Enfants Hospital, Marseille, France, 6.Mary Bridge Children's Neurology Clinic, Tacoma, WA, USA, 7.Eisai Inc., Woodcliff Lake, NJ, USA, 8.Eisai Ltd., Hatfield, Hertfordshire, UK)
- P-055 Assessment of the long-term efficacy and safety of adjunctive perampanel in adolescent patients
Harumi Yoshinaga^{1,2}, J Eric Pina-Garza³, Vicente Villanueva⁴, William Rosenfeld⁵, Hidetaka Hiramatsu⁶, Francesco Bibbiani⁷, Anna Patten⁸, Betsy Williams⁷, Antonio Laurenza⁷
(1.Pediatrics, National Hospital Organization Minami-Okayama Medical Center, Okayama, Japan, 2.Department of Child Neurology, Okayama University Hospital,

- Okayama, Japan, 3.The Childrens Hospital at TriStar Centennial Nashville TN United States, 4.Hospital Universitario y Politecnico La Fe Valencia Spain, 5.Comprehensive Epilepsy Care Center for Children and Adults St. Louis MO United States, 6.Eisai Co Ltd, Tokyo, Japan, 7.Eisai Inc. Woodcliff Lake NJ United States, 8.Eisai Ltd. Hatfield, Hertfordshire United Kingdom)
- P-056 Clinical efficacy and tolerability of Perampanel in our hospital
Yukako Yae, Kotaro Yuge, Ryuta Ishii, Shinichiro Nagamitsu, Yushiro Yamashita (Department of Pediatrics and Child Health, Kurume University School of Medicine)
- P-057 Study on optimal administration method of Perampanel
Yukio Sawaishi, Miyuki Toyono (Akita Prefectural Center on Development and Disability, Akita, Japan)
- P-058 Efficacy of Perampanel in padiatric patients with severe developmental disabilities
Noriko Togashi, Takehiko Inui, Yukimune Ohkubo, Takuya Miyabayashi, Ryo Sato, Moriei Shibuya, Kazuhiro Haginoya (The Department of Neurology, Miyagi Children's Hosiptal, Sendai, Japan)
- P-059 Efficacy of perampanel in patients with severe motor and intellectual disabilities
Masahiro Ishii¹, Tomofumi Fukuda¹, Jyunpei Shibahara¹, Ryota Igarashi¹, Ayako Senju¹, Masayuki Shimono¹, Koichi Kusuhara¹, Yuko Tomonou², Hiroyuki Fujita²
(1.The Department of Pediatrics, University of Occupational Environmental Health, Kitakyushu, Japan, 2.Kitakyushu Rehabilitation Center for Children with Disabilities)
- P-060 Efficacy of perampanel for refractory childhood onset epilepsy
Masahiro Kawaguchi, Takeshi Suzuki, Yuki Maki, Masaharu Tanaka, Yu Okai, Yoko Sakaguchi, Yuji Ito, Hiroyuki Yamamoto, Tomohiko Nakata, Hiroyuki Kidokoro, Tamiko Negoro, Kazuyoshi Watanabe, Jun Natsume (Department of pediatrics, Nagoya University, Nagoya, Japan)
- P-061 The efficacy of perampanel in patients with epileptic spasms
Shuichi Shimakawa, Motoko Ogino, Hikaru Kitahara, Miho Fukui, Hiroshi Tamai (Department of Pediatrics, Osaka Medical College, Osaka, Japan)
- P-062 Efficacy of ketogenic diets and perampanel in a boy with intractable epilepsy and cortical dysplasia
Mai Yoshida¹, Akira Kumakura¹, Atsushi Arai¹, Rie Ishimine¹, Kouta Sasaki¹, Kuriko Shimono², Daisuke Hata¹
(1.Department of Pediatrics, Kitano Hospital, Tadukey Kofukai Medical Research Institute, 2.Department of Pediatrics, Grduate school of Medicine, Osaka University)
- P-063 Efficacy of perampanel for controlling seizures in a patient with DRPLA
Kyoko Nakamura, Kunihiro Tamashiro, Kyomi Hirayasu (Nago Ryouiku Medical Center,Nago,Okinawa,Japan)
- P-064 Efficacy of prampanel in 2 patients with progressive myoclonus epilepsy due to DRPLA
Yukihiko Konishi¹, Kaori Koyano¹, Tomoko Nishida², Tsuyoshi Sasaki³, Sizuka Matsuoka⁴, Masanori Namba⁴, Katuhiro Kobayashi⁵, Takashi Kusaka¹
(1.Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan, 2.Department of Education for Children with Special Needs, Faculty of Education, Kagawa University, Kagawa, Japan, 3.Mitoyo General Hospital, Kagawa, Japan, 4.Kagawa Rehabilitation Hospital, Kagawa, Japan, 5.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)

Poster Presentation 11

Epilepsy (Diagnosis / Geneyics)

- P-065 Clinical characteristics of three cases with PCDH19 female epilepsy
Tanabe Masahiko¹, Takuya Hayashida², Masami Togawa³, Youko Nishimura¹, Akihiko Miura⁴, Atsushi Ishii⁵, Yoshihiro Maegaki¹
(1.Division of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University, 2.Department of Pediatrics, Nagasaki University School of Medicine, Nagasaki, Japan, 3.Department of Pediatrics, Tottori Prefectural Central Hospital, Tottori, Japan, 4.Department of Psychiatry, Tottori University School of Medicine, Tottori, Japan, 5.Department of Pediatrics, Fukuoka University, Fukuoka, Japan)
- P-066 Two cases of Christianson syndrome with Lennox-Gastaut syndrome
Azusa Ikeda¹, Ayako Yamamoto¹, Kazushi Ichikawa², Tatsuro Kumaki¹, Hikari Kaba¹, Yu

- Tsuyusaki¹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Yumi Enomoto³, Hiroaki Murakami⁴, Kenji Kurosawa⁴, Satoko Miyatake⁵, Naomichi Mastumoto⁵, Tomohide Goto¹ (1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Division of Pediatrics, Fujisawa City Hospital, Fujisawa, Japan, 3.Division of Clinical Laboratory, Kanagawa Children's Medical Center, Yokohama, Japan, 4.Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan, 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan)
- P-067 A case of early infantile epileptic encephalopathy of HCN1 gene variant
Hiroki Kubota¹, Tamami Yano¹, Tutomu Takahashi¹, Atushi Ishii², Mami Shibata², Shinichi Hirose²
(1.The Department of Pediatrics, Akita University, Akita, Japan, 2.Department of Pediatrics, Fukuoka University, Fukuoka, Japan)
- P-068 A case of IRF2BPL mutation transformed from MMPSI to West syndrome
Chizuru Ikeda¹, Takumi Okada¹, Hirohumi Kurata¹, Hiroe Ueno¹, Tomoyuki Shimazu¹, Hoseki Imamura¹, Mitsuhiro Kato², Kazuhiro Iwama³, Yuri Uchiyama³, Takeshi Mizuguchi³, Naomichi Matsumoto³
(1.Department of Pediatrics, Kumamoto Saishunso National Hospital, Kumamoto, Japan, 2.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 3.Department of Human Genetics, Graduate School of Medicine, Yokohama city University, Yokohama, Japan)
- P-069 Investigation of 10 cases of CDKL5 ,characteristics of development
Keiko Morioka¹, Yukitoshi Takahashi¹, Daisuke Usui¹, Kazuki Tsukamoto¹, Taikan Oboshi¹, Tomoshiro Ito¹, Yosuke Kimura¹, Yuki Ueda¹, Tokito Yamaguchi¹, Hideyuki Otani¹, Katsumi Imai¹, Hideo Shigematsu¹, Yushi Inoue¹, Mitsuhiro Kato², Toshiyuki Yamamoto³
(1.Shizuoka institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 2.Showa University/Tokyo,Japan, 3.Tokyo Women's Medical University/Tokyo,Japan)
- P-070 *De novo SETD1B* mutations in three cases with intellectual disability, autism and epilepsy
Takuya Hiraide^{1,2}, Mitsuko Nakashima¹, Ayako Hattori³, Daisuke Ieda³, Kaori Yamoto², Tokiko Fukuda², Mitsuhiro Katoh⁴, Hiroko Ikeda⁵, Yoko Sugie^{2,6}, Tadashi Kaname⁷, Kazuhiko Nakabayashi⁸, Shinji Saitoh³, Tsutomu Ogata², Naomichi Matsumoto⁹, Hiroto Saito¹
(1.Department of Biochemistry, Hamamatsu University School of Medicine, Hamamatsu, Japan, 2.Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan, 3.Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan, 4.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 5.Department of Pediatrics, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 6.Aoi-cho Children Clinic, Hamamatsu, Japan, 7.Department of Genome Medicine, National Center for Child Health and Development, Tokyo, Japan, 8.Department of Maternal Fetal Biology, National Research Institute for Child Health and Development, Tokyo, Japan, 9.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan)
- P-071 Clinical characteristics of developmental and epileptic encephalopathy with *YWHAG* mutations
Atsuko Arisaka¹, Takeshi Mizuguchi², Ikuko Shirai³, Hiroya Nishida¹, Hideaki Mashimo¹, Kenji Inoue¹, Mitsuhiro Kato⁴, Naomichi Matsumoto², Satoko Kumada¹, Mitsumasa Fukuda¹
(1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.Department of Human Genetics, Yokohama City University, Graduate School of Medicine, Yokohama, Japan, 3.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled , Tokyo, Japan, 4.Department of Pediatrics, Showa university, Tokyo, Japan)
- P-072 The efficacy of Levetiracetam in two cases of ring chromosome 14 syndrome with intractable epilepsy
Mari Asakura, Yoji Ikuta, Shota Endo, Daichi Suzuki, Satoka Akiyama, Kenta Hayashi, Takahiro Kawaguchi, Kunihiro Oba, Tomoko Sumita, Masayuki Kokaji, Tatsuo Katori (Department of Pediatrics, Showa General Hospital, Tokyo, Japan)
- P-073 A case of ring 20 syndrome diagnosed with nonconvulsive status epilepticus on continuous EEG

- Tomohiro Wakabayashi¹, Akiyo Yamamoto¹, Shinsuke Kato¹, Shinobu Fukumura¹, Shuji Wakai²
(1.The Department of Pediatrics, Sapporo Medical University, Hokkaido, Japan,
2.Nakanoshima Clinic, Hokkaido, Japan)
- P-074 De novo microdeletions of chromosome 6q14.1 in a female patient with West syndrome.
Miho Adachi¹, Hiroshi Ninomiya¹, Yoriko Matsuzawa¹, Takuya Hiraide², Kazuo Kubota¹,
Takahiro Yamamoto¹, Takeshi Kimura¹, Norio Kawamoto¹, Mitsuko Nakashima², Minako
Kawamoto¹, Hidenori Onishi¹, Hiroto Saito², Toshiyuki Fukao¹
(1.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan,
2.Department of Biochemistry, Hamamatsu University School of Medicine, Shizuoka, Japan)
- P-075 BCECTS-like epilepsy in a patient with Worster-Drought syndrome
Tomohiko Nakata¹, Atsuko Ohno², Masahiro Kawaguchi¹, Takeshi Suzuki¹, Yuki Maki¹,
Masaharu Tanaka¹, Yu Okai¹, Yoko Sakaguchi¹, Yuji Ito³, Hiroyuki Yamamoto¹, Hiroyuki
Kidokoro¹, Kazuyoshi Watanabe¹, Jun Natsume¹
(1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya,
Japan, 2.Department of Child Neurology, Toyota Municipal Child Development Center,
Toyota, Japan., 3.Department of Pediatrics, Aichi Prefectural Mikawa Aitorimedical and
Rehabilitation Center for Developmental Disabilities, Okazaki, Japan)
- P-076 Identification of epileptogenic astrocyte mediated by astrocytic Ca²⁺ signals via IP₃ receptor type2
Fumikazu Sano^{1,2}, Eiji Shigetomi¹, Koizumi Schuichi¹, Hideaki Kanemura², Katsuhiko
Mikoshihara³, Takeshi Inukai², Masao Aihara²
(1.Department of Neuropharmacology, Interdisciplinary Graduate School of Medicine,
University of Yamanashi, Yamanashi, Japan, 2.Department of Pediatrics, Faculty of
Medicine, University of Yamanashi, Yamanashi, Japan, 3.Laboratory for Developmental
Neurobiology, RIKEN Brain Science Institute, Saitama, Japan)
- P-077 Clinical characteristics of epilepsy in three patients with Mowat-Wilson Syndrome.
Ken Ito, Norimichi Higurashi, Kenjiro Kikuchi (Pediatrics, The Jikei University, Tokyo,
Japan)

Poster Presentation 12

Imaging / Seizure manifestation

- P-078 Post-ictal brain perfusion of febrile status epilepticus measured by arterial spin labeling
Sora Okita, Atuko Kanagawa, Tomosi Nakajiri, Atsushi Nisiyama, Yosinobu Oyazato (The
department of Pediatrics, Kakogawa Central City Hospital)
- P-079 Two cases of clinically MERS complicated with cerebellitis: diagnostic value of ASL
Keisuke Ootsuka¹, Takuya Hayashida², Nanako Nishiguchi², Tatsuharu Sato², Hiroyuki
Moriuchi²
(1.Medical Education Development Center, 2.Department of Pediatrics, Nagasaki
University, Nagasaki, Japan)
- P-080 A case of 4p-syndrome with MRI abnormal signal after seizures
Reina Ogata, Yukie Yasunaga, Kyoko Watanabe (National Hospital Organization Kokura
Medical Center, Fukuoka, Japan)
- P-081 Relapse of convulsion during CT scanning after cessation of febrile status epilepticus in infancy
Yuji Sugawara, Takeshi Hasegawa (Department of Pediatrics, Soka Municipal Hospital,
Soka, Japan)
- P-082 Features of breath holding spell (BHS) cases who visited Sendai City Hospital ER between 2014-
2018.
Taro Kitamura, Mitsuji Moriya (Division of Pediatrics, Sendai City Hospital, Sendai,
Japan)
- P-083 How to differentiate benign sleep myoclonus in infancy mimicking myoclonic epilepsy
Masharu Ohfu, Misaki Sugai (Division of Pediatrics, Nanbu Tokusuyukai Hospital,
OKINAWA, JAPAN)

Poster Presentation 13

Spinal muscular atrophy

- P-084 A case of spinal muscular atrophy treated by nusinersen from immediately after the diagnosis.

- Atsushi Shimasaki (Pediatrics, University of Nagasaki, Nagasaki, Japan)
- P-085 Alteration in respiratory function after administration of Nusinersen to SMA type 1.
Naoko Ishihara, Soichiro Ishimaru, Yoshiki Kawamura, Tetsushi Yoshikawa (Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan)
- P-086 A case of 14-year-old girl with spinal muscular atrophy type 1 who started Nusinersen treatment
Mio Watanabe¹, Yuki Shimizu¹, Eriko Suzuki¹, Yuri Douwa¹, Takashi Shiihara¹, Atsuko Roppongi², Yumiko Usuda²
(1.Gunma Children's Medical Center, Department of Neurology, Gunma, Japan, 2.Gunma Children's Medical Center, Department of Rehabilitation, Gunma, Japan)
- P-087 Problems and solutions in administering nusinersen for 2 patients with SMA(type1, 3)at our hospital
Chiho Tokorodani¹, Ritsuo Nishiuchi¹, Daisuke Usui²
(1.The department of pediatrics, Kochi Health Sciences Center, Kochi, Japan, 2.The department of pediatrics, Tano hospital, Kochi, Japan)
- P-088 A case of spinal muscular atrophy type2 successfully treated with nusinersen soon after onset.
Yu Kakimoto¹, Takayuki Mori¹, Satoshi Takenaka¹, Konomi Shimoda¹, Atsushi Sato¹, Akira Oka¹, Masashi Mizuguchi²
(1.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)
- P-089 Explore evaluation methods of nusinersen efficacy on severe SMA patients with limited motor function
Kotaro Yuge¹, Toshie Devereaux², Kimimasa Tobita², Yushiro Yamashita¹
(1.Department of pediatrics and child health kurume university school of medicine, Kurume, Japan, 2.Rare disease (SMA), medical, Biogen Japan Ltd., Tokyo, Japan)
- P-090 Change of autonomic function by Nusinersen using heart rate variability analysis in SMA type 2 and 3
Noriko Sumitomo, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saito, Hirofumi Komaki, Eiji Nakagawa, Masayuki Sasaki (Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-091 Changes in electrophysiological findings by Nusinersen administration in SMA type 2 or type 3
Yukie Arahata, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saito, Hirofumi Komaki, Eiji Nakagawa, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-092 The use of nusinersen to treat spinal muscular atrophy
Nobutsune Ishikawa, Yuichi Tateishi, Hiroo Tani, Yoshiyuki Kobayashi¹, Masao Kobayashi (Department of Pediatrics, Hiroshima University Hospital)
- P-093 Current status of Nusinersen therapy for SMA in our hospital
Michiko Makino, Yumiko Ohono, Keiko Akahoshi, Shuuji Matsui, Keiko Wada, Masuko Funahashi, Toshihide Shiiki (Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)
- P-094 All cases of spinal muscular atrophy with nusinersen treatment on Shikoku island
Risako Urate¹, Kaori Aibara², Takahiro Motoki², Satoshi Maniwa³, Yoshihiro Touda⁴, Tatsuo Mori⁴, Tomohiro Soga⁵, Yukihiro Konishi⁶, Shigehiro Nagai⁷, Chiho Tokorodani⁸, Rituo Nishiuchi⁸, Rina Ando⁹, Satoshi Tada⁹, Yuki Yamanishi⁹, Masahiro Nagai⁹
(1.Student, School of Medicine, Ehime University, Ehime, Japan, 2.The Pediatric Department, Ehime University School of Medicine, Ehime, Japan, 3.Department of Pediatrics, Matsuyama Red Cross Hospital, Ehime, Japan, 4.Department of Pediatrics Graduate School of Medical Sciences Tokushima University, Tokushima, Japan, 5.Department of Anesthesiology, Tokushima University Hospital, Tokushima, Japan, 6.Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan, 7.Department of Child Neurology, Shikoku Medical Center for Children and Adults, Kagawa, Japan, 8.Department of Pediatrics, Kochi Health Sciences Center, Kochi, Japan, 9.Department of Neurology and Clinical Pharmacology, Ehime University Graduate School of Medicine, Ehime, Japan)
- P-095 Analysis of intrathecal administration of nusinersen for SMA type1 in Kagoshima
Yusei Baba¹, Shinsuke Maruyama¹, Manaka Matsunaga², Chihiro Yonee², Nozomi Sano², Kenji Watanabe³, Kazuyuki Yotsumata⁴, Yoshifumi Kawano¹
(1.Pediatrics, Kagoshima University Faculty of Medicine, Kagoshima, Japan, 2.National

- Hospital Organization, Minamikyushu Hospital, Kagoshima, Japan, 3.Lalala Children's Clinic, Kagoshima, Japan, 4.Kagoshima City Hospital, Kagoshima, Japan)
- P-096 The RESTORE Registry: A Resource for Measuring and Improving Spinal Muscular Atrophy (SMA) Outcomes
Richard S. Finkel¹, John W. Day², Darryl C. De Vivo³, Janbernd Kirschner⁴, Eugenio Mercuri⁵, Marcus Droege⁶, author list truncated⁷, Laurent Servais⁸
(1.Nemours Children's Hospital, 2.Stanford University Medical Center, 3.Columbia University Irving Medical Center, 4.University Medical Center Freiburg, 5.Catholic University, 6.AveXis, Inc., 7.Truncated list, 8.Institut de Myologie, Hopital La Pitié Salpêtrière)

Poster Presentation 14

Acute flaccid paralysis

- P-097 Early diagnosis of infant botulism with electromyography
Konomi Shimoda¹, You Kakimoto¹, Takayuki Mori¹, Akatsuki Takenaka¹, Atsushi Satou¹, Akira Oka¹, Masashi Mizuguchi²
(1.The Department of Pediatrics, University of Tokyo, Tokyo, Japan, 2.Department of Developmental Medical Sciences, School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)
- P-098 A case of acute flaccid myelitis with infection of Coxsackie virus A4 detected from blood sample
Fumihiko Fujii, Satoshi Akamine, Fumiya Yamashita, Kenichi Maeda, Pin Fee Chong, Ryutaro Kira (Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- P-099 A case of severe acute flaccid myelitis associated with Enterovirus D68
Yasuhiro Rokushika, Kosuke Yamamoto, Yukie Matsunaga, Aya Yoshida, Kei Ohashi, Rika Nagasaki, Miho Hamada, Minoru Kokubo (The Aichi Prefectural Federation of Agricultural Cooperatives for Health and Welfare Kainan Hospital, Aichi, Japan)
- P-100 Two cases of acute flaccid myelitis.
Shodo Hirano, Ken Nakajima, Taikan Oboshi, Tomokazu Kimizu, Tae Ikeda, Yukiko Mogami, Keiko Yanagihara, Yasuhiro Suzuki (Osaka Women's and Children's Hospital, Osaka, Japan)
- P-101 Neurophysiological findings in two cases with acute flaccid myelitis due to enterovirus D68
Satoru Kobayashi (Department of Pediatrics, Nagoya City West Medical Center, Nagoya, Japan)
- P-102 A case of acute flaccid myelitis in which two courses of immunoglobulin mass therapy was effective
Masao Suda¹, Go Kawano¹, Kensuke Sakata¹, Takaoki Yokochi¹, Toyojiro Matsuishi², Toshiyuki Takahashi³, Keiko Taya⁴
(1.St. Mary Hospital Pediatrics Department, Kurume, Japan, 2.St. Mary's Hospital Pediatric Integrated Research Center Rett syndrome research center, Kurume, Japan, 3.Tohoku University Graduate School of Medicine Department of Neurology, Sendai, Japan, 4.National Institute of Infectious Diseases Infectious Disease Surveillance Center, Tokyo, Japan)

Poster Presentation 15

Acute encephalopathy (Status epilepticus type)

- P-103 Three cases of AESD: Accompanied with acute encephalitis and central nervous system vasculitis
Naohiro Yamamoto^{1,2}, Hisashi Kawawaki^{1,2}, Shizuka Nagase^{1,2}, Takeshi Inoue^{1,2}, Megumi Nukui^{1,2}, Ichiro Kuki^{1,2}, Shin Okazaki^{1,2}
(1.Department of Pediatric Neurology, Pediatric Medical Care Center, Osaka City General Hospital, Osaka, Japan, 2.Child and Adolescent Epilepsy Center, Osaka City General Hospital, Osaka, Japan)
- P-104 Predicted score of acute encephalopathy with biphasic seizure and late reduced diffusion
Mitsuji Moriya, Taro Kitamura, Toshihiro Ohura (The Pediatrics of Sendai City Hospital, Miyagi, Japan)
- P-105 Post-encephalopathic epilepsy in 6 cases with AESD in our hospital
Hidetoshi Ishigaki, Takuya Hiraide, Taiju Hayashi, Rei Urushibata, Tokiko Fukuda

- (Pediatric department of Hamamatsu university school of Medicine, Shizuoka, Japan)
P-106 Epilepsy after acute encephalopathy with biphasic seizures and late reduced diffusion
Yoshihiro Watanabe, Masamune Sakamoto, Yoshitaka Oyama, Saoko Takeshita
(Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)

Poster Presentation 16

Acute encephalopathy (Others)

- P-107 A case of Leukoencephalopathy caused by Hematopoietic stem cell transfusion
Saori Kawakami¹, Moeri Tsuji¹, Ai Yamada², Hiroaki Ono¹, Yuko Ichimiya¹, Noriyuki Kaku¹, Yoshito Ishizaki¹, Masafumi Sanefuji¹, Utako Ohba¹, Yuhki Koga¹, Yasunari Sakai¹, Hiroshi Moritake², Shouichi Ohga¹
(1.The Department of Pediatrics, University of Kyushu, Fukuoka, Japan, 2.The Department of Pediatrics, University of Miyazaki, Miyazaki, Japan)
- P-108 A lethal case of hemophagocytic lymphohistiocytosis with acute encephalopathy
Koichi Tanda, Atsuna Kotani, Hidehito Kondoh, Akira Nishimura (Department of Pediatrics, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan)
- P-109 A Case of Acute Focal Bacterial Nephritis (AFBN) with Acute Encephalopathy
Eisuke Kondo, Hiroto Akaike, Mina Kouno, Atsushi Kato (Department of Pediatrics, Kawasaki Medical School, Okayama, Japan)
- P-110 Two cases of acute encephalopathy in suspected IgA vasculitis
Shinpei Abe¹, Mika Nakazawa¹, Ayuko Igarashi^{1,2}, Mitsuru Ikeno¹, Toshiaki Shimizu¹
(1.The Department of Pediatrics, Juntendo University, Tokyo, Japan, 2.Tokyo Rinkai Hospital, Tokyo, Japan)
- P-111 Acute encephalopathy in a 2-year-old boy with periodic fever
Yuko Ichimiya^{1,2}, Saori Kawakami¹, Noriyuki Kaku^{1,2}, Tamami Tanaka¹, Yasunari Sakai¹, Ryoji Taira¹, Kousuke Yonemoto¹, Yuri Sonoda¹, Michiko Torio¹, Yoshito Ishizaki¹, Masafumi Sanefuji^{1,3}, Shoichi Ohga¹
(1.Department of Pediatrics, Kyushu University, Japan, 2.Emergency and Critical Care Center, Kyushu University, Fukuoka, Japan, 3.Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan)

Poster Presentation 17

Virus infection / Cerebellitis

- P-112 Nationwide surveillance census of patients with subacute sclerosing panencephalitis in 2018.
Satoshi Takenaka¹, Yu Kakimoto¹, Takayuki Mori¹, Konomi Shimoda¹, Atsushi Sato¹, Masashi Mizuguchi², Akira Oka¹
(1.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.Department of Developmental Medical Sciences, School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)
- P-113 A case of acute necrotizing encephalopathy by the influenza virus that enforced hypothermia therapy.
Shino Uchihara, Sadao Nakamura (Department of Child Health and Welfare (Pediatrics), Graduate School of Medicine, University of the Ryukyus, Nishihara, Okinawa, Japan)
- P-114 A case of recurrent encephalopathy, human parechovirus encephalopathy and AESD
Akiko Koyama, Anzu Noda (Saitama Citizen Medical Center, Saitama, Japan)
- P-115 A boy with transient extensive white matter lesions during herpes simplex encephalitis
Hiroko Matsushita¹, Hiroyuki Ishida¹, Sozo Okano¹, Naoki Satogami², Tatsuya Nakamichi³, Katsumi Hayakawa⁴
(1.Department of Pediatrics, Kyoto City Hospital, Kyoto, Japan, 2.Department of Radiology, Kyoto City Hospital, Kyoto, Japan, 3.Department of Pediatrics, Kashiba Hospital, Nara, Japan, 4.Department of Radiology, Kyoto First Red Cross Hospital, Kyoto, Japan)
- P-116 Case study; Focal epilepsy as a long term sequela of Parvovirus B19 encephalitis
Takako Matsumoto, Toshirou Maihara (Hyogo Prefectural Amagasaki General Medical Center)
- P-117 A case of acute encephalopathy and thyroid crisis

- Hiroko Iwamatsu, Takuya Hara, Yuka Hanaki, Takuro Oono (Oitaprefectural Hospital, Oita, Japan)
- P-118 A case of rotavirus cerebellitis with prolonged consciousness disturbance and mutism
Hiromi Aoyama, Yoshimi Watanabe, Kazuo Kodama, Taku Omata (Neurology, Chiba Children Hospital, Chiba, Japan)
- P-119 TRH therapy for the persistent disturbance of consciousness caused by an encephalitis.
Kanao Morita, Kosuke Kohashi, Masato Mori (Pediatrics, Matsudo City General Hospital)
- P-120 4 cases of acute cerebellar ataxia, whose treatment were decided by general condition at admission.
Yuki Naito, Tadaki Oomae, Tosio Osamura, Noriko Hujii (Japanese Red Cross Society Kyoto Daini Hospital)

Poster Presentation 18

Cerebrovascular disease

- P-121 A toddler case of dural arteriovenous fistula developed spinal infarction
Koji Takahashi¹, Akiko Haibara¹, Kentarou Shirai¹, Yumie Tamura¹, Akimitsu Watanabe¹, Masataka Yoshimura², Susumu Hirota², Shinji Yamamoto²
(1. The Department of Pediatrics, Tsuchiura Kyodo General Hospital, Ibaraki, Japan, 2. The Department of Neurosurgery, Tsuchiura Kyodo General Hospital, Ibaraki, Japan)
- P-122 Correlation between Moyamoya vascular stenotic lesion and the distribution of shear stress
Muneaki Matsuo¹, Kouhei Inoue², Syouta Serigaya³, Kenjiro Shimano³
(1. Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan, 2. Department of Neurosurgery, Faculty of Medicine, Saga University, Saga, Japan, 3. Department of Mechanical Systems Engineering, Faculty of Engineering, Tokyo City University, Tokyo, Japan)
- P-123 Diagnostic delay of brain infarction in the pediatric population.
Yoshikazu Kitami, Sahoko Miyama (The Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan)
- P-124 A case of cyclosporine associated encephalopathy with aphasia.
Takao Morimune, Jun Matsui, Noriko Nishikura, Tatsuyuki Sokoda (The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

Poster Presentation 19

Neurosurgery

- P-125 A pediatric case of traumatic transverse sinus stenosis due to epidural hematoma
Fumitaka Yoshioka, Shoko Shimokawa, Jun Masuoka, Tatsuya Abe (Department of Neurosurgery, School of medicine, Saga University, Saga, Japan)
- P-126 A case of childhood stroke caused by supraventricular tachycardia treated with thrombectomy
Hitomi Hayashi, Takako Fujita, Yukiko Ihara, Takumi Yamaguchi, Atsushi Ishii, Tatuki Miyamoto, Hiroshi Ideguchi, Takahito Inoue, Shinichi Hirose (Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan)
- P-127 A boy developing repetitive neurological symptoms of unknown pathophysiology
Motoko Ogino¹, Shuichi Shimakawa¹, Miho Fukui¹, Mari Toshikawa^{1,3}, Atsuko Harada², Hiroshi Tamai¹
(1. Osaka Medical College Hospital, Osaka, Japan, 2. Takatsuki Hospital, Osaka, Japan, 3. Seikiekai Hospital, Osaka, Japan)
- P-128 Resolution of sleep apnea by surgical decompression in a case with Chiari type I malformation
Masahiro Kikuchi¹, Akiyoshi Hiraki¹, Akihiro Nakamura¹, Naruyoshi Suwabe¹, Yasuo Oyake¹, Yasushi Kimura², Yoji Komatsu²
(1. Department of Pediatrics, Hitachi General Hospital, Hitachi, Japan, 2. Department of Neurosurgery, Hitachi General Hospital, Hitachi, Japan)

Poster Presentation 20

Headache

- P-129 A case of recurrent painful ophthalmoplegic neuropathy requiring strabismus surgery.

Mahito Atobe¹, Yasuko Kojima¹, Yuusuke Aoki¹, Motomasa Suzuki¹, Kazuya Itomi¹, Junna Horio², Kinichi Tsuzuki²

(1.Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Ohbu, Japan, 2.Department of ophthalmology, Aichi Children's Health and Medical Center, Ohbu, Japan)

- P-130 A case in which Kampo medicine was successful in chronic daily headache with ASD coexisting
Hirohiko Ozaki (Department of pediatrics The National Rehabilitation Center for Children with Disabilities)
- P-131 A study of lomerizine hydrochloride for chronic daily headache of children
Kaori Mizukawa, Takako Kobayashi, Haruka Takita, Kanau Watabe, Takeshi Suguyama (Department of Pediatrics Ichinomiyanishi Hospital, Aichi, Japan)
- P-132 A pediatric case of primary cough headache
Yuko Omata, Yoshiko Takahashi, Tomoko Nakazawa (Department of Pediatrics, Chiba Medical Center, Chiba, Japan)

Poster Presentation 21

Mental disorders

- P-133 A 14-year-old girl required artificial breathing for impaired consciousness by dissociative disorder
Yasuo Kitagishi^{1,2}, Tatuyuki Sokoda², Kashirou Nishizawa¹, Shinobu Yoshida¹, Tamayo Ishikawa¹
(1.Omihachiman Community Medical Center, Shiga, Japan, 2.Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)
- P-134 Consideration for psychosomatic disease of infant
Yuri Narita¹, Shin-Ichiro Hamano², Mai Kuroda¹
(1.Division of Psychology, Center for Child Health and Development, Saitama Children's Medical Center, Saitama, Japan, 2.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)
- P-135 Clinical study of psychogenic psychogenic gait disorders
Hisako Yamamoto^{1,2}, Yusaku Miyamoto^{1,2}, Taichi Imaizumi², Kanako Takeda^{1,2}, Syoutarou Kaku², Syuji Hashimoto², Natsuko Arai², Noriko Udagawa², Hitoshi Yamamoto²
(1.Division of Pediatrics, Kawasaki Municipal Tama Hospital, St. Marianna University School of Medicine, Kanagawa Japan, 2.Department of Pediatrics, St. Marianna University School of Medicine, Kanagawa, Japan)

Poster Presentation 22

Newborn / Perinatal brain damage

- P-136 Acute stage cerebral infarction after neonatal asphyxia:Two case reports
Shotaro Kaku¹, Takashi Mori¹, Takumi Moriuchi¹, Emi Okishio¹, Taichi Imaizumi², Kanako Takeda², Hisako Yamamoto³, Syuzi Hashimoto⁴, Natsuko Arai², Noriko Udagawa², Yusaku Miyamoto³, Isamu Hokuto^{2,5}, Hitoshi Yamamoto²
(1.Division of Neonatology, Department of Pediatrics St.Marianna University, School of Medicine Yokohama City Seibu Hospital, 2.Department of Pediatrics St.Marianna University, School of Medicine, 3.Department of Pediatrics Kawasaki Municipal Tama Hospital, 4.Department of Pediatrics St.Marianna University, School of Medicine Yokohama City Seibu Hospital, 5.Division of Neonatology, St.Marianna University, School of Medicine Perinatal Medical Center)
- P-137 A case of neonatal stroke with signal changes in the corticospinal tracts and the corpus callosum
Daisuke Sawada^{1,2}, Kyosuke Ibi¹, Yuta Ito^{1,2}, Hiroshi Matsumoto¹, Katsunori Fujii²
(1.Department of Neonatology, Asahi General Hospital, Chiba, Japan, 2.Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan)
- P-138 The effect of mild IVH in preterm infants on the cerebellum and neurodevelopment at 3 years of age
Satoshi Sakaue, Tatsuji Hasegawa, Eisuke Ichise, Akari Takai, Yui Zen, Michiko Yoshida, Takenori Tozawa, Tomohiro Chiyonobu, Masafumi Morimoto (The Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- P-139 Characteristics of visual cognition of extremely premature infants and their developmental

effects

- Kinya Hidaka^{1,2}, Kimiko Deguchi¹, Ryoichiro Iwanaga²
(1.Deguchi Pediatric Clinic, Nagasaki, Japan, 2.Nagasaki University Graduate School of Biomedical Sciences)
- P-140 Neurodevelopmental outcome of very low birth weight infants at age 9
Michiko Torio¹, Mariko Iwayama², Hirotsuke Inoue², Masayuki Ochiai², Yuri Sonoda³, Yoshito Ishizaki¹, Masafumi Sanefuji³, Yasunari Sakai¹, Shouichi Ohga¹
(1.Department of Pediatrics, Graduate school of Medical Science, Kyushu University, Fukuoka, Japan, 2.Comprehensive Maternity and Perinatal Care Center, Kyushu University Hospital, Fukuoka, Japan, 3.Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan)
- P-141 A case report of simplified gray pattern with neonatal encephalopathy.
Mari Sugimoto¹, Hajime Sakuma¹, Kaori Aiba¹, Yasuko Togawa¹, Norihisa Koyama¹, Kenji Yokochi^{1,2}, Satomi Mihashi³, Naomichi Matsumoto³
(1.Tohoyashi municipal Hospital, Aichi, Japan, 2.Seirei Mikatahara General Hospital, Shizuoka, Japan, 3.Yokohama City University Medical Center, Yokohama, Kanagawa, Japan)
- P-142 A case of congenital toxoplasmosis with favorable prognosis by early intervention.
Sayaka Ishii^{1,2}, Kosuke Nakamura¹, Sonoko Mizorogi², Kei Tamaru¹, Yuko Kamiya¹, Hideaki Kanemura², Masao Aihara³
(1.Department of pediatrics, National Hospital Organization Kofu National Hospital, Yamanashi, Japan, 2.Department of pediatrics, University of Yamanashi, Yamanashi, Japan, 3.Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi, Yamanashi, Japan)
- P-143 Two cases of the Mobius' syndrome that abducens nerve palsy was found in late onset
Atsuko Oba¹, Hirokazu Takeuchi¹, Shin-Ichiro Hamano²
(1.Department of Pediatrics, The Jikei University Kashiwa Hospital, Chiba, Japan, 2.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan)

Poster Presentation 23

Nutrition

- P-144 Postweaning iron deficiency in rats alters the reelin expression in the nucleus accumbens
Noriko Nishikura¹, Koudai Hino², Tomoko Kimura², Yasuhiro Uchimura², Takao Morimune¹, Jun Matsui¹, Tatsuyuki Sokoda¹, Chihiro Sawai¹, Yuko Sakaue¹, Yoshihiro Takeuchi¹, Yoshihiro Maruo¹, Jun Udagawa²
(1.Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan, 2.Department of Anatomy, Shiga University of Medical Science, Shiga, Japan)
- P-145 Carnitine blood concentration and muscle mass correlation of patients with SMIDs taking VPA.
Michi Takahashi¹, Ushio Ohtaki¹, Kayoko Takahashi¹, Akiko Kamiishi¹, Kiyoshi Arimoto¹, Satoshi Kimiya¹, Hiroshi Ozawa²
(1.Shimada center for rehabilitation and neurodevelopmental intervention for children, Tokyo, Japan, 2.Hachioji Shimada center for rehabilitation and neurodevelopmental intervention for children, Tokyo, Japan)
- P-146 A case of vitamin K deficiency due to long term antibiotics administration and malnutrition
Hiroyuki Fujita¹, Yuko Tomonoh¹, Seiko Suzuki¹, Chie Murakami¹, Noriko Okamoto¹, Yoshiyasu Kohno¹ (The department of pediatrics, Kitakyushu Rehabilitation Center for Children with Disabilities)

Poster Presentation 24

Cerebral palsy

- P-147 A case of ulegyria in bilateral paracentral lobule of primary motor cortex
Yuji Takizawa¹, Satoko Kumada², Ikuko Suzuki³
(1.Pediatrics, Nishisaitama-chuo National Hospital, Saitama, Japan, 2.Pediatric Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 3.Pediatrics, Hikarinoie Ryoiku Center, Saitama, Japan)
- P-148 Hypotonic quadriplegia with TBL1XR1 pathogenic variant in a patient

Moriei Shibuya¹, Kazuhiro Haginoya¹, Noriko Togashi¹, Takehiko Inui¹, Yusuke Takezawa¹, Yukimune Ookubo¹, Takuya Miyabayashi¹, Ryo Sato¹, Naomichi Matumoto², Noriko Miyake²
(1.Department of Pediatric Neurology, Miyagi Children's Hospital, Miyagi, Japan, 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan)

- P-149 Constraint-induced movement therapy for children with hemiparesis and unilateral cerebral palsy
Ryo Tanabe, Kentaro Sano, Kana Kojima, Kaoru Uchiyama, Atsuko Wakui, Mitsuko Ishii (Department of Child Neurology, Chiba Rehabilitation Center, Chiba, Japan)
- P-150 Botulinum toxin therapy for a case with cerebral palsy contain involuntary movement and spasticity
Hiromi Yamaguchi¹, Tomomi Ooishi¹, Eriko Kitahara¹, Naomi Yoshikawa², Shinpei Abe², Mitsuru Ikeno², Toshiyuki Fujiwara³
(1.Department of Rehabilitation, Juntendo University Hospital, Tokyo, Japan, 2.Department of Pediatrics, Juntendo University Hospital, Tokyo, Japan, 3.Department of Rehabilitation Medicine Juntendo University Graduate School of Medicine)
- P-151 Heart rate variability in patients with SMIDs who breathe with uncontrolled hiccup-like movements
Kiyotaka Suzuki (Toyohashi Medical Center, Toyohashi, Aichi, Japan)
- P-152 Clinical features of severe scoliosis in cerebral palsy
Sachiko Onoe, Tokuji Koda, Makoto Watanabe (Hirakata General Hospital for Developmental Disorders, pediatrics, Osaka, Japan)
- P-153 Gut microbiota composition in patients with severe motor and intellectual disabilities.
Naoyuki Tanuma¹, Keiko Tominaga², Keiko Watanabe¹, Naho Saito¹, Ikuko Shirai¹, Ayaka Koide¹, Wakana Furushima¹, Masahiro Ito¹, Hiroshi Sakuma³
(1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, 2.Department of Internal Medicine, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 3.Department of Brain Development and Neural Regeneration, Tokyo, Japan)
- P-154 Health-care transition in patients with SMID who needed medical care in Oita prefecture
Asuka Nagahama¹, Seigo Korematsu², Keisuke Sato³, Mutsumi Akaishi⁴, Koichi Iida⁴
(1.Department of Pediatrics, Sekiaikai Sakanoichi Hospital, Oita, Japan, 2.Department of Pediatrics, Nakatsu municipal Hospital, Oita, Japan, 3.The Holly Mother of Grace Hospital Home for Children and Persons with Severe Motor and Intellectual Disabilities, Oita, Japan, 4.Department of Neonatology, Oita Prefectural Hospital, Oita, Japan)
- P-155 Interview survey about home life of patients with complex medical conditions and disabilities
Akihiro Ikeda¹, Syunsuke Matsumori¹, Yoshihiro Maegaki², Hiroyuki Yamada², Yoko Nishimura², Akiko Tamasaki³
(1.School of Medicine, Tottori University, Yonago, Japan, 2.Division of Child Neurology, Department of Brain and Neuroscience, Tottori University, Yonago, Japan, 3.Tottori University Hospital)
- P-156 Clinical survey of children with cerebral palsy in Tottori Prefecture for 10 years.
Hiroyuki Yamada¹, Akiko Tamasaki², Madoka Shiota³, Masami Togawa⁴, Yasushi Utsunomiya⁴, Yoshinori Maeoka⁵, Sakae Narai⁶, Takayoshi Okada⁶, Chitose Sugiura^{6,7}, Yasuki Kobayashi⁸, Yoshihiro Maegaki¹
(1.Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan, 2.Child Home Care Support Center, Faculty of Medicine, Tottori University, Yonago, Japan, 3.Tottori Prefectural Rehabilitation Center for Children with Disabilities, Yonago, Japan, 4.Department of Pediatrics, Tottori Prefectural Central Hospital, Tottori, Japan, 5.Tottori Prefectural Tottori Care Center of Disabled Infants, Tottori, Japan, 6.Department of Pediatrics, Tottori Prefectural Kousei Hospital, Kurayoshi, Japan, 7.Tottori Prefectural Chubu Care Center of Disabled Infants, Kurayoshi, Japan, 8.Department of Public Health/Health Policy, The University of Tokyo, Tokyo, Japan)

Poster Presentation 25

Severe motor and intellectual disabilities / Home care

- P-157 Two case of tracheostomy positive pressure ventilation induced pneumatosis intestinalis
Saeko Sasaki, Fumihito Nozaki, Tomohiro Kumada, Minoru Shibata, Anri Hayashi,
Mioko Mori, Kenji Inoue, Atsushi Mori, Tatsuya Fujii (Shiga Medical Center for
children, Shiga, Japan)
- P-158 Three cases requiring medical care with totally implantable venous access ports.
Takahiro Yamamoto^{1,2}, Kazuo Kubota², Yoriko Matsuzawa², Hiroshi Ninomiya², Takeshi
Kimura², Norio Kawamoto², Satoko Nishimura^{1,2}, Toshiyuki Fukao²
(1. Department of Disability Medicine, Graduate School of Medicine, Gifu University, Gifu,
Japan, 2. Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu,
Japan)
- P-159 Unsatisfactory end of life consequence of children with severe motor and intellectual disabilities
Yuko Nakamura¹, Manabu Tanaka², Takuya Hayashi¹, Takehiro Niitsu¹, Ikuya Ueta¹
(1. Division of Emergency & Critical Care Medicine, Saitama Children's Medical
Center, Saitama, Japan, 2. Division of General medicine, Saitama Children's Medical
Center, Saitama, Japan)
- P-160 Advance care planning for a patient of progressive neurological disease
Kaoru Amemiya^{1,2}, Akiko Miyata¹, Hiroya Nishida³
(1. Saiwaikodomoclinic, Tokyo, Japan, 2. Shimadaryoiku center Hachioji, Tokyo, Japan,
3. Metropolitan Neurological Hospital, Tokyo, Japan)
- P-161 Survey on children and families who need medical care at home in Hamamatsu city
Yusaku Endo, Miki Asahina, Teruhiko Suzuki, Koichi Hirano (Department of Pediatrics
(Pediatric Neurology), Hamamatsu City Welfare and Medical Center for Development,
Hamamatsu, Japan)
- P-162 Survey on welfare facilities for children who need medical care at home in Hamamatsu city
Teruhiko Suzuki, Miki Asahina, Yuusaku Endo, Kouiti Hirano (Department of Pediatrics
(Pediatric Neurology), Hamamatsu City Welfare and Medical Center for Development,
Hamamatsu, Japan)
- P-163 Human resource development to build up child home care system in Tottori prefecture
Akiko Tamasaki¹, Yoshihiro Maegaki²
(1. Child Home Care Center, Tottori University Hospital, 2. Development of Child
Neurology, Faculty of Medicine, Tottori University)
- P-164 Standardization of medical care in support education school
Mihoko Mizuno, Masami Asai, Izumi Tamura, Yuutarou Yamauchi
(Daido Hospital Children's Medical Center, Nagoya, Japan)
- P-165 Get ready for emergency! - evacuation drills for outpatients with SMID and supportive stuffs
Youko Kawasaki¹, Youko Matsumoto¹, Mio Nishimura¹, Mariko Yagi¹ (Department of
Pediatrics, Nikoniko House Medical and Welfare Center, Kobe, Japan)
- P-166 A survey of preparedness for disaster to people with disabilities or special requirements
Toru Yoneda
(The Department of Pediatrics, JCHO Kyushu Hospital, Kitakyushu, Fukuoka, Japan)

Poster Presentation 26

Genetics (Cerebral development)

- P-167 A case of 5q14.3 microdeletion syndrome
Hiroyuki Wakamoto¹, Yuka Suzuki², Mika Kawabe¹, Kenji Kurosawa³
(1. Department of Pediatrics, Ehime Rehabilitation Center for Children, Toon, Japan,
2. Department of Pediatrics, Matsuyama Red Cross Hospital, 3. Department of Genetics,
Kanagawa Children's Medical Center)
- P-168 A woman case with ROR2 compound heterozygous mutations and severe central nervous
symptoms
Keiko Wada¹, Shuji Matsui¹, Keiko Akahoshi¹, Hidehiro Mizusawa², Yuji Takahashi²,
Masayuki Sasaki², Naomichi Matsumoto³
(1. Tokyo Children's Rehabilitation Hospital, Tokyo, Japan, 2. National Center Hospital
of Neurology and Psychiatry, Tokyo, Japan, 3. Yokohama city university Department of
human genetics, Kanagawa, Japan)
- P-169 A boy with macrocephaly, motor developmental delay, abnormal white matter signal and PTEN
mutation
Yurika Kuroko¹, Kaoru Yamamoto¹, Mina Yokoyama¹, Atsuro Daida¹, Shinsuke

- Hirabayashi¹, Atsushi Manabe¹, Masaaki Ogihara¹, Isao Kusakawa¹, Yoko Aoki², Rika Kosaki³
(1.Pediatrics department, St Luke's International Hospital, Tokyo, Japan, 2.Medical Genetics Department, Tohoku Univeristy, Sendai, Japan, 3.Medical Genetics Department, National Center of Child Health and Development, Tokyo, Japan)
- P-170 Novel biallelic mutations in the PNPT1 gene cause cerebral white matter abnormalities
Ryo Sato¹, Natsuko Ichinoi², Atsuo Kikuchi², Yukimune Okubo¹, Tetsuro Matsushashi², Yurika Uematsu², Mitsugu Uematsu², Yuji Fujii³, Eriko Koshimizu⁴, Satoko Miyatake^{1,4}, Naomichi Matsumoto^{2,4}, Kazuhiro Haginoya¹, Shigeo Kure²
(1.Department of Neurology, Miyagi Children's Hospital, Sendai, Japan, 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 3.Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan, 4.Department of Human Genetics, Yokohama city University Graduate School of Medicine, Yokohama, Japan)
- P-171 A case of PNPLA8 mutation with microcephaly, simplified gyral pattern and progressive brain atrophy
Yukimune Okubo¹, Takuya Miyabayashi¹, Ryo Sato¹, Takehiko Inui¹, Noriko Togashi¹, Kazuhiro Haginoya¹, Eriko Koshimizu², Satoko Miyatake², Naomichi Matsumoto²
(1.Department of Pediatric Neurology, Miyagi Children's Hospital, Miyagi, Japan, 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Kanagawa, Japan)
- P-172 A case of frontal dominant pachygyria by KIF5C dysfunction-a comparative study with other 6 cases-
Atsushi Imamura¹, Naoki Matsuo¹, Emiko Kobayashi¹, Kuniko Tokoro¹, Hidenori Onishi²
(1.Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan, 2.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan)
- P-173 A case of Brain malformation due to TUBB2B gene mutation
Kazuyuki Yotsumata¹, Mayumi Matsufuji², Nozomi Sano²
(1.Kagoshima City Hospital. Pediatrics, 2.Minamikyusyu hospital, Pediatrics)
- P-174 Hepatic multiple focal nodular hyperplasia associated with brain tumor with hemimegalencephaly
Yu Kobayashi¹, Shinichi Magara¹, Takao Komatsubara¹, Moemi Hojo¹, Yumi Nakayama¹, Masafumi Fukuda², Jun Tohyama¹
(1.Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 2.Department of Functional Neurosurgery, Nishi-Niigata Chuo National Hospital)

Poster Presentation 27

Genetics (Cerebellar development)

- P-175 An autopsy case of Arima syndrome: 16 years' experience with Automated Peritoneal Dialysis
Ayaka Koide¹, Keiko Tominaga¹, Keiko Watanabe¹, Jinro Nagata¹, Nobutaka Arai², Masayuki Itoh³, Toru Igari⁴
(1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 2.Laboratory of Neuropathology, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 3.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira Tokyo, 4.Department of Pathology, National Center for Global Health and Medicine, Tokyo, Japan)
- P-176 A case of pontocerebellar hypoplasia type 7 without external genital abnormality
Takafumi Sakakibara¹, Mari Hasegawa¹, Tatsuya Kawaguchi¹, Kazuhiro Iwama², Takeshi Mizuguchi², Naomichi Matsumoto², Midori Shima¹
(1.Department of Pediatrics, Nara Medical University, 2.Department of Human Genetics, Yokohama City University, Graduate School of Medicine)
- P-177 An adult case with mental retardation and microcephaly with pontine and cerebellar hypoplasia
Yosuke Nishio¹, Hiroyuki Kidokoro², Tomohiko Nakata², Shinya Hara¹, Kazuyoshi Watanabe², Jun Natsume²
(1.Department of Pediatrics, TOYOTA Memorial Hospital, Toyota, Japan, 2.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)
- P-178 Different onset of Siblings of children with ABCB7 gene mutation
Satori Hirai¹, Satoshi Mizutani¹, Mika Hirotsune¹, Naomi Okuyama¹, Kaeko Ogura¹,

Yukihiro Kitai¹, Hiroshi Arai¹, Nobuhiko Okamoto²

(1.BOBATH MEMORIAL HOSPITAL, Osaka, Japan, 2.Osaka Women's and Children's Hospital, Osaka, Japan)

- P-179 KBG syndrome is associated with Dandy-Walker variant
Tomoko Mizuno¹, Taisuke Yamauchi¹, Tomonori Suzuki¹, Ayako Kashimada¹, Tsubasa Okano¹, Kousuke Imai¹, Masatoshi Takagi¹, Risa Nomura², Akimitsu Watanabe³
(1.The Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan, 2.The Department of Pediatrics, Kashiwa Municipal Hospital, Chiba, Japan, 3.The Department of Pediatrics, Tsuchiura Kyodo General Hospital, Ibaraki, Tokyo)
- P-180 A case of Joubert syndrome with C5ORF42 mutation
Kohei Haraguchi¹, Tatsuharu Sato¹, Masayuki Itoh², Hiroyuki Moriuchi¹
(1.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan, 2.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry.)

Poster Presentation 28

Genetics (Developmental disorder)

- P-181 Atypical clinical course in two patients with GNB1 gene mutation developing acute encephalopathy
Megumi Tsuji^{1,2}, Hikari Kaba², Tatsuro Kumaki², Ayako Yamamoto², Azusa Ikeda², Yu Tsuyusaki², Kazushi Ichikawa³, Mizue Iai^{1,2}, Sumimasa Yamashita², Tomohide Goto²
(1.Institution for Children with Profound Multiple Disabilities, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 3.Department of Pediatrics, Fujisawa City Hospital)
- P-182 Two boys with epilepsy and autistic spectrum disorder; SZT2 mutation and CHD2 mutation.
Atsushi Arai¹, Akira Kumakura¹, Mai Yoshida¹, Rie Ishimine¹, Kouta Sasaki¹, Toshiyuki Yamamoto², Nobuhiko Okamoto³, Daisuke Hata¹
(1.Department of Pediatrics, Kitano Hospital, Taduke Kofukai Medical Research Institute, 2.Institute of Medical Genetics, Tokyo Women's Medical University, 3.Institute of Pediatric Genetics, Osaka Women's and Children's Hospital)
- P-183 A case of GRIA3 gene mutation
Toshiyuki Maeda, Fumio Ichinose, Muneaki Matsuo (Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)
- P-184 A family of psychomotor delay and developmental disorder boy with NRXN1 mutation
Yukiko Osawa, Toshimasa Obonai, Makoto Fukushima (Department of Pediatrics, Tama-Hokubu Medical Center, Tokyo, Japan)
- P-185 A male case of Rett syndrome with somatic mosaicism of MECP2 mutation
Hisako Hayashi¹, Asami Kumano¹, Akio Fujine¹, Akemi Tsuda¹, Satoru Takahashi²
(1.Fukui Prefectural Rehabilitation Center for Children with Disabilities, 2.Department of Pediatrics, Asahikawa Medical University)
- P-186 A male case of classic Rett syndrome with mosaic mutation in exon1 of MECP2
Ryo Takeguchi¹, Mami Kuroda¹, Ryousuke Tanaka¹, Nao Suzuki¹, Satoru Takahashi¹, Yuko Tomonoh², Yukiko Ihara², Nobuyoshi Sugiyama³, Masayuki Itoh⁴
(1.Department of Pediatrics, Asahikawa Medical University, Hokkaido, Japan, 2.Department of Pediatrics, Fukuoka University, Fukuoka, Japan, 3.Department of Pediatrics, Tokai University, Kanagawa, Japan, 4.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-187 A case of Rett-like phenotype male with novel CACNA1D mutation
Akiko Yamamoto¹, Yu-Ji Iwasaki¹, Makiko Kaga¹, Yu-Ichi Goto², Kazuhiro Iwama³, Naomichi Matsumoto³
(1.Tokyo Metropolitan Tobu Medical Center for persons with Developmental Multiple Disabilities, 2.Department of Genome Medicine Development, Medical Genome Center (MGC), National Institute of Neuroscience, National Center of Neurology and Psychiatry, 3.Department of Human Genetics, Graduate School of Medicine, Yokohama)
- P-188 A case of CAKUTHEP caused by PBX1 mutation
Akiko Kasuga¹, Shinji Suzuki¹, Mai Yamada¹, Kanako Kanou¹, Tomoko Takamatsu¹, Mika Takeshita¹, Natsumi Morishita¹, Shinichiro Morichi¹, Yu Ishida¹, Shingo Oana^{1,2}, Gaku

Yamanaka¹, Yasuyo Kashiwagi¹, Hironao Numabe^{1,3}, Hisashi Kawashima^{1,3}
(1.The Department of Pediatrics, Tokyo Medical University, Tokyo, Japan, 2.The Department of Pediatrics, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan, 3.Clinical Genetics Center, Tokyo Medical University, Tokyo, Japan)

- P-189 An autopsy case of ATR-X syndrome in the aged
Keiko Watanabe¹, Ayaka Koide¹, Jinro Nagata¹, Naoyuki Tanuma¹, Kenji Kurosawa², Takahito Wada³, Nobutaka Arai⁴, Touru Igari⁵
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- P-190 Helsmoortel-Van der Aa syndrome with ASD, dysmorphism and premature tooth eruption:A Case Report
Tomoyo Yamashita¹, Tamami Wakahara¹, Tatsuo Koide¹, Yuko Tanaka¹, Nobuhiko Okamoto², Toshiki Takeuchi³, Tomoko Uehara³, Hisato Suzuki³, Kenjirou Kosaki³, Toshinori Nishigaki¹
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Poster Presentation 29

Congenital anomaly

- P-191 Currarino syndrome in neonate revealed by pneumocephalus
Yoshimichi Hirayama (Department of Pediatrics Naha city hospital, Okinawa, Japan)
- P-192 A male with Septo-optic dysplasia, appeared hypostature during treatment of epilepsy
Masahiro Ito¹, Ryutarō Yamada², Hisamitsu Tamaki²
(1.Tokyo Metropolitan Medical Fuchu Center for Disabled, Tokyo, Japan, 2.Tokyo Metropolitan Bokuto Hospital, Tokyo, Japan)
- P-193 Improvement of motor function with specific orthoses in a case of hypermobile Ehlers-Danlos syndrome
Sui Sone¹, Tetsuo Kanno¹, Katsuhito Araki¹, Ryuichi Ueno², Takuya Osada², Yosuke Nakai³, Yoshiyuki Shimizu¹, Toyoaki Tanaka¹, Osamu Yanase¹
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- P-194 Two families of HDR syndrome
Yoshimi Watanabe, Taku Omata, Hiromi Aoyama, Kazuo Kodama (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

Poster Presentation 30

Epilepsy (Treatment)

- P-195 The effect of Lacosamide for children with severe motor and intellectual disabilities
Haruka Ohguro¹, Tomohiro Nakayama^{1,2}, Junko Nakayama¹, Naoko Nakayama², Kayo Tokeji¹, Hiroshi Maruyama², Nobuaki Iwasaki¹
(1.Ibaraki Prefectural University of Health Sciences Hospital, Ami, Japan, 2.Matudo Clinic, Matudo, Japan)
- P-196 Lacosamide therapy for epilepsy in our clinic
Yuri Nagao, Kazue Kimura, Michio Fukumizu, Masaharu Hayashi, Kyoko Hoshino (Segawa Memorial Neurological Clinic for Children, Tokyo, Japan)
- P-197 A case of Lennox syndrome with forced normalization following use of lacosamide
Yoko Ono, Kazuhiro Muramatsu, Masahide Goto, Naohiro Ikeda, Mari Kuwajima, Jin Kosaka, Takanori Yamagata (Jichi Medical University, Shimotsuke, Japan)
- P-198 A case of TSC that combination ACTH and VGB were effective for intractable epileptic spasms.
Chinami Kaiga¹, Mariko Ikegami^{1,3}, Nobuyoshi Sugiyama², Tokito Yamaguchi⁴

- (1.Tokai University Hachioji Hospital,Tokyo,Japan, 2.Department of Pediatrics,University of Tokai,Kanagawa,Japan, 3.Kocco children's clinic,Kanagawa,Japan, 4.Shizuoka Institute of Epilepsy and Neurological Disorders,Shizuoka,Japan)
- P-199 A case of tuberous sclerosis complex treated with vigabatrin to prevent infantile spasms
Yoshinori Kobayashi, Satoru Tsuruta (Department of Pediatrics, Kobe City Medical Center General Hospital, Hyogo, Japan)
- P-200 Clinical features of seizure relapse after ACTH therapy in West syndrome
Aiko Nishikawa, Susumu Ito, Yui Otani, Satoru Nagata (Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- P-201 Relationship between hypothyroidism and therapeutic effect in ACTH therapy
Kazuo Kodama¹, Taku Omata¹, Yoshimi Watanabe¹, Hiromi Aoyama¹
(Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)
- P-202 Four cases of ACTH-induced seizures
Naoko Taniguchi, Aiko Nishikawa, Susumu Ito, Satoru Nagata (Department of Pediatric, Tokyo Women's Medical University, Tokyo, Japan)
- P-203 Reduced immunoglobulin levels in epileptic patients treated with zonisamide
Takamasa Kishi (Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan)
- P-204 The effect of AEDs on plasma Hcy and serum B-vitamins concentration in Japan
Akiko Nagae, Nozomi Oda, Kumiko Yamashita, Takanori Omae, Yasuyuki Fujita, Masao Kumode (Biwakogakuen Kusatsu Medical and Welfare Center for Disabilities)
- P-205 Cranberry juice may affect pharmacokinetics of phenytoin
Michiko Inoue¹, Harumi Yoshinaga¹, Atsue Ubuga², Hidetsugu Mizuguchi², Shota Ono³, Shunsaku Kaji³
(1.Department of Child Neurology,Minami-Okayama Medical Center, National Hospital Organization ,Okayama,Japan, 2.Department of Pediatrics,Minami-Okayama Medical Center, National Hospital Organization ,Okayama,Japan, 3.Department of Pediatrics,Tsuyama Central Hospital,Okayama,Japan)
- P-206 The risk factors for somnolence in patients treated with levetiracetam.
Hideki Shimomura, Kyoko Minagawa, Junji Mine, Tomoko Lee, Chikako Mure, Sachi Tokunaga, Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan)
- P-207 Clinical feature and therapeutic strategy to rarely repeated status epilepticus
Hideki Hoshino, Marie Nakai, Masakazu Mimaki (Department of Pediatrics , Teikyo University, Tokyo,Japan)
- P-208 Can breast milk from a mother on MCT diet induce ketosis in her breastfed infant?
Kenji Inoue, Tomohiro Kumada, Minoru Shibata, Fumihito Nozaki, Anri Hayashi, Mioko Mori, Saeko Sasaki, Atsushi Mori (Shiga Medical Center for Children, Shiga, Japan)
- P-209 A retrospective analysis of 31 patients with epilepsy after antiepileptic drug withdrawal
Miki Inutsuka (Department of Pediatrics, Sasebo Chuo Hospital, Sasebo, Japan)
- P-210 Efficacy of phenobarbital for benign convulsions with mild gastroenteritis
Yuichi Takami, Ayako Fujiwara, Chie Sakata, Taku Nakagawa (Japanese Red Cross Society Himeji Hospital)
- P-211 4 cases of focal epilepsy was improved EEG by substitution from CBZ to LEV
Shigehiro Nagai, Wataru Jinnai, Tomohiro Fujii, Yumi Dohi, Tomoko Kirino (Department of Child Neurology, Shikoku Medical Center for Children and Adults, Kagawa, Japan)

Poster Presentation 31

Epilepsy (Surgical treatment)

- P-212 Two cases of status epilepticus occurred during vagus nerve stimulation
Atsuko Kanagawa, Tomoshi Nakajiri, Sora Okita, Atsushi Nishiyama, Yoshinobu Oyazato
(The department of Pediatrics,Kakogawa Central City Hospital,Hyogo,Japan)
- P-213 Two cases of HHE Syndrome with mild malformation of cortical development type 2
Shinji Itamura¹, Tohru Okanishi¹, Shinpei Baba¹, Ayataka Fujimoto², Hideo Enoki¹
(1.Department of Child Neurology, Seirei-Hamamatsu General Hospital, Shizuoka, Japan, 2.Epilepsy Center, Seirei-Hamamatsu General Hospital, Shizuoka, Japan)
- P-214 More than 10-year history pharmaco-resistant MRI negative extra-temporal epilepsy
Takeshi Inoue¹, Hisashi Kawawaki^{1,2}, Shizuka Nagase^{1,2}, Naohiro Yamamoto^{1,2}, Megumi

Nukui^{1,2}, Ichiro Kuki^{1,2}, Shin Okazaki^{1,2}, Yoko Nakanishi^{2,3}, Toshiyuki Kawashima^{2,3}, Noritsugu Kunihiro^{2,3}, Takehiro Uda^{2,3,4}, Yasuhiro Matsusaka^{2,3}, Yasushi Iimura^{5,6}, Hiroshi Otsubo⁶

(1.Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan, 2.Child and Adolescent Epilepsy Center, Osaka City General Hospital, Osaka, Japan, 3.Department of Pediatric Neurosurgery, Osaka City General Hospital, Osaka, Japan, 4.Department of Neurosurgery, Osaka City University Graduate School of Medicine, 5.Department of Neurosurgery, Epilepsy Center, Juntendo University Hospital, Tokyo, Japan, 6.Division of Neurology, The Hospital for Sick Children, Toronto, Canada)

- P-215 Efficacy and adverse reaction of Vagus Nerve Stimulation Therapy for drug resistant epilepsy
Hiroyasu Nakagawa¹, Mondo Kuroda²
(1.Department of Pediatrics, Asanogawa General Hospital, Kanazawa, Japan, 2.Department of Pediatrics, Kanazawa University, Kanazawa, Japan)
- P-216 2 case reports, 10 years after hemispherotomy
Tomoshiro Ito^{1,2}, Kiyoshi Egawa², Hitomi Sano¹, Nobuaki Kawamura¹, Akira Sudo³, Masaki Iwasaki⁴, Hideaki Shiraishi²
(1.Department of Pediatrics, Sapporo city general hospital, Sapporo, Japan, 2.Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan, 3.Nire-no-kai Children's Clinic, 4.Department of neurosurgery, National center hospital, National center of neurology and psychiatry)
- P-217 Efficacy of callosotomy for medically resistant epileptic encephalopathy with CSWS
Shiena Watanabe¹, Eri Takeshita¹, Takashi Saito¹, Kenji Sugai¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Hirohumi Komaki¹, Eiji Nakagawa¹, Masayuki Sasaki¹, Keiya Iijima², Yutaro Takayama², Norihiro Muraoka², Yuiko Kimura², Masaki Iwasaki²
(1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Neurosurgery, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-218 Epilepsy surgery in Hemiconvulsion Hemiplegia Epilepsy syndrome
Masaki Miura¹, Takashi Saitoh¹, Masaki Iwasaki², Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Hirohumi Komaki¹, Eiji Nakagawa¹, Masayuki Sasaki¹
(1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Neurosurgery, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-219 Clinical features and postsurgical outcome of temporal lobe epilepsy in children with focal lesion
Yukimi Oyoshi¹, Takashi Saitou¹, Masaki Iwasaki², Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Hirohumi Komaki¹, Eiji Nakagawa¹, Masayuki Sasaki¹
(1.National Center of Child Neurology, Tokyo, Japan, 2.National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-220 Novel noninvasive strategy for presurgical evaluation in a pediatric case of focal epilepsy
Yuji Ito^{1,2,3}, Hiroyuki Yamamoto^{2,3}, Tohru Okanishi⁴, Satoshi Maesawa³, Yuki Maki^{2,3}, Masaharu Tanaka^{2,3}, Yoko Sakaguchi^{2,3}, Yu Okai^{2,3}, Tomohiko Nakata^{2,3}, Hiroyuki Kidokoro^{2,3}, Jun Natsume^{2,3}
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Poster Presentation 32

Epilepsy (Case reports)

- P-221 Transition of seizure type in severe motor and intellectual disabilities after West syndrome
Nozomi Oda, Masao Kumode, Takanori Omae, Kumiko Yamashita, Akiko Nagae, Yasuyuki Fujita (Biwakogakuen Kusatsu Medical and Welfare Center for disabilities)
- P-222 Seizure free period and developmental outcome in epilepsy of infancy with migrating focal seizures
Toshihiro Nomura¹, Yuuko Motohashi¹, Akihiko Ishiyama¹, Eri Takeshita¹, Takashi Saito¹, Hirofumi Komaki¹, Eiji Nakagawa¹, Kenji Sugai¹, Hirofumi Saito², Atsushi Fujita³, Naomichi Matsumoto³, Atsushi Ishii⁴, Shinichi Hirose⁴, Masayuki Sasaki¹

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- P-223 Three cases of atypical childhood epilepsy with centrotemporal spikes
Hirofumi Kashii¹, Masakazu Mimaki^{1,2}, Nobutaka Shimizu¹
(1.Department of Pediatrics, Yaizu City Hospital, Shizuoka, Japan, 2.Department of Pediatrics, Teikyo University, School of Medicine, Tokyo, Japan)
- P-224 Focal cortical dysplasia with focal onset impaired awareness seizure accompanied by urticaria.
Yoji Ikuta, Mari Asakura, Daichi Suzuki, Satoka Akiyama, Kenta Hayashi, Takahiro Kawaguchi, Kunihiro Oba, Tomoko Sumita, Tatsuo Katori (Department of Pediatrics, Showa General Hospital, Tokyo, Japan)
- P-225 A case of post-encephalitic epilepsy with various seizure types induced by carbamazepine
Takenori Natsume¹, Makoto Nishioka¹, Toshimitsu Yanagisawa¹, Mitsuo Motobayashi³, Tetsuhiro Fukuyama^{1,2}
(1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan, 2.Department of Neonatology and Developmental Medicine, Shinshu University School of Medicine, Matsumoto, Japan, 3.Department of Neurology, Nagano Children's Hospital, Azumino, Japan)
- P-226 2 cases of West Syndrome with ocular abnormality sustaining until clinical remission
Wataru Jinnai¹, Shigehiro Nagai¹, Masahiro Umeda², Atsumi Takechi², Tomohiro Fujii¹, Yumi Dohi¹, Tomoko Kirino¹
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Poster Presentation 33

Epilepsy (Child development / Transition)

- P-227 Transition for epilepsy patients to adult medical care:The current situation and problems
Anzu Noda, Akiko Koyama, Yuki Koshino (Department of Pediatrics, Saitama Citizens Medical Center, Saitama, Japan)
- P-228 Attention deficit hyperactive disorders in epileptic children
Mariko Maezawa¹, Youichi Doumoto², Kouichi Tamada², Tetsuro Yamamoto²
(1.Tsurumi University, Department of Dental Hygiene, Yokohama, Japan, 2.Ise keiyu Hospital, Mie, Japan)
- P-229 Quality of Life in children with epilepsy and developmental disorder assessed by J-KIDSCREEN-52
Yasuko Furuichi¹, Takafumi Sakakibara^{2,4}, Satoko Nezu³, Norio Kurumatani³, Toru Hoshida⁴, Naoki Miki⁵, Toshiaki Doi⁶, Mariko Seki¹, Seiji Kinoshita¹, Midori Shima²
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Poster Presentation 34

Electrophysiology

- P-230 Magnetoencephalography sometimes shows lateralized rhythmic activity in focal epilepsy
Yuki Ueda, Midori Nakajima, Kiyoshi Egawa, Shinobu Kohsaka, Hideaki Shiraiishi (Department of Pediatrics, Hokkaido University Graduate School of Medicine)
- P-231 The implication of Posner paradigm for visuospatial attention: an event-related potential study
Masafumi Sanefuji^{1,2}, Yoshiyuki Shiotsuka³, Hiroshi Yamashita⁴, Yuri Sonoda^{1,2}, Yoshito Ishizaki², Yasunari Sakai², Keiko Yoshida^{4,5}, Keiji Iramina³, Shouichi Ohga²
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University, Fukuoka, Japan, 4.Department of Child Psychiatry, Kyushu University Hospital, Fukuoka, Japan, 5.Mental Clinic, Airisu, Fukuoka, Japan)

- P-232 Decreased wave V amplitude in auditory brainstem responses of children with cerebellar lesions
Yuka Matsuura¹, Masayoshi Oguri¹, Yoshiaki Saito², Shota Akiyama¹, Yoshihiro Maegaki²
(1.Department of Pathobiological Science and Technology, School of Health Science, Tottori University Faculty of Medicine, Yonago, Japan, 2.Neurology, Department of Brain and Neurological Sciences, Tottori University Faculty of Medicine, Yonago, Japan)

Poster Presentation 35

ADHD

- P-233 The analysis of report card of schoolchildren having ADHD treatment
Nobuko Sugiura¹, Maki Ohsawa², Yuri Ozawa², Chika Kono², Yukiko Nakamura², Syota Mitsuhashi^{3,4}, Yosuke Kita³, Hiroshi Ozawa²
(1.Shimada Ryoiku Center Hachioji, Tokyo, Japan, 2.Shimada Ryoiku Center Hachioji, Tokyo, Japan, 3.National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.Graduate School of Education, Tokyo Gakugei University, Tokyo, Japan)
- P-234 Effectiveness of Atomoxetine for children of ADHD with enuresis
Ayuko Igarashi^{1,2}, Shinpei Abe¹, Mitsuru Ikeno¹, Toshiaki Shimizu¹
(1.Department of pediatrics, Juntendo University, Tokyo, Japan, 2.Department of pediatrics, Tokyo rinkai hospital, Tokyo, Japan)
- P-235 Attempt of combination therapy of methylphenidate and atomoxetine for ADHD
Mitsuhiro Matsuo, Kazunori Motoyama, Tamao Nagaoka, Mutsuko Miyazaki, Daishi Inoue, Kaoru Moriyama (Nagasaki Prefectural Children's Medical Welfare Center, Japan)
- P-236 Efficacy of guanfacine for aggressive symptoms coexisting with ADHD
Masao Kawatani^{1,3,4}, Takuya Kosaka^{1,3}, Genrei Ohta^{1,4}, Hiroshi Kometani², Akemi Tomoda³, Michio Hiratani⁴, Yusei Ohshima¹
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- P-237 Efficacy of guanfacine in ADHD for insufficient atomoxetine or methylphenidate effectiveness.
Kaoru Moriyama, Mitsuhiro Matsuo, Kazunori Motoyama, Tamao Nagaoka, Mutsuko Miyazaki, Daishi Inoue (Nagasaki Prefectural Children's Medical Welfare Center, Japan)
- P-238 Clinical evaluation of guanfacine extended release for the patients in our hospital
Fumitaka Kouno¹, Takashi Ichiyama¹, Naoko Ishikawa^{1,2}, Hironori Matsufuji¹, Hiroshi Isumi¹, Yoko Sugio^{1,3}, Yositsugu Sugio¹
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Poster Presentation 36

Developmental disorder (Support)

- P-239 Consultation and support for Neurodevelopmental disorders at children's clinic
Manami Honda, Haruka Okada, Yuki Maruyama (Micri Kids Clinic, Tokyo, Japan)
- P-240 Outside activity of pediatricians for regional developmental disorders children
Hiroshi Katsumori (Department of Pediatrics, Kawakita General Hospital, Tokyo, Japan)
- P-241 The study of group rehabilitation evaluation for developmental disabilities.
Mutsuki Shioda^{1,2}, Kyoko Hirasawa²
(1.Department of Pediatric neurology, Fuji Toranomon Orthopedic Hospital, Gotenba, Japan, 2.Department of pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- P-242 Young teachers' awareness of developmental disorders and their expectations for specialist doctors
Kosuke Nakano (Department of Special Education, Faculty of Education, Ehime University, Matsuyama, Japan 790-8577)
- P-243 The spread of Parent Program in Fukui prefecture

Asami Kumano, Hisako Hyashi, Akio Fujine, Akemi Tsuda (Fukui Prefectural Rehabilitation Center For Children With Disabilities, Fukui, Japan)

- P-244 Relation between social development and gazing behavior by intervention to children with autism

Toko Mori¹, Toshisaburo Nagai²

(1.The Department of Human Nursing, Sonoda Women University, Hyogo, Japan, 2.The Department of Education, Momoyama Gakuin University of Education, Osaka, Japan)

Poster Presentation 37

Muscular disease

- P-245 Clinical background of females with non-familial hyper CKemia

Tomoko Lee¹, Sachi Tokunaga¹, Chikako Mure¹, Maiko Misaki¹, Hideki Shimomura¹, Ichizo Nishino², Kyoko Ito³, Yasuhiro Takeshima¹

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- P-246 The brothers of dystrophinopathy born from same mother show different genetic abnormalities

Yosuke Hosokawa, Sumire Kumai, Chikako Ogawa, Naoko Kurahashi, Keitaro Yamada, Koichi Maruyama (Aichi Developmental Disability Center, Kasugai, Japan)

- P-247 A case of infection-induced rhabdomyolysis diagnosed as a carrier of Duchenne muscular dystrophy

Hirokazu Takeuchi, Atsuko Oba, Yasuyuki Wada (The Jikei University School of Medicine Department of Pediatrics)

- P-248 Respiratory symptoms of neonatal, early and late infantile onset congenital myasthenic syndrome

Haruna Yokoyama¹, Akihiko Ishiyama¹, Yuko Motohashi¹, Eri Takeshita¹, Takashi Saitoh¹, Eiji Nakagawa¹, Hirohumi Komaki¹, Yasushi Ohya², Ichizo Nishino³, Kinji Ono⁴, Masayuki Sasaki¹

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- P-249 A case of PRKAG2 mutations repeating rhabdomyolysis

Tamami Yano, Hiroki Kubota, Tsutomu Takahashi (Department of Pediatrics, Akita University Graduate School of Medicine, Japan)

- P-250 A case of subcutaneous immunoglobulin to congenital myotonic dystrophy with hypogammaglobulinemia

Genrei Ohta¹, Takuya Kosaka¹, Hiroshi Kometani², Masao Kawatani¹, Yusei Ohshima¹

(1.Department of Pediatrics, University of Fukui, Fukui, Japan, 2.Department of Pediatrics, Houju Memorial Hospital, Ishikawa, Japan)

- P-251 A case of centronuclear myopathy with tongue fasciculation

Nanako Nishiguchi¹, Kaoru Moriyama¹, Kohei Haraguchi¹, Tatsuharu Sato¹, Hiroyuki Moriuchi¹, Michio Inoue², Mariko Okubo², Ichizo Nishino²

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- P-252 myotubular myopathy infant of fatal hepatic hemorrhage by rapidly progressive peliosis hepatitis

Ayako Yamamoto^{1,2,3}, Hikari Kaba¹, Tatro Kumaki¹, Azusa Ikeda¹, Yu Tsuyusaki¹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Tomohide Goto¹, Yukichi Tanaka², Mio Tanaka², Kenji Kurosawa³

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Poster Presentation 38

Acute encephalopathy (Status epilepticus type)

- P-253 Two cases of acute encephalopathy with partial seizure clustering since acute phase treated by bzp
Syuji Hashimoto^{1,2}, Taichi Imaizumi², Kanako Takeda^{2,3}, Syoutarou Kaku^{1,2}, Hisako Yamamoto^{2,3}, Natsuko Arai², Yuusaku Miyamoto^{2,3}, Noriko Udagawa², Hitoshi Yamamoto²
(1.St. Marianna University School of Medicine, Yokohama City Seibu Hospital, Kanagawa, Japan, 2.St. Marianna university School of Medicine, Kanagawa, Japan, 3.Kawasaki Municipal Tama Hospita, Kanagawa, Japan)
- P-254 A case of 3-year-old boy compatible with the diagnosis of AERRPS
Tsunehiko Kurokami¹, Ayumi Nishimura¹, Yumi Mutou¹, Maki Gau², Tomoyuki Kiguchi¹, Yuichi Miyakawa¹, Shohei Ariji¹, Dai Kuranobu³, Reiko Takasawa¹, Masato Nishioka¹, Tatsuya Yokoyama¹, Naoto Hirayanagi¹, Masayuki Shimohira¹
(1.Department of Pediatrics, Kawaguchi Municipal Medical Center, Kawaguchi, Japan, 2.Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan, 3.Department of Pediatrics, Tokyo-Kita Medical Center, Tokyo, Japan)
- P-255 Intravenous ketogenic diet therapy for the acute stage of AERRPS.
Eri Ogawa¹, Shuhei Fujino¹, Yoshikazu Kitami¹, Sayaka Oota¹, Hiromi Suzuki¹, Sunao Tomita¹, Naoki Shimizu², Sahoko Miyama¹
(1.Tokyo Metropolitan Children's Medical Center, Department of Pediatric Neurology, Tokyo, Japan, 2.Tokyo Metropolitan Children's Medical Center, Department of Pediatric Intensive care unit, Tokyo, Japan)
- P-256 Three cases of acute encephalitis with refractory, repetitive partial seizures
Yasuhiro Kimoto¹, Elina Taniguchi¹, Naoki Karasawa², Akihiko Nakahara², Toshio Ikeda¹, Hiroshi Moritake¹
(1.The Department of Pediatrics, School of Medicine, University of Miyazaki, Miyazaki, Japan, 2.The Department of Pediatrics, National Hospital Organization Miyazaki Hospital, Miyazaki, Japan)
- P-257 Comparison of clinical courses between two children with AERRPS treated by ketogenic diet
Mitsuo Motobayashi¹, Shoko Yamauchi¹, Kana Atsumi¹, Shihoko Takeuchi¹, Hideko Nakajima¹, Kiminori Sato², Norimasa Kurosaka², Yuka Misawa³, Masatomo Kitamura², Yuji Inaba¹
(1.Department of Neurology, Nagano Children's Hospital, Azumino, Nagano, Japan, 2.Department of Pediatric Intensive Care, Nagano Children's Hospital, Azumino, Nagano, Japan, 3.Department of Rehabilitation, Nagano Children's Hospital, Azumino, Nagano, Japan)
- P-258 Administration of vitamin cocktail drugs to cases with potential for acute encephalopathy
Taku Omata, Yoshimi Watanabe, Kazuo Kodama, Hiromi Aoyama (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

Poster Presentation 39

MOG antibody-related disease

- P-259 Parametric analysis of anti-MOG autoantibody.
Kuniko Kohyama¹, Takako Matsuoka¹, Asako Horino¹, Hiroya Nishida^{1,2}, Hiroshi Sakuma¹
(1.Developmental Neurology Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 2.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- P-260 Monthly IVIg prevent any relapse of anti-MOG antibody-related demyelinating disease: a case report.
Go Takei^{1,2}, Yuichi Abe¹, Michiko Kawai¹, Nahoko Ueda¹, Ryosuke Urabe¹, Itaru Hayakawa¹, Sato Suzuki¹, Masaya Kubota¹
(1.Department of Neurology, National Center of Child Health and Development, Tokyo, Japan, 2.Lysosomal Storage Disease Center, Department of Clinical Laboratory Medicine, National Center of Child Health and Development, Tokyo, Japan)
- P-261 Acute encephalitis with seizure, hemiplegia and rapidly progressive brain lesion with MOG antibody

- Kenji Uematsu¹, Hiroshi Matsumoto¹, Yuki Tsujita¹, Yasuko Nakamura¹, Shigeaki Nonoyama¹, Hideo Osada², Toshiyuki Takahashi³
(1.The Department of Pediatrics, National Defense Medical College, Saitama, Japan, 2.The Department of Neurosurgery, National Defense Medical College, Saitama, Japan, 3.The Department of neurology, Tohoku University, Miyagi, Japan)
- P-262 Two patients of MOGAb positive ADEM, suspected for association of Chlamydial infection
Kohji Azumagawa¹, Shohei Nomura², Kimihiko Kaneko³, Ichiro Nakshima⁴, Hiroshi Tamai⁵
(1.Department of Pediatrics, Seikeikai Hospital, Osaka, Japan, 2.Department of Pediatrics, Hirakata Municipal Hospital, Osaka, Japan, 3.Department of Neurology, Tohoku University School of Medicine, Sendai, Japan, 4.Department of Neurology, Tohoku Medical and Pharmaceutical University, Sendai, Japan, 5.Department of Pediatrics, Osaka Medical College, Osaka, Japan)
- P-263 A case of anti-MOG antibody positive acute encephalitis localized on the cingulate gyrus
Kaori Aiba¹, Hajime Sakuma¹, Mari Sugimoto¹, Norihisa Koyama¹, Kenji Yokochi^{1,2}, Kimihiko Kaneko^{3,4}, Toshiyuki Takahashi^{3,5}
(1.Department of Pediatrics, Toyohashi Municipal Hospital, Toyohashi, Japan, 2.Department of Pediatrics, Seirei Mikatahara General Hospital, Hamamatsu, Japan, 3.Department of Neurology, Tohoku University Graduate School of Medicine, Sendai, Japan, 4.Department of Neurology, National Hospital Organization, Miyagi Hospital, Miyagi, Japan, 5.Department of Neurology, National Hospital Organization, Yonezawa Hospital, Yonezawa, Japan)
- P-264 A case of encephalitis with optic neuritis, mimicking MELAS, related to anti-MOG/NMDA-R antibodies.
Tetsuharu Kamioka^{1,2}, Nahoko Ueda¹, Ryosuke Urabe¹, Itaru Hayakawa¹, Michiko Kawai¹, Go Takei¹, Sato Suzuki¹, Hiroshi Terashima^{1,3}, Yuichi Abe¹, Masaya Kubota¹
(1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan, 2.Dep.of Pediatrics, International university of Health and Welfare Atami Hospital, Shizuoka, Japan, 3.Department of Reproductive, Development and Aging Sciences, the Graduate School of Medicine, the University of Tokyo)

Poster Presentation 40

Demyelinating disease / Myelitis

- P-265 A case of plasma exchange in central nervous system demyelinating disorders with optic neuritis
Yutaro Yamauchi¹, Mihoko Mizuno¹, Masami Asai¹, Izumi Tamura¹, Toshiyuki Takahashi², Shiomi Otsuji¹, Ryuji Yasui¹
(1.Department of Pediatrics, Daido Hospital, Nagoya, Japan, 2.Department of Multiple Sclerosis Therapeutics, Tohoku University Graduate School of Medicine, Sendai, Japan)
- P-266 A case of pediatric relapsing-remitting MS resistant to Dimethyl fumarate treated with Natalizumab
Fumiya Yamashita, Kenichi Maeda, Satoshi Akamine, Pin Fee Chong, Ryutaro Kira (The Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- P-267 Long-term prognosis of multiple sclerosis and neuromyelitis optica with a pediatric onset
Takashi Saito¹, Wakiro Sato², Youwei Lin^{2,3}, Manabu Araki^{2,3}, Tomoko Okamoto³, Yuko Motohashi¹, Eiji Nakagawa¹, Masayuki Sasaki², Takashi Yamamura²
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- P-268 Two cases of multiple sclerosis treated with disease modifying drugs.
Yoshitaka Oyama¹, Masamune Sakamoto¹, Yoshihiro Watanabe¹, Saoko Takeshita¹, Kotaro Nakano²
(1.Yokohama City University Medical Center, Yokohama, Kanagawa, Japan, 2.Saiseikai Yokohamashi Tobu Hospital, Yokohama, Kanagawa, Japan)
- P-269 A case with a history of herpes simplex encephalitis suffering from multiple sclerosis
Koki Nikaido, Toshihide Watanabe (Department of Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan)

- P-270 Two cases of acute transverse myelitis.
Norikatsu Hikita, Kenji Fujita, Satoru Sakuma, Toshiyuki Seto, Takashi Hamazaki (The Department of Pediatrics, Osaka City University, Japan)

Poster Presentation 41

Autoimmune disease 1

- P-271 Hashimoto's encephalopathy with consciousness disturbance and muscle weakness in a girl
Yusuke Aoki, Yasuko Kojima, Mahito Atohe, Motomasa Suzuki, Kazuya Itomi (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- P-272 A case report of Sjogren's syndrome with AQP-4 IgG negative neuromyelitis optica spectrum disorders
Yumi Kurokawa¹, Kosuke Kohashi¹, Kazuhiro Suzuki¹, Masato Mori¹, Toshiyuki Takahashi², Ryugo Hiramoto¹
(1.Department of Pediatrics Matsudo City General Hospital, Matsudo, Japan, 2.Department of Neurology, Tohoku University School of Medicine, Sendai, Japan)
- P-273 Early remission induction by methylprednisolone therapy a case of idiopathic abducens nerve palsy
Nobuyoshi Sugiyama¹, Chinami Kaiga^{1,2}, Mariko Ikegami^{1,2}, Shin-Ichi Matsuda¹, Yoshihiro Miyashita¹
(1.The Department of Pediatrics, Tokai University School of Medicine, Kanagawa, Japan, 2.The Department Pediatrics, Tokai University School of Medicine Hachioji Hospital, Tokyo, Japan)
- P-274 A case of Guillain-Barré syndrome with facial diplegia and paresthesia
Wakaba Endo, Yu Abe, Yurika Uematsu, Mitsugu Uematsu, Shigeo Kure (Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan)
- P-275 A case of autoimmune autonomic ganglionopathy with severe orthopedic hypotension.
Kenichi Torii^{1,6}, Masashi Miharū², Momoko Kawazu², Atsuko Amemiya², Eri Suzuki², Kazuki Yamazawa², Hisayo Fujita², Ryutarō Kohira³, Osamu Higuchi⁴, Shunnya Nakane⁵, Osamu Komiyama², Takao Takahashi⁶
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- P-276 Myasthenia gravis with serum AChR antibodies and LRP4 antibodies masquerading motor delay
Takayuki Mori¹, Yu Kakimoto¹, Satoshi Takenaka¹, Konomi Shimoda¹, Atsushi Sato¹, Akira Oka¹, Masashi Mizuguchi², Osamu Higuchi³
(1.Department of Pediatrics, the University of Tokyo, Tokyo, Japan, 2.School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, 3.National Hospital Organization Nagasaki Kawatana Medical Center, Nagasaki, Japan)
- P-277 A case of CLIPPERS syndrome successfully treated with azathioprine
Eri Koshino, Iku Ikeno, Ayano Yokoi, Hiroyasu Nakagawa, Akiko Mizukami, Rie Kuroda, Yusuke Mitani, Mondo Kuroda, Akihiro Yachie (Department of Pediatrics, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Ishikawa, Japan)
- P-278 A case of developmental regression associated with anti-GluD2 antibody
Yoshinobu Oyazato¹, Shizuka Nagase^{1,2}, Yukitoshi Takahashi³, Atsuko Kanagawa¹, Tomoshi Nakajiri¹, Sora Okita¹, Atsushi Nishiyama¹
(1.The Department of Pediatrics, Kakogawa Central City Hospital, Hyogo, Japan, 2.Osaka City General Hospital, Pediatric Neurology, Child and Adolescent Epilepsy Center, Osaka, Japan, 3.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)
- P-279 Recurrent N-methyl-d-aspartate receptor encephalitis soon after a good response to first therapy.
Masamune Sakamoto, Saoko Takeshita, Yoshihiro Watanabe, Yoshitaka Oyama (Yokohama city university medical center, Kanagawa, Japan)
- P-280 A case of opsoclonus-myoclonus syndrome with neuroblastoma
Kimiaki Uetake (Obihiro Kosei General Hospital, Obihiro, Japan)

Poster Presentation 42

Infection

- P-281 A case of Sphenoid Sinusitis with photophobia, headache and fever
Yuki Inami, Kazushi Ichikawa (The Children's Medical Center, Fujisawa City Hospital)
- P-282 A case of tuberculosis meningitis with cerebral infarction
Tatsuya Ito, Arisa Asari, Megumi Isizawa, Tatsuya Yamamoto, Etsuro Ito (Department of Pediatrics, University of Hirosaki, Hirosaki, Japan)
- P-283 A case of subdural abscess with venous sinus thrombosis secondary to acute sinusitis
Toshiaki Tanaka¹, Daisuke Fuzimori², Masahiko Tanabe¹, Youko Nishimura¹, Yoshirou Saitou¹, Yoshihiro Maegaki¹, Hiroki Yoshioka³, Yousuke Nakamura⁴, Shigeki Nakamoto⁵
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Poster Presentation 43

Metabolism

- P-284 Challenges in dietary therapy in patients with ECHS1 deficiency
Ikuko Shirai¹, Ikuko Shirai^{1,2}, Atsuko Arisaka², Erika Ogawa³, Keiko Ichimoto⁴, Kei Murayama⁴, Mari Kuwajima⁵, Hitoshi Osaka⁵, Yusuke Hamada⁶, Akira Ohtake⁷, Satoko Kumada²
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- P-285 A patient of neonatal onset Leigh syndrome with a novel mutation (m.3955G>A) in the *MT-ND1*
Tatsuro Kumaki¹, Yuko Shinbo², Yu Tsuyusaki¹, Ayako Yamamoto¹, Kenji Sei³, Kazushi Ichikawa⁹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Noriko Aida⁴, Kenji Kurosawa⁶, Kei Murayama⁵, Ichizo Nishino⁷, Yuichi Goto⁸, Tomohide Goto¹
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- P-286 Infantile mitochondrial disease presenting with hemorrhagic subependymal cyst
Yuki Kasuga¹, Erika Ogawa¹, Jun-Ichi Suzuki¹, Mika Ishige¹, Masaru Shimura², Kei Murayama², Akira Ohtake³, Tatsuo Fuchigami¹, Ichiro Morioka¹
(1.Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan, 2.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan, 3.Department of Pediatrics, Saitama Medical University, Saitama, Japan)
- P-287 Intestinal pseudo-obstruction and superior mesenteric artery syndrome in a patient with MELAS
Yoshitaka Mitsui¹, Hitoshi Sato¹, Kaori Taga¹, Reiko Fujisawa¹, Yo Shimizu¹, Shin Toki¹, Yoshitomo Yasui², Chisato Akita¹, Kanju Ikeno¹, Yo Niida³, Yutaka Saikawa¹
(1.Department of Pediatrics, School of Medicine, Kanazawa Medical University, 2.Department Pediatric Surgery, School of Medicine, Kanazawa Medical University, 3.Center for Clinical Genomics, Kanazawa Medical University Hospital)
- P-288 A case of classical Menkes adult patient treated with weekly intravenous copper supplementation
Pin Fee Chong^{1,2}, Reina Ogata¹, Kenichi Maeda¹, Ryoko Nakamura¹, Toru Imagi¹, Fumiya Yamashita¹, Satoshi Akamine¹, Ryutaro Kira¹

- (1.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan,
2.Department of General Pediatrics & Multidisciplinary Medicine, Fukuoka Children's
Hospital, Fukuoka, Japan)
- P-289 A case of Menkes disease with refractory diarrhea and bloody stools
Taiju Hayashi¹, Rei Urushibata¹, Hidetoshi Ishigaki¹, Takuya Hiraide¹, Tomoko
Matsubayashi², Tokiko Fukuda¹
(1.Department of Pediatrics Hamamatsu University School of Medicine, Hamamatsu, Japan,
2.Department of Pediatrics, JA Shizuoka Kohseiren Enshu Hospital, Hamamatsu, Japan)
- P-290 Acute exacerbation in a case of nonketotic hyperglycinemia
Kozue Ohkuma¹, Yohane Miyata¹, Makiko Kanazawa^{1,2}, Miwa Nakagawa¹, Kunimasa Yan¹
(1.The Department of Pediatrics, Kyorin University, Tokyo, Japan, 2.The Department of
Pediatrics, Toyama Prefectural Rehabilitation Hospital and Support Center for Children
with Disabilities, Toyama, Japan)
- P-291 Long-term survival of a case of neonatal nonketotic hyperglycinemia
Kazushi Ichikawa, Yuki Inami, Hitoshi Kitagata, Kaori Kaneko (Department of Pediatrics,
Fujisawa City Hospital, Fujisawa, Japan)
- P-292 Long-term follow-up of a patient with Gaucher disease type 3c
Rika Hiraiwa¹, Aya Narita², Yoshihiro Maegaki², Kaori Adachi³, Eiji Nanba^{4,5}, Kousaku
Ohno⁶
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University, Yonago, Japan, 4.Research Strategy Division, Organization for Research
Initiative and Promotion, Tottori University, Yonago, Japan, 5.Division of Clinical
Genetics, Tottori University Hospital, Yonago, Japan, 6.Sanin Rosai Hospital, Yonago,
Japan)
- P-293 The case of PIGN related inherited GPI deficiency with mitochondrial respiratory-chain
deficiency
Toshino Motojima^{1,2}, Mio Watanabe^{2,3}, Takashi Shiihara³, Yuuichi Suzuki⁴, Kei
Murayama⁵, Hirokazu Arakawa²
(1.The Department of Pediatrics, Motojima General Hospital, Gunma, Japan, 2.The
Department of Pediatrics, Gunma University, Gunma, Japan, 3.The Department of
Neurology, Gunma Children's Medical Center, Japan, 4.The Department of Pediatrics,
Fukushima Medical University, Japan, 5.The Department of Metabolism, Chiba Children's
Hospital)
- P-294 Compound heterozygous mutations in *HSD17B4* cause childhood leukodystrophy.
Akiyo Yamamoto¹, Shinsuke Katou¹, Kentaro Kawamura¹, Shinobu Fukumura¹, Yumi
Habata², Nobuyuki Shimosawa³, Shoko Miyamoto⁴, Mitsuko Nakashima⁴, Hiroto
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of Rehabilitation, Hokkaido Medical Center for child health and rehabilitation, Sapporo,
Japan, 3.Division of Genomic Research, Life Science Research Center, Gifu University,
Gifu, Japan, 4.Biochemistry Department, Hamamatsu University School of Medicine,
Hamamatsu, Japan)
- P-295 A extremely mild case of Molybdenum Cofactor Deficiency
Shizuka Nagase^{1,2}, Megumi Nukui^{1,2}, Naohiro Yamamoto^{1,2}, Takeshi Inoue^{1,2}, Ichiro Kuki^{1,2},
Shin Okazaki^{1,2}, Hiroyuki Miwa³, Kimiyoshi Ichida³, Hisashi Kawawaki^{1,2}
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2.Child and Adolescent Epilepsy Center, Osaka City General Hospital, Osaka, Japan,
3.Department of Pathophysiology, Tokyo University of Pharmacy and Life Sciences, Tokyo,
Japan)
- P-296 11years old boy diagnosed as Fabry disease with plantar pain and facial hypohidrosis
Takuya Miyabayashi¹, Kazuhiro Haginoya¹, Ryo Sato¹, Yukimune Okubo¹, Takehiko Inui¹,
Noriko Togashi¹, Yoshikatsu Eto²
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2.Advanced Clinical Research Center & Asian LSD Center, Institute of Neurological
disorders, Kanagawa, Japan)

Poster Presentation 44

Neurodegenerative disease

- P-297 A case of infantile type dentatorubral-pallidolusian atrophy (DRPLA) diagnosed by MRI findings
Kuniko Tokoro, Miyuki Hoshi, Emiko Kobayashi, Kanami Akaza, Tatsuya Sakashita, Sotaro Yuzawa, Kazuhiro Hirata, Kunihiro Matsunami, Eiji Matsukuma, Kaori Kumazaki, Jun Imamura (Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan)
- P-298 A boy with vanishing white matter disease, presenting seizure, hepatosplenomegaly
Masato Hiyane¹, Tsuyoshi Matsuoka¹, Toshiyuki Yamamoto², Ken Inoue³
(1. Department of child neurology, Okinawa prefectural southern medical center and children medical center, Haebaru town, Japan, 2. Department of genetic medical center, Tokyo Women's medical university, Tokyo, Japan, 3. Department of mental retardation and birth defect research, National center of neurology and psychiatry, Tokyo, Japan)
- P-299 Inflammatory neuropathology of infantile Alexander disease: A case report
Kengo Kora¹, Mariko Shinohara¹, Shu Hamada¹, Minako Ide¹, Takayuki Tanaka², Tomokatsu Yoshida³, Takeo Kato¹
(1. Department of Pediatric neurology, Hyogo Prefectural Amagasaki Medical Center, Hyogo, Japan, 2. Department of Pediatrics, Graduate School of Medicine, Kyoto University, Kyoto, Japan, 3. Department of Neurology, Kyoto Prefectural University of Medicine, Kyoto, Japan)

Poster Presentation 45

Peripheral nerve

- P-300 Muscle US was useful in the diagnosis and treatment of myokymia. A case report of Isaacs syndrome
Hiromi Yamaguchi¹, Atsushi Ishii¹, Yukiko Ihara¹, Hitomi Hayashi¹, Takako Fujita¹, Hiroshi Ideguchi¹, Takahito Inoue¹, Sawa Yasumoto², Shinichi Hirose¹
(1. Department of Pediatrics, Fukuoka University, 2. Fukuoka University Medical Education Center)
- P-301 A case of Guillain-Barre syndrome with fever and neck stiffness
Asami Ito (The Department of Pediatrics, Hiratsuka City Hospital, Kanagawa, Japan)
- P-302 A case of childhood onset multifocal motor neuropathy with GM2 and GalNac-GD1a IgM antibodies
Hiroshi Maeda¹, Ryotaro Ishii², Susumu Kusunoki³, Tomohiro Chiyonobu⁴
(1. Department of Pediatrics, North Medical Center, Kyoto Prefectural University of Medicine, Kyoto, Japan., 2. Department of Pediatrics, North Medical Center, Kyoto Prefectural University of Medicine, Kyoto, Japan., 3. Kindai University Faculty of Medicine, Osaka, Japan, 4. Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- P-303 A case of DYNC1H1 gene mutation with symptoms of Charcot-Marie-Tooth disease and SMA-LED
Mutsumi Sato¹, Saoko Takeshita², Mao Odaka¹, Ayako Yamamoto³, Sumimasa Yamashita³, Tomohide Goto³, Akiko Yoshimura⁴, Akihiro Hashiguchi⁴, Hiroshi Takashima⁴
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- P-304 Ultrasonographic examination for peripheral nerves and nerve roots in children.
Hideaki Mashimo¹, Satoko Kumada¹, Ryo Morishima², Kenji Inoue¹, Hiroya Nishida¹, Atsuko Arisaka¹, Mitsumasa Fukuda¹, Toshio Shimizu²
(1. The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2. The Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- P-305 Peripheral nerve ultrasonography evaluation in a patient with Dejerine-Sottas syndrome.
Rei Urushibata¹, Taiju Hayashi¹, Takuya Hiraide¹, Hidetoshi Ishigaki¹, Tomoko

Matsubayashi¹, Keiko Hirano², Hiroshi Takashima³, Tokiko Fukuda¹
(1.Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan, 2.Department of Pediatrics, Iwata City Hospital, Iwata, Japan, 3.Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences)

- P-306 Some cases of peripheral neuron diseases may be due to Allgrove syndrome.
Keisuke Watanabe¹, Hiroyuki Yamada¹, Tetsuya Okazaki¹, Yoko Nishimura¹, Yoshiaki Saito¹, Yoshihiro Maegaki¹, Masami Togawa²
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Poster Presentation 46

Involuntary movement / Basal ganglia disease

- P-307 Evaluation of the score of YGTSS-J, age and the first medicine in Tourette syndrome
Kyoko Hoshino¹, Yuri Nagao¹, Maki Nozaki¹, Yoshiko Hirano^{1,2}, Michio Fukumizu¹, Kazue Kimura¹, Masaharu Hayashi¹
(1.Segawa Memorial Neurological Clinic for Children, Tokyo, Japan, 2.YOTSUGI Medical Center for the Severely Disabled, Tokyo, Japan)
- P-308 The effect of levetiracetam with Tic syndrome.
Hiroshi Ozawa¹, Kenichiro Tsunematsu²
(1.The Department of Childneuroogy, Shimada Ryoiku Center Hachioji, 2.Department of Pediatris, Hino Municipal Hospital, Tokuo, Japan)
- P-309 A case of intrathecal baclofen to malnutrition by secondary dystonia.
Yuiko Hamada¹, Sadao Nakamura¹, Noriko Nakayama¹, Kazuya Hamada¹, Takuya Kaneshi¹, Noriko Kinjo¹, Yasutsugu Chinen¹, Koichi Nakanishi¹, Takeshi Kamiya², Takeshi Kinjo³, Tsuyoshi Omi⁴, Kunihito Tamashiro⁵
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- P-310 A case of a 13-year-old girl with SLE with positive antiphospholipid antibody presenting hemichorea
Go Yoshino^{1,2}, Masahiko Tanabe¹, Yoko Nishimura¹, Yoshiaki Saitou¹, Yoshihiro Maegaki¹, Kouichi Kitamoto², Susumu Kanzaki²
(1.The Department of Child Neurology, University of Tottori, Tottori, Japan, 2.The Department of Pediatrics, University of Tottori, Tottori, Japan)
- P-311 Clinical experience of postpump chorea
Tsukasa Ohashi (Department of Pediatrics, Niigata University Medical and Dental Hospital)
- P-312 A father's case of ICCA syndrome diagnosed and treated for dauter's benign infantile epilepsy
Daisuke Tajima¹, Kohsuke Tsuji¹, Katsuya Tashiro¹, Satoru Takahashi²
(1.The Department of Pediatrics, Karatsu Red Cross Hospital, Saga, Japan, 2.The Department of Pediatirics, Asahikawa Medical University, Hokkaido, Japan)

Poster Presentation 47

Sleep disorder

- P-313 Efficacy of Yokukansan for Restless Legs Syndrome in Children
Eiji Kurihara (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)
- P-314 Sleep disorders with decreased ferritin levels in the patients of neurological clinic for children
Michio Fukumizu^{1,2}, Kyoko Hoshino¹, Yuri Nagao¹, Kazue Kimura¹, Masaharu Hayashi¹, Ayumi Tsuru², Eiji Nakagawa²
(1.Segawa Memorial Neurological Clinic for Children, Tokyo, Japan, 2.Sleep Disorders Center, National Center of Neurology and Psychiatry)
- P-315 Appropriate time of taking ramelteon and improvement of bed time for neurodevelopmental

disorders

- Takuya Kosaka^{1,2}, Michio Hiratani³, Genrei Ohta^{1,3}, Hiroshi Kometani^{1,4}, Shinichirou Takiguchi^{2,3}, Masao Kawatani^{1,2,3}, Yusei Ohshima¹
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- P-316 2 Cases of Keine-Levin syndrome
Tomoko Uchida¹, Shinya Hattori², Setsuo Ohta³, Ryosuke Suzuki⁴, Tadashi Shiohama¹, Hajime Ikehara¹, Katsunori Fujii¹, Naoki Shimojo¹
(1.Department of Pediatrics, Graduate school of Medicine, Chiba University, 2.Radiological Department of Chiba University Hospital, Chiba, 3.Teikyo University Medical Center, Ichihara-shi Chiba, 4.Chiba rosai Hospital, Ichihara-shi Chiba)
- P-317 A case of Kleine-Levin syndrome followed by influenza type B infection
Takuji Nakamura¹, Muneaki Matsuo²
(1.Department of Pediatrics, National Hospital Organization Ureshino Medical center, Ureshino, Saga, Japan, 2.Department of Pediatrics, Saga University Hospital, Saga, Japan)
- P-318 Polysomnographic analysis of a 13-year-old girl with epileptic seizure and arms rising during sleep
Kumi Kato-Nishimura¹, Nobuko Moriyama²
(1.Ota Memorial Sleep Center, Kanagawa, Japan, 2.Department of Pediatrics, Hitachi,Ltd., Hitachinaka General Hospital, Ibaraki, Japan)
- P-319 A case of LO-CCHS revealed by febrile status epilepticus.
Maki Nodera¹, Yuichi Suzuki¹, Yuichiro Asano¹, Atsushi Ono¹, Kazuhide Suyama¹, Asako Kato¹, Yukihiko Kawasaki¹, Ayako Sasaki², Mitsuaki Hosoya¹
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