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The 56th Annual Meeting of the Japanese Society of Child Neurology

May 28–May 31, 2014

ACT CITY Hamamatsu / Okura Act City Hotel Hamamatsu

PROGRAM

Presidential Lecture

Study of Glycogen metabolism --from muscle to brain

Hideo Sugie (Japan)

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

Special Lecture

(Epi)genetic factors for the development of human imprinting disorders

Tsutomu Ogata (Japan)

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

Invited Lecture 1

How should we diagnose metabolic myopathy?

John Vissing (Denmark)

Neuromuscular Research Unit, Department of Neurology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark

Invited Lecture 2 (Segawa Program)

Tourette Syndrome: Update

Mark Hallett (USA)

Human Motor Control Section, National Institute of Neurological Disorders and Stroke, Bethesda, USA

Keynote Lecture

Muscle pathology makes a close friendship with patients

Ikuya Nonaka (Japan)

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

Special Educational Lecture

Sequence of Synaptogenesis in Developing Human Brain

Harvey B. Sarnat (Canada)

Department of Paediatrics, University of Calgary and Alberta Children's Hospital, Calgary, Alberta, Canada / Department of Pathology (Neuropathology), University of Calgary and Alberta Children's Hospital, Calgary, Alberta, Canada / Department of Clin. Neurosciences, University of Calgary and Alberta Children's Hospital, Calgary, Alberta, Canada

Educational Lecture 1

From DSM-4 to DSM-5: An Overview and A Comment

Hideo Matsumoto (Japan)

Department of Psychiatry, Tokai University School of Medicine, Isehara, Japan

Educational Lecture 2

Update of Peroxisomal diseases- Bridge between Basic Science and Clinical Medicine

Nobuyuki Shimozawa (Japan)

Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

Educational Lecture 3

Basic pathomechanism and novel therapeutic approach for Fukuyama muscular dystrophy

Tatsushi Toda (Japan)

Division of Neurology/Molecular Brain Science, Kobe University Graduate School of Medicine, Kobe, Japan

Educational Lecture 4

Molecular mechanisms and clinical aspects of brain malformations

Mitsuhiro Kato (Japan)

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

Educational Lecture 5

The medicine for persons with severe motor and intellectual disabilities is attractive & rewarding.

Kiyokuni Miura (Japan)

Division of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan

Educational Lecture 6

Genetic analysis for muscle diseases by next generation sequencer

Ichizo Nishino (Japan)

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

Educational Lecture 7

Design and data processing of clinical research that child neurologists should understand

Takashi Kawamura (Japan)

Kyoto University Health Service, Kyoto, Japan

Educational Lecture 8

Ethical and social issues of genetic testing which should be shared with child neurologists

Toshiyuki Yamamoto (Japan)

Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

Symposium 1: Potentials and limitations in iPS cell research on the pathomechanisms of neurological disorders in childhood

Chairs: Shinichi Hirose¹, Hideyuki Okano² (Japan)

¹*Department of Pediatrics & Central Research Institute for the Molecular Pathomechanisms of Epilepsy, Fukuoka, Japan*

²*Department of Physiology, Keio University School of Medicine, Tokyo, Japan*

1. Investigation of pediatric neurological disorders using iPS cells

Hideyuki Okano (Japan)

Department of Physiology, Keio University, Tokyo, Japan

2. Potentials and limitations in Epilepsy Research

Norimichi Higurashi (Japan)

Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan / Central Research Institute for the Pathomechanisms of Epilepsy, Fukuoka University, Fukuoka, Japan

3. Potential and limitation in muscle dystrophy research

Hsi Chang (Taiwan)

Taipei Medical University, Pediatrics, Taipei, Taiwan / Kyoto University, Pediatrics, Kyoto, Japan

4. Potentials and limitations in Leukodystrophy Research

Yuko Numasawa (Japan)

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

5. Potentials and limitations in Autistic Spectrum Disorders Research

Takeo Kubota (Japan)

Department of Epigenetic Medicine, Faculty of Medicine, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Chuo, Japan

Symposium 2: Medical progress in diagnosis and treatment of developmental dyslexia

Chairs: Masumi Inagaki¹, Tatsuya Koeda² (Japan)

¹*Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan*

²*Department of Regional Education, Faculty of Regional Sciences, Tottori University*

1. Overview of the history of research in dyslexia

Makiko Kaga (Japan)

Metropolitan Tobu Ryoiku Center, Tokyo, Japan

2. Clinical diagnosis of developmental dyslexia

Masumi Inagaki (Japan)

Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

3. Brain function in developmental dyslexia

Yosuke Kita (Japan)

Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan / Research Fellow of the Japan Society for the Promotion of Science, Tokyo, Japan

4. Intervention for dyslexia: viewpoints as a child neurologist

Ayumi Seki (Japan)

Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan

5. Problems surrounding Dyslexia: Comorbidities and secondarily emerged adversities

Takashi Hayashi*, Toshiya Yamashita, Kumiko Kido (Japan)

Department of developmental medicine and Centre for Developmental Disabilities Studies, Nishikawa Clinic, Ube, Japan

6. A prospect of research and medical treatment of dyslexia

Tatsuya Koeda (Japan)

Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori Japan / Department of Clinical Research, Tottori Medical Center, Tottori, Japan

Symposium 3: Pathophysiology & treatment of postencephalitic epilepsyChairs: Yukitoshi Takahashi¹, Katsuhiko Kobayashi² (Japan)¹National Epilepsy Center, Shizuoka, Japan²Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences and Okayama University Hospital, Okayama, Japan

1. Immunological pathology

Yukitoshi Takahashi*, Shigeo Nishimura, Emiko Takao, Risa Kasai, Hiromi Hiramatsu (Japan)

National Epilepsy Center, Shizuoka, Japan

2. Clinical course of post-encephalitic epilepsy

Takushi Inoue (Japan)

Department of child neurology, Okayama university medical school, Okayama, Japan

3. Antiepileptic drug treatment of post-encephalitic epilepsy

Shin-Ichiro Hamano*, Kenjiro Kikuchi (Japan)

Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

4. Steroid pulse therapy for post-encephalitic/encephalopathic epilepsy

Tokito Yamaguchi*, Yukitoshi Takahashi, Shinsaku Yoshitomi, Hiroko Ikeda (Japan)

National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan

5. Surgical treatment for intractable epilepsies due to encephalitis/encephalopathy

Kenji Sugai*, Eiji Nakagawa, Masayuki Sasaki, Akio Takahashi, Taisuke Otsuki (Japan)

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

Symposium 4: When does a neurodevelopment disorder occur? Is it congenital, acquired, or both? ~About the mechanism of the occurrence and the pathogenic modification~Chairs: Takeo Kubota¹, Hideoki Fukuoka² (Japan)¹Department of Epigenetic Medicine, Faculty of Medicine, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Chuo, Japan²Comprehensive Research Organization, Waseda University, Tokyo, Japan

1. Factors associated with neurodevelopment disorders—Overview

Kubota Takeo (Japan)

Department of Epigenetic Medicine, Faculty of Medicine, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Chuo, Japan

2. Genetic causes of developmental disorder

Eriko Jimbo*, Mariko Momoi (Japan)

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

3. Influence of environmental factors

Satoshi Sumi (Japan)

Department of Pediatrics, Nagoya City West District Care Center for Disabled Children, Nagoya, Japan

4. Gene-environment interaction

Yoko Sugie (Japan)

Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan / Aoi-cho Children's Clinic, Shizuoka, Japan

5. Perinatal environmental effect for developmental and mental disorders

Hideoki Fukuoka (Japan)

Comprehensive Research Organization, Waseda University, Tokyo, Japan

Symposium 5: Potentially treatable neurological disorders in children: An updateChairs: Nobuyuki Shimozawa¹, Tokiko Fukuda² (Japan)¹Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan²Department of Pediatrics, Hamamatsu university school of medicine, Shizuoka, Japan

1. Tuberous sclerosis complex: CNS symptoms and their treatment

Masashi Mizuguchi (Japan)

Department of Developmental Medical Sciences, the University of Tokyo, Tokyo, Japan

2. Diagnosis and Therapy for Fragile X Syndrome: Update and Review

Eiji Nanba (Japan)

Center for Bioscience and Technology, Tottori University, Yonago, Japan / Center for Promoting Next-generation Highly Advanced Medicine, Tottori University Hospital, Yonago, Japan

3. Adrenoleukodystrophy

Nobuyuki Shimozawa (Japan)

Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

4. Treatment of Pompe disease and autophagy

Tokiko Fukuda (Japan)

The department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan

Symposium 6: Rapidly changing clinical practice of autism spectrum disorder: toward pathophysiology-based diagnosis and managementChairs: Shinji Saitoh¹, Takanori Yamagata² (Japan)¹Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan²Department of Pediatrics, Jichi Medical University, Tochigi, Japan

1. Genomic copy number aberrations can cause autism spectrum disorders

Toshiyuki Yamamoto*, Keiko Shimojima (Japan)

Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

2. Impact of molecular diagnosis using next generation sequencing in autism spectrum disorders

Shinji Saitoh (Japan)

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

3. To establish the common evaluation form for autism spectrum disorder

Takanori Yamagata*, Yukifumi Monden (Japan)

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

4. Pharmacotherapy based on the scientific evidence in ASD

Eiji Nakagawa (Japan)

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

5. Functional analyses of autism-related gene products, A2BP1 and Lin7B.

Koh-Ichi Nagata*, Nanako Hamada, Ayumi Matsumoto, Takanori Yamagata (Japan)

Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan

Theme symposium 1: Current topics in the other Pediatric fields for child neurologistsChairs: Seiji Yamaguchi¹, Hideo Sugie² (Japan)¹Department of Pediatrics, Shimane University School of Medicine, Izumo, Japan²Department of Pediatrics and Jichi Children's Medical Center, Jichi Medical University, Tochigi, Japan

1. Clinical features and pathophysiology of Allan-Herndon-Dudley syndrome

Noriyuki Namba (Japan)

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

2. Encephalopathy associated with fatty acid oxidation and ketone body metabolism

Toshiyuki Fukao*, Tomohiro Hori, Kenji Orii (Japan)

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

3. Developmental disorders in very low birth weight babies

Kyoko Hirasawa (Japan)

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

4. The CNS complications and their basic pathogenesis in Childhood Cancer Survivors

So-Ichi Suenobu*, Tomoko Okamoto, Akio Kiyota, Kensuke Akiyoshi, Tatsuro Izumi (Japan)

Department of Pediatrics and Child Neurology, Oita University Faculty of Medicine, Oita, Japan / Division of General Pediatrics and Emergency Medicine, Oita, Japan

5. Long-term pain and fatigue symptoms after HPV vaccination

Masayuki Sasaki (Japan)

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

Theme symposium 2: Medical care for epilepsy in Shizuoka prefectureChairs: Hidemoto Kubota¹, Satoshi Tsurui² (Japan)¹National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan²Departments of Pediatrics, Seirei Numazu Hospital, Shizuoka, Japan

1. Carry over problems of Childhood onset epilepsy. From the perspective of pediatric hospital.

Seiji Watanabe*, Yoshinori Okumura, Hideo Aiba (Japan)

The Department of Pediatricneurology, Shizuoka Children's Hospital, Shizuoka, Japan

2. Therapeutic aspects in management of carry-over of epilepsy from the viewpoint of pediatrician in district general hospital-

Satoshi Tsurui (Japan)

Departments of Pediatrics, Seirei Numazu Hospital, Shizuoka, Japan

3. An educational program for patients with epilepsy: MOSES (Modular Service Package Epilepsy)

Takuji Nishida (Japan)

National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

4. What we learn from social enlighten actions for epilepsy

Hideo Enoki*, Takamichi Yamamoto (Japan)

Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

5. Trial of local epilepsy network

Hidemoto Kubota (Japan)

National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Debate symposium: Brain hypothermia: Treatment to rescue brain function from acute encephalopathy of childhoodChairs: Masashi Mizuguchi¹, Hideo Yamanouchi² (Japan)¹Department of Developmental Medical Sciences, The University of Tokyo, Tokyo, Japan²Department of Pediatrics, Saitama Medical University, Saitama, Japan

1. The efficacy of Brain Hypothermia for infants with hypoxic ischemic encephalopathy(HIE).

Satoshi Ibara (Japan)

Department of Neonatology, Perinatal Medical Center, Kagoshima City Hospital, Kagoshima, Japan

2. Implementing evidence-based cooling for asphyxiated newborn infants: 3 years after the update of Consensus 2010

Osuke Iwata*, Toshiki Takenouchi, Sachiko Iwata, Makoto Nabetani, Takeo Mukai, Jun Shibasaki, Kennosuke Tsuda (Japan)

Centre for Developmental & Cognitive Neuroscience, Dept of Paediatrics & Child Health, Kurume University School of Medicine, Fukuoka, Japan / Dept of Pediatrics, St. Mary's Hospital, Kurume, Fukuoka, Japan

3. Brain hypothermia therapy for neonatal hypoxic-ischemic encephalopathy with the guideline of CoSTR2010

Masaki Shimizu (Japan)

Division of Neonatology, Saitama Children's Medical Center, Saitama, Japan

4. Future prospects and problems regarding the mild brain hypothermia therapy protocol for children

George Imataka (Japan)

Department of Pediatrics, Dokkyo Medical University School of Medicine, Tochigi, Japan

5. Future tasks and prospects of hypothermia therapy.

Tomohide Goto (Japan)

*Department of Neurology, Kanagawa prefectural Children's Medical Center, Kanagawa, Japan / Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan***Theme seminar 1: Mitochondrial diseases: A reappraisal**Chairs: Yasutoshi Koga¹, Yuichi Goto² (Japan)¹Department of Pediatrics and Child Health, Kurume University Graduate School of Medicine, Kurume, Japan²Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan

1. The treatment of mitochondrial disorders, present and future.

Yasutoshi Koga (Japan)

Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan

2. Progress of basic science on mitochondrial diseases

Yuichi Goto (Japan)

*Department of Mental Retardation and Birth Defect Research, NCNP, Tokyo, Japan***Theme seminar 2: Movement Disorders: Children and Adults**Chairs: Satoko Kumada¹, Yoshikazu Ugawa² (Japan)¹Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan²Department of Neurology, Faculty of Medicine, Fukushima Medical University, Fukushima, Japan

1. Advances in childhood dystonia

Satoko Kumada (Japan)

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

2. Tactics to see involuntary movements based on MDS recommendation

Yoshikazu Ugawa (Japan)

*Department of Neurology, Faculty of Medicine, Fukushima Medical University, Fukushima, Japan***Morning clinical conference: Your diagnosis changes the future of your patients**Chairs: Katsunori Fujii¹, Hitoshi Osaka² (Japan)¹Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan²Department of Pediatrics, Jichi Medical School, Tochigi, Japan

1. A 6-year-old female patient with gait disturbance and ophthalmic manifestations

Takuya Hiraide*, Hidetoshi Ishigaki, Miki Asahina, Tomoko Matsubayashi, Tokiko Fukuda (Japan)

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

2. A three year-old girl presented claudication in the left foot and consequently muscular atrophy

Tomoko Uchida (Japan)

Department of Child Neurology, Chiba Rehabilitation Center, Chiba, Japan

3. A female case of severe intellectual deficit and intractable epilepsy since infancy

Tomoyuki Akiyama (Japan)

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

4. 14 year-old girl with pain and tingling of leg and hip

Yu Tsuyusaki*, Seijirou Aso (Japan)

*The Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan / The Department of Pediatrics, Japanese Red Cross Medical Center, Tokyo, Japan***Morning education seminar 1: Tests for neurodevelopmental assessment in pediatric neurology clinics**

Ayumi Seki (Japan)

*Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan***Morning education seminar 2: Interpretation of the analysis result of Tandem mass spectrometry or gas chromatography mass spectrometry**

Yuki Hasegawa-Omura (Japan)

*Department of Pediatrics, Shimane University School of Medicine, Izumo, Japan***Morning education seminar 3: Pediatric headache: Management guideline for chronic headache 2013**

Naoki Ando (Japan)

*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan***Special box 1: Studying abroad: Share the experiences of "good times bad times"**Chairs: Michio Fukumizu¹, Mitsuhiro Kato² (Japan)¹*Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan*²*Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan*

1. You should study abroad to feel familiar with the world because you only live once.

Kazuhiro Muramatsu (Japan)

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

2. A personal experience in London and North Carolina

Kazutoshi Takahashi (Japan)

Oshima Regional Rehabilitation Center for Children in Need, Hakodate, Japan

3. My studying-abroad experience in the U.S.

Hiroyuki Kidokoro (Japan)

*Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan***Special box 2: How to research in pediatric neurology**Chairs: Yuichi Goto¹, Shinji Saitoh² (Japan)¹*National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan*²*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*

1. Vague relationship between research and a grant: can you carry out research if you have a grant?

Shinji Saitoh (Japan)

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

2. Suggestions for young investigators planning research in pediatric neurology

Yuichi Goto (Japan)

Department of Mental Retardation and Birth Defect Research, NCNP, Tokyo, Japan

3. Research ethics on child neurology

Tomohide Ibuki (Japan)

*Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan***Workshop: Guidelines for management of febrile seizures: public discussions**Chairs: Jun Natsume¹, Shinichiro Hamano² (Japan)¹*Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan*²*Division of Neurology, Saitama Children's Medical Center, Saitama, Japan*

1. Introduction

Hideo Sugie (Japan)

Department of Pediatrics and Jichi Children's Medical Center, Jichi Medical University, Tochigi, Japan

2. Developing of Clinical practice guidelines: Action in the transition of body of evidence form evidence levels

Noriko Kojimahara (Japan)

Department of Public Health, Tokyo Women's Medical University, Tokyo, Japan

3. Clinical guideline for febrile seizures

Jun Natsume (Japan)

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

4. Clinical questions: initial evaluation at emergency room

Takuya Tanabe (Japan)

Department of Pediatric Neurology, Tanabe Children's Clinic, Hirakata, Japan

5. Clinical questions: febrile status epilepticus, EEG

Jun Natsume (Japan)

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

6. Clinical questions: Prophylactic Diazepam Suppository, AEDs, antipyretics and drugs with caution

Masaya Kubota*, Hideaki Kanemura, Masakazu Mimaki (Japan)

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

7. Clinical questions: vaccination, in medical guideline for febrile seizures.

Kuniaki Iyoda (Japan)

Fukuyama Support Center of Development and Care for Children, Fukuyama, Hiroshima, Japan

Joint Seminar 1: Researches supported by Japanese Society of Child Neurology (JSCN)

Meet the Expert: Management of status epilepticus

Chairs: Masayuki Sasaki¹, Ryutaro Kira², Hideo Sugie³(Japan)

¹*The Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan*

²*Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan*

³*Department of Pediatrics and Jichi Children's Medical Center, Jichi Medical University, Tochigi, Japan*

1. Research for inherited glycosylphosphatidylinositol (GPI) deficiency

Yukitoshi Takahashi*, Yoshiko Murakami, Tarou Kinoshita, Itirou Kuki (Japan)

National epilepsy center, Shizuoka, Japan

2. Development of taurine therapy against stroke-like episodes in a mitochondrial encephalomyopathy, MELAS

Yuichi Goto*, Yoshihide Sunada, Shigeo Ohta (Japan)

Department of Mental Retardation and Birth Defect Research, NCNP, Tokyo, Japan / National Center Hospital, NCNP, Tokyo, Japan / Translational Medical Center, NCNP, Tokyo, Japan

3. Therapy of low dose levodopa in developmental disorders in Japan;a preliminary questionnaire survey

Kyoko Hoshino*, Hiroaki Yasuhara, Asayo Ishizaki, Kazue Kimura, Masaya Kubota, Atsuo Nezu, Masaharu Hayashi (Japan)

The Department of Pediatrics, Minami Wakayama Medical Center, Wakayama, Japan

4. Management of status epilepticus in childhood

Satoshi Tsuji*, Masaya Kubota, Hirofumi Kashii (Japan)

Division of Emergency Medicine and Transport Services, National Center for Child Health and Development, Tokyo, Japan

5. Actual treatment of status epilepticus in adult neurology

Hiroshi Shigeto (Japan)

Department of Neurology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

6. Changes in the treatment of status epilepticus by IV form of phenobarbital and fosphenytoin

Kenji Sugai (Japan)

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

Joint Seminar 2: Researches supported by Japanese Society of Child Neurology (JSCN): Direction of Japanese Society of Child Neurology: Present Status and Future 10 Years

Chairs: Kousaku Ohno¹, Toyojiro Matsuishi²(Japan)

¹*Director, Japan Labour Health and Welfare Organization Sanin Rosai Hospital, Yonago, Japan*

²*Department of Pediatrics & Child Health, Kurume University, Kurume, Japan*

1. Management of patients with severe physical and mental handicaps

Jun Kohyama (Japan)

Tokyo Bay Urayasu Ichikawa Medical Center, Urayasu, Japan

2. Medical specialist who care for minds of children and the role of pediatric neurologists

Katsuo Sugita (Japan)

Division of Child Health, Faculty of Education, Chiba University, Chiba, Japan

3. Aspects of psychologists in the field of child neurology

Ryoichi Sakuta (Japan)

Department of Pediatrics, Dokkyo Medical University, Koshigaya Hospital, Saitama, Japan

4. Co-operation in pediatric rehabilitation

Mana Kurihara (Japan)

Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan

5. Trends and future perspectives in care of epilepsy

Kenji Sugai (Japan)

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

6. The future of cooperation between education and medicine on neurodevelopmental disorders (NDD)

Jiro Ono (Japan)

Department of Special Education, Faculty of Education, Wakayama University, Wakayama, Japan

Night seminar 1: Situation of the children with developmental problems in the disaster area, ~ a report of the project in Kesen-numa City.Chairs: Toshisaburo Nagai¹, Soichiro Tanaka²(Japan)¹Graduate School of Medicine, Course of Health Science, Osaka University, Osaka, Japan²The Department of Pediatrics, Tohoku University, Sendai, Japan

1. Report of our project in Kesen-numa city

Toshisaburo Nagai (Japan)

Graduate School of Medicine, Course of Health Science, Osaka University, Osaka, Japan

2. Regional support activity for children with developmental problems in the field of education

Makiko Satoh (Japan)

Kesen-numa Special Education School, Kesen-numa City, Miyagi, Japan

3. Support network for children with developmental disorder in the regional area

Yukari Suzuki (Japan)

The Welfare Division, Moto-yoshi, Kesen-numa City, Miyagi, Japan

4. Parent support experience in Kesen-numa city

Emi Furukawa (Japan)

Kio University, Department of Education, Nara, Japan

5. Issues in the disaster preparedness of severely disabled child in affected areas

Soichiro Tanaka (Japan)

*The Department of Pediatrics, Tohoku University, Sendai, Japan***Night seminar 2: Topics for authorization of new intravenous antiepileptic drugs and tacrolimus for autoimmune epilepsy**Chairs: Hirokazu Oguni¹, Masaharu Hayashi²(Japan)¹Dept of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan²Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

1. Early stage intervention for status epilepticus

Kitami Hayashi (Japan)

Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan

2. Effectiveness of tacrolimus in patients with Rasmussen syndrome

Yukitoshi Takahashi*, Hirokazu Oguni, Kouji Tominaga, Yusiyuki Kondo (Japan)

National epilepsy center, Shizuoka, Japan

3. The overview of Levetiracetam for IV injection

Takeshi Tanaka*, Kimihiro Kasamo (Japan)

CNS Medical Science, Medical Affairs, UCB Japan Co.,Ltd. Tokyo, Japan

4. The overview of Levetiracetam for IV injection

Takeshi Tanaka (Japan)

CNS Medical Science, Medical Affairs, UCB Japan Co.,Ltd. Tokyo, Japan

5. The current status of drug approval for epilepsy in Japan

Harumasa Nakamura (Japan)

*Office of New Drug 3, Pharmaceuticals & Medical Devices Agency, Tokyo, Japan***Night seminar 3: How to write a suitable medical certificate for Compensation System for Birth Troubles**Chairs: Kenji Sugai¹, Katsuo Sugita²(Japan)¹Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Kodaira, Japan²Division of Medical Science, Faculty of Education, Chiba University, Chiba, Japan

1. Current status of numerical trend of application for compensation, approach to facilitate publication of medical certificate for profound cerebral palsy by reducing burdens of pediatric neurologists, and future perspectives of the system under review process

Shigeru Ueda (Japan)

Japan Council for Quality Health Care, Tokyo, Japan

2. A few cases of applicants for the Organization of compensation for perinatal damage

Tomoko Uchida (Japan)

Department of Child Neurology, Chiba Rehabilitation Center, Chiba, Japan

3. The experience and problems of Compensation System for Birth Troubles from the viewpoint of beginning diagnostician

Yusaku Endoh (Japan)

Department of Pediatrics (Pediatric Neurology), Hamamatsu City Medical Center for Developmental Medicine, Hamamatsu, Japan

4. Important points of describing diagnosis form

Eiji Kitazumi (Japan)

National Rehabilitation Center for Children with Disabilities, Tokyo, Japan

Night seminar 4: Support in severely handicapped persons with IRYOUTEIKI

Chairs: Tateo Sugimoto (Japan)

Sugimotos Barn Klinik, Hyogo, Japan

1. Results of investigation in address mapping of severely handicapped persons with Iryouteki-care

Tateo Sugimoto (Japan)

Sugimotos Barn Klinik, Hyogo, Japan

2. Home medical care at pediatric clinic: Medical Daycare System

Takuya Kobayashi (Japan)

Nokendai Children Clinic, Yokohama, Japan

3. Delivery lectures of home medicine for disabled children at general hospitals

Tanaka Soichiro (Japan)

*The Department of Pediatrics, Tohoku University, Sendai, Japan***Night seminar 5: What to understand and carry out "The joint statement concerning sedation at MRI study"**Chairs: Hideo Yamanouchi¹, Hiroaki Sakamoto²(Japan)¹*Department of Pediatrics, Saitama Medical University School of Medicine, Saitama, Japan*²*Department of Pediatric Neurosurgery, Osaka City General Hospital, Osaka, Japan*

1. Summary of opinions on ML of JSCN board

Hideo Yamanouchi

Department of Pediatrics, Saitama Medical University, Saitama, Japan

2. From the point of view of Medical Safety Working Group of Japan Pediatric Society

Hiroshi Katsumori (Japan)

Kawakita General Hospital, Department of Pediatrics, Tokyo, Japan

3. How anesthesiologists can help to make safety MRI environments for children and pediatricians?

Hiroshi Otake

Department of Anesthesiology and Critical Care Medicine, Showa University School of Medicine, Tokyo, Japan

4. Current status of pediatric MR examination and what we can do in order to train more pediatric radiologists

Noriko Aida (Japan)

Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan

5. From a viewpoint of a lawyer

Yuko Nakashita

*Cosmos law office, attorney at law***Practical Education Seminar 1: Congenital Malformation Syndrome: From Basics to Clinics "How to approach it?"**Chairs: Takeo Kubota¹, Kenji Kurosawa² (Japan)Panelists: Yoshihashi Hiroshi³, Kuroda Yukiko⁴ (Japan)Commentator: Mizuno Seiji⁵ (Japan)¹*Department of Epigenetic Medicine, Faculty of Medicine, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Chuo, Japan*²*Division of Genetics, Kanagawa Children's Medical Center, Yokohama, Japan*³*Division of Medical Genetics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan*⁴ *Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan*⁵ *Department of Clinical Genetics, Central Hospital, Aichi Human Service Center, Kasugai, Japan*

1. Clinical approach in diagnosis of congenital malformation syndromes

Kenji Kurosawa (Japan)

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

2. Diagnostic approach from the point of view of medical genetics in pediatric neurology.

Hiroshi Yoshihashi (Japan)

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

3. Newly identified congenital anomaly syndromes

Nobuhiko Okamoto (Japan)

Department of Medical Genetics, Osaka medical Center and Research Institute for Maternal and Child Health, Izumi, Japan

4. Research for multiple congenital anomalies using next-generation sequencing

Yukiko Kuroda*, Ikuko Ohashi, Kenji Kurosawa (Japan)

Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan / Department of Pediatrics, University of Tokyo, Tokyo, Japan

Practical Education Seminar 2: Neonatal EEG/aEEG Seminar

Chair: Akihisa Okumura (Japan)

Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan

1. Conventional and amplitude-integrated EEG in full-term infants

Tatsuya Fukasawa (Japan)

Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

2. EEG and aEEG in preterm infants

Akihisa Okumura (Japan)

Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan

3. Conventional and amplitude-integrated EEG for seizure identification in the newborn

Hiroyuki Kidokoro (Japan)

*Department of Pediatrics, Nagoya University Hospital, Nagoya, Japan***Practical Education Seminar 3: Neuroimaging for Pediatricians, 2014.**Chairs: Jun-Ichi Takanashi¹, Hiroshi Oba²(Japan)¹*Department of Pediatrics, Kameda Medical Center, Kamogawa, Japan*²*Department of Radiology, Teikyo University Hospital, Tokyo, Japan*

1. Brain development and imaging diagnosis: MRI diagnosis of the congenital malformation of the central nervous system including fetus

Hidetsuna Utsunomiya (Japan)

Department of Diagnostic Radiology, Fukuoka Sanno Hospital, Fukuoka, Japan / International University of Health and Welfare, Graduate school, Radiological science, Tokyo, Japan

2. Neonatal neuroimaging

Noriko Aida (Japan)

Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan

3. Clinical imaging of demyelinating disorders (multiple sclerosis, acute disseminated encephalomyelitis and neuromyelitis optica)

Harushi Mori (Japan)

Department of Radiology, Graduate School and Faculty of Medicine, The University of Tokyo, Tokyo, Japan

4. How to read/interpret neuroimaging?

Jun-Ichi Takanashi*, Hiroshi Oba (Japan)

*Department of Pediatrics, Kameda Medical Center, Kamogawa, Japan***Practical Education Seminar 4: Practical education seminar: how to interpret the results of a genetic test?**Instructors: Shinji Saitoh¹, Takanori Yamagata², Toshiyuki Yamamoto³, Yasunari Sakai⁴, Takahito Wada⁵(Japan)¹*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*²*Department of Pediatrics, Jichi Medical University, Tochigi, Japan*³*Tokyo Women's University Institute for Integrated Medical Sciences, Tokyo, Japan*⁴*Department of Pediatrics, Kyushu University, Fukuoka, Japan*⁵*Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan***Practical Education Seminar 5: Clinical Usefulness of Child Neurophysiology - Demonstration of EP/ERP -**Chairs: Masumi Inagaki¹, Hideo Enoki²(Japan)¹*Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan*²*Department of Child Neurology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan*

1. An introduction to EEG interpretation

Hideo Enoki (Japan)

Department of Child Neurology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

2. Clinical application of MEG

Masaya Kubota (Japan)

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

3. A short lecture for beginners about evoked potentials of childhood

Atsushi Araki (Japan)

Department of Pediatrics, Kansai Medical University, Osaka, Japan

4. Event related potential (ERP)

Tatsuo Fuchigami (Japan)

Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan

5. Demonstration of recording evoked/event related potentials and EEG power spectrum analysis

Yoshimi Kaga*, Masao Aihara (Japan)

NHO Kofu National Hospital, Yamanashi, Japan / Department of Pediatrics, Faculty of Medicine, Yamanashi University, Yamanashi, Japan

2014 JSCN Award for Asia-Oceania Young investigator

Treatment response of children with idiopathic epilepsy

Sudhir Adhikari (Nepal)

Department of Pediatrics, Manipal College of Medical Sciences, Pokhara, Nepal

The 2014 JSCN International Educational Fellowship

Role of intravenous magnesium sulphate in moderate to severe perinatal asphyxia: a randomized, placebo controlled trial

Gazi Mohammad Imranul Haque (Bangladesh)

Bangladesh Institute of Child Health, Dhaka Shishu (Children) Hospital, Dhaka, Bangladesh

Sponsored Seminar 1

The role of child neurologists in the comprehensive epilepsy center

Hideo Enoki (Japan)

Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

Sponsored Seminar 2

1. Dravet syndrome in 2014

Charlotte Dravet (France)

Marseille - France

2. Treatments of patients with Dravet syndrome

Catherine Chiron (France)

Infantile Epilepsies and Brain Plasticity, INSERM, University Paris Descartes, CEA, France / Service de Neurologie et Metabolisme, Hôpital Necker, Paris, France

Sponsored Seminar 3

How to use the antiepileptic drugs in child epilepsy? -proper use and selection of new antiepileptic drugs -

Kentaro Kuwabara (Japan)

Department of Pediatrics, Nippon Medical School, Tokyo, Japan

Sponsored Seminar 4

Preliminary evidence for improvement by osmotic release oral system-methylphenidate on neural activity during low reward processing in children and adolescents with ADHD

Akemi Tomoda (Japan)

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

Sponsored Seminar 5

Levocarnitine supplementation in patients with drug-induced hyperammonemia

Masayasu Ohta (Japan)

Department of Pediatrics, JA Toride General Medical Center, Toride, Ibaraki, Japan

Sponsored Seminar 6

The treatment of status epilepticus in children based on therapeutic drug monitoring

Toshiyuki Iwasaki (Japan)

Department of Pediatrics, Kitasato University School of Medicine, Kanagawa, Japan

Sponsored Seminar 7

Examining the Brain Function in ADHD: Effect of Treatment using Functional Near-Infrared Spectroscopy (fNIRS)

Yukifumi Monden*, Ippeita Dan, Takenori Yamagata (Japan)

Department of Pediatrics, Jichi University Hospital, Tochigi, Japan / Jichi Children's Medical Center Tochigi, Tochigi, Japan

Sponsored Seminar 8

1. Diagnostic Cues for Treatable Lysosomal Storage Diseases: Gaucher Disease

Aya Narita (Japan)

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

2. Diagnostic Cues for Treatable Lysosomal Storage Diseases: Mucopolysaccharidoses

Motomichi Kosuga (Japan)

Department of Clinical Genetics and Molecular Medicine, National Center for Child Health and Development, Tokyo, Japan

Sponsored Seminar 9

Recent advance and problems across an age in the practical medicine of the pediatric epilepsy

Shin-Ichiro Hamano (Japan)

Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

Sponsored Seminar 10

Intrathecal baclofen therapy for patients with severe hypertension

Akiko Tamasaki (Japan)

Developmental of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan

Sponsored Seminar 11

Treatment strategy of childhood intractable epilepsy

Katsumi Imai (Japan)

NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Sponsored Seminar 12

Strategy for the treatment of childhood epilepsy

Harumi Yoshinaga (Japan)

Department of Child Neurology, Okayama University Graduate Schools of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama, Japan

Sponsored Seminar 13

Enteral nutrition management for neurologically impaired patients: latest topics of immunonutrition

Yoshiaki Tanaka (Japan)

Medical Safety Management Section, Kurume University Hospital, Fukuoka, Japan

Public Forum: What is short for children requiring support?: demand for medical care, education or other social support system

Chairs: Kohich Hirano¹, Hiroshi Ozawa² (Japan)

¹*Hamamatsu City Medical Center for Developmental Medicine, Hamamatsu, Japan*

²*Department of Childneurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan*

1. Introduction

Hideo Sugie (Japan)

Department of Pediatrics and Jichi Children's Medical Center, Jichi Medical University, Tochigi, Japan

2. A Practicing Pediatricians Approaches to Child Care and Community Livelihood Support

Kanehara Youji (Japan)

Kanehara Pediatrics Clinic, Shimonoseki, Japan

3. Community network based on pediatric home care and visiting nurse services

Atsuko Kajiwara (Japan)

Medical Incorporated Foundation Harutaka kai Nonprofit organization Aozora-net, Tokyo, Japan

4. The measures and problems to the children who require medical care in school education

Kazuhiro Shimokawa (Japan)

The Laboratory of community, caring and support system, Kodaira, Japan

5. The cooperation with education and welfare and medical care

Takako Kawabe (Japan)

Hamamatsu City Iinoya elementary school, Hamamatsu, Japan

6. About independence of severely retarded children's parent and child

Fujiya Kobayashi (Japan)

Social welfare corporation inle fuji, Shizuoka, Japan

7. The role of association of parents in the region

Tatsuo Oishi (Japan)

Non-profitable organization, Non-profitable organization, The Association of Parents of Hamamatsu Physically Disabled Children, Hamamatsu, Japan

8. The cooperation with education and welfare and medical care in the Hamamatsu City Medical Center for Developmental Medicine

Yusaku Endoh (Japan)

Department of Pediatrics (Pediatric Neurology), Hamamatsu City Medical Center for Developmental Medicine, Hamamatsu, Japan

9. Issues in the support and disaster preparedness of disabled children in affected areas

Tanaka Soichiro (Japan)

The Department of Pediatrics, Tohoku University, Sendai, Japan

English Session 1

E-001 The trajectories of General movements in infants with periventricular leukomalasia

Tomoki Maeda*, Kazuhito Sekiguchi, Tatsuro Izumi (Japan)

Department of Pediatrics and Child Neurology, Oita University, Oita, Japan

E-002 WDR45 mutation causes static encephalopathy of childhood with neurodegeneration in adulthood (SENDA)

Kazuhiro Muramatsu*, Satoko Kumada, Kenji Sugai, Emi Kasai-Yoshida, Noriko Sawaura, Hiroya Nishida, Ai Hoshino, Fukiko Ryujin, Seiichirou Yoshioka, Mitsuhiro Kato (Japan)

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

E-003 Whole exome sequencing reveals molecular basis of childhood cerebellar atrophy

Hitoshi Osaka*, Yu Tsuyusaka, Mizue Iai, Sumimasa Yamashita, Nobuyuki Shimoza, Yoshikatsu Eto, Hiroto Saito (Japan)
Department of Pediatrics, Jichi Medical School, Shimotsuke, Japan / Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan

E-004 CD40LG and SIL1 mutations associated with neurodegeneration and hypogammaglobulinemia

Setsuko Hasegawa*, Masatoshi Takagi, Yuji Sugawara, Kohsuke Imai, Tomohiro Morio, Shuki Mizutani (Japan)
Department of Pediatrics and Developmental Biology, Tokyo, Japan

E-005 Increase of microglia in the autopsy brains in xeroderma pigmentosum group A and Cockayne syndrome
 Masaharu Hayashi*, Hiroshi Sakuma (Japan)

The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

English Session 2

E-006 Xq22 deletions involving PLP1 cause severe delay and behavioral abnormalities in females

Keiko Shimojima*, Shino Shimada, Chikako Arakawa, Toshiyuki Yamamoto (Japan)
Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

E-007 Topiramate monotherapy and its efficacy to the infantile spasms in 2 infants with Aicardi syndrome

Tomoyuki Yamaguchi*, Hiroaki Miyahara, Shin-Ichi Uchiyama, Tatsuro Izumi (Japan)
Department of Pediatric and Child Neurology, Oita University School of Medicine, Oita, Japan

E-008 De novo mutations in GNAO1 cause epileptic encephalopathy and involuntary movement

Kazuyuki Nakamura*, Mitsuhiro Kato, Hideki Hoshino, Hiroshi Terashima, Hitoshi Osaka, Shinichi Nakamura, Jun Tohyama, Takashi Shihara, Masaya Kubota, Kiyoshi Hayasaka (Japan)
Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan / Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

E-009 A Recurrent KCNT1 Mutation in Two Patients with Malignant Migrating Partial Seizures in Infancy

Akihisa Okumura*, Atsuchi Ishii, Mutsuki Shioda, Hiroyuki Kidokoro, Masako Sakauchi, Shino Shimada, Toshiaki Shimizu, Makiko Osawa, Shinichi Hirose, Toshiyuki Yamamoto (Japan)
Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

E-010 Phenotype of infantile epilepsy with a PRRT2 Mutation

Ayuko Igarashi*, Akihisa Okumura, Shinpei Abe, Katsuhiko Kobayashi, Iori Ohmori, Atsushi Ishii, Shinichi Hirose, Tomonari Awaya, Toshiyuki Yamamoto, Toshiaki Shimizu (Japan)
Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

E-011 Effect of CYP2C19 polymorphisms on stiripentol administration in cases of Dravet syndrome

Takeshi Kouga*, Mariko Takagi, Rie Anzai, Mutsumi Sato, Mitsuko Okuda, Kyoko Takano, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka (Japan)
Kanagawa Prefectural Institute of Public Health, Kanagawa, Japan / Department of Pediatrics, Jichi Medical University, Tochigi, Japan

English Session 3

E-012 Hippocampal synaptic plasticity after development in a rat model of cryptogenic infantile spasms

Megumi Tsuji (Japan)
Laboratory of Neurophysiology, Department of Neuroscience, Jikei University School of Medicine, Tokyo, Japan

E-013 Magnetoencephalography relating with volume of focal cortical dysplasia

Midori Nakajima*, Kazuo Okanari, Satoru Sakuma, Ayako Ochi, Hiroshi Otsubo (Canada)
Division of Neurology, Department of Pediatrics, The Hospital for Sick Children, Toronto, Canada

E-014 MEG spike sources reflecting extensive epileptic network in tuberous sclerosis complex

Tohru Okanishi*, Ayako Ochi, Hiroshi Otsubo (Canada)
The Hospital for Sick Children, Division of Neurology, Toronto, Canada / Seirei-Hamamatsu General Hospital, Hamamatsu, Japan

E-015 Characteristics of heart rate variability in children with postictal generalized EEG suppression

Kazuo Okanari*, Tohru Okanishi, Satoru Sakuma, Midori Nakajima, Ayako Ochi, Hiroshi Otsubo (Canada)
Division of Neurology, The Hospital for Sick Children, Toronto, Canada

E-016 Characteristics of oligodendroglia-like cells in pediatric intractable focal epilepsy

Satoru Sakuma*, Midori Nakajima, Kazuo Okanari, Tohru Okanishi, Ayako Ochi, Hiroshi Otsubo (Canada)
Division of Neurology, The Hospital for Sick Children, Toronto, Canada / Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

E-017 High mobility group box 1 enhances hyperthermia-induced seizures in developing rats

Masanori Ito*, Mitsumasa Fukuda, Yoshiaki Yano, Yuka Suzuki, Takehiko Morimoto (Japan)
Department of Pediatrics, Ehime University Graduate School of Medicine, Ehime, Japan

English Session 4

E-018 Efficacy of bromide for severe epileptic encephalopathies in early infancy

Kenji Sugai*, Eiji Nakagawa, Takashi Saito, Yoshiaki Saito, Akihiko Ishiyama, Hirofumi Komaki, Masayuki Sasaki, Taisuke Otsuki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Kodaira, Japan

E-019 Under-treated anxiety disorders in children with epilepsy: Cognitive-behavioral intervention

Mayu Fujikawa*, Yosuke Kakisaka, Nobukazu Nakasato (Japan)
Department of Epileptology, Tohoku University Graduate School of Medicine, Sendai, Japan

E-020 Cardiac MRI to diagnose pediatric cardiomyopathy in inborn error of metabolism patients. Case report
Satoru Iwashima*, Takamichi Ishikawa, Takuya Hiraide, Hidetoshi Ishigaki, Miki Asahina, Tomoko Matubayashi,
Tokiko Fukuda (Japan)

Department of Pediatrics, Hamamatsu university school of medicine, Shizuoka, Japan

E-021 The use of susceptibility-weighted imaging for epileptic focus localization: A case report
Hiroki Iwasaki*, Yukihiko Fujita (Japan)

Department of Pediatrics, Tokyo Metropolitan Hiroo General Hospital, Tokyo, Japan

E-022 MERS with EBV-associated hemophagocytic lymphohistiocytosis
Kenji Inoue*, Yoshihisa Higuchi, Nobusuke Kimura, Naoko Nishimura, Makiko Nakamoto, Tsuyoshi Imai, Tsuneo Hirota (Japan)

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

English Session 5

E-023 Clinical Features and Surroundings of Patients with Congenital Myotonic Dystrophy
Miyuki Toyono*, Ikuhiro Inami, Aya Hirayama, Tamami Yano, Yukio Sawaishi (Japan)

Akita Prefectural Center on Development and Disability, Akita, Japan

E-024 Anti Flt-1 antibody as a novel therapeutic strategy for Duchenne muscular dystrophy (DMD)
Yuko Motohashi (USA)

Department of Neurology, University of Minnesota Medical School, Minneapolis, MN, USA / Stem Cell Institute, Cambridge, England / Paul and Sheila Wellstone Muscular Dystrophy Center, Minnesota, USA

E-025 Morphological differences among cells of the BBB and implications for two mitochondrial diseases
Mihoko Matsuzaki*, Rieko Takahashi, Satoru Nagata (Japan)

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan / Nakagawa-No-Sato, Hospital for the Disabled, Saitama, Japan

E-026 Oxidative stress-induced phospho-JNK1 inhibits hedgehog signaling and osteoblast differentiation
Tadashi Shiohama*, Katsunori Fujii, Hideki Uchikawa, Hiromi Mizuochi (Japan)

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

E-027 Hedgehog signaling is enhanced by nutritional deprivation in human fibroblasts of Gorlin syndrome
Hiromi Mizuochi*, Hideki Uchikawa, Tadashi Shiohama, Katsunori Fujii (Japan)

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

English Session 6

E-028 A Case of Young Adult with Infantile-onset Lhermitte-Duclos Disease
Asami Ito*, Toshiki Takenouchi, Takayuki Mitsuhashi, Takao Takahashi (Japan)

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

E-029 L1cam is crucial for radial migration during murine corticogenesis
Madoka Tonosaki*, Kyoko Itoh, Shinji Fushiki (Japan)

Department of Pathology and Applied Neurobiology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan

E-030 Differences in neurofunctional effects between atomoxetine and methylphenidate in ADHD
Masako Nagashima*, Yukifumi Monden, Ipeita Dan, Hideo Shimoizumi, Eijyu Watanabe, Takanori Yamagata (Japan)

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

E-031 Daily alteration of melatonin and oxidative stress markers in developmental disorders
Rie Miyata*, Naoyuki Tanuma, Masaharu Hayashi, Jun Kohyama (Japan)

The Department of Pediatrics, Tokyo-kita Social Insurance Hospital, Tokyo, Japan

E-032 Urinary secretion of melatonin in severe motor and intellectual disabilities
Yumi Okoshi*, Masaharu Hayashi, Rie Miyata, Naoyuki Tanuma (Japan)

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

E-033 Biomarker analysis in children with traumatic brain injury.
Naoyuki Tanuma*, Rie Miyata, Masaharu Hayashi (Japan)

Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan / Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

E-034 Usefulness of Children Behavior Checklist (CBCL) in Indonesian children
Hartini Sri*, Elisabeth Herini, Hapsara Sunartini, Satoshi Takada (Japan)

Graduate School of Health Sciences, Kobe University, Kobe, Japan / Nursing Department, Faculty of Medicine, Universitas Gadjah Mada, Yogyakarta, Indonesia

Oral Presentation: Neonatal/perinatal disorders

O-001 Correlation between amounts of brushes on EEG and DQ at 18 months of age in preterm infants
Toru Kato*, Yosuke Hosokawa, Takeshi Tsuji, Fumio Hayakawa, Tetsuo Kubota, Hiroyuki Kidokoro, Jun Natsume,
Akihisa Okumura (Japan)

Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan

O-002 The comparison of regional T1 hyperintensity and electroencephalogram findings in preterm infants
Tatsuya Fukasawa*, Tetsuo Kubota, Tamiko Negoro (Japan)

Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

O-003 Loss of acquired sleep-wake cycling as an early sign of infection in a hypothermic-treated infant

Yoriko Matsui*, Toshiki Takenouchi, Takao Takahashi (Japan)

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

O-004 MRI abnormalities of the asphyxial neonates without hypothermia treatment

Tetsuo Kubota*, Masaharu Tanaka, Tatsuya Fukasawa, Tamiko Negoro (Japan)

Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

O-005 Cell distributions after intravenous transfusion in a mouse and a primate model of brain injury

Masahiro Tsuji (Japan)

Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center, Suita, Japan

O-006 Analysis of a new mouse model of hypoxic-ischemic brain injury in extremely premature infants

Kimiko Deguchi*, Ken-Ichiro Kubo, Taku Nagai, Wei Shan, Kiyofumi Yamada, Kazunori Nakajima, Ken Inoue (Japan)

Deguchi Pediatric Clinic, Nagasaki, Japan / Department of Anatomy, Keio University School of Medicine Tokyo, Japan

Oral Presentation: Cerebral palsy, severe motor and intellectual disabilities 1

O-007 The Relationship between Late preterm infants and Children with Cerebral Palsy

Keiko Koterazawa*, Yuka Okada, Hiroyoshi Miyata (Japan)

Himeji City Center for the Handicapped, Himeji, Hyogo, Japan

O-008 Cerebellar atrophy and hydrocephalus in preterm cerebral palsy after intraventricular hemorrhage

Yukihiro Kitai*, Kayo Ohmura, Satori Hirai, Hiroshi Arai (Japan)

The Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan

O-009 Simple method to detect cerebellar atrophy in cerebral palsy born preterm

Hiroshi Arai*, Satori Hirai, Kayo Ohmura, Yukihiro Kitai (Japan)

Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan

O-010 Type of cerebral palsy among preterm children in relation to gestational age

Kayo Ohmura*, Yukihiro Kitai, Satori Hirai, Hiroshi Arai (Japan)

Department of Pediatric Neurology, Morinomiya hospital, Osaka, Japan

O-011 The Efficacy of Squatting Posture for the Spastic Type Cerebral Palsy

Shigeru Hanaoka*, Fumie Kimura (Japan)

Tokyo Metropolitan Medical Rehabilitation Center for the Disabled, Tokyo, Japan

O-012 Stature estimation from tibia length for children with severe cerebral palsy

Kenji Kihara*, Yoko Kawasaki, Mariko Yagi, Hiroyuki Imanishi, Tomohiro Usuku, Takashi Mito, Satoshi Takada (Japan)

Kobe University Graduate School of Health Sciences, Kobe, Japan / Kobe medical center for persons with severe motor and intellectual disabilities, Kobe, Japan

Oral Presentation: Cerebral palsy, severe motor and intellectual disabilities 2

O-013 A clinical study of laryngotracheal separation in Matsuyama Red Cross Hospital

Tomohito Fujioka*, Kousuke Nakano, Satoshi Maniwa (Japan)

Pediatrics, Matsuyama Red Cross Hospital, Matsuyama, Japan

O-014 Clinical result of supra-glottic closure in a patient with severe motor and intellectual disability

Mika Hayakawa*, Hideto Saigusa, Sakiko Oshima, Masamichi Ariga, Mika Iwamura, Masayuki Imai, Yukikatu Ochiai (Japan)

Department of Pediatrics, Tokyo Metropolitan Kita Medical and Rehabilitation Center for Disabled, Tokyo, Japan

O-015 The relation of serum KL-6 and VF findings in severe motor and intellectual disabilities patients

Hiroyuki Wakamoto*, Nozomi Sano, Yosaki Yano, Kozue Kuwabara, Takehiko Morimoto (Japan)

Department of Pediatric Neurology, Ehime Rehabilitation Center for Children, Toon, Japan

O-016 A case of subclavian artery-esophageal fistula caused by long term placement of a naso-gastric tube

Yuusuke Saiki*, Koyo Ohno, Yoshihiro Maegaki (Japan)

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

O-017 The caregiving of dysphagia in children with severe motor and intellectual disabilities

Kousuke Nakamura*, Yoshimi Kaga, Chikako Ono, Yuhko Kamiya, Sayaka Ishii, Hideaki Kanemura, Masao Aihara (Japan)

Department of Pediatrics, National Hospital Organization Kofu Hospital, Kofu, Yamanashi, Japan / Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Chuo, Yamanashi, Japan

O-018 Awareness survey of our hospital and Neurology staff for the "pediatric palliative care"

Sunao Tomita (Japan)

The Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan / The Department of child and family support, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

Oral Presentation: Neuromuscular disorders 1

O-019 Sibling cases of hereditary neuropathy with liability to pressure palsies

Kenji Fujita*, Toshiyuki Seto, Kanako Yamashita, Taeka Hattori, Norikatsu Hikita, Haruo Shintaku (Japan)

The Department of Pediatrics, Graduate School of Medicine, Osaka City University, Osaka, Japan / PL Hospital, Osaka, Japan

O-020 TRH therapy and clinical outcome measures for spinal muscular atrophy

Zenichiro Kato*, Hideo Sasai, Kazuo Kubota, Minako Kawamoto, Yuko Itou, Norio Kawamoto, Hidenori Ohnishi, Toshiyuki Fukao, Ryou Hattori, Norihito Shimizu (Japan)

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

O-021 Correlation of muscle MRI and nerve conduction study in spinal muscle atrophy type3

Sadao Nakamura*, Akihiko Ishiyama, Hirofumi Komaki, Takashi Saitou, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Japan)

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

O-022 Phenotype variability of sodium channel myotonia

Takashi Shibata*, Harumi Yoshinaga, Tomoyuki Akiyama, Makio Oka, Katsuhiko Kobayashi, Nagako Murakami, Shunichi Sakoda (Japan)

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

O-023 ORAI1 mutation causes Tubular aggregate myopathy

Yukari Endo*, Satoru Noguchi, Yuji Hara, Yukiko Hayashi, Nobuyuki Murakami, Rika Kizu, Masahiro Banba, Ikuya Nonaka, Ichizo Nishino (Japan)

Department of Clinical Development, Translational Medical Center, National Center of Neurology and Psychiatry, Kodaira, Japan / Department of Neuromuscular research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan

O-024 Two family cases with childhood-onset Rippling muscle disease

Kumiko Ishiguro*, Keiko Ishigaki, Terumi Murakami, Takatoshi Sato, Sachiko Kajino, Naomi Fukuyo, Yukiko Hayashi, Makiko Oosawa, Satoru Nagata (Japan)

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

Oral Presentation: Genes 2

O-025 A family of distal arthrogryposis type5 with PIEZO2 mutation

Mariko Okubo*, Yoshiaki Saitou, Emiko Kojima, Reiko Koichihara, Akihiko Ishiyama, Takashi Saitou, Hirofumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Japan)

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

O-026 Withdrawn

O-027 Two cases of brain malformation with COL4A1 or COL4A2 mutation

Shumpei Uchino*, Hiroto Saito, Emi Kasai, Satoko Kumada, Ayaka Koide, Ikuko Shirai, Yasuo Hachiya, Eiji Kurihara (Japan)

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

O-028 Brain MRI mimicking Infantile Neuroaxonal Dystrophy in a Patient with SLC9A6 mutation

Yamamoto Ayako*, Takahito Wada, Hiroko Shinbo, Naomichi Matsumoto, Hitoshi Osaka (Japan)

Department of Pediatrics, Yamato Municipal Hospital, Kanagawa, Japan / Department of Pediatric Neurology, Kanagawa Children's Medical Center, Kanagawa, Japan

O-029 A case of Potocki-Shaffer syndrome who presented West syndrome

Koji Takahashi*, Mamiko Hotate, Shimpei Baba, Keisuke Nakajima, Ayako Kashimada, Yuji Sugawara, Mitsuhiro Kato, Hiroto Saito (Japan)

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O-030 First report of PTCH2 mutation in a girl with basal cell nevus syndrome in Japan

Hajime Ikehara*, Katsunori Fujii, Hirofumi Ohashi, Hiromi Mizuuchi, Tadashi Shiohama, Hideki Uchikawa, Toshiyuki Miyashita (Japan)

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Oral Presentation: Neuromuscular disorders 2

O-031 Characteristic of heart rate variability in Duchenne muscular dystrophy

Ayako Hattori*, Ikumi Hori, Yutaka Negishi, Naoki Ando, Tetsuya Ito, Shinji Saitoh (Japan)

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O-032 Cardiac Assessment using fractional shortening in 143 cases with Duchenne muscular dystrophy

Tomoko Lee*, Noriko Kusunoki, Mariko Yagi, Yasuhiro Takeshima, Masafumi Matsuo, Kazumoto Iijima (Japan)

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

O-033 Relationship between body weight and resting energy expenditure in Duchenne muscular dystrophy

Shimpei Baba*, Akihiko Ishiyama, Hirohumi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Satoko Takanoha, Hirohumi Imaizumi, Yuji Abe (Japan)

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

O-034 Assessment of bone fragility in bedridden patients with Duchenne muscular dystrophy

Kaori Irahara*, Rie Suzuki, Soichi Mukaida, Kazuhiro Shiraishi (Japan)

The department of pediatrics, National Hospital Organization Utano Hospital, Kyoto, Japan

O-035 Evaluation of Skeletal Muscle of Muscular Dystrophy Patients using Bioelectrical Impedance Analysis

Tomoka Uchiyama*, Satoshi Kuru, Terumi Murakami, Keiko Ishigaki, Takatoshi Sato, Ayako Hattori, Takahiro Nakayama (Japan)

TANITA Body Weight Scientific Institute, Tokyo, Japan

O-036 Validity of estimating muscle volume by bioelectrical impedance analysis in FCMD

Terumi Murakami*, Tomoka Uchiyama, Satoshi Kuru, Takahiro Nakayama, Takatoshi Sato, Makiko Oosawa, Satoru Nagata, Keiko Ishigaki (Japan)

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Oral Presentation: Genes 1

O-037 Inherited GPI deficiencies due to abnormal structure: PGAP1 deficiency and PGAP3 deficiency

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O-038 Siblings with MCT8-Specific Thyroid Hormone Cell Transporter Deficiency

Riyo Ueda*, Akiko Tamasaki, Wataru Matsumura, Youko Nishimura, Noriyuki Namba, Yoshihiro Megaki (Japan)

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O-039 A haploinsufficiency of FOXG1 identified in a boy with the congenital variant of Rett syndrome

Masatoshi Nakata*, Akira Kumakura, Tooru Takaori, Rie Nakai, Kazuki Okajima, Satoru Takahashi, Daisuke Hata (Japan)

Department of Pediatrics, Kitaono Hospital, the Tazuke Kofukai Medical Research Institute, Osaka, Japan

O-040 A case of PIGO mutation with severe mental retardation and intractable epilepsy

Rie Anzai*, Mutsumi Sato, Mariko Takagi, Mitsuko Okuda, Yu Tsuyusaki, Kyoko Takano, Mizue Iai, Kazuyuki Nakamura, Hirotomo Saito, Hitoshi Osaka (Japan)

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O-041 MLC derived from a microdeletion of 11q23.3-24.2 including HEPACAM

Shino Shimada*, Masaya Kubota, Keiko Shimojima, Satoshi Nagata, Toshiyuki Yamamoto (Japan)

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Oral Presentation: Acute encephalitis, encephalopathy 1

O-042 An alteration of the neurological outcome using the notion of severe febrile seizure

Hiroaki Nagase*, Tsukasa Tanaka, Masahiro Nishiyama, Kyoko Fujita, Azusa Maruyama (Japan)

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

O-043 AST elevation within 6hrs of onset predicts fulminant acute encephalopathy and severe sequelae

Tsukasa Tanaka*, Masahiro Nishiyama, Kyouko Fujita, Azusa Maruyama, Hiroaki Nagase (Japan)

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O-044 Serum and cerebrospinal fluid levels of visinin-like protein-1 in AESD

Madoka Kajimoto*, Shunji Hasegawa, Hirohumi Inoue, Takeshi Matsushige, Midori Wakabayashi, Hiroshi Momonaka, Hiroshi Isumi, Takashi Ichiyama (Japan)

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O-045 Serum procalcitonin in acute encephalopathy with biphasic seizures and late reduced diffusion

Yoshiteru Azuma*, Takeshi Tsuji, Tetsuo Kubota, Yuji Ito, Chikako Ogawa, Hiroyuki Kidokoro, Naoko Ishihara, Tamiko Negoro, Kazuyoshi Watanabe, Jun Natsume (Japan)

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

O-046 Mutations of sodium channels SCN1A and SCN2A in acute encephalopathy with status epilepticus

Makiko Saitoh*, Atsushi Ishii, Yukiko Ihara, Ai Hoshino, Hiroshi Terashima, Masaya Kubota, Gaku Yamanaka, Takashi Kawashima, Kenjiro Kikuchi, Kaoru Amemiya (Japan)

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O-047 Genetic analysis of severe acute encephalopathy with status epilepticus

Gaku Yamanaka*, Mika Takushita, Shingo Oana, Yu Ishida, Shinichiro Morichi, Tasuku Miyajima, Makiko Saitou, Masashi Mizuguchi, Shinichi Hirose, Hisashi Kawashima (Japan)

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Oral Presentation: Acute encephalitis, encephalopathy 2

O-048 Distribution of Brain Lesions in Neonatal Herpes Simplex Encephalitis

Hiroyuki Kidokoro*, Akihisa Okumura, Takeshi Tsuji, Tetsuo Kubota, Naoki Ando, Yuji Ito, Chikako Ogawa, Hiroyuki Yamamoto, Naoko Ishihara, Tohru Kato (Japan)

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

O-049 MERS type2 associated with HHV-6 infection: an evaluation by MR spectroscopy

Chikako Kusano*, Hiroshi Matsumoto, Kiyotaka Zaha, Yasuko Nakamura, Junichi Takanashi (Japan)

Department of Pediatrics, National Defence Medical College, Saitama, Japan

O-050 Three cases of acute encephalopathies showing high DWI on the occipital cortex, followed by BTA

Ohno Atsuko*, Motomasa Suzuki, Kazuya Itomi, Takeshi Tsuji, Tetsuo Kubota, Akihisa Okumura, Naoki Ando, Shinji Saitoh, Jun Natsume (Japan)

Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Aichi, Japan

O-051 A case of acute encephalopathy followed by atypical Kawasaki disease

Reiko Shibata*, Ayako Hattori, Naoki Ando, Tsunesaburo Ando (Japan)

Nagoya Daini Red Cross Hospital, Nagoya, Japan

O-052 Two cases of acute encephalopathy accompanied by gastrointestinal perforation

Michihiko Takasu*, Ayako Tumita, Tomoyuki Nakazawa, Tadaharu Okazaki, Kaoru Obinata (Japan)

Urayasu Hospital, University of Juntendo, Chiba, Japan

O-053 Encephalitis/encephalopathy cases for continuous EEG monitoring

Mitsuru Kashiwagi*, Yakuya Tanabe, Chizu Ooba, Sousuke Yoshikawa, Ryouhei Miyamoto, Syuichi Shimakawa, Kouji Azumakawa, Eiji Wakamiya, Hiroshi Tamai (Japan)

Department of Pediatrics, Hirakata City Hospital, Hirakata, Japan

Oral Presentation: Acute encephalitis, encephalopathy 3

O-054 Efficacy and safety of fosphenytoin for acute encephalopathy in children

Mika Nakazawa*, Akihisa Okumura, Manami Akasaka, Takeshi Hasegawa, Tomonori Suzuki, Taiki Shima, Jyunichi Takanashi, Atsuko Yamamoto, Yuuki Ishidou, Kenjiro Kikuchi (Japan)

Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan / Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

O-055 Genetic background in Japanese patients with acute necrotizing encephalopathy

Ai Hoshino*, Makiko Saitoh, Masaya Kubota, Jyunichi Takanashi, Mitstuo Toyoshima, Akie Miyamoto, Akihisa Okumura, Masashi Mizuguchi (Japan)

Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Japan

O-056 Presence of antineuronal antibodies in a patient with Mycoplasmal basal ganglia encephalitis

Takano Kyoko*, Mutsumi Sato, Mariko Takagi, Rie Anzai, Mitsuko Okuda, Yu Tsuyusaki, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka, Hiroshi Sakuma (Japan)

Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan / Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan

O-057 Immunological analyses highlight the diversity of basal ganglia encephalitis

Eri Nakahara*, Hiroshi Sakuma, Masaharu Hayashi, Tomonori Suzuki, Toshiaki Shimizu, Akihisa Okumura (Japan)

Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan / Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

O-058 Anti-aquaporin-4 antibody in a girl without optic neuritis and myelitis

Sato Suzuki*, Yurika Numata, Mitsugu Uematsu, Naomi Fukuyo, Shigeo Kure (Japan)

Department of Pediatrics, Japanese Red Cross Ishinomaki Hospital, Ishinomaki, Japan / Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

O-059 A case of anti-NMDA receptor encephalitis successfully treated with steroid pulse therapy

Shohei Kusabiraki*, Yuuki Watanabe, Hiromichi Taneichi, Tomomi Tanaka, Chiaki Tanaka, Kazushi Miya, Hisashi Mori, Yuichi Adachi (Japan)

Department of Pediatrics, University of Toyama, Japan

Oral Presentation: Infectious, immunological diseases 1

O-060 The effectiveness of intravenous immunoglobulin for acute disseminated encephalomyelitis in infancy

Tsuyoshi Matsuoka*, Masato Hiyane, Masaharu Ohfu (Japan)

Division of Child Neurology, Okinawa Prefectural Nanbu Medical Center, Children's Medical Center, Okinawa, Japan

O-061 Retrospective analyses of MRI findings of acute disseminated encephalomyelitis

Atsuko Oba*, Shin-Ichiro Hamano, Yuko Hirata, Yuji Kumagai, Kenjiro Kikuchi, Manabu Tanaka, Motoyuki Minamitani (Japan)

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O-062 A case of multiple sclerosis with intractable optic neuritis following varicella zoster ophthalmitis

Naoko Shiba*, Shoko Yamauchi, Mitsuo Motobayashi, Taemi Nimi, Takafumi Nishimura, Yuji Inaba (Japan)

The Department of Pediatrics, Shinshu University, Nagano, Japan

O-063 Two cases of tumefactive demyelination differentiated from brain tumor by biopsies

Kentaro Kawamura*, Koki Nikaido, Nobutada Tachi, Hiroyuki Tsutsumi, Nobuhiro Mikuni (Japan)

Department of Pediatrics, Sapporo Medical University, Sapporo, Japan

O-064 Pediatric multiple sclerosis having resistance to immunotherapies

Hiroyuki Torisu*, Hideo Aiba, Takashi Ichiyama, Takayuki Kishi, Shigemi Kimura, Masaya Kubota, Junichi Takanashi, Yukitoshi Takahashi, Hiroshi Tamai, Jun Natsume (Japan)

The Department of Pediatrics, Graduate School of Medicine, Kyushu University, Fukuoka, Japan / The Department of Pediatrics, Fukuoka Dental College, Fukuoka, Japan / Japan society for pediatric immune-mediated brain diseases, Tokyo, Japan

O-065 Neuropsychological Assessment in Pediatric Multiple Sclerosis

Megumi Nukui*, Hisashi Kawawaki, Masataka Hukuoka, Yuka Hattori, Hitomi Tsuji, Asako Horino, Ichiro Kuki, Shin Okazaki, Masako Okada, Kiyotaka Tomiwa (Japan)

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Oral Presentation: Epilepsy, seizures 1

O-066 The effects of everolimus for five cases of tuberous sclerosis complex with epilepsy

Daisaku Toyoshima*, Naoya Morisada, Taku Nakagawa, Masao Adachi, Yasuhiro Takeshima, Satoshi Takada, Kazutomo Iijima (Japan)

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

O-067 Treatment of Everolimus in TSC

Kuriko Shimono*, Kanako Kishimoto, Jyunpei Tanigawa, Sanae Yamazaki, Sayaka Nakano, Yoshiko Iwatani, Taichi Kitaoka, Takuo Kubota, Koji Tomoinaga, Shin Nabatame (Japan)

United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan / Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan / Epilepsy Center, Osaka University Hospital, Osaka, Japan

O-068 Efficacy of everolimus for subependymal giant cell astrocytoma and epilepsy: A case report

Chizuru Nishizato*, Hiroe Ueno, Hijiri Watanabe, Tomoyuki Shimadu (Japan)

Kumamoto Saishunso National Hospital, Kumamoto, Japan

O-069 Surgical treatment of pediatric intractable epilepsy with Tuberous Sclerosis

Yasushi Iimura*, Hidenori Sugano, Madoka Nakajima, Takuma Higo, Akihisa Okumura, Shinpei Abe (Japan)

Department of neurosurgery, University of Juntendo, Tokyo, Japan

O-070 Lateralization and seizure outcomes after callosotomy in epilepsy patients with focal abnormalities

Reiko Koichihara*, Kenji Sugai, Taisuke Otsuki, Akio Takahashi, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Hirofumi Komaki, Akihiko Ishiyama, Masayuki Sasaki (Japan)

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

O-071 For what types of seizure does VNS work?

Ayataka Fujimoto*, Toru Okanishi, Takuya Yokota, Hideo Enoki, Takamichi Yamamoto (Japan)

Seirei Hamamatsu General Hospital, Comprehensive Epilepsy Center, Hamamatsu, Japan

Oral Presentation: Epilepsy, seizures 2

O-072 Clinical characteristics of West syndrome in patients with brain damage due to perinatal origin.

Kyouko Hirasawa*, Akiko Takeshita, Youko Yoshikawa, Yoshiko Hirano, Hidetsugu Nakatsukasa, Mutsuki Shioda, Yasushi Ito, Hirokazu Oguni, Satoru Nagata (Japan)

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O-073 The long term prognosis of West syndrome due to periventricular leukomalacia.

Kuniaki Fukuda (Japan)

The Department of Neuropediatrics, Asada General Hospital, Marugame, Japan

O-074 The MRI and FDG-PET findings in West syndrome confirmed fine cortical dysplasia by 3T-MRI.

Yoko Sakaguchi*, Chikako Ogawa, Yuji Ito, Hiroyuki Yamamoto, Tomoya Takeuchi, Setsuri Yokoi, Yosuke Hosokawa, Takeshi Tsuji, Hiroyuki Kidokoro, Yoshiteru Azuma (Japan)

The Department of Pediatrics, Nagoya University Graduate school of Medicine, Nagoya, Japan

O-075 The identification of a de novo KCNT1 mutation in a girl with West syndrome

Takahito Inoue*, Atsushi Ishii, Reimi Tsurusawa, Noriko Nakamura, Takeshi Kanaumi, Hirotomo Saito, Mitsuhiro Kato, Shinichi Hirose, Atsushi Ogawa (Japan)

Department of Pediatrics, Fukuoka University Chikushi Hospital, Chikushino, Japan

O-076 Laboratory data change of cytokine in West syndrome reactive to immunoglobulin therapy

Ryuki Matsuura*, Shin-Ichiro Hamano, Yuko Hirata, Yuji Kumagai, Atsuko Oba, Kenjiro Kikuchi, Manabu Tanaka, Motoyuki Minamitani, Hiroyuki Ida (Japan)

Division of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan / Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

O-077 The effects of new antiepileptic drugs for West syndrome.

Yuka Hattori*, Hisashi Kawawaki, Masataka Fukuoka, Hitomi Tsuji, Asako Horino, Megumi Nukui, Ichirou Kuki, Shin Okazaki (Japan)

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Oral Presentation: Epilepsy, seizures 3

O-078 Three siblings with glycosylphosphatidylinositol(GPI) deficiency with neonatal myoclonic seizure

Yukiko Mogami*, Hiromi Toshikawa, Yuuichi Kimizu, Sadami Kimura, Tae Ikeda, Keiko Yanagihara, Yasuhiro Suzuki, Nobuhiko Okamoto, Yoshiko Murakami, Taro Kinoshita (Japan)

Osaka Medial Center and Research Institute for Maternal and Child Health, Izumi, Japan

O-079 Clinical characteristics of two siblings of inherited GPI deficiency with PIGN mutations

Junpei Tanigawa*, Yasuhiro Suzuki, Nobuhiko Okamoto, Hirotomo Saito, Ryoko Murakami, Takayuki Okamura, Tae Ikeda, Yukiko Mogami, Keiko Yanagihara, Shin Nabatame, Kuriko Shimono (Japan)

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

O-080 A case of childhood onset severe epilepsy with hypomyelination due to IQSEC2 mutations

Ryo Sato*, Wakaba Endo, Takehiko Inui, Hirotomo Saito, Kazuhiro Haginoya (Japan)

Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan

O-081 Seizure type in ring chromosome14 with breaking point at p11.2q32.3

Shinsaku Yoshitomi*, Tokito Yamaguchi, Akito Watanabe, Kazuki Tsukamoto, Hirosato Nasu, Yuki Ueda, Hideyuki Otani, Hiroko Ikeda, Hideo Shigematsu, Katsumi Imai (Japan)

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O-082 Two cases of Pallister-Killian Syndrome with Infantile spasms

Tomoko Kobayashi*, Mitsugu Uematsu, Tojyo Nakayama, Atsuo Kikuchi, Wakaba Endo, Hiroki Sato, Yuuko Sato, Naomi Fukuyo, Yuki Kubota, Hiroshi Kawame (Japan)

Division of Genomic Medicine Support and Genetic Counseling, Tohoku University, Sendai, Japan / Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

O-083 Moyamoya disease in 2 siblings associated with c.14576G>A variant

Satoshi Inoue*, Toshio Osamura, Koji Tagawa, Hiroshi Kubo, Tadaki Omae (Japan)

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Oral Presentation: Epilepsy, seizures 4

O-084 Cognitive outcome of epileptic patients with focal cortical dysplasia

Nobusuke Kimura*, Yukitoshi Takahashi, Hideo Shigematsu, Katsumi Imai, Hiroko Ikeda, Hideyuki Ootani, Rumiko Takayama, Yukiko Mogami, Koichi Baba, Kazumi Matsuda (Japan)

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O-085 Features of seizure frequency in epileptic patient with focal cortical dysplasia

Mahito Atobe*, Kenji Sugai, Akihiko Ishiyama, Takashi Saitou, Yoshiaki Saitou, Hirohumi Komaki, Eiji Nakagawa, Masayuki Sasaki, Akio Takahashi, Taisuke Ootuki (Japan)

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

O-086 A surgical case of mesial temporal lobe epilepsy controlled with anti epileptic drugs

Masahiro Ishii*, Masayuki Shimono, Tomofumi Fukuda, Ayako Senju, Naoki Shiota, Hiroshi Baba, Koichi Kusuhara (Japan)

The Department of Pediatrics, University of Occupational Environmental Health, Fukuoka, Japan

O-087 Efficacy of vigabatrin on West syndrome in a case of cortical dysplasia

Hitoshi Sato*, Giyo Koh, Chisato Akita, Keita Tamanuki, Yoriko Takahashi, Tsuneyuki Nakamura, Yutaka Saikawa (Japan)

Department of Pediatrics, Kanazawa Medical University, Ishikawa, Japan

O-088 Landau-Kleffner syndrome in a child with periventricular leukomalacia.

Noboru Yoshida*, Shinpei Abe, Mitsuru Ikeno, Ayuko Igarashi, Eri Nakahara, Kyoko Tanaka, Akihisa Okumura, Toshiaki Shimizu (Japan)

Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

O-089 Decreased seizure threshold and interneuron vulnerability in experimental polymicrogyria

Tomoyuki Takano*, Noriko Nishikura, Seichirou Yoshioka, Yuko Sakae, Chihiro Sawai, Yoshihiro Takeuchi (Japan)

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Oral Presentation: Epilepsy, seizures 5

O-090 Childhood febrile seizures provide neural circuit bases for adulthood memory performance

Ryuta Koyama*, Kentaro Tao, Junya Ichikawa, Norio Matsuki, Yuji Ikegaya (Japan)

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O-091 Gelastic seizures: A case of refractory epilepsy as a sequela of acute encephalopathy

Yichi Abe*, Anzu Noda, Kaori Sassa, Hideo Yamanouchi (Japan)

Department of Pediatrics, Saitama Medical University, Saitama, Japan

O-092 A case study of large deletion in chromosome 2q with severe epilepsy well controlled by stiripentol.

Naoko Ishihara*, Tomoya Takeuchi, Chikako Ogawa, Yuji Ito, Yoshiteru Azuma, Hiroyuki Kidokoro, Kiyokuni Miura, Tamiko Negoro, Kazuyoshi Watanabe, Jun Natsume (Japan)

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

O-093 Stiripentol free concentration relates to comedication or CYP2C19 mutation?

Hirosato Nasu*, Yukitoshi Takahashi, Ryouhei Takahashi, Yoshiaki Yamamoto, Shinsaku Yoshitomi, Hirokazu Watanabe, Tokito Yamaguchi, Hideyuki Ohtani, Hiroko Ikeda, Katsumi Imai (Japan)

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O-094 Acute encephalopathy with Dravet syndrome: three case report

Toru Takaori*, Akiira Kumakura, Masatoshi Nakata, Rie Nakai (Japan)

Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Osaka, Japan

O-095 N-desmethyloclobazam monitoring prevents somnolence even optimum serum clobazam

Jun Kubota*, Ryuki Matsuura, Shin-Ichiro Hamano, Hiroyuki Ida (Japan)

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Oral Presentation: Imaging

O-096 one case of schizencephaly which complicated the supratentorial midline cyst

Yoshifumi Miyagi*, Takeshi Miyamoto (Japan)

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O-097 The analysis of diffusion tensor imaging at onset in patients with cryptogenic West syndrome

Chikako Ogawa*, Tatsuya Fukasawa, Hiroyuki Kidokoro, Naoko Ishihara, Yoshiteru Azuma, Setsuri Yokoi, Hiroyuki Yamamoto, Tomoya Takeuchi, Tetsuo Kubota, Naoki Ando (Japan)

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

O-098 A change of 123I-iodoamphetamine SPECT by adrenocorticotrophic hormone therapy in West syndrome

Satoru Ikemoto*, Shin-Ichiro Hamano, Yuko Hirata, Kotoko Suzuki, Atsuko Ooba, Ryuki Matsuura, Kenjiro Kikuchi, Hiroyuki Ida (Japan)

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

O-099 A case of autoimmune limbic encephalitis showing only parieto-occipital lesion

Yuko Taniguchi*, Takahiro Ikeda, Akihiko Miyauchi, Tomoyuki Ishii, Masako Nagashima, Yukifumi Monden, Hitoshi Osaka, Hideo Sugie, Yukitoshi Takahashi, Takanori Yamagata (Japan)

The Department of Pediatrics, Jichi Medical University, Tochigi, Japan

O-100 Characteristic abnormal eye movement as the first symptom of alternating hemiplegia of childhood
Takahiro Motoki*, Akihiko Ishiyama, Takashi Saito, Yoshiaki Saito, Hirohumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Atushi Ishii, Shinichi Hirose (Japan)

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

O-101 An infant with neonatal nonketotic hyperglycinemia: a case report

Rie Nakai (Japan)

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Oral Presentation: Metabolic disorders 1

O-102 Neonatal onset Leigh encephalopathy due to SLC19A3 mutation

Ikuko Shirai*, Satoko Kumada, Tomoka Kobayashi, Sunao Tomita, Shunpei Uchino, Yasuo Hachiya, Sahoko Miyama, Eiji Kurihara (Japan)

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

O-103 An autopsy case of Leigh encephalopathy, accompanying epileptic encephalopathy with suppression burst

Kiyotaka Zaha*, Hiroshi Matumoto, Yasuko Nakamura, Masayuki Itoh, Akira Ohtake, Kei Murayama (Japan)

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O-104 Efficacy of pyruvate therapy on mitochondrial diseases: evaluation in bedridden patients

Tatsuya Fujii*, Fumihito Nozaki, Anri Hayashi, Tomohiro Kumada, Ikuko Hiejima, Mioko Mori, Minoru Shibata (Japan)

Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan

O-105 Sodium pyruvate therapy on 8 patients with mitochondrial disorders

Yutaka Negishi*, Ikumi Hori, Ayako Hattori, Naoki Ando, Tetsuya Ito, Shinji Saitoh (Japan)

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

O-106 Sodium pyruvate therapy for chronic progressive external ophthalmoplegia and Kearns-Sayre syndrome

Yoshiyuki Kobayashi*, Yuji Fujii, Nobutsune Ishikawa (Japan)

Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan

O-107 The short efficiency of sodium pyruvate for 3 cases of Mitochondrial disease

Daisuke Tajima*, Muneaki Matsuo, Fumio Ichinose (Japan)

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

Oral Presentation: Metabolic disorders 2

O-108 Myoclonic Status Epilepticus of a Patient with Mucopolysaccharidosis type 3A: a Case Report

Azusa Oshiro*, Kunihito Tamashiro (Japan)

Department of Child Health and Welfare (Pediatrics), Faculty of medicine, University of the Ryukyus, Okinawa, Japan.

O-109 Efficacy of HSCT on brain involvement of MPS II patients and the timing of transplantation

Akemi Tanaka*, Takashi Hamazaki, Torayuki Okuyama, Yasuyuki Suzuki, Norio Sakai, Motomichi Kosuga, Michiko Shinpo, Mika Ishige, Hideo Mugishima (Japan)

Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

O-110 Autophagy and neuronal cell damage in iduronate 2-sulfatase knock-out mouse

Akemi Tanaka (Japan)

Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

O-111 Clinical Utility of Exome Sequencing in Siblings of Undiagnosed Juvenile GM1-Gangliosidosis

Toshiki Takenouchi*, Kenjiro Kosaki, Takao Takahashi (Japan)

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

O-112 Functional analysis of the chaperon effect for GM1-gangliosidosis

Eiji Nanba*, Katsumi Higaki, Kaori Adachi, Kousaku Ohno, Suzuki Yoshiyuki (Japan)

Research Center for Bioscience and Technology, Tottori University, Yonago, Japan / Center for Promoting Next-generation Highly Advanced Medicine, Tottori University Hospital, Yonago, Japan

O-113 The first Japanese case of mucopolysaccharidosis type IV: clinical course and pathological study

Harumi Saijo*, Takanori Ezo, Hiroto Saito, Masaharu Hayashi, Kiyoko Kurata (Japan)

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Oral Presentation: Autism spectrum disorder 1

O-114 SHANK3 mutation causes a female patient with Rett syndrome

Munetsugu Hara*, Yushiro Yamashita, Toyojiro Matsuishi (Japan)

Department of Neonatology, Medical Center for Maternal and Child Health, St. Mary's Hospital, Kurume, Japan / Departments of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan

O-115 Evaluation of pharmacotherapy for ASD and ADHD based on EEG

Eiji Nakagawa*, Sadao Nakamura, Akira Yasumura, Masumi Inagaki (Japan)

Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

O-116 Antipurinergic Therapy Corrects the Autism-Like Features in the Poly(IC) Mouse Model

Tomohiro Nakayama*, Nobuaki Iwasaki (Japan)

Department of Pediatrics, Ibaraki Prefectural University of Health and Science, Ibaraki, Japan / The Mitochondrial and Metabolic Disease Center, University of California San Diego School of Medicine, San Diego, USA

O-117 Pathophysiological analysis of mirror movement in a 14-year-old boy with PDD

Masaya Kubota*, Hirohumi Kashii, Hiroshi Terashima, Akiko Shibata, Mariko Yamamoto, Yuu Watanabe (Japan)

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

O-118 The Endoplasmic Reticulum stress induced by ASD candidate gene mutations.

Karin Kojima*, F.Eriko Jimbo, Ayumi Matsumoto, Zhi Liang Yang, Takanori Yamagata, Takashi Momoi, Y.Mariko Momoi (Japan)

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

O-119 A nationwide survey on practical melatonin experiences in children

Michio Fukumizu*, Masaharu Hayashi, Tasuku Miyajima, Asayo Ishizaki, Hajime Tanaka, Jun Kohyama (Japan)

Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan / Japan Childrens' Melatonin Consortium, Osaka, Japan

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O-120 A case of neuroblastoma diagnosed from slowly progressive gait disorder

Kenji Okamoto*, Yuki Shiomi, Hiroko Matsushita, Souzou Okano, Hiroshi Kuroda, Tomoko Iehara (Japan)

The Department of Pediatrics, Kyoto City Hospital, Kyoto, Japan

O-121 Three cases of Opsoclonus myoclonus ataxia syndrome with Ganglioneuroblastoma or Ganglioneuroma

Hitomi Tsuji*, Hisashi Kawawaki, Yuka Hattori, Asako Horino, Megumi Nukui, Ichiro Kuki, Shin Okazaki, Kiyotaka Tomiwa,

Yasuhiro Matsuzaka, Hiroaki Sakamoto (Japan)

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

O-122 The CSF levels of midkine in pediatric patients with neuroepithelial tumor

Kensuke Akiyoshi*, Tomoko Okamoto, So-Ichi Suenobu, Tatsuro Izumi (Japan)

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

O-123 Two cases of cerebral infarction in child

Junichi Yokoyama (Japan)

The Department of pediatrics, Tokai University School of Medicine Oiso Hospital, Kanagawa, Japan

O-124 Prognosis of cerebrovascular accident in children

Mana Kurihara*, Manabu Yoshihashi, Hiroyuki Fujita, Chieko Iino, Toshitaka Kohagizawa (Japan)

Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan

O-125 Rehabilitation to neurological deficit in children with brain tumor

Mana Kurihara*, Manabu Yoshihashi, Hiroyuki Fujita, Chieko Iino, Toshitaka Kohagizawa (Japan)

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O-126 Clinical characteristics and outcome of Moebius syndrome

Kiyoshi Matsui*, Koji Tanoue, Jun Shibaaki, Sumimasa Yamashita, Kennji Kurosawa, Yukiko Kuroda, Atsuko Yamamoto,

Ikuko Oohashi (Japan)

Division of General medicine, Kanagawa Children's Medical Center, Yokohama, Japan / Division of Neonatology, Kanagawa Children's Medical Center, Yokohama, Japan

O-127 Three cases of Macrocephaly-Capillary Malformation

Masashi Ogasawara*, Shinobu Fukumura, Rumiko Takayama, Toshihide Watanabe, Sayaka Katori, Akiko Tsuzuki, Akira Sudo (Japan)

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

O-128 A case of Turner syndrome with ring X chromosome; Genetic mechanisms of intellectual disability

Miki Asahina*, Takuya Hiraide, Hidetoshi Ishigaki, Tomoko Matsubayashi, Tokiko Fukuda, Satoshi Tsurui, Tsutomu Ogata (Japan)

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

O-129 Manifestations of Xp22.2-22.13 and Xp21.3 Microduplications

Masahide Goto*, Ayumi Matsumoto, F. Eriko Jimbo, Masato Mori, Takanori Yamagata (Japan)

Department of Pediatrics, Jichi Medical University, Tochigi, Japan

O-130 A case of hypomyelination and occipitoparietal cystic encephalomalacia with SPTAN1 mutation

Takehiko Inui*, Ryo Sato, Wakaba Endo, Hiroto Saito, Kazuhiro Haginoya (Japan)

Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan

O-131 Study of severity and range deletion in two cases of severe Angelman syndrome

Yuya Takahashi*, Yoshiaki Saitou, Akihiko Ishiyama, Takashi Saitou, Hirohumi Komaki, Eiji Nakagawa, Kenji Sugai,

Masayuki Sasaki, Yusaku Miyamoto, Hitoshi Yamamoto (Japan)

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O-132 Epileptic seizures in Sotos syndrome

Motomasa Suzuki*, Atsuko Ohno, Seiji Mizuno, Kazuya Itomi (Japan)

Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Aichi, Japan

O-133 Epilepsy of infants with trisomy 18 in the neonatal period

Masaharu Tanaka*, Tatsuya Fukasawa, Tetsuo Kubota, Tamiko Negoro (Japan)

Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

- O-134 A 1-month old girl of Dandy Walker syndrome suffering from epileptic spasms
Kentarou Shirai*, Hiroshi Shiraku, Akiko Haibara, Atsuko Yamamoto, Akimitu Watanabe, Masaharu Hayashi (Japan)
Department of Pediatrics, Tsuchiura Kyodo Hospital, Tsuchiura, Japan
- O-135 A case of Chiari type2 malformation with trachiotomy due to breath holding attack
Yuki Anzai*, Tatsuo Ohya (Japan)
Institute of Severely Disabled Children Salvia, Yokohama, Japan
- O-136 Children with Down's syndrome who received early habilitation showed shuffling at lower rate
Kazuyo Saito*, Yukie Watanabe (Japan)
Yokohama Rehabilitation Center, Yokohama, Japan
- O-137 Donepezil effects on the activity of Daily life in a 14-year-old girl with Down syndrome
Haruka Tada*, Yoshiki Oitani, Keiko Suzuki, Satoru Ueda, Ryouji Umedu, Fumiyo Katou, Jyunko Iimura, Sigetaka Sugihara (Japan)
Tokyo Women's Medical University Medical Center East, Tokyo, Japan

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- O-138 Study on the development of joint attention behavior in very low birth weight infants
Noriko Yamaoka*, Erika Kawasaki, Shima Nakatsuka, Tetsuya Takiguchi, Yasushi Nakai, Satoshi Takada (Japan)
Graduate School of Health Sciences, Kobe University, Kobe, Japan / Kobe Tokiwa University, Kobe, Japan
- O-139 The evaluation of the cognitive function in the infancy using the digital examination problem
Yukihiko Konishi*, Tomoko Nishida, Takashi Kusaka, Susumu Itoh (Japan)
Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan / Department of Education for Children with Special Needs, Faculty of Education, Kagawa University
- O-140 Standardizing neuropsychological data for visuospatial difficulties in children
Miho Nakamura*, Yukako Muramatsu, Masahiro Hirai, Naoko Kurahashi (Japan)
Department of Functioning Science, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi, Japan
- O-141 Validity of Comprehensive Assessment of Reading Domains (CARD) 1 -The Subtests and Decoding Skills-
Tomohito Okumura*, Akihiro Kawasaki, Makoto Nakanishi, Tomoko Miura, Mekumi Mizuta, Naoko Kurimoto, Takashi Takeshita, Masaaki Uno, Eiji Wakamiya, Hiroshi Tamai (Japan)
Osaka Medical College, LD Center, Takatsuki, Japan
- O-142 Validity of Comprehensive Assessment of Reading Domains(CARD)2-The Subtests and Vocabulary-
Mekumi Mizuta*, Tomohito Okumura, Akihiro Kawasaki, Makoto Nakanishi, Tomoko Miura, Naoko Kurimoto, Takashi Takeshita, Masaaki Uno, Eiji Wakamiya, Hiroshi Tamai (Japan)
Osaka Medical College, LD Center, Takatsuki, Japan
- O-143 Validity of Comprehensive Assessment of Reading Domains (CARD) 3 -Learning Achievement-
Akihiro Kawasaki*, Tomohito Okumura, Makoto Nakanishi, Yuuko Ogino, Mekumi Mizuta, Eiji Wakamiya, Hiroshi Tamai (Japan)
University of Toyama Faculty of Human Development, Toyama, Japan

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- O-144 Renal dysfunction in patients with Fukuyama congenital muscular dystrophy
Keiko Ishigaki*, Terumi Murakami, Takatoshi Sato, Makoto Funatsuka, Kumiko Ishiguro, Ikuko Kato, Mutsuki Shioda, Kiyonobu Ishizuka, Kayoko Saito, Makiko Osawa (Japan)
Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan
- O-145 Effectiveness of levetiracetam for seizure complicated with Fukuyama congenital muscular dystrophy
Takatoshi Sato*, Keiko Ishigaki, Susumu Ito, Terumi Murakami, Hirokazu Oguni, Kayoko Saito, Makiko Osawa, Satoru Nagata (Japan)
Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan
- O-146 The polysomnographic changes of patients with Duchenne muscular dystrophy after intervention
Yuka Ishikawa*, Yukitoshi Ishikawa, Tomoyuki Aoyagi (Japan)
Department of Pediatrics, National Organization Yakumo hospital, Hokkaido, Japan
- O-147 Steroid treatment and the development of scoliosis in Duchenne muscular dystrophy
Kazuo Kubota*, Akihiko Ishiyama, Hirofumi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-148 A Trial of Sildenafil treatment for patient with Duchenne muscular dystrophy
Toshio Saito*, Akie Kikuchi-Tauro, Yumiko Iwata, Ken-Ichirou Inoshita, Emi Muneshige, Keisuke Kawamura, Tsuyoshi Matsumura, Harutoshi Fujimura, Saburo Sakoda (Japan)
Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan
- O-149 The parathyroid hormone therapy for muscle weakness in muscular dystrophy
Shigemi Kimura (Japan)
Department of Child Development, Kumamoto University Graduate School, Kumamoto, Japan

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- O-150 CINRG Natural History Study shows insufficient diagnosis and treatment of cardiomyopathy in DMD
Reiko Shimizu*, Christopher Spurney, Lauren P Hache, Hanna Kolski, Heather Gordish-Dressman, Paula R Clemens (Japan)
Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan / University of Pittsburgh, Pittsburgh, U.S.A

- O-151 Development of the clinical practice guidelines for Duchenne muscular dystrophy
Tsuyoshi Matsumura*, Hirofumi Komaki, Mitsuru Kawai, Clinical Practice Guidelines The Editorial Committee (Japan)
The Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan
- O-152 The situation of DMD patients and families who were diagnosed earlier than 2 years old
Fumi Takeuchi*, Hirofumi Komaki (Japan)
Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-153 The situation of medical treatment and care for DMD patients and families in Japan
Fumi Takeuchi*, Hirofumi Komaki (Japan)
Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-154 Frequency and characteristics of seizure disorder in dystrophinopathy
Eri Takeshita*, Hirofumi Komaki, Akihiko Ishiyama, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Narihiro Minami (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-155 Social cognition among boys with DMD/BMD
Miyako Matsui*, Haruo Fujino, Naoko Maeda, Manae Funakoshi, Hiroko Ueno, Yui Sakaue, Toshio Saito, Tsuyoshi Matsumura, Osamu Imura (Japan)
Graduate School of Human Sciences, Osaka University, Osaka, Japan

Oral Presentation: Cerebral palsy, severe motor and intellectual disabilities 3

- O-156 What leads hyponatremia in the patients with severe motor and intellectual disability?
Mariko Yagi*, Hiroyuki Imanishi, Tomohiro Usuku, Mio Nishimura, Takashi Mito, Yoko Kawasaki (Japan)
Department of Pediatrics, Nikoniko House Medical and Welfare Center, Kobe, Japan
- O-157 Three cases underwent ITB therapy (intrathecal baclofen therapy) for spasticity of severe CP
Toshihide Watanabe*, Kimio Minagawa (Japan)
Department of Pediatrics, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan
- O-158 Variety of treatment with onabotulinumtoxin A in cerebral palsy
Atsuo Nezu*, Haruhiko Aoyama, Kumiko Karasawa, Kaori Kaneko, Yuri Tikumaru, Makiko Kurosawa, Yuka Masuda, Hitosi Kitakata (Japan)
Yokohama Residential Care and Medical Centre for Developmentally Disabled Person, Yokohama, Japan
- O-159 TRH therapy for 3 infants with a sequela of exanthema subitum-associated AESD
Hidetsugu Nakatsukasa*, Yasushi Ito, Mutsuki Shioda, Yoshiko Hirano, Yohko Yoshikawa, Akiko Takeshita, Kyoko Hirasawa, Hirokazu Oguni, Satoru Nagata (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan
- O-160 Dyslipidemia related to growth hormone deficiency in a post-resuscitation child
Ayako Tanabe*, Hiroko Kure, Chitose Sugiura, Madoka Shiota, Yoshihiro Maegaki (Japan)
Department of Pediatrics, Tottori Prefectural Rehabilitation Center for Children with Disabilities, Yonago, Japan
- O-161 Discontinuation of Phenytoin in epileptic patients with SMID
Kazuya Goto*, Kazuhide Imai (Japan)
Division of Pediatrics, Nishibeppu National Hospital, Beppu, Japan

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- O-162 2 severely disabled cases with valproate-induced Fanconi syndrome during carnitine supplementation
Hiroaki Ono (Japan)
The Departments of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan
- O-163 Clinical features of unilateral spatial neglect in eight children with acquired brain injury
Chitose Sugiura*, Ayako Tanabe, Hiroko Kure, Madoka Shiota (Japan)
Department of Pediatrics, Tottori Prefectural Rehabilitation Center for Children with Disabilities, Yonago, Japan
- O-164 Making of assistive device for handicapped children in general hospital pediatrics
Masao Morita (Japan)
Funabashihutawa hospital, Funabashi, Japan
- O-165 Cooperation with attending doctors in pediatric home medical care
Takuya Kobayashi (Japan)
Nokendai Children Clinic, Yokohama, Japan
- O-166 Usability of information sharing handbook and factor-associated caregiver burden in complex patients
Nobuyuki Yotani*, Yuji Iwasaki, Michio Fukumizu, Naoyuki Tanuma, Sunao Tomita, Sui Sone, Hiroshi Ozawa, Osamu Fukatsu (Japan)
Department of general pediatrics, National Center for Child Health, Tokyo, Japan
- O-167 Transition of adult outpatients with childhood-onset neurological diseases
Keiko Yanagihara*, Hiromi Toshikawa, Yuuichi Kimizu, Sadami Kimura, Tae Ikeda, Yukiko Mogami, Yasuhiro Suzuki (Japan)
Osaka Medical Center and Research Institute For Maternal and Child Health, Izumi, Japan

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- O-168 Short-term efficacy and safety of rufinamide for Lennox-Gastaut syndrome
Rumiko Takayama*, Shinobu Fukumura, Kimio Minagawa, Toshihide Watanabe (Japan)
Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan

O-169 efficacy of rufinamide in the treatment of Lennox-Gastaut syndrome

Shin Okazaki*, Ichirou Kuki, Hisashi Kawawaki, Yuka Hattori, Hitomi Tuji, Asako Horino, Megumi Nukui (Japan)

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

O-170 Efficacy of Rufinamide in patients with refractory epilepsy

Fumika Endoh*, Harumi Yoshinaga, Takushi Inoue, Yumiko Hayashi, Yoshiyuki Hanaoka, Yoshinori Kobayashi, Katsuhiko Kobayashi (Japan)

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

O-171 Experience with Rufinamide in drug resistant epilepsy

Hideshi Kawashima*, Jun Tohyama, Noriyuki Akasaka, Yu Kobayashi, Shinichi Magara, Hiroshi Masuda, Hiroshi Shirozu, Rikuo Sasagawa (Japan)

Department of Pediatric Neurology, Epilepsy Center, Nishi-Niigata Chuo National Hospital, Niigata, Japan

O-172 Effects of levetiracetam in childhood epilepsy with continuous spikes-waves during slow sleep

Kuniaki Iyoda*, Kazunori Ogawa, Kentaro Kuwabara, Susumu Miyake (Japan)

Fukuyama Support Center of Development and Care for Children, Fukuyama, Hiroshima, Japan

O-173 Efficacy of Saikokaryukotsuboreito for Epilepsy in Children, 2nd Report

Eiji Kurihara (Japan)

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

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O-174 Efficacy and safety of levetiracetam in pediatric epilepsy: relation with comedications

Yuko Hirata*, Shin-Ichiro Hamano, Ryuki Matsuura, Kenjiro Kikuchi, Motoyuki Minamitani, Manabu Tanaka, Atsuko Oba, Yuji Kumagai (Japan)

Division of Neurology, Saitama Children's Medical Center, Saitama, Japan / Department of Pediatrics, The Jikei university School of Medicine, Tokyo, Japan

O-175 Safety of Levetiracetam and background in the epilepsy patient

Akiko Fujii*, Mituhiro Matuo, Hiroyuki Moriuchi (Japan)

Nagasaki Prefectural child medical care welfare center, Isahaya, Japan / Nagasaki University, Nagasaki, Japan

O-176 Efficacy of levetiracetam in juvenile myoclonic epilepsy

Yuichi Takami*, Michio Inoue, Eriko Satake (Japan)

Pediatrics, Himeji Red Cross Hospital, Hyogo, Japan

O-177 Study on the combined therapy of levetiracetam and lamotrigine for patients with intractable epilepsy

Yukio Sawaishi*, Miyuki Toyono (Japan)

Akita Prefectural Center on Development and Disability, Akita, Japan

O-178 Comparison study of levetiracetam and lamotrigine on effects for epilepsy treatment

Kazutoshi Nakano (Japan)

Nakano Children's Clinic, Fujimino, Japan

O-179 Examination of background factors of patients who achieved seizure-free by treatment with LTG or LEV

Nobutsune Ishikawa*, Yoshiyuki Kobayashi, Yuji Fujii (Japan)

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O-180 Reflections on the pathophysiology of epileptic spasms through ictal symptomatology and EEG findings

Ryoko Honda*, Yoshiaki Saito, Takashi Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Akihisa Okumura (Japan)

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O-181 A three-year old boy presenting complex partial seizures induced by eye closure and photostimulation

Konomi Shimoda*, Youko Mizuno, Sayaka Ohta, Nagahisa Takahashi, Hiroyuki Iwasaki, Masakazu Mimaki, Masashi Mizuguchi, Akira Oka (Japan)

The Department of Pediatrics, University of Tokyo, Japan

O-182 Frontal absence epilepsy with aggravations of EEG findings induced by the administration of CBZ

Takamasa Kishi*, Yuhji Fujii, Yoshiyuki Kobayashi, Nobutsune Ishikawa (Japan)

Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan

O-183 An analysis of late onset childhood occipital epilepsy by gradient magnetic-field topography

Magara Shin-Ichi*, Hiroshi Shirozu, Hideshi Kawashima, Yu Kobayashi, Noriyuki Akasaka, Jun Tohyama (Japan)

The department of pediatrics, Nishi-Niigata Chuo National Hospital, Niigata, Japan

O-184 Reduced Nav1.1 expression in hippocampal inhibitory neurons can lead to epileptic seizures in mice

Ikuo Ogiwara*, Emi Mazaki, Kazuhiro Yamakawa (Japan)

Laboratory for Neurogenetics, RIKEN Brain Science Institute, Wako, Japan

O-185 Evaluation of steroid pulse therapy for Rasmussen syndrome

Akito Watanabe*, Yukitoshi Takahashi, Kazuki Tsukamoto, Shinsaku Yoshitomi, Tokiko Yamaguchi, Yuki Ueda, Hirosato Nasu, Hideyuki Ohtani, Hiroko Ikeda, Katsumi Imai (Japan)

Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Oral Presentation: Learning disorder, behavioral disorder, child abuse

O-186 The correlation between visual memory and learning skills in children with learning difficulties

Eiji Wakamiya*, Makoto Nakanishi, Tomohito Okumura, Naoko Kurimoto, Mekumi Mizuta, Takashi Takeshita, Tomoko Miura, Mari Hatanaka, Hiroshi Tamai (Japan)

Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University, Ibaraki, Japan

O-187 The Japanese version of the Adult Developmental Co-ordination Disorders/Dyspraxia Checklist

Akio Nakai*, Yoshinori Mitsunashi, Kirby Amanda (Japan)

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

O-188 Treatment for Self-Injurious Behavior: Report from our practice

Ikumi Kimura*, Aki Andou, Naoto Yamaguchi, Hiroya Nishida, Junko Oohinata, Mika Nagase, Naoko Ishikawa, Michiko Kita, Katsutoshi Nakatani, Akira Yoneyama (Japan)

Department of pediatrics, National Rehabilitation Center for Children with Disabilities, Tokyo, Japan

O-189 Development of the Japanese version of Quality of Life in Childhood Epilepsy Questionnaire(QOLCE)

Eri Moriguchi*, Toshisaburo Nagai, Mikiko Ito (Japan)

Department of Pediatric Nursing, Meiji University of Integrative Medicine, Kyoto, Japan/ Developmental Child Health Science, Area of Nursing Sciences, Division of Health Sciences, Osaka University Graduate School of Medicine, Osaka, Japan

O-190 Sharing rules of abuse notification to parents and following their children: trials of our hospital

Reimi Tsurusawa*, Hitomi Hayashi, Noriko Nakamura, Takeshi Kanaumi, Takahito Inoue, Atsushi Ogawa (Japan)

Department of Pediatrics, Chikushi Hospital, Fukuoka University, Fukuoka, Japan

O-191 Children with developmental disorder who do not go to school because of Munchausen Syndrome by Proxy

Yuko Hayashi*, Yukie Tabata (Japan)

Department of Pediatrics, University Medical Center, Faculty Helth and Welfare, Prefectural University of Hiroshima, Mihara, Japan

Oral Presentation: Autism spectrum disorder 2

O-192 The problems associated with feeding among the children with pervasive developmental disorder

Taishi Miyachi (Japan)

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O-193 Intellectual characteristics of autistic children with developmental dyslexia

Jun-Ichi Ito (Japan)

Taiyo-no-Sono Hokkaido habilitation Center for People with Intellectual Disabilities, Date, Japan

O-194 Evaluation of Coordination of Children with Autism Spectrum Disorder, using Japanese version of DCDQ

Yoshifumi Mizuno*, Kei Ohashi, Taishi Miyachi, Tomoko Asai, Masayuki Imaeda, Akio Nakai, Shinji Saito (Japan)
Nagoya City West Medical Center, Nagoya, Japan

O-195 Analysis of PTEN mutations among patients with autism or mental retardation and macrocephaly

Kentaro Shirai*, Kaori Adachi, Kouyou Oono, Akiko Tamasaki, Yoshihiro Maegaki, Eiji Nanba, Kousaku Oono (Japan)

Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, University of Tottori, Yonago, Japan / Department of Pediatrics, Tsuchiura Kyodo Hospital, Tsuchiura, Japan

O-196 Coping behavior and personality of the mother of children with developmental disorders

Kayo Toudou*, Kenji Kihara, Noriko Yamaoka, Satoshi Takada (Japan)

Graduate School of Health Sciences, Kobe University, Kobe, Japan

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O-197 Clinical pictures and efficacy of targeted temperature management in acute encephalopathy

Masahiro Nishiyama*, Tsukasa Tanaka, Kyoko Fujita, Azusa Maruyama, Hiroaki Nagase (Japan)

Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan / Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan

O-198 A pilot study to develop a population study of acute encephalopathy treatment

Kaori Sasaki*, Hiroaki Nagase, Azusa Maruyama, Kyoko Hujita, Masahiro Nishiyama, Tsukasa Tanaka, Yoshiyuki Uetani, Sadayuki Nukina, Toru Takumi, Atsushi Nishiyama (Japan)

Kakogawa east city hospital, Hyogo, Japan

O-199 7 cases of Acute encephalopathy with biphasic seizures and late reduced diffusion

Chizu Oba*, Mituru Kashiwagi, Takuya Tanabe, Shinya Murata, Hiroshi Tamai (Japan)

Hirakata City Hospital, Hirakata, Japan

O-200 Treatment and prognosis of acute encephalopathy with biphasic seizure and late reduced diffusion

Sooyoung Lee*, Hiroyuki Torisu, Yoshito Ishizaki, Masafumi Sanefuji, Michiko Torio, Yasunari Sakai, Tochihiro Hara (Japan)

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

O-201 Clinical study of high dose erythropoietin therapy for AEFCS

Ichiro Kuki*, Hisashi Kawawaki, Shin Okazaki, Hitomi Tsuji, Yuka Hattori, Asako Horino, Megumi Nukui, Kiyotaka Tomiwa, Kiyoko Amo, Masao Togawa (Japan)

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

O-202 Effect of early steroid pulse therapy for prevention of AESD

Takahiro Ikeda*, Takanori Yamagata, Yuko Taniguchi, Akihiko Miyauchi, Tomoyuki Ishii, Masako Nagashima, Yukihumi Monden, Hitoshi Osaka, Hideo Sugie (Japan)

The Department of Pediatrics, Jichi Medical University, Tochigi, Japan

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O-203 Study of patients with acute encephalopathy and encephalitis during 2008 and 2013

Masahiro Ito*, Hisamitsu Tamaki, Sonoko Nakajima (Japan)

Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan

O-204 Clinical analysis of serious and fulminant encephalopathy

Ikumi Hori*, Yutaka Negishi, Ayako Hattori, Naoki Ando , Fumio Hayakawa, Takeshi Tsuji, Tetsuo Kubota, Akihisa Okumura, Jun Natsume, Shinji Saitoh (Japan)

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

O-205 clinical characteristics of influenza associated encephalopathy

Yoshihiro Watanabe*, Hirotaka Motoi, Saoko Takeshita (Japan)

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

O-206 The epidemiology and clinical manifestation in acute encephalopathy in Fukushima

Yukihiko Kawasaki*, Yuichi Suzuki, Asako Kato, Mitsuaki Hosoya (Japan)

Department of Pediatrics, Fukushima Medical University School of Medicine, Fukushima, Japan

O-207 Acute Encephalitis and Encephalopathy surveillance in Kawasaki city

Takako Misaki*, Nobuhiko Okabe (Japan)

*Kawasaki Institute for Public Health, Kawasaki, Japan***Oral Presentation: Acute encephalitis , encephalopathy 6**

O-208 A case of encephalitis with refractory, repetitive partial seizures with 123I-iodozepam (IMZ)- SPECT

Kotoko Suzuki*, Shin-Ichiro Hamano, Mayu Tahara, Kenjiro Kikuchi (Japan)

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

O-209 Augmented intrathecal production of interferon-regulated chemokines in AERRPS

Hiroshi Sakuma*, Naoyuki Tanuma, Ichiro Kuki, Yukitoshi Takahashi, Masashi Shiomi, Masaharu Hayashi (Japan)

Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-210 A case report that levetiracetam administration is effective to control seizure of AERRPS

Atsushi Kato*, Hiroto Akaike, Mina Horiya, Eisuke Kondo (Japan)

Department of pediatrics, Kawasaki Medical School, Okayama, Japan

O-211 Intertheatal effects of dexamethasone treatment of AERRPS

Asako Horino*, Hisasi Kawawaki, Yuka Hattori, Hitomi Tsuji, Megumi Nukui, Ichiro Kuki, Shin Okazaki, Junichi Ishikawa, Kiyoko Amo, Masao Togawa (Japan)

Departments of Pediatric neurology, Osaka City General Hospital, Osaka, Japan

O-212 Two case of acute encephalopathy complicated with hemolytic uremic syndrome

Hirotaka Motoi*, Yoshihiro Watanabe, Saoko Takeshita (Japan)

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

O-213 A 3-year-old girl with Norovirus-associated acute cerebellitis

Takeshi Ono*, Hideshi Kawashima, Kenichi Okazaki, Megumu Tojo, Ryo Suzuki, Shinya Tsukano, Tomohiro Oishi (Japan)

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O-214 Brain MRI at term and neurodevelopmental outcomes at 3 years in extremely low birth weight infants

Meguru Goma*, Yoshinori Katayama, Hideyo Goma (Japan)

Takatsuki General Hospital, Takatsuki, Japan

O-215 Ground reaction force in human crawling

Arito Yozu (Japan)

Department of Cognitive and Locomotor Sciences in the Super-aged Society, University of Tokyo, Tokyo, Japan / The University of Tokyo Hospital, Tokyo, Japan

O-216 Longitudinal trends of Kid-KINDL Questionnaire's scores of children with developmental disorders

Ayumi Seki*, Daisuke Tanaka, Yukiyasu Yaguchi, Hisakazu Yanaka, Tatsuya Koeda (Japan)

Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan

O-217 Neurological prognosis of floppy infants followed after health examinations

Mieko Yoshioka (Japan)

Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged, Kobe, Japan

O-218 Short- and long-term outcome of neurobehavioral development in the infants with gross motor delay

Kanji Yasuda*, Osamu Takahashi (Japan)

*Department of Pediatrics, National Shizuoka Fuji Hospital, Fujinomiya, Japan***Oral Presentation: Development, developmental disorders 2**

O-219 A study of feasibility in developmental cohort study during 10 years

Tatsuya Koeda*, Ayumi Seki, Hitoshi Uchiyama, Daisuke Tanaka, Hisakazu Yanaka, Yukiyasu Yaguchi (Japan)

Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan

O-220 Developmental delay in Ishinomaki

Yasuko Kobayashi*, Akira Onuma, Kiyoshi Omura (Japan)

Sendai Nishitaga National Hospital, Sendai, Japan

- O-221 Development of joint visual attention, verbalizing and object concept in the 2-year-old children
Aki Ando*, Masaya Kubota (Japan)
Department of Pediatrics, National Rehabilitation Center for Children with Disabilities, Tokyo, Japan / Division of Neurology, National Center for Child Health and Development
- O-222 children with soft neurological signs have not increased in elementary school
Hiroyuki Yokoyama (Japan)
School of Nursing, Yamagata University Faculty of Medicine, Yamagata, Japan
- O-223 Chronological trend-analysis in incidence of developmental disorders of children in Nagoya
Hiroko Taniai*, Taishi Miyachi, Tomoko Asai, Masayuki Imaeda, Sigenobu Horie, Satoshi Sumi (Japan)
The Central Care Center for Disabled Children of Nagoya, Nagoya, Japan
- O-224 the point of transition practice and considerations of developmental disorders
Asayo Ishizaki*, Michiko Sugama (Japan)
Oji Clinic Division of Medicine The Japanese Association on Intellectual and Developmental Disorders, Tokyo, Japan

Oral Presentation: Electrophysiology

- O-225 The effects of emotional autonomic responses on cognitive shift during Wisconsin Card Sorting Test
Tetsuo Oyama*, Yusuke Goto, Yoshimi Kaga, Sayaka Ishii, Kakurou Aoyagi, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)
Pediatrics, University of Yamanashi, Yamanashi, Japan / Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Yamanashi, Japan
- O-226 Does EEG integrating amplitude and frequency data help untrained reviewers in emergency recordings?
Katsuhiro Kobayashi*, Kosuke Yunoki, Kazumasa Zensho, Tomoyuki Akiyama, Harumi Yoshinaga (Japan)
Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan
- O-227 The Adequacy of Amplitude-integrated EEG (a-EEG) and Density Spectral Array (DSA) in Pediatric ICU
Hiroyuki Yamamoto*, Hiroyuki Kidokoro, Chikako Ogawa, Yoshiteru Azuma, Naoko Ishihara, Tkaeshi Tsuji, Tetsuo Kubota, Naoki Ando, Akihisa Okumura, Shinji Saito (Japan)
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
- O-228 Study of EEG in children that caused the febrile seizures
Hirotoshi Akaike*, Eisuke Kondo, Mina Horiya, Atsushi Kato (Japan)
The Department of pediatrics, Kawasaki Medical School, Kurashiki, Japan
- O-229 The application of aEEG as "seizure monitoring" to Severe Motor and Intellectual Disabled
Tetsuro Nagasawa*, Naho Saito, Wakana Furushima, Yumi Okoshi, Sou Atsumi, Naoyuki Tanuma, Satoshi Komine, Michio Fukumizu (Japan)
Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan
- O-230 Pure motor type Guillain-Barre syndrome with hyperreflexia
Masaharu Ohfu*, Misaki Sugai, Masato Hiyane, Tsuyoshi Matsuoka (Japan)
Division of Child Neurology, Okinawa prefectural Nanbu Medical Center; Children's Medical Center, Okinawa, Japan

Oral Presentation: Neuromuscular disorders 5

- O-231 Mutation screening of nemaline myopathy using next generation sequencer
Yukiko Hayashi*, Ikuya Nonaka, Ichizo Nishino (Japan)
Department of Neurophysiology, Tokyo Medical University, Tokyo, Japan / Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan
- O-232 Optimization of Antisense therapy for Fukuyama-type congenital muscular dystrophy
Mariko Ikeda*, Kazuhiro Kobayashi, Youhei Satou, Tatsushi Wakayama, Hirofumi Masuda, Yasuhiro Takeshima, Kazumoto Iijima, Tatsushi Toda (Japan)
Department of Pediatrics, Kobe University, Kobe Japan / Department of Neurology Molecular Brain Science, Hyogo, Japan
- O-233 Patient-derived iPSC cell library for genetic muscular disorders
Tomonari Awaya*, Takeshi Yoshida, Takeo Kato, Toshio Heike (Japan)
Department of Pediatrics, Kyoto University Hospital, Kyoto, Japan
- O-234 A girl with generalized myasthenia gravis successfully treated with tacrolimus following thymectomy.
Aya Iwata*, Hiroyuki Nigami (Japan)
The Department of Pediatrics, Nishikobe Medical Center, Kobe, Japan
- O-235 FGF21 is a novel biomarker for muscle-related mitochondrial diseases
Shuichi Yatsuga*, Yasutoshi Koga (Japan)
Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Fukuoka, Japan
- O-236 Tube feeding improved superior mesenteric artery syndrome in a Duchenne muscular dystrophy patient
Fumihito Nozaki*, Annri Hayashi, Mioko Mori, Ikuko Hiejima, Tomohiro Kumada, Minoru Shibata, Tastuya Fujii (Japan)
The department of pediatrics, Shiga Medical Center for Children, Shiga, Japan

Oral Presentation: Infectious, immunological diseases 2

- O-237 Long term follow-up of pediatric neuromyelitis optica
Rie Suzuki*, Masami Tanaka, Keiko Tanaka, Kaori Irahara, Souichi Mukaida, Kazuhiro Shiraishi (Japan)
Department of Child Neurology, National Hospital Organization Utano Hospital, Kyoto, Japan

- O-238 Anti-myelin oligodendrocyte glycoprotein antibodies by cell-based assay
Masami Tanaka*, Rie Suzuki, Kazuhiro Siraishi, Keiko Tanaka (Japan)
Multiple Sclerosis Center, NHO Utano National Hospital, Kyoto, Japan
- O-239 Leucin-rich alpha-2-glycoprotein values in cerebrospinal fluid of pediatric neurological diseases.
Pinfee Chong*, Yasunari Sakai, Masaru Matsukura, Kohei Haraguchi, Reina Ogata, Toshiro Hara, Ryutaro Kira (Japan)
Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan
- O-240 LRBA gene mutation in a family with CNS demyelinating disease
Asako Arai*, Fumiyo Katoh, Syougo Hoshika, Keiko Suzuki, Satoru Ueda, Ryoji Umezu, Tatsuhiko Tsunoda, Michiaki Kubo, Noriko Mitsuiki, Kohsuke Imai (Japan)
Tokyo Women's Medical University Medical Center East, Tokyo, Japan
- O-241 Survey 2012 of Subacute Sclerosing Panencephalitis in Japan
Yukiko Nakamura*, Hideo Aiba, Yasuhiro Suzuki, Harumi Yoshinaga, Akira Oka (Japan)
Department of Pediatrics, Kyorin University, Tokyo, Japan
- O-242 CSF and serum levels of microtubule-associated protein 2 in subacute sclerosing panencephalitis
Takeshi Matsushige*, Hirofumi Inoue, Madoka Kajimoto, Momoko Oka, Hiroshi Momonaka, Shunji Hasegawa (Japan)
Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

Oral Presentation: Infectious, immunological diseases, neurodegenerative disorders

- O-243 Diagnosis of congenital cytomegalovirus infection using preserved umbilical cord
Hirokazu Kurahashi*, Shunsuke Ohgaya, Naoko Kurahashi, Ayako Umemura, Keitaro Yamada, Koichi Maruyama, Kosaburo Aso, Yoshinori Ito (Japan)
Department of Pediatrics, Aichi Aitori Habilitation Center for Challenged, Nagoya, Japan / Aichi Prefectural Colony Central Hospital, Kasugai, Japan
- O-244 Characteristic clinical features of congenital cytomegalovirus infection diagnosed by umbilical cord
Mitsugu Uematsu*, Atsuo Kikuchi, Tojo Nakayama, Naomi Fukuyo, Kazuhiro Haginoya, Shigeo Kure (Japan)
Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan
- O-245 Hashimoto's encephalopathy presenting with vertigo and muscle weakness in a young boy.
Hiroe Ueno*, Chizuru Nishizato, Hiziri Watanabe, Tomoyuki Shimazu, Tomoyuki Mizukami, Hiroshi Kosuge, Shiro Ozasa, Keiko Nomura, Shigemi Kimura, Yukitoshi Takahashi (Japan)
The Department of Pediatrics, National Hospital Organization, Kumamoto Saisyunsou Hospital, Kumamoto, Japan
- O-246 Expanded phenotypic spectrum of ATL1 mutations: a severe case associated with p.Gly409Asp mutation
Takahiro Yonekawa*, Yasushi Oya, Kenji Sugai, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Department of Neuromuscular research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-247 Pelizaeus-Merzbacher-like disease: Novel GJC2 promoter mutation and molecular pathology
Ken Inoue*, Leo Gotoh, Guy Helman, Sara Mora, Kiran Maski, Janet S. Soul, Miriam Bloom, Sarah H Evans, Yu-Ichi Goto, Ljubica Caldovic (Japan)
Dept. Mental Retardation & Birth Defect Research, National Institute of Neuroscience, NCNP, Tokyo, Japan

Oral Presentation: Epilepsy, seizures 9

- O-248 Evaluation of hypothalamo-pituitary-adrenocortical function after ACTH therapy on epileptic spasms
Yuri Sakaguchi*, Tomohide Goto, Yoji Ikuta, Hiromi Arai, Sunao Tomita, Sahoko Miyama (Japan)
Division of neurology, Tokyo metropolitan children's medical center, Tokyo, Japan
- O-249 Two Cases of Benign Myoclonus of Early Infancy with Developmental Delay and Autistic Symptoms
Hiromitsu Toshikawa*, Tomokazu Kimizu, Sadami Kimura, Tae Ikeda, Yukiko Mogami, Keiko Yanagihara, Yasuhiro Suzuki (Japan)
Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan
- O-250 5 cases with syndrome of eyelid myoclonias with absence (EMA)
Yoshiko Hirano*, Hirokazu Oguni, Aiko Nishikawa, Mutsuki Shioda, Satoru Nagata (Japan)
Department of pediatrics, Tokyo Women's Medical University, Tokyo, Japan
- O-251 A case of Late-onset Lennox-Gastaut syndrome with autoantibody to glutamate receptor
Yuji Fujii*, Yoshiyuki Kobayashi, Nobutune Ishikawa, Yukitoshi Takahashi (Japan)
Department of Pediatrics, Hiroshima University, Hiroshima, Japan
- O-252 Enuresis associated with valproate sodium in children with epilepsy
Hideaki Kanemura*, Fumikazu Sano, Tetsuo Ohyama, Kanji Sugita, Masao Aihara (Japan)
Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- O-253 The sequential EEG study on DEND syndrome treated with sulphonylureas and ketogenic diet
Masataka Fukuoka*, Hisashi Kawawaki, Ichirou Kuki, Hitomi Tuji, Yuka Hattori, Asako Horino, Megumi Nukui, Shin Okazaki, Rie Kawakita, Yuki Hosokawa (Japan)
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

Oral Presentation: Epilepsy, seizures 10

- O-254 Two cases that presented convulsions with a burn at existence heat
Yosuke Hosokawa*, Fumio Hayakawa, Takeshi Tsuji, Toru Katou (Japan)
Okazaki city hospital, Okazaki, Japan

- O-255 Clinical characteristic of child epilepsy followed at the primary care hospital
Kiyotaka Murakami (Japan)
Nakano Children's Hospital, Osaka, Japan
- O-256 Study of characteristic about infantile epilepsy in our hospital
Shinpei Abe*, Akihisa Okumura, Ayuko Igarashi, Mitsuru Ikeno, Toshiaki Shimizu (Japan)
The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan
- O-257 Etiology and outcome in status epilepticus in childhood
Kenjiro Kikuchi*, Shin-Ichiro Hamano, Erika Hiwatari, Yuko Hirata, Atsuko Oba, Yuji Kumagai, Manabu Tanaka, Motoyuki Minamitani, Hiroyuki Ida (Japan)
Division of Neurology, Saitama Children's Medical Center, Saitama, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan
- O-258 Attitude concerning epilepsy of clinical psychologists and psychological students
Yuri Narita*, Shin-Ichiro Hamano, Motoyuki Minamitani, Manabu Tanaka, Kenjiro Kikuchi, Mai Kuroda, Yuko Hirata, Atsuko Oba, Yuji Kumagai (Japan)
Division of Psychology, Center for Health and Development, Saitama Children's Medical Center, Saitama, Japan
- O-259 The parent's recognition of epilepsy therapy for children in the transition into adulthood
Mitsuru Kashiwagi*, Hiroshi Arai, Hidenori Imaishi, Risa Uno, Ichiro Kuki, Syuichi Shimakawa, Tetsuzo Tagawa, Takuya Tanabe, Yasuhisa Toribe, Toshisaburo Nagai (Japan)
Department of Pediatrics, Hirakata City Hospital, Hirakata, Japan

Oral Presentation: Metabolic disorders 3

- O-260 The initial symptoms of Wilson disease patients with neurological abnormalities
Norikazu Shimizu*, Shoko Nakazawa, Hiroe Konishi, Tsugutoshi Aoki (Japan)
The Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo, Japan
- O-261 A neonate of Menkes disease diagnosed by recurrent bone fracture
Satoru Kobayashi*, Yuka Ashikari, Yoshihumi Mizuno, Kyoko Yokoi, Tetsuya Ito, Hiroko Kodama (Japan)
Department of Pediatrics, Nagoya City West Medical Center, Nagoya, Japan
- O-262 Treatable Cerebellar Ataxia: Two Siblings of Cerebral Folate Transport Deficiency
Yu Tsuyusaki*, Mizue Iai, Rie Anzai, Mutsumi Sato, Mariko Takagi, Mitsuko Okuda, Kyoko Takano, Hitoshi Osaka, Sumimasa Yamashita, Hirotomo Saitsu (Japan)
The Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
- O-263 The clinical pathogenesis of porphyria in 3 patients with severely handicapped
Kyoko Kiyota*, Miki Shimizu, Chika Goto, Tatsuro Izumi (Japan)
Pediatrics, University of Oita, Yufu, Japan / Pediatrics, Beppu developmental medicine and rehabilitation center, Beppu, Japan
- O-264 Cord blood transplantation for adrenoleukodystrophy at advanced and early stage
Yurika Numata*, Tomoko Kobayashi, Mitsugu Uematsu, Osamu Sakamoto, Mieko Hirose, Naomi Fukuyo, Toujou Nakayama, Yuko Sato, Shigeo Kure (Japan)
The Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan
- O-265 Clinical analysis of 6 cases of Adrenoleukodystrophy
Akihiko Miyachi*, Yukifumi Monden, Takahiro Ikeda, Yuta Kawahara, Masako Nagashima, Hitoshi Osaka, Hideo Sugie, Akira Morimoto, Hiroshi Watanabe, Hideo Shimoizumi (Japan)
Department of Pediatrics, Jichi Medical University, Tochigi, Japan

Oral Presentation: Attention Deficit Hyperactivity Disorder

- O-266 Neuropsychological test before and after Summer treatment program for children with ADHD
Kotaro Yuge*, Takashi Ohya, Akiko Iemura, Shinichiro Nagamitsu, Chiyomi Egami, Yushiro Yamashita, Toyojiro Matsuishi (Japan)
Department of Pediatrics and Child Health Kurume University School of Medicine, Kurume, Japan
- O-267 Japanese Impairment Rating Scale (IRS): Investigation for the ADHD children in this department
Ryoko Otani*, Rie Kanaya, Takeshi Inoue, Keiichi Shimamura, Ryoichi Sakuta (Japan)
Dokkyo Medical University Koshigaya Hospital Center for Child Development and Psychosomatic Medicine, Saitama, Japan
- O-268 Clinical effects of simultaneously treatment to both parents and children with ADHD
Naomitsu Suzuki (Japan)
Department of Pediatrics, Tsukuba Clinic for Mental Sick Children & Adolescents, Tsukuba, Japan
- O-269 Function of the frontal lobe in AD/HD: a NIRS study
Kenji Mori*, Hiromichi Ito, Yoshihiro Toda, Masahito Miyazaki, Hiroko Hashimoto, Hiroe Tani, Shoji Kagami (Japan)
Department of Child Health & Nursing, The University of Tokushima Graduate School, Tokushima, Japan
- O-270 Inhibitory dysfunction of frontal lobe in AD/HD -NIRS study-
Hiromichi Ito*, Kenji Mori, Yoshihiro Toda, Masahito Miyazaki, Shoji Kagami (Japan)
Department of Pediatrics, University of Tokushima, Tokushima, Japan
- O-271 Drug therapy for ADHD- Investigation of low dose use of Atomoxetine
Michiko Sugama*, Asayo Ishizaki (Japan)
Oji Clinic: Division of Medicine, The Japanese Association on Intellectual and Developmental Disorders, Tokyo, Japan

Oral Presentation: Involuntary movement, basal ganglia

- O-272 A case of ocular flutter like abnormal eye movement treated with clonazepam
Mayu Tahara*, Kotoko Suzuki, Shin-Ichiro Hamano (Japan)
The Jikei University School of Medicine, Tokyo, Japan / The Department of Neurology, Saitama Children's Medical Center, Saitama, Japan
- O-273 Gabapentin is effective for choreoathetosis with GNAO1 mutation: a case report
Mariko Takagi*, Mutsumi Satou, Rie Anzai, Mitsuko Okuda, Yu Tsuyusaki, Kyouko Takano, Mizue Iai, Kazuyuki Nakamura, Hiroto Saitsu, Hitoshi Osaka (Japan)
Division of Pediatric Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
- O-274 The case of Paroxysmal Kinesigenic Choreoathetosis with autism
Hiroshi Ideguchi*, Yukiko Ihara, Yuko Tomonou, Takako Fujita, Sawa Yasumoto, Shinichi Hirose (Japan)
Department of Pediatrics, Faculty of Medicine, Fukuoka University, Fukuoka, Japan
- O-275 Pathophysiology of dystonia with onset in childhood
Kazue Kimura*, Yuri Nagao, Masaharu Hayashi, Kei Hachimori, Yoshiko Nomura, Masaya Segawa (Japan)
Segawa Neurological Clinic for Children, Tokyo, Japan
- O-276 Clinical application of Repetitive Transcranial Magnetic Stimulation for Tourette Syndrome
Kosuke Otsuka*, Kazuyori Yagyu, Naoko Asahina, Shinobu Kohsaka, Hideaki Shiraiishi (Japan)
Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Japan
- O-277 The severe disabilities case of marked involuntary movement after pneumonia with hypoxia
Noriko Sawaura*, Keiko Tomita, Kazuhiro Muramatsu, Hirokazu Arakawa (Japan)
Department of Pediatrics Gunma University Graduate school of Medicine, Gunma, Japan

Oral Presentation: Morphology, headache, Neurosurgery

- O-278 Development of the human lateral geniculate nucleus: A morphological study
Katsuyuki Yamaguchi (Japan)
Department of Pathology, Dokkyo University School of Medicine, Tochigi, Japan / Department of Pediatrics, Southern Tohoku General Hospital, Fukushima, Japan
- O-279 Pathological findings of unidentified bright objects in neurofibromatosis type 1
Nobuaki Iwasaki*, Masaharu Hayashi, Ryuta Tanaka, Tatsuyuki Ohto, Tomohiro Nakayama, Junko Nakayama (Japan)
Department of Pediatrics, Ibaraki Prefectural University of Health Science, Inashiki, Ibaraki, Japan
- O-280 Clinical features of the children with chronic headache associated with orthostatic dysregulation
Manabu Tanaka*, Shin-Ichiro Hamano, Kenjiro Kikuchi, Motoyuki Minamitani, Atsuko Ooba, Yuuko Hirata, Yuuji Kumagai (Japan)
Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- O-281 Efficacy of Hangebyakujutsutemmato for chronic headache in children
Shumpei Uchino*, Ikuko Shirai, Ai Hoshino, Yasuo Hachiya, Satoko Kumada, Eiji Kurihara (Japan)
The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- O-282 Dysphagia in children with medullary dysfunction
Nozomi Sano*, Chihiro Yonee, Yasuo Aihara, Shingo Fujio, Kazunori Arita (Japan)
Department of Pediatrics, NHO Minami Kyushu Hospital, Aira, Japan

Oral Presentation: Developmental disorder, conductive education and support 1

- O-283 Trial of the ABA early intervention of the autistic spectrum disorder in the nursery school
Keiko Maeda*, Keitaro Sueda, Sachiyo Hayakawa, Izumi Hara, Junnichi Yamamoto, Atsuko Matsuzaki (Japan)
The Department of Neuropediatrics, Shizuoka Iryou Fukushi Center, Shizuoka, Japan / Shizuoka hattatsu Syougaisya Shien Center, Shizuoka, Japan
- O-284 Investigation of Scissors Training Using Visual Cue in Children with Autism Spectrum Disorders
Taro Ohtoshi*, Satoshi Takada, Chihiro Igarashi, Hiroyo Katayama, Miwa Ohtoshi, Toshiaki Muraki (Japan)
Kansai University of Welfare Sciences, Division of Occupational Therapy, Osaka, Japan / Kobe University School of Medicine, Faculty of Health Sciences, Kobe, Japan
- O-285 Support for Parents of Children with Developmental Disabilities Based on 23 Mothers' Experiences
Tomoka Kobayashi*, Masumi Inagaki, Kouta Suzuki, Karin Moriyama, Makiko Kaga (Japan)
Department of Pediatrics, Tokyo Yamate Medical Center, Tokyo, Japan / Department of Developmental Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-286 Follow up Children with Developmental Disorder Treated Sensory Integration Therapy before Age of Six
Keiko Wada*, Shuji Matsui, Yumiko Ohno, Tomohiko Hasegawa, Setsuko Kinoshita, Takako Tamura, Yukiko Nanba, Michiko Makino, Mitsunobu Matsuda, Keiko Akahoshi (Japan)
Department of Pediatrics, Tokyo Childrens Rehabilitation Hospital, Tokyo, Japan
- O-287 Comparison with method of live report in behavior and applause of Autistic Spectrum Disorder
Hiroshi Ozawa*, Yoshiko Nomura, Kaoru Amemiya, Koichi Aizaki, Yuri Ozawa, Yuki Inoue (Japan)
Department of childneurology, Shimada-Ryoiku Center Hachioji, Tokyo, Japan
- O-288 Multidisciplinary support of attention deficit/ hyperactivity disorder in our center
Kakurou Aoyagi*, Kazuo Hatakeyama, Sayaka Ishii, Tomoko Tandou, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)
Yamanashi prefectural Akebono medical welfare center, Nirasaki, Japan / Department of pediatrics, faculty of medicine, university of Yamanashi, Chuo, Japan

Poster Presentation: Malformations, chromosomal abnormalitie 1

P-001 Three cases of Galloway Mowat syndrome

Atsuko Yamamoto*, Hiroshi Shiraku, Kentaro Shirai, Akiko Haibara, Akimitsu Watanabe, Koji Takahashi, Ayako Kashimada, Yuji Sugawara (Japan)

The Department of Pediatric, Tsuchiura Kyodo General Hospital, Ibaraki, Japan

P-002 Expressive language disorder suffering from Hirschsprung's disease and glomerulosclerosis

Kanakano Maiduru*, Takako Matsumoto, Toshiro Maihara (Japan)

Hyogo Prefectural Tsukaguchi Hospital, Amagasaki, Japan

P-003 Clinical features of epileptic apnea in trisomy 18.

Satoshi Takenaka*, Atsushi Sato, Hiromichi Ariga, Yu Kakimoto, Yoshiyuki Namai, Nagahisa Takahashi, Sayaka Ohta, Youko Mizuno, Konomi Shimoda, Hiroyuki Iwasaki (Japan)

Department of Pediatrics, Ohta General Hospital Foundation, Ohta Nishinouchi Hospital, Koriyama, Japan

P-004 A case report of Enlarged parietal foramina

Kosuke Kohashi*, Tomohiko Tsuru, Masato Mori, Keiko Okumura (Japan)

The department of Pediatrics, Kamogawa Municipal Hospital, Chiba, Japan / Matsudo City Hospital Pediatric Medical Centre, Chiba, Japan

P-005 A case of Pontine Tegmental Cap Dysplasia with comorbidity of Goldenhar syndrome

Kohei Haraguchi*, Pin Fee Chong, Masaru Matsukura, Reina Ogata, Ryuutaro Kira (Japan)

*Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan***Poster Presentation: Malformations, chromosomal abnormalitie 2**

P-006 Jacobsen syndrome with white matter disorder

Osamu Kawano*, Sachiko Sakai, Kimiaki Uetake (Japan)

Department of Pediatrics, Obihiro Khosei Hospital, Obihiro, Japan

P-007 A case of G&acute;mez-L&acute;pez-Hern&acute;ndez syndrome

Yu Kobayashi*, Hideshi Kawashima, Shinichi Magara, Noriyuki Akasaka, Jun Tohyama (Japan)

Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan

P-008 A case of linear sebaceous nevus syndrome with west syndrome, creating VP shunt due to hydrocephalus

Nagahisa Takahashi*, Sayaka Ota, Yoko Mizuno, Konomi Shimoda, Hiroyuki Iwasaki, Masakazu Mimaki, Masashi Mizuguchi, Akira Oka (Japan)

Department of Pediatrics, University of Tokyo, Tokyo, Japan

P-009 A 16q12.2-21 microdeletion in a boy with psychomotor delay and focal epilepsy

Sawako Yamazaki*, Kanju Ikeno, Jun Tohyama, Keiko Shimojima, Toshiyuki Yamamoto (Japan)

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

P-010 A case of Pitt-Hopkins syndrome with Rett-like phenotype

Toshino Motojima*, Hirofumi Ohashi, Katsunori Fujii (Japan)

*The Department of Pediatrics, Motojima General Hospital, Gunma, Japan***Poster Presentation: Malformations, chromosomal abnormalitie 3**

P-011 The EZH2 sequence and an array-CGH study for a 8-year-old girl with Weaver syndrome

Yasunari Sakai*, Kenji Ihara, Yoshito Ishizaki, Masafumi Sanefuji, Yuki Matsushita, Toshiro Hara (Japan)

Department of Pediatrics, Kyushu University Hospital, Fukuoka, Japan

P-012 Two patients with 10p deletions

Sayaka Ohta*, Yoko Mizuno, Konomi Shimoda, Nagahisa Takahashi, Hiroyuki Iwasaki, Masakazu Mimaki, Akira Oka, Masashi Mizuguchi (Japan)

Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan

P-013 The case of disorders of sex development with pontocerebellar hypoplasia

Tomomi Ogata*, Kazuhiro Muramatsu, Noriko Sawaura, Kyoko Hazama, Nishiki Makioka, Keiko Tomita, Toshino Motojima, Hirokazu Arakawa (Japan)

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

P-014 Acute Necrotizing Encephalopathy with Microcephalic Osteodysplastic Primordial Dwarfism type I

Noriko Togashi*, Yoshitsugu Oikawa, Syuuei Watanabe (Japan)

*The Department of Neurology, Miyagi Children's Hospital, Sendai, Japan***Poster Presentation: Peripheral neuropathy**

P-015 Novel mutations in the SH3TC2 gene in a Japanese young girl with Charcot-Marie-Tooth disease type 4C

Kazushi Ichikawa*, Keita Numasawa (Japan)

Odawara Municipal Hospital, Odawara, Japan

P-016 A fulminant case of childhood Guillain-Barré syndrome required mechanical ventilation on day2

Kenichi Takeshita*, Atsuko Takagi, Hiromi Mizuochi, Hideki Uchikawa, Sonoko Misawa, Kenji Ikeda, Katsunori Fujii (Japan)

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

P-017 Internal ophthalmoplegia in pediatric Fisher syndrome

Yukiko Iida*, Hiromi Mizuochi, Hideki Uchikawa, Katsunori Fujii (Japan)

Chiba Higashi Hospital, Chiba, Japan

P-018 Availability of measuring motor function in patients with CIDP

Hijiri Watanabe*, Chiduru Nishizato, Tonoyuki Shimadu, Hiroe Ueno, Hirofumi Komaki (Japan)

Kumamoto Saishunso National Hospital, Kumamoto, Japan

P-019 Effective FK506 add-on therapy for refractory chronic inflammatory demyelinating polyneuropathy

Tomonari Awaya*, Minako Ide, Keiko Saito, Takeshi Yoshida, Takeo Kato (Japan)

Department of Pediatrics, Kyoto University Hospital, Kyoto, Japan

Poster Presentation: Attention Deficit Hyperactivity Disorder 1

P-020 Characteristics of male children with AD/HD and/or according to age groups

Teruko Morooka*, Yoko Kado, Akihito Takeuchi, Kaoru Hanafusa, Makio Oka, Tatsuya Ogino, Harumi Yoshinaga, Katsuhiko Kobayashi (Japan)

Okayama University Hospital, Division Medical Support, Okayama, Japan

P-021 Assessment of visuo-spatial working memory in children with ADHD thorough ATMT for children

Akira Yasumura*, Naomi Kokubo, Junichi Takahashi, Ayako Fukuda, Sadao Nakamura, Eiji Nakagawa, Masumi Inagaki (Japan)

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P-022 The developmental changes of response to variability in children with AD/HD

Yasuko Tsushima*, Satoshi Sanada, Masafumi Yanagihara, Shigeru Ohno, Makio Oka, Tatsuya Ogino (Japan)

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P-023 Developmental [oxyHb] changes of frontal lobe during verbal fluency task in children with AD/HD

Tomoko Tando*, Yosimi Kaga, Sayaka Isii, Kakuro Aoyagi, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)

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P-024 Role of apolipoprotein E isofom in infants of AD/HD

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Poster Presentation: Attention Deficit Hyperactivity Disorder 2

P-025 The effects of cognitive training by using computerized software for working memory in ADHD/ADD

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P-026 Responsiveness of QCD in Japanese children with ADHD in clinical practice

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P-027 Examination of the medical treatment effect of the ADHD using WISC-III

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P-028 Clinical characteristics about long-term administration of atomoxetine

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P-029 PK profile and palatability of Atomoxetine oral solution in healthy Japanese adults

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Poster Presentation: Assessment for developmental disorders

P-030 Developmental changes in the scores of Word Fluency Test and Trail Making Test

Kousuke Nakano*, Tatsuya Ogino, Kiyoko Watanabe, Makio Oka, Yoko Ohtsuka (Japan)

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P-031 Correlation between executive function and intelligence test in children with developmental disorder

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P-032 Regional brain activation during the self-face recognition in pediatric eating disorders

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P-033 Evaluation of TPN treatment efficacy in adolescent patients with severe eating disorder

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P-034 A nonnattending girl could go to school with help of mother's helper and psychologist of city

Hiroshi Ozawa*, Yoshiko Nomura, Kaoru Amemiya, Koichi Aizaki, Yuri Ozawa, Yuki Inoue (Japan)

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P-035 Strategy of Psychiatric Intervention after the Great East Japan Earthquake

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Poster Presentation: Child abuse

P-036 Severe chromosome anomaly judged the medical neglect for parents' hoping to disrupt tube feeding

Keitaro Yamada*, Seiji Mizuno, Shunsuke Ogaya, Naoko Kurahashi, Ayako Umemura, Koichi Maruyama (Japan)

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P-037 Two imaging studies of abused head trauma with contusional tear

Kuniko Ida*, Kazuhiro Muramatu, Noriko Sawaura, Miyuki Kouno, Hirokazu Arakawa (Japan)

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P-038 The association between severity of retinal hemorrhage and neurological prognosis

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Poster Presentation: Developmental disorders 1

P-039 Examination of walk development with the age of children with disability whom prescribed insoles.

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P-040 Neural network mechanism for siblings with developmental disorders using nonlinear analytic methods

Masao Kawatani*, Tetsuya Takahashi, Genrei Ohta, Hiroshi Kometani, Yusei Ohshima, Akemi Tomoda, Michio Hiratani (Japan)

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P-041 Three infant follow-up cases considered higher brain dysfunction

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P-042 Cases of intelligence test for INAS-FID registration

Hisako Yamamoto*, Yusaku Miyamoto, Miho Adachi, Masaaki Ikoma, Masumi Inagaki, Hitoshi Yamamoto (Japan)

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Poster Presentation: Developmental disorders 2

P-043 Evaluation of children with developmental disorders using Questionnaire-Children with difficulties

Akiko Araki*, Akie Okayama, Shijo Yamamoto, Satoru Takahashi, Hiroshi Azuma (Japan)

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P-044 Factors of school maladjustment of children with developmental disabilities

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P-045 The effect of reading training for developmental dyslexia

Hideyo Kinugasa*, Emiko Nakayama, Naoko Iijima, Seiko Shinozaki, Keisuke Yonedu (Japan)

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P-046 A survey of doctors in department of education about supports for person with disabilities

Hideyo Goma (Japan)

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P-047 A research on actual situation of utilization of personal computer and cellular phone

Nobuko Sugiura*, Hiroshi Ozawa, Kouichi Aizaki, Kaoru Amemiya, Yuki Inoue, Yuri Ozawa, Yoshiko Nomura, Satoshi Kimiya (Japan)

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Poster Presentation: Myopathy 1

P-048 Severe infantile form of congenital myopathy with cortical dysplasia and hypertrophic cardiomyopathy

Seito Hisamatsu*, George Imataka, Shoko Saitoh, Yoshiyuki Watabe, Hiroshi Suzumura, Shigeko Kuwajima, Nobuyuki Murakami,

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P-049 Characteristics of selectivity pattern of the lower limb skeletal muscle image in nemaline myopathy

Mariko Okubo*, Akihiko Ishiyama, Hirofumi Komaki, Takashi Saitou, Yoshiaki Saitou, Eiji Nakagawa, Kenji Sugai, Yukiko Hayashi,

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P-050 Nemaline myopathy with hypertrophic cardiomyopathy associated with an ACTA1 mutation

Ayaka Koide*, Hirofumi Komaki, Ichizo Nishino, Yukiko Hayashi, Masaya Kubota (Japan)

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P-051 Skeletal muscle MRI in patients with X-linked myotubular myopathy who acquired independent gait
Minobu Shichiji*, Keiko Ishigaki, Terumi Murakami, Takatoshi Satou, Sachiko Kajino, Makiko Oosawa, Satoru Nagata, Kayoko Saitou (Japan)

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Poster Presentation: Myopathy 2

P-052 Central tegmental tract lesion in a 4 year boy with centronuclear myopathy
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P-053 A family case of centronuclear myopathy due to new mutation of Ryanodine receptor 1 gene.

Tatsuharu Sato*, Kouhei Haraguchi, Takuya Hayashida, Hiroyuki Moriuchi, Yukiko Hayashi, Ichizo Nishino (Japan)

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P-054 A family case of Andersen-Tawil syndrome with muscle weakness.

Hidee Arai*, Shin Nabatame, Hirofumi Komaki, Ichizo Nishino, Yasushi Oya, Sakoda Shun-Ichi (Japan)

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P-055 A Carbamazepine Responsive Child Case of Myotonia Congenita

Syoko Yamauchi*, Yuji Inaba, Mituo Motobayashi, Taemi Niimi, Naoko Shiba, Takafumi Nisimura, Tetuhiro Fukuyama (Japan)

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P-056 RAPSN mutations in a patient with congenital myasthenic Syndrome

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Poster Presentation: Epilepsy, seizures 1

P-057 Levetiracetam for 4p- syndrome: report of three cases

Yuji Sugawara*, Mamiko Hotate, Kouji Takahashi, Ayako Kashimada, Setsuko Kaneko, Shinpei Baba, Kengo Moriyama, Keisuke Nakajima, Satoshi Araki (Japan)

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P-058 A case of trisomy18 in 6-year-old with epileptic spasms treated by ketogenic diet

Ayako Kashimada*, Kouji Takahashi, Mamiko Hotate, Setsuko Kaneko, Tomonori Suzuki, Naoto Hirayanagi, Masayuki Shimohira, Yuji Sugawara (Japan)

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P-059 Electroclinical features of Ring chromosome 20 epilepsy syndrome in children

Hiroko Ikeda*, Katsumi Imai, Hitoshi Ikeda, Yuki Ueda, Hideyuki Otani, Hideo Shigematsu, Kazuki Tsukamoto, Hirosato Nasu, Kaito Yamaguchi, Sinsaku Yoshitomi (Japan)

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P-060 A retrospective study of Epilepsy in children with Down syndrome

Sadami Kimura*, Hiromitsu Toshikawa, Tomokazu Kimizu, Tae Ikeda, Yukiko Mogami, Keiko Yanagihara, Nobuhiko Okamoto, Yasuhiro Suzuki (Japan)

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P-061 Effectiveness of ACTH therapy for the psychomotor development in 2 patients with Aicardi syndrome

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Poster Presentation: Epilepsy, seizures 2

P-062 A case of epileptic encephalopathy with SCN1A mutation

Mika Takeshita*, Gaku Yamanaka, Shinichiro Morichi, Yu Ishida, Shingo Oana, Tasuku Miyajima, Hisashi Kawashima, Hirotomo Saito, Mitsuhiro Kato (Japan)

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P-063 A case of malignant migrating partial seizures in infancy following GLUT1 deficiency syndrome

Reina Ogata*, Masaru Matsukura, Kouhei Haraguchi, Pin Fee Chong, Ryutarou Kira, Yoriko Watanabe, Hirotomo Saito (Japan)

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P-064 The examination of status epilepticus experienced in Bokutoh Hospital.

Hiroshi Futagawa*, Noriko Arai, Sonoko Nakajima, Hisamitsu Tamaki, Masahiro Ito (Japan)

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P-065 Efficacy of a diazepam suppository at preventing febrile seizure recurrence in hospital

Eisuke Kondo*, Hiroto Akaike, Mina Horiya, Atsushi Katou (Japan)

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P-066 Frequency of taking antihistamines in convulsive patients

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Poster Presentation: Epilepsy, seizures 3

P-067 A case of Febrile myoclonus

Syuji Hashimoto*, Tomoko Ashikaga, Hisako Yamamoto, Miho Adachi, Natsuko Arai, Yuusaku Miyamoto, Noriko Udagawa, Hiroshi Murakami, Masasi Taki, Hitosi Yamamoto (Japan)

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P-068 Analysis of the metabolism factor in convulsions with mild gastroenteritis

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P-069 Clinical picture of seizure recurrence after a first unprovoked seizure in childhood

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P-070 Investigation of Epileptic Apnea: Clinical Manifestation and the Therapy with Levetiracetam

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P-071 The prognosis of 35cases that suspected Benign infantile seizures at first medical examination

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Poster Presentation: Epilepsy, seizures 4

P-072 Ictal EEG in childhood epilepsy with focal seizures

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P-073 Relationship between the frequency of seizure episodes and dipole spikes in BECCT

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P-074 Retrospective Study of Etiologic Factors in the Prognosis of West Syndrome

Shin Nabatame*, Kanako Kishimoto, Junpei Tanigawa, Sanae Yamazaki, Michiko Shinpou, Sayaka Nakano, Yoshiko Iwatani, Kouji Tominaga, Kuriko Shimono, Takeshi Okinaga (Japan)

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P-075 Treatment and development outcome in patients with West syndrome

Makiko Shimazaki*, Yohane Miyata, Yumiko Komatsu, Yukiko Nakamura, Yoko Nakano, Yuichiro Matsuoka, Akira Oka (Japan)

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P-076 Clinical features of epileptic spasms developed after early childhood

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Poster Presentation: Epilepsy, seizures 5

P-077 The clinical characteristics and long-term outcomes of patients with late-onset epileptic spasms

Yoshiko Iwatani*, Sayaka Nakano, Kanako Kishimoto, Junpei Tanigawa, Sanae Yamazaki, Koji Tominaga, Shin Nabatame, Kuriko Shimono, Takeshi Okinaga, Toshisaburo Nagai (Japan)

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P-078 Echocardiographic evaluation for patients with West syndrome during ACTH treatment.

Yoji Ikuta*, Masaru Miura, Tomohide Goto, Hiromi Arai, Yuri Sakaguchi, Sunao Tomita, Sahoko Miyama (Japan)

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P-079 A case of tuberous sclerosis with cardiac tumors that increased by ACTH therapy of West syndrome

Ryoko Nakamura*, Yukie Yasunaga, Kyoko Watanabe (Japan)

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P-080 The incidence reduction of seizure and the relationship of a blood level by TPM in a partial seizure

Taira Toki*, Tosiya Iwasaki, Yutaka Nonoda (Japan)

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P-081 Prominent improvement by levetiracetam for myoclonic seizure in a girl with mitochondrial disorder

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Poster Presentation: Acute encephalitis, encephalopathy 1

P-082 Development of a neonate who had been affected with enterovirus 71 brainstem encephalitis.

Hiroshi Shiraku*, Kentaro Shirai, Akiko Haibara, Atsuko Yamamoto, Akimitsu Watanabe (Japan)

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P-083 Two cases of acute encephalopathy associated with mumps infection

Ayumi Endo*, Tatsuo Fuchigami, Tadashi Itou, Kaori Kimura, Emiko Momoki, Yuki Kawamura, Wakako Ishii, Chikako Arakawa, Ryutarou Kohira, Yukihiko Fujita (Japan)

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P-084 A case of Mumps virus-associated acute encephalopathy with serious sequelae

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P-085 A case of Bartter syndrome with rotavirus associated acute encephalopathy

Kazuo Kodama*, Kaori Muta, Nao Shiohama, Taku Omata, Eiji Nakano, Masataka Hisano (Japan)

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P-086 A case of MERS accompanied by cerebellitis with prolonged cerebellar symptoms

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Poster Presentation: Acute encephalitis, encephalopathy 2

P-087 A case of AERRPS with a reversible splenial lesion

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P-088 Two cases with a reversible splenial lesion following a rare clinical course

Mari Hatanaka*, Mitsuru Kashiwagi, Takuya Tanabe, Hiroshi Tamai (Japan)

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P-089 Three sisters of MERS caused by different agents

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P-090 Evaluation of spindle waves after status epilepticus with fever in 22 cases

Misaki Matsumura*, Jun Mine, Akiyoshi Horie, Kazuko Kishi, Seiji Yamaguchi, Momoko Yokoyama, Chigusa Oyama (Japan)

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P-091 Distinguish between Acute encephalopathy and Febrile seizure by EEG power spectrum analysis

Masayoshi Oguri*, Chisako Fukuda, Mitsuo Toyoshima, Hitoshi Sejima, Hiroyuki Torisu, Soo-Young Lee, Yoshihiro Maegaki (Japan)

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Poster Presentation: Acute encephalitis, encephalopathy 3

P-092 Effect of early administration of vitamin B1/B6 and L-carnitine in preventing the incidence of AESD

Hirofumi Kashii*, Mariko Yamamoto, Yu Watanabe, Akiko Shibata, Hiroshi Terashima, Masaya Kubota (Japan)

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P-093 The effectiveness of tacrolimus in Acute Encephalitis with Refractory, Repetitive Partial Seizures

Yuko Sato*, Mitsugu Uematsu, Yurika Numata, Atsuo Kikuchi, Tojo Nakayama, Yousuke Kakisaka, Tomoko Kobayashi,

Naomi-Hino Fukuyo, Kazuhiro Haginoya, Sigeo Kure (Japan)

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P-094 Clinical characteristics in 7 cases with non-herpetic acute limbic encephalitis

Noriko Nishikura*, Takao Morimune, Seiichiro Yoshioka, Tomoyuki Takano, Yoshihiro Takeuchi, Yukitoshi Takahashi (Japan)

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P-095 Limbic encephalitis associated with NMDA-type GluR antibodies and RS virus infection

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P-096 A case of anti-NMDA-receptor encephalitis with frequent complex partial seizures

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Poster Presentation: Imaging 1

P-097 A variety of CNS lesions in septo-optic dysplasia

Tadashi Shiohama*, Atsuko Takagi, Hideki Uchikawa, Kaori Muta, Taku Omata, Maiko Suyama, Katsunori Fujii (Japan)

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P-098 Slowly progressive myelination in mild Pelizaeus-Merzbacher disease, due to a novel PLP1 mutation

Takashi Shiihara*, Mio Watanabe, Kengo Moriyama, Kiyoko Sameshima, Mitsugu Uematsu (Japan)

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P-099 Pathophysiologic evaluation of MELAS strokes by ASL perfusion image

Mitsuko Okuda*, Mutsumi Satou, Rie Anzai, Mariko Takagi, Yu Tsuyusaki, Kyoko Takano, Mizue Iai, Hitoshi Osaka,

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P-100 A case of neonatal-onset mitochondrial respiratory chain disease followed by brain MRI

Yu Ishida*, Masaru Shimura, Mika Takeshita, Shinichiro Morichi, Shingo Oana, Gaku Yamanaka, Tasuku Miyajima,

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P-101 A case of NBIA who shows characteristic brain iron accumulation different from that of PKAN
Wakaba Endo*, Takehiko Inui, Ryo Sato, Keisuke Wakusawa, Soichiro Tanaka, Kazuhiro Haginoya (Japan)
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Poster Presentation: Imaging 2

P-102 A case of status epilepticus with abnormal brain perfusion on arterial spin labeling MR imaging
Keiko Hirano*, Seiji Watanabe (Japan)

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P-103 A case of multiphasic disseminated encephalomyelitis treated with plasmaapheresis
Maiko Esaki*, Toshiyuki Seto, Kenji Fujita, Kanako Yamashita, Taeka Hattori, Norikatsu Hikita, Haruo Shintaku (Japan)
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P-104 Potential of high b value diffusion weighted imaging at acute encephalopathy with biphasic seizures
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P-105 Brain MRI findings of patients with Kawasaki disease with neurological disorder
Kaori Ogita*, Toshiyuki Hikita, Daisuke Sasaki, Hayato Aoyagi, Sono Kaneko, Natue Nakamoto, Hiroshi Ooba, Sigetosi Kobayasi, Yukisige Yanagawa, Akira Kikuti (Japan)

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P-106 A case of pilomyxoid astrocytoma effectively diagnosed by 3D FIESTA
Maiko Suyama*, Atsuko Takagi, Hideki Uchikawa, Hidemasa Ochiai, Hajime Yokota, Daisuke Ito, Masayoshi Kobayashi, Hisayuki Murai, Katsunori Fujii (Japan)

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P-107 Comparison of functional MRI analysis using MNI and Japanese pediatric template
Hitoshi Uchiyama*, Hisakazu Yanaka, Ayumi Seki, Takahiro Niida, Tatsuya Koeda (Japan)

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Poster Presentation: Neurodegenerative disorders

P-108 Case of Rett syndrome combined central sleep apnea with necessary to introduce NPPV
Koyo Ohno*, Akiko Tamasaki, Riyo Ueda, Yoko Nishimura, Yoshihiro Maegaki, Masami Togawa (Japan)

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P-109 A long-lived case with vanishing white matter disease
Hachiya Yasuo*, Ai Hoshino, Sachiko Kanda, Syunpei Uchino, Ikuko Shirai, Satoko Kumada, Eiji Kurihara, Toshiyuki Yamamoto (Japan)

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P-110 A case of Aicardi-Gautier syndrome
Daishi Inoue*, Tatsuharu Sato, Mio Yamashita, Nanako Nishiguchi, Hiroyuki Moriuchi, Naoki Ando (Japan)

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P-111 Efficacy and safety of very-low-dose betamethasone therapy in ataxia telangiectasia
Setsuko Hasegawa*, Satoko Kumada, Masatoshi Takagi, Ikuko Shirai, Kouji Takahashi, Toshihiro Nomura, Ayako Kashimada, Takeshi Hasegawa, Takatoshi Hosokawa, Mitsugu Uematsu (Japan)

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P-112 A case of Hirayama disease with Paroxysmal Kinesigenic Dyskinesia
Ryou Nishiguchi*, Tatsuharu Sato, Nanako Nishiguchi, Mio Yamashita, Hiroyuki Moriuchi (Japan)

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P-113 A case of Giant axonal neuropathy (GAN) diagnosed by exome sequencing
Hiroko Tada*, Jun-Ichi Takanashi, Yoshiko Hirano, Keiko Shishikura, Hiroto Saito (Japan)

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P-114 Analysis of the patient with hereditary spastic paraplegia that was caused by novel REEP1 mutation
Kenji Orii*, Masahiro Morimoto, Hidenori Ohnishi, Zenichiro Kato, Toshiyuki Fukao (Japan)

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Poster Presentation: Metabolic disorders 1

P-115 TRH therapy for 4 patients with GLUT-1 deficiency syndrome
Yasushi Ito*, Hirokazu Oguni, Mutsuki Shioda, Yoshiko Hirano, Hidetsugu Nakatsukasa, Yoko Yoshikawa, Akiko Takeshita, Kyoko Hirasawa, Satoshi Nagata (Japan)

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

P-116 A case of glucose transporter type 1 deficiency syndrome with paroxysmal somnolence
Tetsuhiro Fukuyama*, Taiki Shima, Yuuko Takei, Jiu Okuno, Noboru Fueki, Shinichi Hirabayashi, Michiko Shinpou, Kuriko Shimono (Japan)

Division of Pediatric Neurology, Nagano Children's Hospital, Azumino, Japan

P-117 A 9-years-old girl suspected MELAS presenting frequent attack of headache and vomiting
Kei Yoshida*, Ayumi Endou, Tadashi Itou, Sonoko Nakajima, Emiko Momoki, Chikako Arakawa, Ryuutarou Kohira, Tatu Fuchigami, Yukihiko Fujita, Syouri Takahashi (Japan)

Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan

P-118 A case of MELAS with occipital abnormality in ictal EEG

Akiko Hattori*, Atsusi Imamura, Naoki Matsuo, Emiko Kojima, Atsusi Wakahara (Japan)

Gifu Prefectural General Medical Center, Gifu, Japan

P-119 Blue-Native PAGE (BN-PAGE) for mitochondrial respiratory chain deficiency

Yoko Mizuno*, Masakazu Mimaki, Sayaka Ohta, Konomi Shimoda, Nagahisa Takahashi, Hiroyuki Iwasaki, Makiko Saito, Akira Oka, Masashi Mizuguchi, Yuichi Goto (Japan)

The Department of Pediatrics, University of Tokyo, Tokyo, Japan

Poster Presentation: Metabolic disorders 2

P-120 A 4-year-old girl with Leigh encephalopathy who showed cerebral cortex lesions

Erika Hiwatari*, Kenjiro Kikuchi, Yuko Hirata, Atsuko Oba, Yuji Kumagai, Manabu Tanaka, Motoyuki Minamitani, Shin-Ichiro Hamano (Japan)

Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

P-121 A boy with thiamine-responsive PDHC deficiency who had muscle weakness and Leigh encephalopathy

Shunsuke Nakagawa*, Etsuo Naitou (Japan)

Department of Pediatrics Kagoshima City Hospital, Kagoshima, Japan

P-122 Carnitine intravenous administration was effective for Pyruvate dehydrogenase complex deficiency

Jun Matsui*, Shinobu Yoshida, Kashirou Nishizawa (Japan)

Department of Pediatrics, Omihachiman Community Medical Center, Shiga, Japan

P-123 Efficacy of Peanuts in a Patient with Pyruvate Dehydrogenase Complex Deficiency

Mariko Yamamoto*, Akiko Shibata, Yu Watanabe, Hiroshi Terashima, Hirofumi Kashii, Masaya Kubota, Hitoshi Yamamoto (Japan)

National Center for Child Health and Development, Tokyo, Japan

P-124 A case of hypocarnitinemia due to long-term administration of antibiotics with pivoxil hydrochloride

Takuya Hayasida*, Tatuharu Sato, Hiroyuki Moriuchi (Japan)

The department of pediatrics, Sasebo city general hospital, Sasebo, Japan

Poster Presentation: Metabolic disorders 3

P-125 A Case of Mucopolysaccharidosis Type IIIA (Sanfilippo Syndrome TypeA)

Haruko Kotani*, Takatoshi Hosokawa, Mikiya Fujieda, Masayuki Sasaki, Torayuki Okuyama (Japan)

Department of Pediatrics, Kochi Medical and Welfare Center for Handicapped, Kochi, Japan

P-126 Laboratory data of orexin and cataplexy on Niemann-Pick disease type C

Hiroki Kubota*, Aya Imanishi, Youhei Sagawa, Tamami Yano, Takashi Kanbayasi, Tutomu Takahashi, Tetuo Shimizu (Japan)

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

P-127 Effectiveness of Miglustat to Niemann-Pick disease, type C

Kaoru Eto*, Yasushi Ito, Makiko Osawa, Satoru Nagata, Yoshikatsu Eto (Japan)

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

P-128 A Japanese early infantile type of Niemann-Pick disease type C with miglustat therapy

Masaki Taguchi*, Takahumi Sakakibara, Atsuko Nishiyama, Aya Narita, Kousaku Ohno, Muneaki Matsuo, Midori Shima (Japan)

Department of Pediatrics, Nara Medical University, Nara, Japan

P-129 Two cases of infantile onset Krabbe disease without any deterioration even after the age of 2

Keiko Okumura*, Masato Mori, Tomohiko Tsuru (Japan)

Department of Pediatrics, Nadogaya Abiko Hospital, Chiba, Japan / Matsudo City Hospital Children's Medical Center, Chiba, Japan

Poster Presentation: Metabolic disorders 4

P-130 The clinical course of adrenoleukodystrophy

Kaori Muta*, Taku Omata, Tadashi Shiohama, Kei Murayama, Nobuyuki Shimozawa (Japan)

Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan

P-131 A case report of infantile refsum disease diagnosed during early childhood

Masaru Matsukura*, Pinfee Chong, Kouhei Haraguchi, Reina Ogata, Keiji Soebijanto, Nobuyuki Shimozawa, Ryutarou Kira (Japan)

Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan

P-132 Case report of adult-onset type2 citrullinemia(CTLN2) in carry-over patient of Epilepsy

Keiko Suzuki*, Ryoya Setoguchi, Syogo Hoshika, Yoshiki Oitani, Asako Arai, Satoru Ueda, Ryoji Umezumi, Shigetaka Sugihara, Shigeo Kure (Japan)

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

P-133 The neurological features of Allan-Herndon-Dudley Syndrome patients

Sanae Yamazaki*, Shin Nabatame, Kanako Kishimoto, Michiko Shinpou, Sayaka Nakano, Yoshiko Iwatani, Kouji Tominaga, Kuriko Shimono, Noriyuki Nanba, Hiroshi Arai (Japan)

Department of pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan / Osaka University Epileptic center, Osaka, Japan

Poster Presentation: Neonatal/perinatal disorders 1

P-134 A case of multiple cerebellar hemorrhage and occipital infarction with protein c deficiency

Kazutomo Tamaki*, Yasuko Kojima, Hiroki Hoshino, Akihiko Tateno, Hitoshi Terada (Japan)

Department of pediatrics, Toho university Sakura medical center, Chiba, Japan / Department of neonatology, Toho university Oomori medical center, Tokyo, Japan

P-135 A case of the brain venous angioma presenting neonatal seizure

Tomoyo Takenaka*, Shin Nabatame, Hiroshi Oba, Ryo Takemura, Shinya Yamamoto, Yousuke Imanishi, Masahiro Yamamoto, Yoshirou Wada, Yutaka Sumida (Japan)

Department of Pediatrics, Rinku General Medical Center, Osaka, Japan

P-136 Relationship between ictal fast activities of neonatal seizures and the epileptogenesis in infancy

Akihito Takeuchi*, Katsuhiko Kobayashi (Japan)

Department of Neonatology, NHO Okayama Medical Center, Okayama, Japan

P-137 Outcomes and MR imaging in neonates with hypoxia-ischemia encephalopathy treated by hypothermia

Akiko Takeshita*, Kyoko Hirasawa, Youko Yoshikawa, Ken Imai, Atsushi Uchiyama, Satoshi Kusuda, Satoru Nagata (Japan)

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

P-138 A study of relation between neonatal subclinical seizures and development prognosis

Yoshinobu Oyazato*, Sora Okita, Atsushi Nishiyama, Masao Adachi (Japan)

Department of Pediatrics, Kakogawa West City Hospital, Hyogo, Japan

Poster Presentation: Neonatal/perinatal disorders 2

P-139 Neurodevelopmental outcomes and neuroimaging in extremely low birth weight infants

Mayumi Matsufuji*, Ousuke Iwata, Sachiko Iwata, Munetsugu Hara, Sachio Takashima (Japan)

Department of Pediatrics, Yanagawa Institute for Developmental Disabilities, Fukuoka, Japan

P-140 Correlation between brain MRI at term and developmental assessment at 18 months in premature infants

Ryuta Tanaka (Japan)

The Department of Pediatrics, Ibaraki Children's Hospital, Mito, Japan

P-141 Cognitive characteristic examination by K-ABC in very low birth weight children

Tomoko Nishida*, Mayumi Yamamoto, Yukihiko Konishi, Takashi Kusaka, Susumu Itoh (Japan)

Faculty of Education, Kagawa University, Kagawa, Japan

P-142 The study into neuropediatricians role of high risk infants

Mutsuki Shioda*, Kyoko Hirasawa, Akiko Takeshita, Yoko Yoshikawa, Hidetsugu Nakatsukasa, Yasushi Ito, Keiko Ishigaki, Satoru Nagata (Japan)

The department of Pediatrics, Tokyo Women Medical University, Tokyo, Japan

P-143 The midterm results; a follow-up study on development of infants with very low birth weight

Keisuke Wakusawa*, Ritsuko Takahashi, Chieko Nara, Yuki Kubota, Shigeo Kure (Japan)

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

Poster Presentation: Development and pathophysiology

P-144 Feedback related negativity with visual cognitive learning task in typically developing children

Kaoru Fujioka*, Yoshimi Kaga, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)

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

P-145 Sleep bruxism and its relation to sleep problems and daytime behaviors among Japanese children

Masaya Tachibana*, Ayano Kuwada, Ikuko Hirata, Kuriko Kagitani-Shimono, Ikuko Mohri, Keiichi Ozono, Masako Taniike (Japan)

United Graduate School of Child Development, Osaka University, Suita, Japan / Department of Pediatrics, Graduate School of Medicine, Osaka University, Osaka, Japan

P-146 The current status and statistics of Child Development at NICO Pediatric Clinic

Manami Honda*, Izumi Ichihashi, Keiji Hashimoto, Motoko Hashimoto, Yoshiko Nemoto, Makoto Inami (Japan)

NICO Pediatric Clinic, Tokyo, Japan / National Center for Child Health and Development, Tokyo, Japan

P-147 Summary of children with developmental disorder who visited our outpatient clinic for five years

Kanako Nakano (Japan)

Pediatrics, Rokko island Kohnan Hospital, Kobe, Hyogo, Japan

P-148 Treatment with Vasopressin (Orals)

Mariko Maezawa*, Youichi Doumoto, Kouichi Tamada, Satoshi Kimiya, Akiko Kamiishi, Hirohiko Ozaki (Japan)

Tsurumi University, Department of Dental Hygiene, Yokohama, Japan

P-149 Withdrawn

Poster Presentation: Autism spectrum disorder 1

P-150 Trial and discussion of DSM-5 criteria for toddlers with neurodevelopmental disorders

Satoshi Sumi*, Taishi Miyachi, Kimie Ohya, Kei Ohashi, Shinji Saitoh (Japan)

Department of Pediatrics, Nagoya West District Care Center for Disabled Children, Nagoya, Japan

P-151 The investigation of 7 boys with developmental disorder who had significant improvement in IQ scores

Hironori Matsufuji*, Naoko Ishikawa, Hiroshi Isumi, Yoko Sugio, Takashi Ichiyama, Yoshitsugu Sugio (Japan)

Tudumigaura Handicapped Children's Hospital, Syunan, Japan

P-152 Neurological examination of ASD and MR reflects pathophysiology of aminergic neurons

Kyoko Hoshino*, Kazue Kimura, Kei Hachimori, Yuri Nagao, Yoshiko Nomura, Masaya Segawa (Japan)
Segawa neurological clinic for children, Tokyo, Japan / Minamiwakayama Medical Center, Wakayama, Japan

P-153 Measurement of Width of Amygdala Using MRI Might Contribute to Diagnosing Autism Spectrum Disorder

Shohei Watanabe*, Kaori Hino (Japan)
Department of Pediatrics, Ehime Prefectural Imabari Hospital, Imabari, Japan

Poster Presentation: Autism spectrum disorder 2

P-154 Tsc2 haploinsufficiency aggravates autism-related behavioral deficits in mice

Atsushi Sato*, Yukio Takamatsu, Toshiyuki Kobayashi, Okio Hino, Masashi Mizuguchi (Japan)
Addictive Substance Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-155 Genetic analysis for circadian rhythm abnormality in autism spectrum disorder

Ayumi Matsumoto*, Zhi-Liang Yang, Karin Kojima, Kazuhiro Nakayama, F. Eriko Jimbo, Sadahiko Iwamoto, Koh-Ichi Nagata, Takanori Yamagata (Japan)
Department of Pediatrics, Jichi Medical University, Tochigi, Japan

P-156 Mutations of MUPP1, a scaffold protein for synaptic adhesion molecule CADM1, in patients of ASD

Zhiliang Yang*, Karin Kojima, F. Eriko Jimbo, Takanori Yamagata, Takashi Momoi, Mariko Momoi (Japan)
Department of Pediatrics, Jichi Medical University, Tochigi, Japan

P-157 Association between syntaxin1A gene and pervasive developmental disorders (PDD)

Takefumi Kofuji*, Yuko Hayashi, Masao Tamaru, Kimio Akagawa (Japan)
Radioisotope Laboratory, Kyorin University School of Medicine, Mitaka, Japan

Poster Presentation: Autism spectrum disorder 3

P-158 A case of VLCAD deficiency with autistic spectrum disorder

Yuki Kubota*, Naomi Hukuyo, Mitsugu Uematsu, Chieko Nara, Osamu Sakamoto, Toshihiro Ohura, Hiroyuki Yokoyama, Shigeo Kure (Japan)
Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

P-159 A male of autism who is suffering from obstructive sleep apnea with bradycardia and bradypnea

Kumi Kato-Nishimura (Japan)
Ota Memorial Sleep Center, Kanagawa, Japan

P-160 Effectiveness of VPA for a case of autism disorder with non-convulsive status epilepticus (NCSE)

Yukiko Ihara*, Yuko Tomonoh, Takako Fujita, Hiroshi Ideguchi, Toshio Hanai, Shinichi Hirose, Sawa Yasumoto (Japan)
Department of Pediatrics School of Medicine, Fukuoka University, Fukuoka, Japan

P-161 Three patients of Asperger syndrome with obvious effect of Methylphenidate, and Occupational therapy

Shiho Honzawa*, Toshihiro Suzuki, Akiko Yamamoto, Yukiko Inage, Hitomi Noguchi, Yuji Tachioka, Shuhei Ide, Hideomi Ota, Yasuhiro Arai, Tatsuo Masuyama (Japan)
Tokyo Metropolitan Tobu Medical Center for persons with developmental/multiple disabilities, Tokyo, Japan

Poster Presentation: Autism spectrum disorder 4

P-162 Therapy of low dose levodopa: A preliminary questionnaire survey in Japan

Kyoko Hoshino*, Akihiro Yasuhara, Tomoyo Ishizaki, Kazue Kimura, Masaya Kubota, Atsuo Nezu, Masharu Hayashi (Japan)
Minamiwakayama Medical center, Wakayama, Japan / Research Group of Low dose L-dopa Therapy(LDT), Tokyo, Japan

P-163 Development of requesting, joint attention, imitation and play in preverbal children with autism

Keitaro Sueda*, Izumi Hara, Satiyo Hayakawa, Keiko Maeda (Japan)
Shizuoka Medical Welfare Center, Shizuoka, Japan

P-164 The proposal of short time ABA (Applied Behavior Analysis) therapy for autistic spectrum disorders

Genkichi Izumi*, Ryuji Fujisaka, Terutaka Ito, Chiaki Sumita, Urara Komatsubara, Kyoko Hoshino (Japan)
Department of Pediatrics, National Hospital Organization Minamiwakayama Medical Center, Tanabe, Japan

P-165 EMDR(Eye Movement Desensitization and Reprocessing) for children with autistic spectrum disorder

Shinji Fujimoto (Japan)
Tsutsujigaoka Child Clinic, Chita, Japan

Poster Presentation: Cerebral Palsy 1

P-166 Two cases of post resuscitated encephalopathy with unique clinical presentation

Yumi Tada*, Tomohiro Nakayama, Junko Nakayama, Nobuaki Iwasaki (Japan)
Pediatrics, Tsukuba Gakuen hospital, Ibaraki, Japan

P-167 The relation of cerebellar atrophy and development in the monozygotic twins born as ELBW

Satori Hirai*, Masahiro Kitai, Kayo Ohmura, Hiroshi Arai (Japan)
Morinomiya Hospital, Osaka, Japan

P-168 Carnitine supplementation by use of enteral nutrition product (ACURE EN800) to persons with SMID

Yoshitami Sanayama*, Shigenori Yamamoto, Ayumi Ishihara (Japan)
Department of Pediatrics, National Hospital Organization Shimoshizu Hospital, Yotsukaido, Japan

P-169 Zn and Cu intake and concentration in patient with severe motor and intellectual disabilities

Teruhiko Suzuki (Japan)
National Hospital Organization Tenryu Hospital, Hamamatsu, Japan

P-170 Secondary copper deficiency and epileptic seizures during iron and zinc supplementations
Ryusuke Oyama*, Chika Goto, Maki Kiriya, Kyoko Kiyata, Seigo Korematu, Taturo Izumi (Japan)
National Hospital Organization Miyazaki hospital, Miyazaki, Japan

Poster Presentation: Cerebral Palsy 2

P-171 Refractory recurrent pancreatitis in a child with severe motor and intellectual disabilities
Azusa Nagasaki*, Hirotaka Motoi, Yoshihiro Watanabe, Saoko Takeshita (Japan)
Yokohama City University Medical Center, Yokohama, Japan

P-172 Severely handicapped patient with acute necrotizing pancreatitis caused by valproate or surgery
Yuji Mizuno*, Miyuki Aibe, Keiji Soebiant, Masafumi Sanefuji (Japan)
Department of Pediatrics, Fukuoka-Higashi Medical Center, Koga, Japan

P-173 Surgical treatment of chronic drooling by bilateral submandibular gland resection
Miki Yamaura*, Kitami Hayashi, Mai Koizumi, Masayuki Tsukahara, Keiko Watanabe, Yuri Shirato, Ayako Muto, Kiyooki Yabe, Katsunori Kouchi (Japan)
Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan

P-174 The Effect of NPPV in Children with Respiratory Disorders caused tracheal and bronchial stenosis
Shuji Matsui*, Takako Tamura, Yumiko Oono, Yukiko Nanba, Michiko Makino, Mitsunobu Matsuda, Keiko Wada, Keiko Akahoshi, Masuko Funahashi, Yasuyuki Suzuki (Japan)
The Tokyo Children rehabilitation's hospital, Tokyo, Japan

P-175 How to manage mechanical ventilator at home for improving the patient's quality of life
Kaoru Amemiya*, Yoshiko Nomura, Koichi Aizaki, Yuri Ozawa, Yuki Inoue, Hiroshi Ozawa, Akiko Miyata (Japan)
Shimada ryoiku center Hachioji, Hachioji, Japan / Saiwaikodomo clinic, Chiba, Japan

Poster Presentation: Cerebral Palsy 3

P-176 Introduction of IPV at home to three cases with severe physical and mental disabilities
Kaori Kaneko*, Atsuo Nezu, Haruhiko Aoyama, Kumiko Karasawa, Hiroko Iwamoto, Yuri Chikumar, Yuka Masuda, Hitoshi Kitagata (Japan)
Yokohama Residential Care and Medical Center for Developmentally Disabled Person, Kanagawa, Japan

P-177 Present state of the home mechanical ventilation therapy in our hospital
Naoki Matsuo*, Atsushi Imamura, Atsushi Wakahara, Emiko Kojima (Japan)
Department of pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan

P-178 Four cases we applied continuous low pressure suction unit
Akiko Wakisaka*, Nami Nakamura, Takanori Tsuji, Shinya Yamada, Keiko Maruhashi, Ichiro Ohno, Hidetoshi Seki (Japan)
Department of Pediatrics, National Hospital Organization Iou Hospital, Kanazawa, Ishikawa, Japan

P-179 Current Practice and Problems of home health care in our Hospital
Hidetoshi Ishigaki*, Tokiko Fukuda, Tomoko Matsubayashi, Takuya Hiraide (Japan)
Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan

P-180 Our medical support for transition from NICU to home for children needed long term hospitalization
Susumu Sugihara*, Youko Nishimura, Akiko Tamasaki, Yoshihiro Maegaki (Japan)
Division of Child Neurology, institute for Neurological Sciencem, Faculty of Medicine, Tottori University, Yonago, Tottori, Japan

Poster Presentation: Epilepsy, seizures 6

P-181 Our experience of using levetiracetam
Yohane Miyata*, Yumiko Ikegami, Youko Nakano, Yuitiro Matuoka, Makiko Shimazaki, Yumiko Komatu, Yukiko Nakamura, Akira Oka (Japan)
Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan

P-182 Our experiance of levetiracetam
Kazuyuki Yotsumata*, Kenji Watanabe (Japan)
Kagoshima City Hospital, Kagoshima, Japan

P-183 Effectiveness of levetiracetam in the treatment of pediatric epilepsy at Tokyo Women's Medical Univ.
Susumu Ito*, Aiko Nishikawa, Yoshiko Hirano, Hirokazu Oguni, Satoru Nagata (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

P-184 Experience with Levetiracetam to epilepsy cases in developmental disorders
Kazue Takagi*, Hitoshi Hara, Kazue Kimura (Japan)
Habilitation and Consultation Center for Children, Kanagawa, Japan / Yokohama Central Area Habilitation Center for Children, Kanagawa, Japan

P-185 Analysis of the Immunoglobulin in epileptic patients in childhood treated with TPM,LTG,LEV.
Shingo Oana*, Tasuku Miyajima, Mika Takeshita, Shinichiro Morichi, Yu Ishida, Gaku Yamanaka, Hisashi Kawashima (Japan)
Department of Pediatrics of Tokyo Medical University, Tokyo, Japan

Poster Presentation: Epilepsy, seizures 7

P-186 Usefulness of the 3 new AEDs (TPM, LTG, LEV) in the severely handicapped
Syuichi Tsuneishi*, Kazuhiro Taguchi, Ryuzaburo Yagi (Japan)
Department of Pediatrics, Medical and Welfare Center Kizuna, Kasai, Japan

P-187 Investigation of use frequency and the efficacy of the new anticonvulsant to handicapped children
Tomoko Matsubayashi*, Takuya Hiraide, Hidetoshi Ishigaki, Miki Asahina, Yuusaku Endo, Takeshi Miyamoto, Kouichi Hirano, Tokiko Fukuda (Japan)

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

P-188 A case of focal cortical dysplasia presenting epileptic spasm
Mari Inami*, Yumiko Komatsu, Yukiko Nakamura, Yohane Miyata, Makiko Shimazaki, Yumiko Ikegami, Yoko Nakano, Yuichiro Matsuoka, Akira Oka (Japan)

Department of Pediatrics, Kyorin University, Tokyo, Japan

P-189 A case of cortical dysplasia with bilateral horizontal nystagmus
Atsushi Imamura*, Naoki Matsuo, Emiko Kojima, Atsushi Wakahara, Akiko Hattori (Japan)

Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan

P-190 Two cases of intractable epilepsy caused by focal cortical dysplasia with difficulty in diagnosis
Keiko Tomita*, Kazuhiro Muramatsu, Noriko Sawaura, Toshino Motojima, Akio Takahashi, Kenji Sugai, Kouichi Baba, Hirokazu Arakawa (Japan)

Gunma University Hospital, Gunma, Japan

Poster Presentation: Epilepsy, seizures 8

P-191 Two cases of Sturge-Weber syndrome that made epileptic surgery
Mio Watanabe*, Kengo Moriyama, Takashi Shiihara, Yumiko Usuda (Japan)

Department of Neurology, Gunma Children's Medical Center, Shibukawa, Japan

P-192 A clinical study of patients with epileptogenic tumor in children
Takashi Saito*, Akihiko Ishiyama, Yoshiaki Saito, Hirofumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Akio Takahashi, Taisuke Ohtsuki (Japan)

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

P-193 The role of Hospital Play Specialist in Wada test for children
Hiroe Kojima*, Chiharu Kitamoto, Ikuko Hatai, Kayo Ooya, Ayataka Fujimoto, Takamichi Yamamoto, Hideo Enoki (Japan)

Pediatric Ward, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

P-194 A case of malignant migrating partial seizures in infancy(MMPSI) developed in newborn infant
Kazuhiko Hashimoto*, Tatsuharu Sato, Nanako Nishiguchi, Mio Yamashita, Kiyoko Watanabe, Yoshiaki Watanabe, Hiroyuki Moriuchi (Japan)

The department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan

P-195 The effect of steroid pulse therapy for a case of Dravet syndrome
Takako Fujita*, Hiroshi Ideguchi, Sawa Kurata, Yuko Tomonou, Yukiko Ihara, Yukitoshi Takahashi, Shinichi Hirose, Sawa Yasumoto (Japan)

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

Poster Presentation: Epilepsy, seizures 9

P-196 A case of Dravet syndrome associated with generalized periodic epileptic discharges
Atsuko Takagi*, Hajime Ikehara, Maiko Suyama, Yuji Hashimoto, Hideki Uchikawa, Katsunori Fujii (Japan)

Chiba University, Graduate school of medicine, Department of pediatrics, Chiba, Japan

P-197 A case of the Landau-Kleffner syndrome currently diagnosed as autism spectrum obstacle
Yoshiyuki Watabe*, George Imataka, Seito Hisamatsu, Ryota Kuribayashi, Osamu Arisaka (Japan)

Dokkyo Medical University Department of Pediatrics, Dokkyo Medical University, Tochigi, Japan

P-198 A case of non-convulsive status epilepticus worsened ataxia in destructive lesion of the thalamus
Shigehiro Nagai*, Tomoko Kirino, Yumi Fujihara, Sizuka Matuoka, Shoichi Endo (Japan)

Shikoku Medical Center for Children and Adults, Zentsuji, Japan

P-199 Quality of Life in patients with epilepsy patients and their families
Kiyotaka Suwa*, Keisuke Morita, Makoto Yoshida (Japan)

Department of Pediatrics Asahikawa Red Cross Hospital, Asahikawa, Japan

P-200 Three pediatric patients with Lennox-Gastaut Syndrome effectively treated by Rufinamide
Kazuki Tsukamoto*, Yukitoshi Takahashi, Rumiko Takayama, Yoshiaki Yamamoto, Shinsaku Yoshitomi, Akito Watanabe, Tokito Yamaguchi, Yuki Ueda, Hiroshiro Nasu, Hideyuki Ohtani (Japan)

Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Poster Presentation: Epilepsy, seizures 10

P-201 Effectiveness of rufinamide for complex partial seizures in a case of Lennox-Gastaut syndrome
Kunihito Tamashiro*, Azusa Oshiro (Japan)

Department of Pediatrics, Faculty of Medicine, Ryukyuu University, Okinawa, Japan

P-202 Experience in our department of novel anti-epileptic drugs Rufinamide to small children
Souichi Mukaida*, Rie Suzuki, Kaori Irahara, Kazuhiro Shiraishi (Japan)

National Hospital Organization Utano National Hospital, Kyoto, Japan

P-203 Drug rash and agranulocytosis induced by rufinamide administration
Minako Ide*, Keiko Saito, Takeshi Yoshida, Tomonari Awaya, Takeo Kato (Japan)

Department of Pediatrics, Kyoto University Hospital, Kyoto, Japan

P-204 Barbiturate for refractory and repetitive seizures caused by aggravation of epilepsy

Hiroshi Terashima*, Mariko Yamamoto, Yu Watanabe, Akiko Shibata, Hirohumi Kashii, Masaya Kubota, Takashi Muguruma (Japan)
The Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

P-205 A case of intractable epilepsy controlled with ketogenic diet

Tomofumi Fukuda*, Masayuki Shimono, Masahiro Ishii, Ayako Senju, Naoki Shiota, Kouichi Kusuhara (Japan)
The Department of Pediatrics, University of Occupational and Environmental Health, Fukuoka, Japan

Poster Presentation: Genes 1

P-206 De novo NALCN mutation in a girl with facial dysmorphism, developmental delay and hypercalcemia

Michiko Torio*, Yasunari Sakai, Kenji Ihara, Yoshito Ishizaki, Hiroyuki Torisu, Ayako Fukai, Noriko Miyake, Naomichi Matumoto, Toshiro Hara (Japan)
Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P-207 A case of Congenital Insensitivity to Pain with Anhidrosis with novel mutation of NTRK1 gene

Takahiro Yamamoto*, Hideo Sasai, Hidenori Ohnishi, Yuko Ito, Minako Kawamoto, Norio Kawamoto, Zenichiro Kato, Toshiyuki Fukao (Japan)

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

P-208 Incontinentia pigmenti in a girl presenting with encephalopathy and NEMO rearrangement.

Yasuko Nakamura*, Hiroshi Matsumoto (Japan)
Department of Pediatrics, National Defense Medical College Hospital, Saitama, Japan

P-209 Milder presentation of erythromelalgia

Tsukasa Higuchi*, Shinichi Hirabayashi (Japan)
The Department of General Pediatrics, Nagano Children's Hospital, Azumino, Japan

Poster Presentation: Genes 2

P-210 Paternal Uniparental Isodisomy of Chromosome 1 in a Patient with Neuronal Ceroid Lipofuscinosis

Ayano Yokoi*, Hiroyasu Nakagawa, Yusuke Mitani, Mondo Kuroda, Yo Niida (Japan)
Department of Pediatrics, Kanazawa University, Ishikawa, Japan

P-211 Imprinting analysis of mouse chromosome 7C region in DNMT1-null embryos

Tatsuya Kishino (Japan)
Division of Functional Genomics, Center for Frontier Life Sciences, Nagasaki University, Nagasaki, Japan

P-212 Promotion of the clinical genetics and genetic diagnosis by introduction of the CHIPS technology

Yo Niida*, Mondo Kuroda, Yusuke Mitani, Ayano Yokoi (Japan)
Center for Medical Genetics, Kanazawa Medical University Hospital, Ishikawa, Japan / Divisions of Genomic Medicine, Department of Advanced Medicine, Medical Research Institute, Kanazawa Medical University, Ishikawa, Japan

P-213 Building of genetic diagnosis system in Tottori University

Kaori Adachi*, Eiji Nanba (Japan)
Division of Functional Genomics, Research Center for Bioscience and Technology, Tottori University, Yonago, Japan / Division of Child Neurology, Department of Brain and Neuroscience, School of Medicine, Tottori University Faculty of Medicine, Yonago, Japan

Poster Presentation: Autonomic nerve, headache

P-214 A familial case of SUNA

Emiko Kojima*, Yoshiaki Saitou, Akihiko Ishiyama, Takashi Saitou, Eiji Nakagawa, Hirofumi Komaki, Kenji Sugai, Masayuki Sasaki (Japan)
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P-215 Variety of symptoms associated with migraine, migraine variant and idiopathic stabbing headache

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P-216 Treatment of prolonged Paroxysmal Sympathetic Hyperactivity in a children

Akiko Yamamoto*, Shuhei Ide, Toshihiro Suzuki, Yuji Tachioka, Yukiko Inage, Hitomi Noguchi, Shihou Honzawa, Yasuhiro Arai, Hideomi Oota, Tatsuo Masuyama (Japan)
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P-217 Symptoms and effectiveness of treatment in orthostatic dysregulation

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P-218 A Case of Benign Paroxysmal Vertigo of Childhood

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Poster Presentation: Myopathy 3

P-219 MRI provided information about diagnosis of Ullrich congenital muscular dystrophy: A case report

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P-220 A family with limb girdle muscular dystrophy type 2A

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P-221 Four females of dystrophinopathies with motor developmental delay or weakness in early childhood

Takeya Awashima*, Hirohumi Komaki, Akihiko Ishiyama, Eri Takeshita, Takashi Saitou, Yoshiaki Saitou, Eiji Nakagawa, Kenji Sugai, Saoko Takeshita, Kyoko Takano (Japan)

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P-222 A case of Duchenne muscular dystrophy affected by dilated cardiomyopathy after steroid therapy

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Poster Presentation: Myopathy 4

P-223 Introduction of noninvasive positive pressure ventilation for Duchenne muscular dystrophy

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P-224 Pulmonary rehabilitation for patients with neuromuscular diseases.

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P-225 Easy screening method for Pompe disease using glucose monitoring device

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P-226 Two cases of mitochondrial respiratory chain deficiency

Koji Tominaga*, Kanako Kishimoto, Junpei Tanigawa, Michiko Shinnpo, Sanae Yamazaki, Sayaka Nakano, Yusuke Hamada, Yoshiko Iwatani, Shin Nabatame, Kuriko Shimono (Japan)

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P-227 A case of exanthema subitum associated with levator palpebral myositis

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Poster Presentation: Myopathy 5

P-228 Pediatric ocular myasthenia gravis manifesting as strabismus: a case report

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P-229 A case of Ocular Myasthenia gravis treated with tacrolimus

Yoko Nakano*, Yumiko Ikegami, Yuichiro Matsuoka, Makiko Shimazaki, Yohane Miyata, Yumiko Komatsu, Yukiko Nakamura, Akira Oka (Japan)

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P-230 The 13 Cases of Myasthenia Gravis

Nobuyoshi Sugiyama*, Mariko Ikegami, Jun-Ichi Yokoyama, Yoshihiro Miyashita, Shin-Ichi Matsuda (Japan)

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P-231 A case of Japanese boy with SMA type 1 caused by exon6 frameshift mutation in SMN1

Hiroyuki Yamada*, Yoshinobu Nishida, Takako Matsumoto, Toshiro Maihara, Tomoto Yamamoto, Hisahide Nishio (Japan)

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P-232 A basic research for the treatment of spinal muscular atrophy using TRH and PRL

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Poster Presentation: Acute encephalitis, encephalopathy 4

P-233 Anti-NMDA receptor encephalitis in a 3-year-old girl: successful treatment with rituximab

Hiroyasu Nakagawa*, Ayano Yokoi, Yusuke Mitani, Mondo Kuroda, Yo Niida, Kazushi Miya (Japan)

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P-234 A case of anti-NMDA receptor encephalitis with decreasing processing speed score of WISC-IV

Ayaka Hirasawa*, Yu Tsuyusaki, Seiziro Aso, Yukitoshi Takahashi (Japan)

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P-235 A case of acute cerebellitis showed inflammatory findings in the right cerebellar hemisphere, vermis

Yuka Ashikari*, Yoshifumi Mizuno, Akiko Yokoi, Satoru Kobayashi (Japan)

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P-236 The case of encephalitis with alternating basal ganglia lesion

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P-237 Encephalitis/encephalopathy with balismus and dysarthria twice in two years

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Poster Presentation: Acute encephalitis, encephalopathy 5

P-238 Congenital adrenal hypoplasia patient of one year old with acute encephalopathy

Noriko Nakamura*, Takahito Inoue, Kazuko Yoshimura, Takeshi Kanaumi, Hitomi Hayashi, Atsushi Ogawa (Japan)
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P-239 An infant case of CMV ventriculoencephalitis after hematopoietic stem cell transplantation

Mitsuo Motobayashi*, Yuji Inaba, Yoko Saima, Taemi Niimi, Naoko Shiba, Takafumi Nishimura (Japan)
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P-240 The relationship of the initial interventions and outcomes with acute encephalitis/encephalopathy

Shuji Kuga*, Osamu Kobayashi, Tomoyo Itonaga, Hiroaki Miyahara, Tatsuro Izumi (Japan)
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P-241 MRI findings on acute disseminated encephalomyelitis in 7 cases

Tadashi Ito*, Ayumi Endo, Kei Yoshida, Kaori Kimura, Emiko Momoki, Yuki Kawamura, Wakako Ishii, Chikako Arakawa, Ryutaro Kohira, Tatsuo Fuchigami (Japan)
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Poster Presentation: Infectious, immunological diseases 1

P-242 A case of Bickerstaff's brainstem encephalitis with delayed MRI findings

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P-243 4 children with neurologic complications following Varicella-Zoster virus infection

Emiko Momoki*, Tatsuo Fuchigami, Tadashi Ito, Yuki Kawamura, Wakako Ishii, Ayumi Endo, Chikako Arakawa, Ryutaro Kohira, Yukihiko Fujita (Japan)
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P-244 A case of anti-phospholipid antibody syndrome associated with cerebellar infarction

Sachiko Sakai*, Kimiaki Uetake, Osamu Kawano, Satoru Takahashi (Japan)
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P-245 Long follow-up of optic neuritis in Japanese children

Saoko Takeshita*, Hirotaka Motoi, Yoshitaka Oyama, Yoshihiro Watanabe, Kazushi Ichikawa, Tetsuharu Manabe, Atsuo Nezu (Japan)
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P-246 Optic neuropathy

Eri Shigematsu*, Mariko Ikegami, Norihisa Miyasita, Junichi Yokoyama, Nobuyoshi Sugiyama (Japan)
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Poster Presentation: Infectious, immunological diseases 2

P-247 An examination of orexin and hypersomnia on Neuromyelitis Optica

Hiroki Kubota*, Aya Imanishi, Youhei Sagawa, Tamami Yano, Takashi Kanbayashi, Tutomu Takahashi, Tetuo Shimizu (Japan)
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P-248 A progress report of diagnosis and treatment in 8-years old girl suffering from multiple sclerosis.

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P-249 Three infant cases with frontal lobe atrophy as sequelae of H. influenzae meningoencephalitis

Chieko Iino*, Mana Kurihara, Manabu Yoshihashi, Hiroyuki Fujita, Toshitaka Kohagizawa (Japan)
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P-250 An infant of pneumococcal meningitis caused by the vaccine-free serotype

Aya Sato*, Fukiko Ryujin, Seiichirou Yoshioka (Japan)
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P-251 A Retrospective Study of Bacterial Meningitis in Tottori Prefectural Central Hospital

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Poster Presentation: Neurosurgery

P-252 Usefulness of schintigraphy in diagnosis of intrathecal baclofen therapy problem - a case report

Akiko Shibata*, Mariko Yamamoto, Yu Watanabe, Hiroshi Terashima, Hirofumi Kashii, Masaya Kubota, Nobuhito Morota (Japan)
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P-253 Respiratory complications of Chiari malformation type 2 associated with myelomeningocele

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P-254 Cognitive function in children with acquired infratentorial brain injury

Manabu Yoshihashi*, Mana Kurihara, Chieko Iino, Hiroyuki Fujita, Toshitaka Kohagizawa (Japan)
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P-255 Pediatric Head Injury in Akita University Hospital within 10 years

Tamami Yano*, Hiroki Kubota, Tsutomu Takahashi, Yukio Sawaishi, Miyuki Toyono (Japan)

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P-256 Usefulness of developmental disorder evaluation scale in higher brain dysfunction: a case report

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Poster Presentation: Vascular disorders

P-257 Cases of cerebral infarction due to cervical artery dissection

Mutsumi Sato*, Mariko Takagi, Rie Anzai, Mitsuko Okuda, Yu Tsuyusaki, Kyoko Takano, Hitoshi Osaka, Mizue Iai, Sumimasa Yamashita (Japan)

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P-258 Immunohistochemical analysis of Moyamoya disease

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P-259 Two cases of intracranial mycotic aneurysms complicated by infectious endocarditis.

Fumikazu Sano*, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)

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P-260 A case of spontaneous regression of dural arteriovenous fistula with giant venous lake.

Takao Morimune*, Noriko Nishikura, Seiichirou Yoshioka, Tomoyuki Takano, Yoshihiro Takeuchi (Japan)

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P-261 A pediatric case of reversible cerebral vasoconstriction syndrome with subarachnoid hemorrhage

Naoko Yoshihara*, Takahito Wada, Mariko Takagi, Mutsumi Sato, Rie Anzai, Mitsuko Okuda, Yuu Tsuchiyuki, Hitoshi Osaka, Kyoko Takano, Mizue Iai (Japan)

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Poster Presentation: Tumor

P-262 Everolimus improved hydrocephalus with subependymal giant cell astrocytoma in TSC: a case report.

Hiroyuki Iwasaki*, Sayaka Ohta, Konomi Shimoda, Youko Mizuno, Nagahisa Takahashi, Masakazu Mimaki, Akira Oka, Makiko Saitou, Masashi Mizuguchi (Japan)

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P-263 A case of tuberous sclerosis whose autistic behavior and epilepsy were alleviated by everolimus

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P-264 The efficacy of mTOR inhibitors for the reduction of SEGAs, and other manifestations: 2 cases report

Yu Watanabe*, Mariko Yamamoto, Akiko Shibata, Hiroshi Terashima, Hirohumi Kashii, Masaya Kubota (Japan)

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P-265 Clinical course of patients with renal angiomyolipomas associated with tuberous sclerosis complex

Tatsuyuki Sokoda*, Yoko Nishimura, Yoshihiro Maegaki, Hiroko Kure, Kosaku Ohno (Japan)

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P-266 A case of narcolepsy who presented hypersomnia after a resection of a craniopharyngioma

Tomoko Uchida*, Takashi Kanbayashi, Ryo Tanabe, Kasumi Nagasawa, Mitsuko Ishii (Japan)

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P-267 Notes to use methylphenidate for postoperative craniopharyngioma

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P-268 A case of Von Hippel-Lindau Disease with repeated attacks of unconsciousness

Chihiro Yonee*, Nozomi Sano, Tetsuzo Tomosugi, Tomoko Hanada, Hitoshi Yamahata, Kazunori Arita (Japan)

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