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

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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)
¹Department of Pediatrics & Central Research Institute for the Molecular Pathomechanisms of Epilepsy, Fukuoka, Japan
²Department 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)
¹Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan
²Department 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 Hayashî*, 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 epilepsy**

Chairs: Yukitoshi Takahashi\(^1\), Katsuhiro Kobayashi\(^2\) (Japan)

\(^1\)National Epilepsy Center, Shizuoka, Japan

\(^2\)Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences and Okayama University Hospital, Okayama, Japan

1. Immunological pathology
   Yukitoshi Takahashi*, Shigeko 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 Kubota\(^1\), Hideoki Fukuoka\(^2\) (Japan)

\(^1\)Department of Epigenetic Medicine, Faculty of Medicine, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Chuo, Japan

\(^2\)Complihensive 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, Hamamastu 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)
   Complihensive Research Organization, Waseda University, Tokyo, Japan

**Symposium 5: Potentially treatable neurological disorders in children: An update**

Chairs: Nobuyuki Shimozawa, Tokiko Fukuda* (Japan)

\(^1\)Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

\(^2\)Department 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 management
Chairs: Shinji Saitoh1, Takanori Yamagata2 (Japan)
1Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
2Department 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 neurologists
Chairs: Seiji Yamaguchi1, Hideo Sugie2 (Japan)
1Department of Pediatrics, Shimane University School of Medicine, Izumo, Japan
2Department 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
   Kyouko 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 prefecture
Chairs: Hidemoto Kubota1, Satoshi Tsurui2 (Japan)
1National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
2Departments 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)
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 childhood

Chairs: Masashi Mizuguchi¹, Hideo Yamanouchi² (Japan)

¹Department of Developmental Medical Sciences, The University of Tokyo, Tokyo, Japan
²Department 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, Japan
²Department 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, Japan
²Department 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 Fuji¹, Hitoshi Osaka² (Japan)

¹Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan
²Department 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)
¹Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan
²Department 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)
¹National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan
²Department 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)
¹Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
²Division 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

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 Sasaki, Ryutaro Kira, Hideo Sugie (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 / National Center Hospital, NCNP, Tokyo / Translational Medical Center, NCNP, Tokyo

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 Tajiri*, Masaya Kubota, Hirofumi Kashi (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 Ohno, Toyojiro Matsuishi (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 Nagai, Soichiro Tanaka (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. Parental 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 authorisation of new intravenous antiepileptic drugs and tacrolimus for autoimmune epilepsy

Chairs: Hirokazu Oguni, Masaharu Hayashi (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 Sugai, Katsuo Sugita (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 IRYOUTEKIKEA

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 Yamanouchi, Hiroaki Sakamoto (Japan)
1. Summary of opinions on ML of JSCN board
Hideo Yamanouchi
Department of Pediatrics, Saitama Medical University School of Medicine, 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

Practical Education Seminar 1: Congenital Malformation Syndrome: From Basics to Clinics "How to approach it?"

Chairs: Takeo Kubota*, Kenji Kurosawa (Japan)
Panelists: Yoshihashi Hiroshi*, Kuroda Yukiko* (Japan)
Commentator: Mizuno Seiji* (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

Chairs: Jun-Ichi Takanashi, Hiroshi Oba (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 Yamamoto², Yasunari Sakai², Takahito Wada³ (Japan)
¹Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
²Department of Pediatrics, Jichi Medical University, Tochigi, Japan
³Tokyo Women’s University Institute for Integrated Medical Sciences, Tokyo, Japan

Practical Education Seminar 5: Clinical Usefulness of Child Neurophysiology - Demonstration of EP/ERP -
Chairs: Masumi Inagaki¹, Hideo Enoki² (Japan)
¹Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan
²Department 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, Nippon Medical School, Tokyo, Japan

Sponsored Seminar 7
Examining the Brain Function in ADHD: Effect of Treatment using Functional Near-Infrared Spectroscopy (fNIRS)
Yukifumi Monden*, Ippeiya Dan, Takenori Yamagata (Japan)
Department of Pediatrics, Jichi University Hospital, Tochigi, Japan / Jichi Children’s Medical Center, 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 hypertonia
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)
¹Hamamatsu City Medical Center for Developmental Medicine, Hamamatsu, Japan
²Department of Child Neurology, Shimada Ryoiku Center Hachiogi, Tokyo, Japan

1. Introduction
Hideo Sugie (Japan)
Department of Pediatrics and Jichi Children’s Medical Center, Jichi Medical University, Tochigi, Japan

2. A Practicing Pediatrician’s 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 inoju elementary school, Hamamatsu, Japan

6. About independence of severely retarded children’s parent and child
Fujita Kobayashi (Japan)
Social welfare corporation incle fujii ,Shizuoka,Japan

7. The role of association of parents in the region
Tatsuo Oishi (Japan)
Nonprofitable 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)
Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan
Whole exome sequencing reveals molecular basis of childhood cerebellar atrophy
Hitoshi Osaka*, Yu Teuyusa, Mizue Iai, Sumimasu Yamashita, Nobuyuki Shimozawa, Yoshikatsu Eto, Hirotomo Saitsu (Japan)

Department of Pediatrics, Jichi Medical School, Shimotsuke, Japan / Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan

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

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

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

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

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 Shihiara, 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

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

Phenotype of infantile epilepsy with a PRRT2 Mutation
Ayuko Igarashi*, Akihisa Okumura, Shinpei Abe, Katsuhiro Kobayashi, Iori Ohmori, Atsushi Ishii, Shinichi Hirose, Tomonari Awaya, Toshiyuki Yamamoto, Toshiaki Shimizu (Japan)

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

Effect of CYP2C19 polymorphisms on stiripentol administration in cases of Dravet syndrome
Takeshi Kougou*, Mariko Takagi, Rie Anzai, Mutsumi Sato, Mitsuaki Okada, 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

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

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

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

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

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

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

Efficacy of bromide for severe epileptic encephalopathies in early infancy
Kenji Sugai*, Eiji Nakanagawa, 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

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 Iwaski*, 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 Mitsushashi, 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, Ippeita Dan, Hideo Shimoizumi, Eijyu Watanabe, Takenori Yamagata (Japan)
Department of Pediatrics, Jichi Medical University, Tochigi, Japan
E-031 Daily alteration of melatonin and oxidative stress markers in preterm infants
Naoyuki Tanuma*, Rie Miyata, Naoyuki Tanuma (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
Naoyuki Tanuma*, Rie Miyata, Masaharu Hayashi (Japan)
The Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, 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 Nagui, Wei Shan, Kiyounori 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-100 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-101 The Efficacy of Squatting Posture for the Spastic Type Cerebral Palsy
Shigeru Hanada*, Fumie Kimura (Japan)
*Tokyo Metropolitan Medical Rehabilitation Center for the Disabled, Tokyo, Japan
O-120 *Statute 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 repair in a patient with severe motor and intellectual disability
Mika Hayakawa*, Hideho 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 Wakamato*, Nozomi Sano, Yosikai 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 nasogastric tube
Yuusuke Saiki*, Kyo Ohne, 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*, Yoshihisa Kaga, Chikako Ono, Yuhko Kamiya, Sayaka Ishii, Hideaki Kanemura, Masao Aihara (Japan)
Departments of Pediatrics, National Hospital Organization Kofu Hospital, Kofu, Yamanashi, Japan / Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Chuou, 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, Taeika 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 Ito, Norio Kawamoto, Hidenori Ohnishi, Toshiyuki Fukao, Ryu 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 Naguchi, Yuji Haru, 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, Naomichi Fukushima, Yukiko Hayashi, Makiko Oosawa, Satoru Nagata (Japan)
Department of Pediatrics, Tokyo Women's Medical University School of Medicine, Tokyo, Japan

Oral Presentation: Genetics 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
Shunpei Uchino*, Hirotomo Saitsu, Emi Kasai, Satoko Kumada, Ayaka Koi, 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 syndromes who presented West syndrome
Koji Takahashi*, Mamiko Hotate, Shimpei Baba, Keisuke Nakajima, Ayako Kashimada, Yuji Sugawara, Mitsuhiro Kato, Hiroto Moto Saito (Japan)
The Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan

O-030  First report of PTCH2 mutation in a girl with basal cell nevus syndrome in Japan
Hajime Ikemura*, Katsunori Fujii, Hirofumi Ohashi, Hiromi Mizuochi, Tadashi Shiohama, Hideki Uchikawa, Tohshiyuki Miyashita (Japan)
Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan

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

O-032  Cardiac Assessment using fractional shortening in 143 cases with Duchenne muscular dystrophy
Tomoko Lee*, Noriko Kusumoto, 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, Hiroshi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Satoko Takano, Hirohumi Imazuki, Yuji Abe (Japan)
The 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 Uchijama*, Satoshi Kuri, Terumi Murakami, Keiko Ishigaki, Takatoshi Sato, Ayako Hattori, Takahiro Nakayama (Japan)
TANETA Body Weight Scientific Institute, Tokyo, Japan

O-036  Validity of estimating muscle volume by bioelectrical impedance analysis in FCMD
Terumi Murakami*, Tomoka Uchiyama, Satoshi Kuri, Takahiro Nakayama, Takatoshi Sato, Makiko Osawa, Satoru Nagata, Keiko Ishigaki (Japan)
Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan
Oral Presentation: Genes 1
O-037 Inherited GPI deficiencies due to abnormal structure: PGAP1 deficiency and PGAP3 deficiency
Yoshiko Murakami*, Taroh Kinoshita (Japan)
Department of Immunoregulation Research Institute for Microbial Diseases Osaka University, Japan / WPI Immunology Frontier Research Center, Osaka University, Osaka, Japan
O-038 Siblings with MCT8-Specific Thyroid Hormone Cell Transporter Deficiency
Riyo Ueda*, Akiko Tamashiki, Wataru Matsumura, Youko Nishimura, Noriyuki Namba, Yoshishiro Megaki (Japan)
Neuropediatrics, Faculty of Medicine, Tottori University, Tottori, Japan
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, Kitasato 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)
Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
O-041 MLC derived from a microdeletion of 11q23.3-24.2 including HEPCAM
Shino Shimada*, Masaya Kubota, Keiko Shimojima, Satoshi Nagata, Toshiyuki Yamamoto (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan / Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

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)
Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan
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 Momenaka, Hiroshi Isumi, Takashi Ichiyama (Japan)
The Department of Pediatrics, Yamaguchi University of Medicine, Ube, Japan
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, Taniko Negoro, Kazuyoshi Watanabe, Jun Natsute (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 Ikura, Ai Hoshino, Hiroshi Terashima, Masaya Kubota, Gaku Yamana, Takashi Kawashima, Kenjiro Kikuchi, Kaoru Amemiya (Japan)
Department of Developmental Medical Sciences, The University of Tokyo, Tokyo, Japan
O-047 Genetic analysis of severe acute encephalopathy with status epilepticus
Gaku Yamana*, Mika Takashita, Shingo Oana, Yu Ishida, Shinichiro Morichi, Makiko Saitou, Masashi Mizuguchi, Shinichi Hiose, Hisashi Kawashima (Japan)
Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

Oral Presentation: Acute encephalitis, encephalopathy 2
O-048 Distribution of Brain Lesions in Neonatal Herpes Simplex Encephalitis
Hiroyuki Kidokoro*, Akihisa Okumura, Takeshi Tsuji, Tetsu 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 MER1 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, Suita, Japan
O-050 Three cases of acute encephalopathies showing high DWI on the occipital cortex, followed by BTA
Ohno Atsuko*, Motomasa Suzuki, Kazuya Ito, Takeshi Tsuji, Tetsuo Kubota, Akihisa Okumura, Naoki Ando, Shinji Saitoh, Jun Natsute (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, Taumesaburo 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, Ryuouhei 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, Tonomori Suzuki, Taiki Shima, Jyunichi Takanashi, Atsuko Yamamoto, Yuuki Ishidou, Kenjiro Kikuchi (Japan)
Department of Pediatrics, Juntendo University Nermia 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, Jyunich Takanashi, Mitsuuto 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, Tonomori Suzuki, Toshikai 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-aquaporine-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 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
Tsunoshi Matsuzuka*, Masato Miyake, 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-Ichiyo Hamano, Yoko Hirata, Yuji Kumagai, Kenjiro Kikuchi, Manabu Tanaka, Motoyuki Minamitani (Japan)
Department of Neuroradiology, Saitama Children's Medical Center, Saitama, Japan

O-062  A case of multiple sclerosis with intractable optic neuritis following varicella zoster ophthalmitis
Naoko Shiba*, Shoko Yamauchi, Mitsuo Mtobayashi, Taemi Nimi, Takaumi 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
Kentarou Kawanura*, Koki Nikaido, Nobutada Tachi, Hiroyuki Tsutsumi, Nobuhiro Mikuni (Japan)
The 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 Kawakaki, Masataka Hukuoka, Yuji Hattori, Hitomi Tsui, Asako Horino, Ichiro Kuki, Shin Okazaki, Masako Okada, Kiyotaka Tomiwa (Japan)
The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

**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 Takahisa, Satoshi Takada, Kazutomo Iijima (Japan)
The 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 Kitaoa, Takuo Kubota, Koji Tomoinaga, Shin Nabetame (Japan)
The Department of Pediatric Neurology, 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  Laterality and seizure outcomes after callosotomy in epilepsy patients with focal abnormalities
Reiko Koichiura*, 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, Hitetsugu Nakatsukasa, Mutsuki Shioda, Yasushi Ito, Hirokazu Oguni, Satoru Nagata (Japan)
Dept of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan

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 Matsamura*, Shin-Ichi 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 Kawashiki, Masatako Fukuoka, Hitomi Tsuji, Asako Horino, Megumi Nukui, Ichirou Kuki, Shin Okazaki (Japan)
Osaka City General Hospital, Osaka, Japan

Oral Presentation: Epilepsy, seizures 3

O-078  Three siblings with glycosylphosphatidylinositol(GPI) deficiency with neonatal myoclonic seizure
Yukiko Mogami*, Hiromi Toshikawa, Yuuichi Kimizuru, Sadami Kimura, Tae Ikeda, Keiko Yanagihara, Yasuhiro Suzuki, Nobuhiko Okamoto, Yoshihiko Murakami, Taro Kinoshita (Japan)
Osaka Medical 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 Hagiya, Osaka City General Hospital, Osaka, Japan

O-081  Seizure type in ring chromosome 14 with breaking point at p11.2q32.3
Shinsaku Yoshitomi*, Tokito Yamaguchi, Akiro Watanabe, Kazuki Tsukamoto, Hiroato Nasu, Yuki Ueda, Hideyuki Otani, Hiroko Ikeda, Hideo Shigematsu, Katsumi Imai (Japan)
Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

O-082  Two cases of Pallister-Killian Syndrome with Infantile spasms
Tomoko Kobayashi*, Mitsugu Uematsu, Tajiyo Nakayama, Atsuo Kikuchi, Wakaba Endo, Hirotomo 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.14570G>A variant
Satoshi Inoue*, Toshio Osamura, Koji Tagawa, Hiroshi Kubo, Tadaki Omae (Japan)
Department of Pediatrics, Kyoto Second Red Cross Hospital, Kyoto, Japan
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 Matsumuda (Japan)
Otsu Red Cross Hospital, Shiga, Japan / National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

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 Envolmental 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, Tsuneuki Nakamura, Yutaka Saikawa (Japan)

O-088 Landau-Kleffner syndrome in a child with periventricular leucomalacia.
Noboru Yoshida*, Shinpei Abe, Mitsuru Ikeno, Ayuko Igarashi, Eri Nakahara, Kyoko Tanaka, Akihisa Okumura,
Toshiaki Shimizu (Japan)

Department of Pediatrics, Kanazawa Medical University, Ishikawa, Japan

O-089 Childhood febrile seizures provide neural circuit bases for adulthood memory performance
Ryuta Koyama*, Kentaro Tao, Junya Ichikawa, Norio Matsuki, Yuji Ikegaya (Japan)

Laboratory of Chemical Pharmacology, Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo, Japan

O-090 Gelastic seizures: A case of refractory epilepsy as a sequelae of acute encephalopathy
Yachi Abe*, Anzu Noda, Kaori Sassa, Hideo Yamanouchi (Japan)

Department of Pediatrics, University of Occupational Envolmental Health, Fukuoka, Japan

O-091 Decreased seizure threshold and interneuron vulnerability in experimental polymicrogyria
Tomoyuki Takano*, Noriko Nishikura, Seiichirou Yoshioka, Yuko Sakaue, Chihiro Sawai, Yoshihiro Takeuchi (Japan)

Department of Pediatrics, Shiga University of Medical Science, Otsu, Japan

Oral Presentation: Epilepsy, seizures 5

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?
Hirotsu Nasu*, Yukitoshi Takahashi, Ryouhei Takahashi, Yoshiaki Yamamoto, Shinsaku Yoshiomita, Hiroyasu Watanabe,
Tokito Yamaguchi, Hideyuki Ohtani, Hiroko Ikeda, Katsumi Imai (Japan)

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

O-094 Acute encephalopathy with Dravet syndrome: three case report
Toru Takatori*, Akira Kumakura, Masatoshi Nakata, Rie Nakai (Japan)

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

O-095 \( N'\)-desmethylclobazam monitoring prevents somnolence even optimum serum clobazam
Jun Kubota*, Ryuki Matsuura, Shin-Ichiro Hamano, Hiroyuki Ida (Japan)

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

Oral Presentation: Imaging

O-096 A change of \( 123\text{I} \)-iomazenil SPECT by adrenocorticotrophic hormone therapy in West syndrome
Satoru Ikemoto*, Shin-Ichiro Hamano, Yuko Hirata, Koto Ko Suzuki, Atsuko Ooba, Ryuki Matsuura, Kenjiro Kikuchi,
Hiroyuki Ida (Japan)

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

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-iomazenil SPECT by adrenocorticotrophic hormone therapy in West syndrome
Satoru Ikemoto*, Shin-Ichiro Hamano, Yuko Hirata, Koto Ko 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 Miyachi, Tomoyuki Ishii, Masako Nagashima, Yukifumi Monden, Hitoshi Osaka,
Hidesugie, Yukitoshi Takahashi, Takehito 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)
Kitano Hospital, Osaka, Japan

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, Sakohoko 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)
The Department of Pediatrics, Self Defense Force Fukuoka Hospital, Fukuoka, Japan / The Department of Pediatrics, National Defense Medical College, Saitama, Japan
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, Moriyaama, Japan
O-105 Sodium pyruvate therapy on 8 patients with mitochondrial disorders
Yutaka Negishi*, Ikumi Horii, Akayo Hattori, Naoki Ando, Tetsuya Ito, Shinji Saitoh (Japan)
Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medicine, 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*, Muneki 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*, Kunihiro 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, Motomichiko Kosuga, Michiko Shinpo, Mika Ishige, Hideyuki 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 knockout 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 GMI Gangliosidosis
Toshiaki 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 GMI gangliosidosis
Eiji Nanba*, Katsumi Higaki, Kaori Adachi, Kousaku Ohno, Suzuhi Yoshiiwai (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 Saito*, Takanori Ezoe, Hirokomo Saitou, Masaharu Hayashi, Kiyoko Kurata (Japan)
Department of Pediatrics, Tokyo Metropolitan Higashiyama Medical Center for Developmental/multiple disabilities, Tokyo, Japan

Oral Presentation: Autism spectrum disorder 1
O-114 SHANK3 mutation causes a female patient with Rett syndrome
Munetsugu Hara*, Yushiro Yamashita, Toyojiro Matsushi (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(I:C) Mouse Model
Tomohiro Nakayama*, Nobuki 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, Takunori 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 Tomiya, 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 children  
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)  
The 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)  
The Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan

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O-126  Clinical characteristics and outcome of Moebius syndrome  
Kiyoshi Matsui*, Koji Tanoue, Jun Shibasaki, 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, Tsutom Ogata (Japan)  
The 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, Takunori Yamagata (Japan)  
Department of Pediatric Neurology, Jichi Medical University, Tochigi, Japan / Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, 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)  
The Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Tokyo Women’s Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

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O-132  Epileptic seizures in Setos syndrome  
Motonara Suzuki*, Atsuko Ohno, Soji Mizonou, Kazuya Itomio (Japan)  
Department of Pediatric Neurology, Aichi Children’s Health and Medical Center, Aichi, Japan

O-133  Epilepsy of infants with trisomy in the neonatal period  
Masaharu Tanaka*, Tatsuya Fukasawa, Tetsuo Kubota, Tamiko Negoro (Japan)  
The 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 tracheostomy due to breath holding attack
Yuki Anzai*, Tatsuo Ohya (Japan)

Institute of Severely Disabled Children Salvia, Yokohama, Japan

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 Itok (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
Mihoko Nakamura*, Yuka Moriyama, Masahiro Hira, Naoko Kurashashi (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-
Tomohiro Okumura*, Akihiko Kawasaki, Tomoko Miura, Tomoko Mizuta, Naoko Kurimoto, Takashi Takeshita, Masaki Uno, Eiji Wakamiya, Hiroshi Tama (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*, Tomohiro Okumura, Akihiko Kawasaki, Makoto Nakashini, Tomoko Miura, Naoko Kurimoto, Takashi Takeshita, Masaki Uno, Eiji Wakamiya, Hiroshi Tama (Japan)
Osaka Medical College, LD Center, Takatsuki, Japan

O-143  Validity of Comprehensive Assessment of Reading Domains (CARD) 3 -Learning Achievement-
Akihiko Kawasaki*, Tomohiro Okumura, Makoto Nakashini, Yuuko Ogino, Mekumi Mizuta, Eiji Wakamiya, Hiroshi Tama (Japan)
University of Toyama Faculty of Human Development, Toyama, Japan

O-144  Renal dysfunction in patients with Fukuyama congenital muscular dystrophy
Keiko Ishigaki*, Terumi Murakami, Takatoshi Satow, 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  Steroid treatment and the development of scoliosis in Duchenne muscular dystrophy
Kazu Kuhota*, Akihiko Ishihara, Hirofumi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nagakawa, Kenji Sugai, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

O-146  The parathyroid hormone therapy for muscle weakness in muscular dystrophy
Shigemi Kimura (Japan)
Department of Child Development, Kumamoto University Graduate School, Kumamoto, Japan

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 Clements (Japan)
Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan / University of Pittsburgh, Pittsburgh, U.S.A
Development of the clinical practice guidelines for Duchenne muscular dystrophy
Tsuyoshi Matsumura*, Hirofumi Komaki, Mitsuru Kawai, Clinical Practice Guidelines The Editorial Committee (Japan)
Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Japan

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

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

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

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

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Department of Pediatrics, Nuclearo 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*, Haruhihiko Aoyama, Kumiko Karasawa, Kaori Kaneko, Yuki Tsuchiya, 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)
Divisional Pediatrics, Nishibeppu National Hospital, Beppu, Japan

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Hiroaki Ono (Japan)
The Departments of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan

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Chitose Sugiura*, Ayako Tanabe, Hiroko Kure, Madoka Shiota, Yoshihiro Maegaki (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)
Funabashihutawahospitai, Funabashi, Japan

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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 Kimuma, Tae Ikeda, Yukiko Mogami, Yasuhiro Suzuki (Japan)
Osaka Medical Center and Research Institute For Maternal and Child Health, Izumi, Japan

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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 Kawakawa, 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, Yosihiyuki Hanaoka, Yoshinori Kobayashi,  
Katsuhiro 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, Shinichii 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 Iyoeda*, Kazunori Oogwa, 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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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

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Yuichi Takami*, Michio Inoue, Eiko Satake (Japan)  
Pediatrics, Himeji Red Cross Hospital, Hogo, 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)  
Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan

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Ryoko Honda*, Yoshiaki Saito, Takashi Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Akihisa Okumura (Japan)  
National Nagasaki Medical Center, Department of Pediatrics, Nagasaki, Japan / National Center of Neurology and Psychiatry, Department of Child Neurology, Tokyo, Japan

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  Frontoal absence epilepsy with aggravations of EEG findings induced by the administration of CBZ  
Takamasa Kishi*, Yuhhi Fujii, Yosihiyuki 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 Ogawa*, Eri 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, Hirossato Nasu,  
Hideyuki Ohtani, Hiroko Ikeda, Katsumi Imai (Japan)  
Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
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Eiji Wakamiya*, Makoto Nakannishi, Tomohito Okumura, Naoko Kurimoto, Mekumi Mizuta, Takashi Takeshita, Tomoko Miura,
Mari Hatanaoka, Hiroshi Tamai (Japan)
Department of Nursing, Faculty of Nursing and Rehabilitation, Aino University, Ibaraki, Japan
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Akio Nakai*, Yoshinori Mitsuhashi, Kirby Amanda (Japan)
Research Center for Children Mental Development, University of Fukui, Fukui, Japan
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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
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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 Health and Welfare, Prefectural University of Hiroshima, Mihara, Japan

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Taishi Miyachi (Japan)
The Department of Pediatrics, Nagoya Central Care Center for Disabled Children, Nagoya, Japan / The Department of Pediatrics, Nagoya City University Hospital, Nagoya, Japan
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Taiyo-no-Sono Hokkaido habilitation Center for People with Intellectual Disabilities, Date, Japan
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Nagoya City West Medical Center, Nagoya, Japan
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Kentaro Shirai*, Kaori Adachi, Kyouyou Oono, Akiko Tamamaki, Yoshihiro Maegaki, Eiji Namba, 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
Koou Tojou*, 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*, Takuasa 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
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Sadayuki Nukina, Toru Takumi, Atsushi Nishiyama (Japan)
Kakogawa east city hospital, Hyogo, Japan
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Hirakata City Hospital, Hirakata, Japan
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Sooyoung Lee*, Hirokuni Torisawa, Yoshiito Ishizaki, Masafumi Sanefuji, Michiko Torio, Yasunari Sakai, Tochioi Hara (Japan)
Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
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Ichiro Kuki*, Hisashi Kawakami, 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
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Takahiro Ikeda*, Takamori Yamagata, Yoko Taniguchi, Akihiko Miyauchi, Tomoyuki Iihii, Masako Nagashima, Yukihumi Monden,
Hitoshi Osaka, Hidee Sugie (Japan)
The Department of Pediatrics, Jichi Medical University, Tochigi, Japan
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Masahiro Ito*, Hisamitsu Tamaki, Sonoko Nakajima (Japan)
Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan
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Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
O-205  Clinical characteristics of influenza associated encephalopathy
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Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan
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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

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The Department of Pediatrics, The Jikei University, Tokyo, Japan
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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, Isuise Kondo (Japan)
Department of Pediatrics, Kawasaki Medical School, Okayama, Japan
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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, Shinuya Tsukano, Tomohiro Oishi (Japan)
Department of Pediatrics, Niigata Prefecture Humagumi Medical Rehabilitation Center for Handicapped Children, Niigata, Japan

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Meguru Goma*, Yoshinori Katayama, Hideyo Goma (Japan)
Takatsuki General Hospital, Takatsuki, Japan
O-215  Ground reaction force in human crawling
Arito You (Japan)
Department of Cognitive and Locomotor Sciences in the Super-aged Society, University of Tokyo, Tokyo, Japan / The University of Tokyo Hospital, Tokyo, Japan
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Ayumi Seki*, Daitsuke Tanaka, Yukiyasu Yaguchi, Hisakazu Yanaka, Tatsuya Koeda (Japan)
Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan
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Mieko Yoshieka (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

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Tatsuya Koeda*, Ayumi Seki, Hitoshi Uchiyama, Daitsuke Tanaka, Hisakazu Yanaka, Yukiyasu Yaguchi (Japan)
Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan
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Sendai Nishitaga National Hospital, Sendai, Japan
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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

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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 Tanai*, 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 Intelectual 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 Zenaho, Tomoyuki Akiyama, Harumi Yosinaga (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*, Hideyuki Kidokoro, Chikako Ogawa, Yoshiteru Azuma, Naoko Ishihara, Tetsuo Kobuta, 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
Hiroaki Fukuoka, Hitomi Kondo, Mina Horigaia, 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*, Nao Saito, Wakana Furushima, Yumi Okoshi, Sou Kato, Naoyuki Akihisa, Tatsuo 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 Hayata, Tsuyoshi Matsuoka (Japan)
Division of Child Neurology, Okinawa prefectural Naha Medical Center; Children’s Medical Center, Okinawa, Japan

Oral Presentation: Neuromuscular disorders

O-231 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 Neuroscience, National Research Center for Neuroscience, 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 iPS cell library for genetic muscular disorders
Takami Takehara*, Takashi Yoshida, Takanori Kato, Toshihiko Hara (Japan)
Department of Pediatrics, Kobe University Graduate School of Medical Science, Kobe, Japan

O-234 A girl with generalized myasthenia gravis successfully treated with tacrolimus following thymectomy
Aya Iwata*, Hiroyuki Nagami (Japan)
The Department of Pediatrics, Nishikibashi Medical Center, Kobe, Japan

O-235 FGF21 is a novel biomarker for muscle-related mitochondrial diseases
Shiuchi 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, Keiko Morii, Ikuho Hisada, Tomohiro Kuma, Minoru Shibata, Tastuya Fujii (Japan)
The department of pediatrics,Shiga Medical Center for Children, Shiga, Japan

Oral Presentation: Infectious, immunological diseases

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

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

LRBA gene mutation in a family with CNS demyelinating disease
Asako Ari*, Fumiyo Katoh, Syugo Hoshika, Keiko Suzuki, Satoru Ueda, Ryoji Umezut, Tsutshiko Tsunoda, Michiaki Kubo,
Noriko Mitsuuki, Koshuke Imai (Japan)
Tokyo Women's Medical University Medical Center East, Tokyo, Japan

Survey2012 of Subacute Sclerosing Panencephalitis in Japan
Yukiko Nakamura*, Hideo Aiba, Yasuhiro Suzuki, Harumi Yoshinaga, Akira Oka (Japan)
Department of Pediatrics, Kyorin University, Tokyo, Japan

CSF and serum levels of microtuble-associated protein 2 in subacute sclerosing panencephalitis
Takeshi Matsuishi*, Hirofumi Inoue, Madoka Kazimoto, Momoko Oka, Hiroshi Momonaka, Shunji Hasegawa (Japan)
Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

Diagnosis of congenital cytomegalovirus infection using preserved umbilical cord
Hirokazu Kurashashi*, Shunsuke Ohgaya, Naoko Kurashashi, Ayako Umemura, Keitaro Yamada, Koichi Maruyama, Kosaburo Asa,
Yoshihara Ito (Japan)
Department of Pediatrics, Aichi Aoihabo Habilitation Center for challenged, Nagoya, Japan / Aichi Prefectural Colony Central Hospital, Kasugai, Japan

Characteristic clinical features of congenital cytomegalovirus infection diagnosed by umbilical cord
Mitsugu Uematsu*, Atsuo Kikuchi, Tojo Nakayama, Naomi Fukuyo, Kazuhito Haginoya, Shiego Kure (Japan)
Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

Hashimoto's encephalopathy presenting with vertigo and muscle weakness in a young boy.
Hiroe Ueno*, Chizuru Nishizato, Hitomi 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

Expanded phenotypic spectrum of ATL1 mutations-a severe case associated with p.Gly409Asp mutation
Takahir Yonekawa*, Yausushi Oya, Kenji Sugai, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Department of Neuroumuncular research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

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,
Lubica Callovic (Japan)
Dept. Mental Retardation & Birth Defect Research, Nactinae Institute of Neuroscience, NCNP, Tokyo, Japan

Evaluation of hypothalamo-pituitary-adrenocortical function after ACTH therapy on epileptic spasms
Yuri Sakaguchi*, Tomohide Goto, Yoji Ikuta, Hiromi Arai, Sunao Tomita, Suhosho Miyama (Japan)
Division of neurology, Tokyo metropolitan children's medical center, Tokyo, Japan

Two Cases of Benign Myoclonus of Early Infancy with Developmental Delay and Autistic Symptoms
Hiromitsu Yoshikawa*, 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

5 cases with syndrome of eyelid myoclonias with absence (EMA)
Yoshiko Hiroshi*, Hirokazu Ogumi, Aiko Nishikawa, Matsuki Shioda, Satoru Nagata (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

A case of Late-onset Lennox-Gastaut syndrome with autoantibody to glutamate receptor
Yuji Fujii*, Yoshiyuki Kohayashi, Nobutane Ishihuka, Yukitoshi Takahashi (Japan)
Department of Pediatrics, Hiroshina University, Hiroshina, Japan

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

The sequential EEG study on DEND syndrome treated with sulphonyleureas and ketogenic diet
Masataka Fukuoka*, Hisashi Kawakami, 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

Two cases that presented convulsions with a burn at existence heat
Yousuke 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, Mitsuuru 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, Yuri Hirata, Atsuko Oba, Yuji Kumagai, Manabu Tanaka, Motoyuki Minamitani, Hiroyuki Idaka (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)
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)

O-262  TREATABLE CEREBELLAR ATAXIA: Two Siblings of Cerebral Polate Transport Deficiency
Yuu Tsuuyukita*, Mizue Iai, Rie Anzai, Motsumi Sato, Mariko Takagi, Mitsuko Okuda, Kyoko Takano, Hitoshi Osaka, Sumimasa Yamashita, Hiromoto Saitoe (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)

O-264  Cord blood transplantation for adrenoleukodystrophy at advanced and early stage
Yurika Numata*, Tomoko Kobayashi, Mitsugu Uematsu, Osamu Sakamoto, Mieko Hirose, Naomi Fukuyou, Toujou Nakayama, Yuko Sato, Shigeo Kure (Japan)
The Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

Oral Presentation: Attention Deficit Hyperactivity Disorder

O-266  Neuropsychological test before and after Summer treatment program for children with ADHD
Kotaro Yuge*, Takashi Ohy, Akira Ikeda, Shinichiro Nagamitsu, Chiyomi Egami, Yushiro Yamashita, Toyojiro Matsushishi (Japan)
The Department of Pediatrics and Child Health Kurume University School of Medicine, Kurume, Japan

O-267  Japanese Impairment Rating Scale (IRIS) Investigation for the ADHD children in this department
Ryo Koyota*, Rie Kanaya, Takehi Inoue, Keiichi Shimamura, Ryoichi Sakuta (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 ADHD: a NIRS study
Kenji Mori*, Hiromichi Ito, Yoshihiro Toda, Masahito Miyazaki, Hiroko Hashimoto, Hiroe Tani, Shojo Kagi (Japan)
The 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, Shojo Kagi (Japan)
Department of Pediatrics, University of Tokushima, Tokushima, Japan

O-271  Drug therapy for ADHD: Investigation of low dose use of Atomoxetine
Michiko Sugama*, Assayo 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 Sato, Rie Anzai, Mitsuko Okuda, Yu Tsuyusaki, Kyouko Takano, Mizue Iai, Kazuyuki Nakamura, Hirotomo 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
Hirosa Ideguchi*, Yukiko Iham, 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*, Kazuyuri Yagyu, Naoko Asahina, Shinobu Kohsaka, Hideaki Shiraishi (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 Care, 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, Yujuichi 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, Yasuho 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 Iwami*, Chihito Yonee, Yasuo Aihara, Shingo Fujio, Kazumari Arita (Japan)
Department of Pediatrics, NHU 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, Sachio Hayakawa, Izumi Hara, Junnichi Yamamoto, Atsuko Matsuzaki (Japan)
The Department of Neuropsychiatrics, Shizuoka Iryou Fukushi Center, Shizuoka, Japan / Shizuoka batutsu Shoyaisy Shien Center, Shizuoka, Shizuoka, Japan
O-284  Investigation of Scissors Training Using Visual Cue in Children with Autism Spectrum Disorders
Taro Ohtoshi*, Satoshi Takada, Chihiro Igarashi, Hiroki Katayama, Miwa Ohtoshi, Yoshiaki 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, Mikiyo Sato (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, Yuumiko Ohno, Tomohiko Hasegawa, Setsuko Kinoshita, Takako Tamura, Yukiko Namba, Michiko Makino, Mitsunobu Matsuda, Keiko Akahoshi (Japan)
Department of Pediatrics, Tokyo Children’s 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, Keichi Aizaki, Yuri Ozawa, Yuki Inoue (Japan)
Department of childneurology, Shimada-Ryouku 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 Akebano 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  
Kanako Maiduru*, Takako Tsuru, Toshio Mihara (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, Japan / Matsudo City Hospital Pediatric Medical Centre, Chiba, Japan*

P-004  A case report of Enlarged parietal foramina  
Kosuke Koshishi*, Tomohiko Tsuru, Masato Mori, Keiko Okumura (Japan)  
*The department of Pediatrics, Kamogawa Municipal Hospital, Chiba, Japan / Matsudo City Hospital Pediatric Medical Centre, Chiba, 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 G6PC3 deficiency with neurological symptoms  
Yu Kobayashi*, Hideshi Kawashima, Shinichi Magara, Noriyuki Akasaka, Jun Tohyama (Japan)  
*Department of Child Neurology, Niigata University, 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*, Kanji Ikeda, 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, Masaumi Sunefuji, 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 Okawa, 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)  
*Odsawara Municipal Hospital, Odawara, Japan*

P-016  A fulminant case of childhood Guillain-Barré syndrome required mechanical ventilation on day 2  
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, Tonouki 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 Aaway*, Minako Ide, Keiko Saito, Takeshi Yoshida, Taeo 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, Katsuhito 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)
Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry (NCP), Tokyo, Japan
P-022 The developmental changes of response to variability in children with AD/HD
Yasuho Tsubimura*, Satoshi Sanada, Katsufumi Yanagihara, Shigeru Ohno, Makio Oka, Tatsuya Ogino (Japan)
Department of Rehabilitation, Hiroshima International University, Hiroshima, Japan
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)
The pediatric department, University of Yamanashi, Yamanashi, Japan / The pediatric department of Yamanashi prefectural central hospital, Yamanashi, Japan
P-024 Role of apolipoprotein E isofom in infants of AD/HD
Koji Azumaga*, Tuyoshi Horiuchi, Keiko Tanaka (Japan)

**Poster Presentation: Attention Deficit Hyperactivity Disorder 2**

P-025 The effects of cognitive training by using computerized software for working memory in ADHD/ADD
Manami Honda*, Izumi Ichihashi, Keiji Hashimoto, Motoko Hashimoto, Yoshiko Nemoto, Akiko Yamamoto, Makoto Inami (Japan)
NICO Pediatric Clinic, Tokyo, Japan / National Center for Child Health and Development, Tokyo, Japan
P-026 Responsiveness of QCD in Japanese children with ADHD in clinical practice
Taro Goto*, Yasushi Takita, Hideyuki Imagawa (Japan)
Medical Science, Lilly Research Laboratories Japan, Eli Lilly Japan K.K., Kobe, Japan
P-027 Examination of the medical treatment effect of the ADHD using WISC-III
Mina Kouno*, Hiroto Akaike, Atsushi Katou, Eisuke Konou (Japan)
The Department of Pediatrics, Kawasaki Medical School, Okayama, Japan
P-028 Clinical characteristics about long-term administration of atomoxetine
Yusaku Endo*, Kouichi Hirao, Teruhiko Suzuki (Japan)
Department of Pediatrics (Pediatric Neurology), Matsuyama Red Cross Hospital, Matsuyama, Japan
P-029 PK profile and palatability of Atomoxetine oral solution in healthy Japanese adults
Masako Nakano*, Yoichi Sato, Jennifer Witcher, Taro Goto (Japan)
Eli Lilly Japan K.K., Kobe, Japan / Eli Lilly and Company, Indianapolis, United States

**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 Ohitsuka (Japan)
Department of Pediatrics, Matsuyama Red Cross Hospital, Matsuyama, Japan
P-031 Correlation between executive function and intelligence test in children with developmental disorder
Yoko Kado*, Satoshi Sanada, Tatsuya Ogino, Shigeru Ohno, Kiyoko Watanabe, Kousuke Nakano, Teruko Morooka, Makio Oka, Katsuhito Kobayashi (Japan)
Department of Psychology, Faculty of Letters, Kansai University, Osaka, Japan
P-032 Regional brain activation during the self-face recognition in pediatric eating disorders
Takeshi Inoue*, Yuiko Sakuta, Keiichi Shimamura, Hiroko Ichikawa, Megumi Kobayashi, Ryoko Otani, Masami Yamaguchi, Tsukuru Kanazawa, Ryoichi Sakuta (Japan)
The Development of Pediatrics, Dokkyo medical university Koshigaya Hospital, Saitama, Japan / Cernter for Child Development and Psychosomatic Medicine, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan
P-033 Evaluation of TPN treatment efficacy in adolescent patients with severe eating disorder
Akira Tamura*, Koichi Minami, Yuuko Tsuda (Japan)
Department of Pediatrics, Wakoayama Medical University, Wakoayama, Japan
P-034 A nonattending 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)
Department of Pediatrics, Shinada Ryuoku Center Hachioji, Tokyo, Japan
P-035  Strategy of Psychiatric Intervention after the Great East Japan Earthquake
Yoshitaka Iwadare (Japan)
Kohnodai Hospital, National Center for Global Health and Medicine, Ichikawa, Japan

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)
Department of Pediatric Neurology, Aichi Prefectural Colony Central Hospital, Kasugai, Japan

P-037  Two imaging studies of abused head trauma with contusional tear
Kuniko Ida*, Kazuhiro Muramatu, Noriko Sawaura, Miyuki Kouno, Hirokazu Arakawa (Japan)
Gunmaken Saiseikai Maebashi Hospital, Gunma, Japan

P-038  The association between severity of retinal hemorrhage and neurological prognosis
Kenji Watanabe*, Shunsuke Nakagawa, Kazuyuki Yotsumata (Japan)
Kagoshima City Hospital, Kagoshima, Japan

Poster Presentation: Developmental disorders 1
P-039  Examination of walk development with the age of children with disability whom prescribed insoles.
Yuko Yamauchi*, Manami Honda, Makiko Aiba, Keiji Hashimoto (Japan)
Development Evaluation Center of National Center for Child Health and Development, Tokyo, Japan / Department of Pediatrics, Jikei Medical school, Tokyo, Japan

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)
Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

P-041  Three infant follow-up cases considered higher brain dysfunction
Tsuyoshi Omi*, Kyomi Hirayasu, Satoshi Oshiro, Yukiatsu Nakada (Japan)
Department of Pediatrics, Okinawa Seishiryougoen, Okinawa, Japan

P-042  Cases of intelligence test for INAS-FID registration
Hisako Yamamoto*, Yusaku Miyamoto, Miho Adachi, Masaaki Ikoma, Masumi Inagaki, Hitoshi Yamamoto (Japan)
Kawasaki Municipal Tama Hospital, Kanagawa, Japan / Department of Pediatrics, St.Marianna University School of Medicine, Kanagawa, Japan / Department of Developmental Disorders, National Institute of Mental Health, NCNP, Tokyo, Japan

Poster Presentation: Developmental disorders 2
P-043  Evaluation of children with developmental disorders using Questionnaire-Children with difficulties
Akihiko Araki*, Akie Okayama, Shijo Yamamoto, Satoru Takahashi, Hiroshi Azuma (Japan)
The Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan

P-044  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, Ichizou Nishino, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-048  Severe infantile form of congenital myopathy with cortical dysplasia and hypertrophic cardiomyopathy
Seito Hisamatsu*, George Imataka, Shoko Saitoh, Yoshiyuki Watabe, Hiroshi Suzumura, Shigeki Kuwajima, Nobuyuki Murakami, Ichizo Nishino, Ikuya Nonaka, Osamu Arisaka (Japan)
Devision of Neonatology, Perinatal Medical Center, Dokkyo University School of Medicine, Tochigi, Japan / Department of Pediatrics, Dokkyo University School of Medicine , Tochigi, Japan

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, Ichizou Nishino, Masayuki Sasaki (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-050  Nemaline myopathy with hypertrophic cardiomyopathy associated with an ACTA1 mutation
Ayaka Koide*, Hirofumi Komaki, Ichizo Nishino, Yukiko Hayashi, Masaya Kubota (Japan)
Department of Neurology, Tokyo Metropolitan Children's Medical Center, Fuchu, Tokyo, Japan
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)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan / Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan

Poster Presentation: Myopathy 2
P-052  Central tegmental tract lesion in a 4 year old with centronuclear myopathy
Hideki Uchikawa*, Hirofumi Komaki, Atsuko Takagi, Hiromi Mizuochi, Maiko Suyama, Katsunori Fujii (Japan)
Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan
P-053  A family case of centronuclear myopathy due to new mutation of Rynnodine receptor 1 gene.
Tatsusharu Sato*, Kouhei Haraguchi, Takuya Hayashida, Hiroyuki Moriuchi, Yukiko Hayashi, Ichizo Nishino (Japan)
The department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan
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)
Department of Pediatrics, National Hospital Organization Chiba Medical Center, Chiba, Japan / Department of Neurology, Chiba Children's Hospital, Chiba, Japan
P-055  A Carbamazepine Responsive Child Case of Myotonia Congenita
Syoko Yamauchi*, Yuji Inaba, Mittoo Motobayashi, Taemi Niimi, Naoko Shiba, Takafulmi Nisimura, Tetuhiro Fukuyama (Japan)
The University of Shinshu, Nagano, Japan
P-056  RAPSN mutaitons in a patient with congenital myasthenic Syndrome
Yuri Kitamura*, Tomoki Ksho, Keiko Kobayashi, Ichizo Nishino, Ikuya Nonaka, Yoriko Kojima, Kayoko Saito (Japan)
Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan / Affiliated Field of Medical Genetics, Division of Biomedical Engineering and Science, Graduate School of Tokyo Women's Medical University Tokyo, Japan / Institute of Advanced Biomedical Engineering and Science and Global Center of Excellence (COE) program, Tokyo Women's Medical University, Tokyo, Japan

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)
The Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan
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)
National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
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)
Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan
P-061  Effectiveness of ACTH therapy for the psychomotor development in 2 patients with Aicardi syndrome
Aiko Nishikawa*, Susumu Ito, Yoshiko Hirano, Hirokazu Oguni, Satoru Nagata (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

Poster Presentation: Epilepsy, seizures 2
P-062  A case of epileptic encephalopathy with SCN1A mutation
Mika Takeshita*, Gaku Yamanaka, Shinichiro Morichi, Yu Ishida, Shingo Ousa, Tasuku Miyajima, Hisashi Kawashima,
Hirotomo Saitus, Mitsuhiro Kato (Japan)
The Department of Pediatrics, Tokyo Medical University, Tokyo, Japan
P-063  A case of malignant migrating partial seizures in infancy following GLUT1 deficiency syndrome
Reina Ogata*, Masaru Matsukura, Kouhei Haraguchi, Pin Fee Chong, Ryutaro Kira, Yoriko Watanabe, Hirotomo Saitus (Japan)
Fukuoka Children's Hospital, Child Neurology, Fukuoka, Japan
P-064  The examination of status epilepticus experienced in Bokutoh Hospital.
Hiroshi Futagawa*, Noriko Arai, Sonoko Nakajima, Hisamitsu Tamaki, Masahiro Ito (Japan)
The Metropolitan Bokutoh Hospital, Tokyo, Japan
P-065  Efficacy of a diazepam suppository at preventing febrile seizure recurrence in hospital
Eisuke Kondo*, Hiroto Akaide, Mina Horii, Atsushi Katou (Japan)
Pediatrics, Kawasaki Medical School, Okayama, Japan
P-066  Frequency of taking antihistamines in convulsive patients
Eishi Makita*, Youhei Sugiyama, Takayuki Hatori, Kou Ichihashi (Japan)
Saitama Medical Center Jichi Medical University, Saitama, Japan
**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, Hirosi Murakami, Masasi Taki, Hitosi Yamamoto (Japan)

Department of Pediatrics, St. Marianna University School of Medicine, Yokohama City Seibu Hospital, Kanagawa, Japan

P-068 Analysis of the metabolism factor in convulsions with mild gastroenteritis
Yuri Shirato*, Satoko Harada, Miki Yamaura, Nozomi Hirai, Keiko Watanabe, Ayako Mutou, Kitami Hayashi (Japan)

Division of Neurology and Developmental Pediatrics, Tokyo Womens Medical University Yachiyo Medical Center, Chiba, Japan / Department of Pediatrics, Tokyo Airways Medical University Yachiyo Medical Center, Chiba, Japan

P-069 Clinical picture of seizure recurrence after a first unprovoked seizure in childhood
Michio Inoue*, Erik Satate, Yuichi Takami (Japan)

Japanese Red Cross Society Himeji Hospital, Himeji, Japan

P-070 Investigation of Epileptic Aneup: Clinical Manifestation and the Therapy with Levetiracetam
Taku Omata*, Tadashi Shiohama, Kaoi Muta, Kazuo Kodama (Japan)

Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan

P-071 The prognosis of 35 cases that suspected Benign infantile seizures at first medical examination
Erik Satate*, Michio Inoue, Yuichi Takami (Japan)

Himeji Red Cross Hospital, Himeji, Japan

**Poster Presentation: Epilepsy, seizures 4**

P-072 Ictal EEG in childhood epilepsy with focal seizures
Takako Matsumoto*, Kanako Maiduru, Taikan Ooboshi, Toshirou Maihara (Japan)

Hyogo Prefectural Tsukaguchi Hospital, Amagasaki, Japan

P-073 Relationship between the frequency of seizure episodes and dipole spikes in BECCT
Tetsuya Okuzaki*, Yasuhiro Kawakami, Takehisa Fujita, Osamu Fujino, Yasuhiro Ito (Japan)

Department of Pediatrics, Nippon Medical School, Tokyo, Japan / Department of Pediatrics, Nippon Medical School Tama-nagayama Hospital, Tokyo, Japan

P-074 Retrospective Study of Etiologic Factors in the Prognosis of West Syndrome
Shin Nabatame*, Kanako Kishimoto, Junpei Tanigawa, Sanee Yamazaki, Michiko Shimpou, Sayaka Nakano, Yoshiko Iwatanai, Kouji Tominaga, Kuriko Shimono, Takeshi Okinaga (Japan)

Department of Pediatrics, Osaka University Graduate School of Medicine, Suita, Japan / Epilepsy Center, Osaka University Hospital, Suita, Japan

P-075 Treatment and development outcome in patients with West syndrome
Makiko Shimazaki*, Yoichiro Miyata, Yumiko Komatsu, Yukiko Nakamura, Toshio Nakano, Yoichiro Matsuoka, Akira Oka (Japan)

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

P-076 Clinical features of epileptic spasms developed after early childhood
Miho Fukui*, Shuichi Shimakawa, Tukuyu Tanabe, Mitsuru Kashiwagi, Syohei Nomura, Junji Mine, Hiroshi Tamai (Japan)

Department of Pediatrics, Osaka Medical College, Osaka, Japan

**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, Sanee Yamazaki, Koji Tominaga, Shin Nabatame, Kuriko Shimono, Takeshi Okinaga, Toshishaburou Nagai (Japan)

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

P-078 Echocardiographic evaluation for patients with West syndrome during ACTH treatment.
Yoji Ikuta*, Masaru Miiura, Tomohide Goto, Hiroshi Arai, Yuri Sakaguchi, Sunao Tomita, Saboko Miyama (Japan)

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

P-079 A case of tuberous sclerosis with cardiac tumors that increased by ACTH therapy of West syndrome
Ryo Nakamura*, Yukie Yasunaga, Kyoko Watanabe (Japan)

National Hospital Organization Kikurak Medical Center, Kitakyushu, Japan

P-080 The incidence reduction of seizure and the relationship of a blood level by TPM in a partial seizure
Taira Toki*, Tetsuyuki Iwasaki, Yutaka Nonoda (Japan)

Kitasato University School of Medicine Pediatrics, Sagamihara, Japan / Social insurance Sagamino hospital, Sagamihara, Japan

P-081 Prominent improvement by levetiracetam for myoclonic seizures in a girl with mitochondrial disorder
Mai Masuda*, Maiko Suyama, Atsuko Takagi, Hiromi Mizuho, Hitoshi Nishimura, Katsunori Fujii (Japan)

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

**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)

Pediatrics, Tsuchiura Kyodo General Hospital, Ibaraki, Japan
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)
Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan
P-084  A case of Mumps virus-associated acute encephalopathy with serious sequelae
Asuka Nagahama*, Hiroko Iwamatsu (Japan)
Pediatrics, Oita Prefectural Hospital, Oita, Japan
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)
Division of Child Neurology, Chiba Children’s Hospital, Chiba, Japan
P-086  A case of MERS accompanied by cerebellitis with prolonged cerebellar symptoms
Hisako Ishiwata*, Jun Kohyama, Keisukey Naokijima, Akihisa Okumura (Japan)
Department of Pediatrics, Tokyo Bay Urayasu/Ichikawa Medical Center, Urayasu, Japan

Poster Presentation: Acute encephalitis, encephalopathy 2
P-087  A case of AERRPS with a reversible splenial lesion
Wataru Matsumura*, Rio Ueda, Akiko Tamasaki, Yoshihiro Maegaki (Japan)
Tottori Prefectural Kousei Hospital, Tottori, Japan
P-088  Two cases with a reversible splenial lesion following a rare clinical course
Mari Hatanaka*, Mitsuru Kashiwagi, Takuya Tanabe, Hiroshi Tamai (Japan)
Department of Pediatrics, Rakukakai Oyowa Hospital, Kyoto, Japan
P-089  Three sisters of MERS caused by different agents
Takao Hoshina*, Kenji Fujita, Takui Imamura (Japan)
Department of pediatrics, PL hospital, Tondabayashi, Japan
P-090  Evaluation of spindle waves after status epilepticus with fever in 22 cases
Misaki Matsumura*, Jun Mine, Akiyoshi Horie, Katusuo Kodama, Seiji Yamaguchi, Momoko Yokoyama, Chigusa Oyama (Japan)
Department of Pediatrics, Shimane University School of Medicine, Shimane, Japan
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)
The division of Child Neurology, Faculty of Medicine, University of Tottori, Tottori, Japan

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)
Division of Neurology, National Center for Child Health and Development, Tokyo, Japan
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 Kakinaka, Tomoko Kobayashi, Naomihino Fukuyko, Katsuhiko Hagiwara, Sigeo Kure (Japan)
Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan
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)
Department of Pediatrics, Shiga University of Medical Science, Otsu, Japan
P-095  Limbic encephalitis associated with NMDA-type GluR antibodies and RS virus infection
Kengo Moriyama*, Susumu Sugihara, Mio Watanabe, Takashi Shihihara, Yukitoshi Takahashi (Japan)
Department of Neurology, Gunma Children’s Medical Center, Shibakawa, Japan / Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
P-096  A case of anti-NMDA-receptor encephalitis with frequent complex partial seizures
Hiroshi Shiraga*, Akihito Takeuchi, Keiko Tanaka (Japan)
National Hospital Organization Okayama Medical Center, Okayama, Japan

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 Suzyama, Katsunori Fujii (Japan)
Division of Child Neurology, Chiba Children’s Hospital, Chiba, Japan
P-098  Slowly progressive myelination in mild Polizeau–Merzbacher disease, due to a novel PLP1 mutation
Takashi Shihihara *, Mio Watanabe, Kengo Moriyama, Kiyoko Sameshima, Mitsugu Uematsu (Japan)
Department of Neurology, Gunma Children’s Medical Center, Shibakawa, Japan
P-099  Pathophysiological evaluation of MELAS strokes by ASL perfusion image
Mitsuko Okuda*, Mutsumi Satou, Rie Anzai, Mariko Takagi, Yu Tsuyusaki, Kyoko Takano, Mizue Iai, Hitoshi Osaka, Sumimasa Yamashita (Japan)
Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan
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 Yamana, Takusu Miyajima, Hisashi Kawashima (Japan)
The Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

P-101 A case of NBIA who shows characteristic Brain iron accumulation different from that of PKAN
Wakaba Endo*, Takehiko Inui, Ryo Sato, Keisuke Wakasawa, Soichiro Tanaka, Kazuhiro Haginoya (Japan)
Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan

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)
Department of Pediatrics, Iwata City Hospital, Iwata, Japan
P-103 A case of multiphasic disseminated encephalomyelitis treated with plasmapheresis
Maiko Esaki*, Toshiyuki Seto, Kenji Fujita, Kanako Yamashita, Taeka Hattori, Norikatsu Hikita, Haruo Shintaku (Japan)
The Department of Pediatrics, Graduate School of Medicine, Osaka University, Osaka, Japan
P-104 Potential of high b value diffusion weighted imaging at acute encephalopathy with biphasic seizures
Shinji Itamura*, Akiko Tamasaki, Yoshihiro Maegaki (Japan)
Division of child neurology, institute of neurological science, faculty of medicine, toottori university, Yonago, Japan
P-105 Brain MRI findings of patients with Kawasaki disease with neurological disorder
Kaori Ogit*, Toshiyuki Hikita, Daisuke Sasaki, Hayato Aoyagi, Go Kaneko, Natue Nakamoto, Hiroshi Ooba, Sigetoshi Kobayasi, Yukisige Yanagawa, Akira Kikuti (Japan)
Teikyo University School of Medicine, Department of Pediatrics, Tokyo, Japan
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)
Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan
P-107 Comparison of functional MRI analysis using MNI and Japanese pediatric template
Hitoshi Uchiyama*, Hisakazu Yanaka, Ayumi Soki, Takahiro Niida, Tatsuya Koeda (Japan)
Department of Orthoptics and Visual Science, School of Health Science, International University of Health and Welfare, Ohtawa, Japan

Poster Presentation: Neurodegenerative disorders
P-108 Case of Rett syndrome combined central sleep apnea witch necessary to introduce NPPV
Koyo Ohno*, Akiko Tamasaki, Riyo Ueda, Yoko Nishimura, Yoshihiro Maegaki, Masami Togawa (Japan)
Division of Child Neurology, Institute of Neurological Sciences, Tottori University School of Medicine, Tottori, Japan / Tottori Prefectural Central Hospital, Tottori, Japan
P-109 A long-lived case with vanishing white matter disease
Yachiya Yasuo*, Atsuko Takagi, Hiroyuki Maegaki, Satoko Kumada, Eiji Kurihara, Toshiyuki Yamamoto (Japan)
Department of neuropediatrics, Tokyo Metropolitan Neurohospital, Fuchu, Japan
P-110 A case of Meigs-Gautier's syndrome
Daishi Inoue*, Tatshuru Sato, Go Yamashita, Nanako Nishiguchi, Hiroyuki Moriuchi, Naoki Ando (Japan)
The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan
P-111 Efficacy and safety of very-low-dose betamethasone therapy in ataxia telangiectasia
Setsuko Hasegawa*, Satoko Kumada, Masatoshi Takagi, Ikuo Shirai, Kouji Takahashi, Toshihiro Nomura, Ayako Kashimada, Takeshi Hasegawa, Takatoshi Horikawa, Mitsuji Uematsu (Japan)
Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan
P-112 A case of Hirayama disease with Paroxysmal Kinesic Dyskinesia
Ryou Nishiguchi*, Tatshuru Sato, Nanako Nishiguchi, Mio Yamashita, Hiroyuki Moriuchi (Japan)
The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan
P-113 A case of Giant axonal neuropathy (GAN) diagnosed by exome sequencing
Hiroko Tada*, Jun-Ichi Takanashi, Yoshihiko Hirano, Keiko Shishikura, Hiroto Saito (Japan)
Chiba Oroku Saiseikai Hospital, Division of Pediatrics, Narashino, Japan
P-114 Analysis of the patient with hereditary axonal paraplegia that was caused by novel REEP1 mutation
Kenji Ori*, Masahiro Morimoto, Hideaki Ohnishi, Zenichiro Kato, Toshiyuki Uekaw (Japan)
The Division of Neonatal Intensive Care Unit, Gifu University Hospital, Gifu, Japan / Department of Pediatrics Graduate School of Medicine Gifu University, Gifu, Japan

Poster Presentation: Metabolic disorders 1
P-115 TRH therapy for 4 patients with GLUT-1 deficiency syndrome
Yasushi Ito*, Hirokazu Oguni, Mutsumi Shioda, Yoshiko Hirano, Hidetsugu Nakatsukasa, Yoko Yoshikawa, Akiko Tashita, Kyoko Hirasawa, Satoshi Nagata (Japan)
The 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 Shimizu, Yuki Takei, Jiu Okuno, Noboru Fueki, Shinichi Hirabayashi, Michi Shimpou, 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, Tatuo 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*, Atsushi Imamura, Naoki Matsuo, Emiko Kojima, Atsushi 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, Yoko Hirata, Atsuko Oba, Yuji Kumagai, Manabu Tanaka, Motoyuki Minamitani, Shin-Ichiro Hamano (Japan)
Division of Neurology, Suitama Children's Medical Center, Suitama, 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  Carminute intravenous administration was effective for Pyruvate dehydrogenase complex deficiency
Jun Matsui*, Shinobu Yoshida, Kashiro 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 hypocarnitinenemia due to long-term administration of antibiotics with pivoxl 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, Miya 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, Tetsuo Shimizu (Japan)
Department of Pediatrics, Akita University Graduate School of Medicine, Akita, Japan

P-127  Effectiveness of Migulustat to Niemann-Pick disease, typeC
Koaru 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, Nippon Medical School, Chiba, Japan / Matsumo 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 Epilepy
Keiko Suzuki*, Ryoya Setoguchi, Syogo Hoshika, Yoshiaki Oitani, Asako Arai, Satoru Ueda, Ryoji Umez, 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 Nishiyama, Kanako Kishimoto, Michiko Shinpou, Sayaka Nakano, Yoshiko Iwataki, Kouji Tominaga, Kuriko Shino, Noriyuki Namba, 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, Yoshiro 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, Yukihiro Konishi, Takashi Kusuka, Susumu Itoh (Japan)  
Faculty of Education, Kagawa University, Kagawa, Japan

P-142  TThe study into neuropsychiatricians role of high risk infants  
Mutsuki Shioda*, Kyoko Hirasawa, Akiko Takeshita, Yoko Yoshikawa, Hitodetsugu Nakatsukasa, Yasushi Ito, Keiko Ishigaki, Satoru Nagata (Japan)  
The department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

P-143  The midterm results: a follow-up study on development of infants with very low birth weight  
Keisuke Wakuwawa*, 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 Fujikaka*, Yoshimi Kaga, Hideaki Kanemura, Kanji Sugita, Masao Aihar (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 Kukuda, Ikiko Hirata, Kuriko Kagiyani-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 Vaspessrin (Oral)  
Mariko Maeszawa*, Youichi Doumoto, Kouichi Tamada, Satoshi Kimiya, Akiko Kamaishi, Hirohiko Ozaki (Japan)  
Tsukumi 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 Ohy, Kei Ohashi, Shinji Suitoh (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, Sayuan, 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

P-154 Tac2 haploinsufficiency aggravates autism-related behavioral deficits in mice
Atsushi Sato*, Yukio Takamatsu, Toshiyuki Kobayashi, Ohio 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 Koijima, 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 Koijima, 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

P-158 A case of VLCAD deficiency with autistic spectrum disorder
Yuki Kubota*, Naoki 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 Itahara*, 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

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, Masaru 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, SatyQ 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
Genkiichi 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

P-166 Two cases of post cerebellar encephalopathy with unique clinical presentation
Yumi Tada*, Tomohiro Nakayama, Junko Nakayama, Nobuuki Iwashiki (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
Yoshimi Sanayama*, Shigenori Yamamoto, Ayumi Ishihara (Japan)
Department of Pediatrics, National Hospital Organization Shimoshizu Hospital, Yotsukaido, Japan

P-169 Zinc 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, Taturu 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 Moto, 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, Kiyoaiki 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 Nanbo, Michiko Makino, Mitsunobu Matsuda, Keiko Wada, Keiko Akahoshi, Masuko Funahashi, Yasuyuki Suzuki (Japan)

The Tokyo Children's rehabilitation 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 Ootsuka, Akiko Miyata (Japan)

Shimada royoiku 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, Haruhiho Aoyama, Kumiko Karrisawa, Hiroko Iwamoto, Yuri Chikumaru, 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 Chuo 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 Sciences, 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 Matsuoka, Makiko Shimazaki, Yumiko Komatsu, Yukiko Nakamura, Akira Oka (Japan)

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

P-182 Our experience 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 University.
Susumu Ito*, Aiko Nishikawa, Yoshiko Hirano, Hirokazu Ogumi, Satoru Nagata (Japan)

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

P-184 Experience with Levetiracetam to epilepsy cases in development disorders
Kazu 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 Immunglobulin 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 Ikekami, 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 Koijima, Atsushi Wakahara, Akito 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*, Kazuhiko 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, Umiko 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 Koijima*, 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, Hirokiyori Morichi (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, Miiko 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
Shigeo Nagai*, Tomoko Kirino, Yumi Fujihara, Sizuka Matouka, Shouichi 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, Hirosato 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, Kyushu University, Oita, Japan

P-202  Experience in our department of novel anti-epileptic drugs Rufinamide to small children
Souichi Mukaido*, 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 Suito, 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, Toshiroo Haru (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, Yoko Ito, Minako Kawamoto, Norio Kawamoto, Zenichiro Kato, Toshiyuki Fukao (Japan)
Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan

P-208  Milder presentation of erythromelalgia
Tatsuya 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 chromosome7C 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)
Gifu Prefectural General Medical Center, Gifu, Japan / Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan

P-215  Variety of symptoms associated with migraine, migraine variant and idiopathic stabbing headache
Yosuke Kakisaka*, Naomi Hino-Fukuyo, Mayu Fujikawa, Shigeo Kure, Nobukazu Nakanoto (Japan)
Department of Epileptology, Tohoku University, Sendai, Japan / Department of Pediatrics, Tohoku University, Sendai, Japan

P-216  Treatment of prolonged Paroxysmal Sympathetic Hyperactivity in a children
Akihiko Yamamoto*, Shuhei Ide, Toshihiro Suzuki, Yuji Tachioka, Yukiko Inage, Hitomi Naguchi, Shihoko Honzawa, Yasuhiro Arai, Hideomi Oota, Tatsuhiro Asayama (Japan)
Tokyo Metropolitan Tottori Medical Center for persons with Developmental Multiple Disabilities, Tokyo, Japan

P-217  Symptoms and effectiveness of treatment in orthostatic dysregulation
Takeshi Miyamoto*, Yoshifumi Miyagi (Japan)
The Department of Pediatrics, Hamamatsu Medical Center, Hamamatsu, Japan

P-218  A Case of Benign Paroxysmal Vertigo of Childhood
Fumio Ichino*, Nobuyasu Ono, Muneki Matsuo (Japan)
Department of Pediatrics, NHO Ureshino Medical Center, Saga, Japan

Poster Presentation: Myopathy 3

P-219  MRI provided information about diagnosis of Ullrich congenital muscular dystrophy: A case report
Shinobu Fukumura*, Rumiko Takayama, Toshihide Watanabe, Akiko Tsuzuki, Nobutada Tachi, Akihiko Ishiyama, Takahiro Yonekawa, Yukiko Hayashi, Ishizo Nishino (Japan)
The Department of Child Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan
P-220  A family with limb girdle muscular dystrophy type 2A
Hisashi Itabashi*, Takeshi Inoue, Nobuyuki Murakami, Ryiochi Sakuta, Narihiro Minami, Ichizo Nishino, Ikuya Nonaka, Toshiro Nagai (Japan)
Department of Pediatrics, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan
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, Saako Takeshita, Kyoko Takano (Japan)
Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan
P-222  A case of Duchenne muscular dystrophy affected by dilated cardiomyopathy after steroid therapy
Yukitoshi Ishikawa*, Akira Sudo, Atsuhiito Takeda, Yuka Ishikawa (Japan)
Department of Pediatrics, Yamaguchi National Hospital, National Hospital Organization, Yamaguchi, Japan

Poster Presentation: Myopathy 4
P-223  Introduction of noninvasive positive pressure ventilation for Duchenne muscular dystrophy
Shunsuke Ogaya*, Naoko Kurahashi, Ayako Umemura, Keitaro Yamada, Koichi Maruyama, Toshiyuki Kumagai (Japan)
The Department of Pediatric Neurology, Central Hospital, Aichi Prefectural Colony, Aichi, Japan
P-224  Pulmonary rehabilitation for patients with neuromuscular diseases.
Atsuko Matsuzuka*, Hiroya Nishida, Naoto Yamaguchi, Takakori Yui, Eiji Kitazumi, Tomiaki Naoi, Tatsuya Kano, Keiko Murayama (Japan)
National Rehabilitation Center for Children with Disabilities, Tokyo, Japan
P-225  Easy screening method for Pompe disease using glucose monitoring device
Hideo Sugie*, Yoko Sugie, Tokiko Fukuda, Mika Buseki (Japan)
The Department of Pediatrics, Jichi Medical University, Tochigi, Japan

Poster Presentation: Myopathy 5
P-228  Pediatric ocular myasthenia gravis manifesting as strabismus: a case report
Takuya Yokota*, Tohru Okanishi, Hideo Enoki (Japan)
Seirei Hamamatsu General Hospital, Hamamatsu, Japan
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)
The Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan / Inagi Municipal Hospital, Tokyo, Japan
P-230  The 13 Cases of Myasthenia Gravis
Nobuyoshi Sugiyama*, Mariko Ikegami, Jun Ichi Yokoyama, Yoshihiro Miyashita, Shin-Ichi Matsuda (Japan)
Division of Pediatrics, Isehara kyodo hospital, Kanagawa, Japan
P-231  A case of Japanese boy with SMA type 1 caused by exon6 frameshift mutation in SMN1
Hiroyuki Yamada*, Yoshibo Nishida, Takako Matsumoto, Toko Maishita, Tomo Yamanoto, Hisahide Nishii (Japan)
The Department of Pediatrics, Toyooka Hospital, Toyooka, Hyogo, Japan / Department of Pediatrics, Hyogo Prefectural Tsukaguchi Hospital, Amagasaki, Hyogo, Japan
P-232  A basic research for the treatment of spinal muscular atrophy using TRH and PRL
Koki Nakaide*, Nobutada Tachi, Kentaro Kawamura (Japan)
The Department of Pediatrics, Sapporo Medical University, Sapporo, Japan

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P-233  Anti-NMDA receptor encephalitis in a 3-year-old girl: successful treatment with rituximab
Hiroyasu Nakagawa*, Ayano Yoko, Yusuke Mitani, Mondo Kuroda, Yo Niida, Kazushi Miya (Japan)
The Department of Pediatrics, Kanazawa University, Kanazawa, Japan
P-234  A case of anti-NMDA receptor encephalitis with decreasing processing speed score of WISC-IV
Ayaka Hirasawa*, Yu Tsyuyusaki, Seiziro Aso, Yukitoshi Takahashi (Japan)
The Department of Pediatrics, Kanazawa University, Kanazawa, Japan
P-235  A case of acute cerebellitis showed inflammatory findings in the right cerebellar hemisphere, vermis
Yuka Ashikari*, Yoshifumi Mizuno, Akiko Yoko, Satoro Kobayashi (Japan)
Nagoya City West Medical Center, Aichi, Japan
P-236  The case of encephalitis with alternating basal ganglia lesion
Masato Hiyane*, Tsuyoshi Matsuoka, Masaharu Ohfu, Hiroshi Sakuma, Masaharu Hayashi (Japan)
The division of child neurology, Okinawa prefectual Nanbu medical center & children's medical center, Haebaru town, Okinawa, Japan
P-237  Encephalitis/encephalopathy with balismus and dysarthria twice in two years
Hiroko Matsushita*, Mari Gen, Yuiko Honda, Shin-Ichiro Sekiya, Eriko Amaya, Sozo Okano, Katsumi Hayakawa (Japan)
Department of Pediatrics, Kyoto City Hospital, Kyoto, Japan

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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)
Fukuoka University Chikusho hospital, Fukuoka, Japan

P-239  An infant case of CMV ventriculoencephalitis after hematopoietic stem cell transplantation
Mitsu Motobayashi*, Yuji Inaba, Yoko Saima, Taemi Niimi, Naoko Shiba, Takaumi Nishimura (Japan)
The Department of Pediatrics, Shinsyu University School of Medicine, Matsumoto, Japan

P-240  The relationship of the initial interventions and outcomes with acute encephalitis/encephalopathy
Shuji Kuga*, Osamu Kobayashi, Tomoyo Itonaga, Hiroaki Miyahara, Tatsuo Izumi (Japan)
Nishida hospital, Oita, Japan

P-241  MRI findings on acute disseminated encephalomyelitis in 7 cases
Tadashi Ito*, Ayumi Endo, Kyo Yoshida, Kaori Kimura, Emiko Momoki, Yuki Kawamura, Wakako Ishii, Chikako Arakawa, Ryutaro Kohira, Tatsuo Fuchigami (Japan)
Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan

**Poster Presentation: Infectious, immunological diseases 1**

P-242  A case of Bickerstaff's brainstem encephalitis with delayed MRI findings
Takayoshi Kawabata (Japan)
Ishikawa Prefectural Central Hospital, Ishikawa, Japan

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

P-244  A case of anti-phospholipid antibody syndrome associated with cerebellar infarction
Sachiko Sukai*, Kimiaki Uetake, Osamu Kawano, Satoru Takahashi (Japan)
Department of Pediatrics, Hokkaido P.W.F.A.C Obihiro-Kosei General Hospital, Obihiro, Hokkaido, Japan

P-245  Long follow-up of optic neuritis in Japanese children
Saeko Takeshita*, Hirotaka Motoi, Yoshitaka Oyama, Yoshihiro Watanabe, Kazushi Ichikawa, Tetsuhiro Manabe, Atsuo Nezu (Japan)
Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan

P-246  Optic neuropathy
Eri Shigematsu*, Mariko Ikegami, Norihisa Miyasita, Junichi Yokoyama, Nobuyoshi Sugiyama (Japan)
Tokai University Hospital, Kanagawa, Japan

**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, Tetuo Shimizu (Japan)
Department of Pediatrics, Akita University Graduate School of Medicine, Akita, Japan

P-248  A progress report of diagnosis and treatment in 8-years old girl suffering from multiple sclerosis.
Kan Takahashi*, Masakazu Nakamura, Takako Matsuoka, Takashi Yamamura (Japan)
Department of Pediatrics, Ohme Municipal General Hospital, Tokyo, Japan

P-249  Three infant cases with frontal lobe atrophy as sequelae of H. influenzae meningococcal encephalitis
Chieko Iino*, Mana Kurihara, Chieko Iino, Hiroyuki Fujita, Toshitaka Kohagizawa (Japan)
Department of Pediatrics, Kanagawa Rehabilitation Center, Atsugi, Japan

P-250  An infant of pneumococcal meningitis caused by the vaccine-free serotype
Aya Sato*, Fukiko Ryujin, Seiichiro Yoshioka (Japan)
Pediatrics, Saiseikai Shigakun Hospital, Shiga, Japan

P-251  A Retrospective Study of Bacterial Meningitis in Tottori Prefectural Central Hospital
Yuko Nakamura*, Masami Togawa, Yoshihiro Maegaki (Japan)
Pediactrics, Tottori Prefectural Central Hospital, Tottori, Japan / Matsue Medical Center, Matsue, Japan

**Poster Presentation: Neurosurgery**

P-252  Usefulness of chintigraphy in diagnosis of intrathecal baclofen therapy problem - a case report
Akiko Shibata*, Mariko Yamamoto, Yu Watanabe, Hiroshi Terashima, Hirofumi Kashii, Masaya Kubota, Nobuhiro Morota (Japan)
Division of Neurology, National Center of Child Health and Development, Tokyo, Japan

P-253  Respiratory complications of Chiari malformation type 2 associated with myelomengoecele
Keichi Mizuguchi*, Masaya Kubota, Nobuhiro Morota (Japan)
Division of Interdisciplinary Medicine, National Center for Child Health and Development, Tokyo, Japan

P-254  Cognitive function in children with acquired infratentorial brain injury
Manabu Yoshishashi*, Mana Kurihara, Chieko Iino, Hiroiuku Fujita, Toshidaka Kohagizawa (Japan)
Kanagawa Rehabilitation Center, Kanagawa, Japan
P-255  Pediatric Head Injury in Akita University Hospital within 10 years
Tamami Yano*, Hiroki Kubota, Tautoumi Takahashi, Yukio Sawaiishi, Miyuki Toyono (Japan)
Akita University Graduate School of Medicine, Department of Pediatrics, Akita, Japan
P-256  Usefulness of developmental disorder evaluation scale in higher brain dysfunction: a case report
Kei Ohashi (Japan)
Department of Pediatrics, Nagoya City Rehabilitation Center, Nagoya, Japan / Akebono Gakuen, Nagoya, Japan

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 Ini, Sumisasa Yamashita (Japan)
Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan
P-258  Immunohistochemical analysis of Moyamoya disease
Muneaki Matsuo (Japan)
Department of Pediatrics, Saga University, Faculty of Medicine, Saga, Japan
P-259  Two cases of intracranial mycotic aneurysms complicated by infectious endocarditis.
Fumikazu Sano*, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)
Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
P-260  A case of spontaneous regression of dural arteriovenous fistula with giant venous lake.
Takao Morimune*, Noriko Nishikura, Seichihiro Yoshioka, Tomoyuki Takano, Yoshihiro Takeuchi (Japan)
The Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan
P-261  A pediatric case of reversible cerebral vasoconstriction syndrome with subarachnoid hemorrhage
Naoko Yoshihara*, Takahito Wada, Mariko Takagi, Mutumi Sato, Rie Anzai, Mituko Okuda, Yui Tuyuaki, Hitoshi Osaka, Kyouko Takano, Mizue Iai (Japan)
Kanagawa Children's Medical Center, Kanagawa, Japan / Japanese red cross Medical Center Department of pediatrics, Tokyo, Japan

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, Massahsa Mizuguchi (Japan)
Department of Pediatrics, the University of Tokyo Hospital, Tokyo, Japan / Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan
P-263  A case of tuberous sclerosis whose autistic behavior and epilepsy were alleviated by everolimus
Takashi Enokizono*, Tatsuyuki Ohto, Ryuta Tanaka, Takahiro Kido, Asako Kageyama, Ryou Sumazaki (Japan)
Department of Pediatrics, University of Tsukuba Hospital, Tsukuba, Ibaraki, Japan
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)
National Center for Child Health and Development, Tokyo, Japan
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)
Division of Child Neurology, Institute of Neurological Sciences, Tottori University School of Medicine, Tottori, Japan
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)
Department of Child Neurology Chiba Rehabilitation Center, Chiba, Japan
P-267  Notes to use methylphenidate for postoperative craniopharyngioma
Genrei Ohta*, Hiroshi Kometani, Masao Kawatani, Ikue Hata, Yusei Ohshima (Japan)
Department of pediatrics, University of Fukui, Faculty of medicine, Fukui, Japan
P-268  A case of Von Hippel-Lindau Disease with repeated attacks of unconsciousness
Chihiro Yonee*, Nozomi Sano, Tetsuoku Tomosugi, Tomoko Hanada, Hitoshi Yamahata, Kazunori Arita (Japan)
Department of Pediatrics, Minami Kyusyu National Hospital, Kagoshima, Japan