The 57th Annual Meeting of the Japanese Society of Child Neurology

May 27–May 31, 2015
Empire Hotel Osaka

PROGRAM

Presidential Lecture
Promote further progress in child neurology based on a global partnership of health professionals and scientists, and bring joy to all children with neu rological disorders
Chair:Satoshi Takada (Japan)
Graduate School of Health Sciences, Koobe University, Kobe,Japan
Speaker:Toshisaburo Nagai (Japan)
Pool Gakuin University / Osaka University Graduate School of Medicine, Facalty of Medicine, Osaka, Japan

Keynote Lecture 1
The future life supported by robots - Daily life support and learning supports by robots -
Chair: Takao Takahashi (Japan)
Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan
Speaker:Hiroshi Ishiguro (Japan)
Department of Systems Innovation, Osaka University, Osaka , Japan

Keynote Lecture 2
International collaboration for empowerment of children with disability: through global network of child neurology
Chair: Toshisaburo Nagai (Japan)
Pool Gakuin University / Osaka University Graduate School of Medicine, Facalty of Medicine, Osaka, Japan
Speaker:Yasuhide Nakamura (Japan)
Graduate School of Human Sciences, Osaka University, Osaka , Japan

Special Lecture 1
Perspectives of child neurology; initiative as distinguished professional leaders
Chair:Kousaku Ohno (Japan)
Sanin Rosai Hospital, Tottori, Japan
Speaker:Takao Takahashi (Japan)
Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

Special Lecture 2
The bridge over child neurology and adult neurology
Chair: Mitsuru Kawai (Japan)
National Hospital Organization East Saitama National Hospital, Saitama, Japan
Speaker:Keizo Hirayama (Japan)
Chiba University, Chiba, Japan

Invited Lecture 1
Stand up for epilepsy, together with one voice
Chair: Hitoshi Yamamoto (Japan)
Marianna University, School of Medicine, Kanagawa, Japan
Speaker:Solomon L. Moshé (USA)
Saul R. Korey Department of Neurology, Dominick P. Purpura Department of Neuroscience, Department of Pediatrics Laboratory of Developmental Epilepsy, Montefiore, Einstein Epilepsy Management Center, Albert Einstein College of Medicine and Montefiore Medical Center

Invited Lecture 2
Evidence based interventions for children with Cerebral Palsy : what should the therapy be?
Chair: Kazuhiro Haginoya (Japan)
Pediatric Neurology, Takuto Rehabilitation Center for Children , Sendai, Japan
Speaker:Roslyn N. Boyd (Australia)
Queensland Cerebral Palsy Research centre, The University of Queensland, Brisbane, Australia

Invited Lecture 3
Precision medicine in epilepsy : how genetics informs clinical practice
Chair: Shinichi Hirose(Japan)
Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan
Speaker:Ingrid E. Scheffer (Australia)
Florey Institute of Neuroscience and Mental Health, The University of Melbourne, Departments of Medicine and Paediatrics, The University of Melbourne, Austin Health and Royal Children's Hospital, Melbourne, Australia

Invited Lecture 4 (Segawa Program)
Progress in Understanding the Brain in Autism
Chair: Tatsuya Koeda (Japan)
Department of Regional Education, Faculty of Regional Sciences, Tottori Univ ersity
Speaker:Robert T. Schultz (USA)
Psychology & Cognitive Neuroscience Departments of Pediatrics & Psychiatry,
University of Pennsylvania Center for Autism Research Children's Hospital of Philadelphia, Pennsylvania, USA

Educational Lecture 1
Brain-machine interface (BMI), expanding the world of neuroscience
Chair: Hiroaki Sakamoto (Japan)
Department of Pediatric Neurosurgery, Children's Medical Center, Osaka City General Hpospital
Speaker:Toshiki Yoshimine (Japan)
Department of Neurosurgery, Osaka University Medical School, Osaka , Japan

Educational Lecture 2
Autophagy: Roles for intracellular degaradation
Chair: Shinji Fushiki (Japan)
Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine, Graduate School of Medical Science,Kyoto Japan
Speaker:Noboru Mizushima (Japan)
Department of Biochemistry and Molecular Biology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

Educational Lecture 3
Remodeling of Functional Neuronal Circuits in Development
Chair: Masashi Mizuguchi (Japan)
Department of Developmental Medical Sciences, the University of Tokyo, Tokyo, Japan
Speaker:Junichi Nabekura (Japan)
National Institute for Physiological Sciences, Okazaki, Japan

Educational Lecture 4
Molecular Therapies for Duchenne Muscular Dystrophy
Chair: Kayoko Saito (Japan)
Institute of Medical Genetics,Tokyo Women's Medical University , Tokyo, Japan
Speaker:Yasuhiro Takeshima (Japan)
Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan

Symposium 1
Chairs: Harumi Yoshinaga [1], Yasuhiro Suzuki [2] (Japan)
[1]
Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan
[2] *Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka , Japan*

1. Support for transition of children and young adults with chronic diseases: Activities of the Japan Pediatric Society
Masashi Mizuguchi (Japan)
Department of Developmental Medical Sciences, the University of Tokyo, Tokyo, Japan
2. Transitional medicine of patients with severe motor and intellectual disabilities (SMID)
Tadashi Matsubasa (Japan)
The Chair of Severe Motor and Intellectual Disabilities, Kumamoto University Hospital, Kumamoto, Japan
3. Transition from pediatric to adult care in severely handicapped patients requiring nedical care
Yasuhiro Suzuki (Japan)
Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka , Japan
4. Multidisciplinary cooperation in the transition from childhood to adulthood in patients with severe mental and physical disabilities —Experience in outpatient nursing care at Okayama University Hospital—
Hiromi Handa[1※], Harumi Yoshinaga[2,3], Katsuhiro Kobayashi[2] (Japan)
[1] *Department of Nursing, Okayama University Hospital, Okayama, Japan*
[2]*Department of Child Neurology, Okayama University Hospital, Okayama, Japan*
[3]*Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Science, Okayama, Japan*
5. Expected role of neurologists in home care support for seriously intractable neurological diseases
Yusaku Nakamura (Japan)
Department of Neurology, Sakai Hospital, Kinki University Faculty of Medicine

Symposium 2
Chairs: Tsuyoshi Matsumura[1], Hirofumi Komaki[2] (Japan)
[1]*Department of Neurology, National Hospital Organization Toneyama National Hospital , Japan*
[2]*Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan*

1. Overview of central nervous system disorder in Dystrophinopathy
Toshio Saito (Japan)
Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Osaka, Japan
2. Psychological examination of Developmental Disorder in Patients with Muscular Dystrophy
Osamu Imura (Japan)
Graduate School of Human Sciences, Osaka University, Osaka, Japan
3. Abnormalities of the central nervous system in Duchenne muscular dystrophy model mice
Masayuki Sekiguchi (Japan)
Department of Degenerative Neurological Diseases, National Institute of Neuroscience, National Center of Neurology and Psychiatry,Japan
4. Clinical Neurophysiology of Dystrophinopathy
Shugo Suwazono (Japan)
Division of Neurology, National Hospital Organization Okinawa National Hospital, Ginowan, Japan
5. Cases with DMD and autism
Kazuhiro Shiraishi (Japan)
Utano national hospital Ube,Kyoto, Japan

Symposium 3
Chairs: Mana Kurihara [1], Takashi Araki [2] (Japan)
[1] *Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan*
[2] *Department of Emergency and Critical Care Medicine, Nippon Medical School Hospital, Tokyo, Japan*

1. Acute care of pediatric traumatic brain injury aiming at long-term outcome in cerebral function
Takashi Araki (Japan)

Department of Emergency and Critical Care Medicine, Nippon Medical School Hospital, Tokyo, Japan
2. Current Status of Sequel after Traumatic Brain Injury in Children
Mana Kurihara (Japan)
Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan
3. Rehabilitation of children with traumatic brain injury
Manabu Yoshihashi (Japan)
Department of pediatrics, Kanagawa rehabilitation center, Kanagawa, Japan
4. Scientific injury prevention for children in local community
Kimiko Deguchi[1]* , Mana Kurihara [2], Takashi Araki[3] (Japan)
[1]Deguchi Pediatric Clinic, Nagasaki, Japan [2] Digital Human Research Center、Tokyo, Japan
[3] Love and Seafty Omura, Tokyo, Japan
5. Child Protection on Vehicle Development
Masahiro Awano[1,2] *, Tomoaki Takamiya[1,2] (Japan)
[1] Japan Automobile Manufacturers Association, Inc. Tokyo, Japan
[2] Mitsubishi Motors Corporation,Tokyo, Japan

Symposium 4
Chairs: Masako Taniike[1], Akemi Tomoda[1,2] (Japan)
[1] United Graduate School of Child Development, Osaka University, Osaka, Japan
[2]Research Center for Child Mental Development, University of Fukui, Fukui, Japan

1. Measurement of brain function in pre-school children with autism spectrum disorder
Mitsuru Kikuchi (Japan)
Research Center for Child Mental Development, Kanazawa University, Kanazawa, Japan
2. Molecular imaging of autism spectrum disorder: PET studies
Katsuaki Suzuki (Japan)
Department of Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan
3. Neuroimaging study of Typically Developing Children and Adolescents
Daisuke Saito (Japan)
Research Center for Child Mental Development, University of Fukui, Fukui, Japan
4. Physiological mechanism underlying sensory abnormalities in Autism Spectrum Disorder
Kuriko Shimono (Japan)
United Graduate School of Child Development, Osaka University, Kanazawa University, Hamamatsu University Graduate School of Medicine, Chiba University and University of Fukui, Fukui, Japan
5. Cognitive Remediation Therapy for people suffering from Autism Spectrum Disorder (ASD)
Michiko Nakazato [1*],Tomoko Okuda[2] (Japan)
[1]Research Center for Child Mental Development, Chiba University Graduate School of Medicine, Chiba, Japan
[2]Osaka University, Kanazawa University, Hamamatsu University, Graduate School of Medicine, Chiba University, Fukui University, United Graduate School of Child Development, Japan

Symposium 5
Chairs: Shin Nabatame [1], Noboru Mizushima [2] (Japan)
[1] Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan
[2] Department of Biochemistry and Molecular Biology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

1. De novo mutations in the autophagy gene WDR45 cause SENDA
Kazuhiro Muramatsu (Japan)
Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan
2. Autophagy in Vici syndrome, mucolipidosis type IV and intractable epilepsy
Masaharu Hayashi (Japan)
The Department of Brain Development and Neural Regeneration, Tokyo Metropoli tan Institute of Medical Scicence, Tokyo, Japan
3. Autophagic vacuolar myopathy
Ichizo Nishino (Japan)
Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan
4. The enhancement of protein degradation systems exerts therapeutic effects in spinal and bulbar muscular atrophy
Hiroaki Adatchi (Japan)
Department of Neurology, University of Occupational and Environmental Health School of Medicine, Kitakyushu, Japan

Symposium 6
Chairs: Masashi Shiomi [1], Hiroshi Sakuma [2] (Japan)
[1] Aizenbashi Hospital Osaka, Japan
[2] Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

1. Diagnostic values of autoantibodies in acute encephalitis/encephalopathy
Keiko Tanaka (Japan)
Department of Life Science, Medical Research Institute, Kanazawa Medical University, Ishikawa, Japan
2. Pitfalls in diagnosis and treatment of anti-NMDA receptor encephalitis
Takahiro Iizuka (Japan)
Department of Neurology, Kitasato University School of Medicine, Sagamihara, Japan
3. Encephalitis caused by herpesviruses
Hiroshi Kimura (Japan)
Department of Virology, Nagoya University Graduate School of Medicine, Nagoya, Japan
4. Acute encephalitis/encephalopathy and cytokines
Hiroshi Sakuma (Japan)
Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

5. Usefulness of continuous electroencephalogram and intracranial pressure monitering and neuroimaging in patients with acute encephalitis and encephalopathy
Ichiro Kuki[1]*, Masashi Shiomi [2], Shin Okazaki[1], Hisashi Kawasaki[1], Kiyotaka Tomiwa[1], Kiyoko Amo[3], Masao Togawa[3], Togawa Masao[3] (Japan)
[1]The Department of Pediatric Neurology, Children Medical Center, Osaka City General Hospital, Osaka, Japan [2]Aizenbashi Hospital
[3]The Department of Pediatric Neurology, Children Medical Center, Osaka City G eneral Hospital, Osaka, Japan

Symposium 7

Chairs: Shinji Saitoh [1], Kenjiro Kosaki [2] (Japan)
[1] Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
[2] Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan

1. For the establishing of criteria in prenatal diagnosis of intractable fetal brain malformation
Mami Yamasaki (Japan)
Department of pediatric neurosurgery, Takatsuki General Hospital, Takatsuki, Japan
2. Neurosonographic Imaging Diagnosis of Fetal CNS Malformation
Ritsuko Pooh (Japan)
CRIFM Clinical Research Institute of Fetal Medicine Pooh Maternity Clinic, Osaka, Japan
3. MRI diagnosis of the central nervous system anomalies in the fetus
Hidetsuna Utsunomiya (Japan)
Department of Radiological Science, International University of Health and Welfare, Graduate School, Ootawara, Japan
Department of Diagnostic Radiology, Fukuoka Sanno Hospital, Fukuoka, Japan
4. Neuropathological studies on developmental brain anomalies
Kyoko Itoh (Japan)
The Department of Pathology and Applied Neurobiology, the Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan
5. Molecular diagnosis of brain malformations
Mitsuhiro Kato (Japan)
Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

Symposium 8

Chairs: Makoto Sato [1], Kumi Kuroda [2] (Japan)
[1] Department of Anatomy and Neuroscience, Osaka University Graduate School of Medicine, Suita, Japan
[2] Lab for Affiliative Social Behavior, RIKEN Brain Science Institute, Saitama, Japan
1. Neural mechanism and functional significance of mammalian Transport Response
Kumi Kuroda, Sachine Kuroda, Esposito Gianluca (Japan)
Lab for Affiliative Social Behavior, RIKEN Brain Science Institute, Saitama, Japan
2. Effect of environmental factors on brain development and functions
Kazunori Nakajima (Japan)
Department of Anatomy, Keio University School of Medicine, Tokyo, Japan
3. Synaptic plasticity: from bench to bedside
Takuya Takahashi (Japan)
Department of physiology, Yokohama city University School of Medicine,Yokohama, Japan
4. From the bench: Developmental disorders and a novel molecule in the spine
Makoto Sato (Japan)
Department of Anatomy and Neuroscience, Osaka University Graduate School of Medicine, Suita, Japan
Department of Developmental Neuroscience, United Graduate School of Child De velopment, Osaka University, Osaka, Japan

Symposium 9

Chairs: Shinji Saitoh [1], Kenjiro Kosaki [2] (Japan)
[1] Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan
[2] Department of Pediatric Neurology, Central Hospital, Aichi Human Service Cen ter, Kasugai, Japan

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Mami Yamasaki (Japan)
Department of pediatric neurosurgery, Takatsuki General Hospital, Takatsuki, Japan
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5. Molecular diagnosis of brain malformations
Mitsuhiro Kato (Japan)
Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

Symposium 10

Chairs: Kousaku Ohno [1], Norio Sakai [2] (Japan)

[1] *Sanin Rosai Hospital, Tottori, Japan*

[2] *Department of Pediatrics Osaka University Graduate School of Medicine, Osaka, Japan*

1. New treatment for Niemann-Pick Type C disease
   Muneaki Matsuo[1]*, Daisuke Tajima[1], Shoko Shimokawa[2], Motofumi Koguchi[2], Kouhei Inoue[2], (Japan)
   [1]*Department of Pediatrics, Faculty of Mdicine, Saga University, Saga, Japan*
   [2]*Department of Neurosurgery, Faculty of Medicine, Saga University, Japan*
2. Chaperone Therapy for Gaucher disease
   Aya Narita[1]* , Yoshihiro Maegaki[1], Yoshiyuki Suzuki[3], Kousaku Ohno[1,2](Japan)
   [1]*Division of Child Neurology, Tottori University, Yonago, Japan*
   [2]*Sanin Rosai Hospital, Yonago, Japan*
   [3]*Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan*
3. Development of enzyme replacement therapy via intrathecal infusion
   Norio Sakai (Japan)
   Department of Pediatrics Osaka University Graduate School of Medicine, Osaka, Japan
4. L-arginine therapy on MELAS
   Yasutoshi Koga (Japan)
   Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan

Theme symposium

Chairs: Masaharu Hayashi [1], Kaeko Ogura [2] (Japan)

[1] *The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Scicence, Tokyo, Japan*

[2] *Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan*

1. Swift review of Intractable disease
   Akihisa Maeda (Japan)
   Specific Disease Control Division, Health Service Bureau, MHLW, Tokyo, Japan
2. Medical aid projects for specific chronic pediatric diseases after revision of the Child Welfare Act
   Kaeko Ogura (Japan)
   Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan
3. Issues and anticipations of the systems specific chronic pediatric disease
   Nobuaki Kobayashi (Japan)
   The Supporting Network for Chronic Sick Children of Japanm, Tokyo, Japan

Refresh seminar 1:How to interpret the results of genetic tests: basic requirements for pediat ric neurologists

Chair: Norio Sakai (Japan)
Department of Pediatrics Osaka University Graduate School of Medicine, Osaka , Japan
Speaker:Shinji Saito (Japan)
Department of Pediatrics and Neonatology, Nagoya City University Graduate Sc hool of Medical Sciences, Nagoya , Japan

Refresh seminar2 : Basic component program of Parent Training

Chair: Hiroshi Tamai(Japan)
Department of Pediatrics, Osaka Medical College, Osaka, Takatsuki, Japan
Speaker:Hidemi Iwasaki (Japan)
Center of Special Needs Education, Nara University of Education, Nara, Japan

Refresh seminar3 : Handling of children with borderline mental deveopment

Chair: Asayo Ishizaki(Japan)
Oji-clinic;Division of Medicine The Japanese Association on Intellectual and Development Disordera
Speaker:Jiro Ono (Japan)
Department of Special Education, Faculty of Education, Wakayama University, Wakayama, Japan

Special Session 1 : Studying abroad to the foreign countries, shall we lesson the experience from experts?

Chairs: Kazuhiro Muramatsu[1], Hiroyuki Kidokoro[2] (Japan)

[1] *Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan*

[2]*Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan*

1. My personal experience as a child neurologist in Italy
   Yuji Sugawara (Japan)
   Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan
2. My study abroad experience in Melbourne
   Masakazu Mimaki (Japan)
   Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan
3. Toronto, my other life
   Tohru Okanishi (Japan)
   Department of child neurology, Seirei-Hamamatsu General Hospital, Hamamatsu, Japan
4. 14 year-old girl with pain and tingling of leg and hip
   Yu Tsuyusaki*, Seijirou Aso (Japan)
   The Department of Neurologym, Kanagawa Children's Medical Center, Yokohama, Japan / The Department of Pediatrics, Japanese Red Cross Medical Center,Tokyo,Japan

Special Session 2 : Electrophysiology in inflammatory neuropathies

Chair: Satoko Kumada (Japan)
Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
Speaker:Satoshi Kuwabara
Department of Neurology, Chiba University, Chiba, Japan

Special Session 3 : Inherited GPI deficiency: A new disease with epilepsy and intellectual disability

Chair: Tatsuya Fujii (Japan)
Shiga Medical Center for Children,Shiga, Japan
Speaker: Yoshiko Murakami
Department of Immunoregulation, Research Institute for Microbial Diseases, Osaka University, Suita, Japan

Practical Education Seminar 1: Neuroimaging for Pediatricians, 2015

Chairs: Jun-Ichi Takanashi[1], Hiroshi Oba[2] (Japan)
[1] *Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan*
[2] *Department of Radiology, Teikyo University Hospital, Tokyo, Japan*

1. Clinical approach to pediatric leukoencephalopathy
Jun-Ichi Takanashi (Japan)
Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan
2. Key diagnostic findings and signs for the child central nervous disorders
Hiroshi Oba (Japan)
Key diagnostic findings and signs for the child central nervous disorders
3. Neurocutaneous syndromes and cerebrobascular diseases
Harushi Mori (Japan)
Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan
4. How to make an accurate diagnosis of malformations of central nervous system
Mitsuhiro Kato (Japan)
Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan
5. Fetal CNS Imaging Diagnosis - Neuro-sonoembryology and Neurosonology -
Ritsuko Pooh (Japan)
CRIFM Clinical Research Institute of Fetal Medicine Pooh Maternity Clinic,Tokyo, Japan

Practical Education Seminar 2: Up-to-date for understanding of neurodevelopment disorders

Chair: Akemi Tomoda (Japan)
Research Center for Child Mental Development, University of Fukui, Fukui, Ja pan

The knack of treating developmental disorders
Toshiro Sugiyama (Japan)
Department of Child and Adolescent Psychiary, Hamamatsu University School of Medicine, Hamamatsu, Japan

Practical Education Seminar 3: Gentic syndromes in Pediatric Neurology

Chairs: Nobuhiko Okamoto [1], Seiji Mizuno [2](Japan)
[1]*Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan*
[2]*Central Hospital, Aichi Human Service Center, Aichi, Japan*

1. Clues to recognition of dysmorphology
Shinsuke Ninomiya (Japan)
Department of Clinical Genetics, Kurashiki Central Hospital
2. Recently reported genetic syndromes
Nobuhiko Okamoto (Japan)
Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan
3. Characteristic behavior of children with congenital anomaly syndrome
Seiji Mizuno (Japan)
Central Hospital, Aichi Human Service Center, Aichi, Japan

Practical Education Seminar 4: Interpretation of intelligence tests

Chair: Kiyotaka Tomiwa (Japan)
Todaiji Medical and Educational Center, Nara, Japan

Interpretation of intelligence tests
Yosuke Kita (Japan)
Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan

Practical Education Seminar 5: Cerebral palsy: diagnosis and treatment

Chairs: Kenji Yokochi[1], Hiroshi Arai[2](Japan)
[1] *Department of Pediatric Neurology, Seirei-Mikatahara Hospital, Hamamatsu, Japan*
[2] *Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan*

1. Cerebral palsy: diagnosis and classification
Kenji Yokochi
Department of Pediatric Neurology, Seirei-Mikatahara Hospital, Hamamatsu, Japan
2. Developmental features in each type of cerebral palsy
Hiroshi Arai
Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan

Luncheon Seminar 1
Chairs: Takao Takahashi (Japan)
Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

1. Management of tuberous sclerosis: present and future
Hideo Yamanouchi (Japan)
Department of Pediatrics, Saitama Medical University, Saitame, Japan
2. Everolimus therapy against tuberous scrlerosis
Keiko Yanagihara (Japan)
Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health

Luncheon Seminar 2
Chairs: Osawa Masako(Japan)
Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical C enter, Chiba, Japan

1. Timing of Epilepsy Surgery
Ryoko Honda (Japan)
Department of Pediatrics, National Hospital Organization Nagasaki Medical Center
2. Impact of neurosurgical therapy for drug resistant epilepsy among children
Akihisa Okumura (Japan)
Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan

Luncheon Seminar 3
Chairs: Norio Sakai (Japan)
Department of Pediatrics Osaka University Graduate School of Medicine, Osaka , Japan

1. Diagnosis of neuronopathic Gaucher disease and effects of enzyme replacement therapy
Hiroyuki Ida (Japan)
Department of Pediatrics, The Jikei University School of Medicine
2. Neurological manifestations in Gaucher disease and therapeutic strategies
Aya Narita (Japan)
Division of Child Neurology, Tottori University, Yonago, Japan

Luncheon Seminar 4
Chairs: Hitoshi Yamamoto (Japan)
Marianna University, School of Medicine, Kanagawa, Japan

Is the measurement of serum level for new antiepileptic drugs unnecessesary?-The strategies based on TDM-
Toshiyuki Iwasaki (Japan)
Department of Pediatrics, School of Medicine, Kitasato Uneversity, Kanagawa, Japan

Luncheon Seminar 5
Chairs: Yoshihiro Maegaki (Japan)
Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Tottori, Japan

Intrathecal Baclofen Therapy for Hypertonic Children
Muneaki Matsuo (Japan)
Department of Pediatrics, Faculty of Mdicine, Saga University, Saga, Japan

Luncheon Seminar 6
Chairs: Hiroko Kojima (Japan)
Department of Pediatrics, Teikyo University Tokyo, Japan
Short Stature and Small for Gestational Age
Ryuzo Takaya (Japan)
Department of Pediatrics, Osaka Medical College, Takatsuki, Japan

Luncheon Seminar 7
Chairs: Masanori Tamura (Japan)
Department of Pediatrics, Saitama Medical Center, Saitama Medical University

1. Guideline for infants at painful procedure in NICU
Masanori Tamura (Japan)
Department of Pediatrics, Saitama Medical Center, Saitama Medical University
2. The current situation of neonatal transport in Japan and treatment of neonatal asphyxia
Takehiko Hiroma (Japan)
Division of neonatology, Nagano Children Hospital
3. Therapeutic strategy for status epilepticus in children
Kenji Sugai (Japan)
Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Japan

Luncheon Seminar 8
Chairs: Yasuhiro Takeshima[1.], Norio Sakai [2.] (Japan)
[1.] *Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan*

[2] Department of Pediatrics Osaka University Graduate School of Medicine, Osaka , Japan

1. New insight of Gaucher Disease - Diagnosis and treatment
   Yusuke Hamada (Japan)
Department of Pediatrics, Osaka University
2. Diagnosis and Treatment of Neuromuscular Disorders -focusing on case presentations such as child-onset Pompe disease-
   Hirofumi Komaki (Japan)
Department of Child Neurology, National Center of Neurology and Phychiatry

Luncheon Seminar 9
Chairs: Shinichi Niijima (Japan)
The Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan

Clinical decision making by child neurologists: anticonvulsants, ketogenic diets, or surgeries for epilepsy
Hideo Enoki (Japan)
Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

Luncheon Seminar 10
Chairs: Hirokazu Oguni (Japan)
Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan
Latest trends in therapy for epileptic patients: coordination of collaboration by doctors, co-workers and anti-epileptic drugs.
Hideaki Shiraishi (Japan)
Department of Pediatrics, Hokkaido University Hospital, Sapporo , Japan

Luncheon Seminar 11
Chairs: Kousaku Ohno (Japan)
Sanin Rosai Hospital, Yonago, Japan

NP-C
Yoshikatsu Eto (Japan)
Advanced Clinical Research Center, Institute of Neurological Diseases,Kawasaki, Japan

Luncheon Seminar 12
Chairs: Shinya Miyamoto(Japan)
Master's Program in Education,University of Tsukuba

The comprehensive supports for children with Neurodevelopmental Disorders (NDD) through the cooperation among the professionals
Jiro Ono (Japan)
Department of Special Education, Faculty of Education, Wakayama University, Wakayama, Japan

Luncheon Seminar 13
Chairs: Yoko Otsuka(Japan)
Asahigawasou Rehabilitation and Medical Center, Okayama, Japan

Clinical and pharmacological aspects of intravenous midazolam treatment for status epielpticus in childhood
Kimio Minagawa (Japan)
Department of Pediatrics, Midorigaoka Ryo-iku-en, Social Welfare Corporation Sapporo Ryokkakai, Sapporo, Japan

Public Forum
Chairs: Satoshi Takada [1], Masahisa Funato [2] (Japan)
[1] Graduate School of Health Sciences, Koobe University, Kobe,Japan
[2] Osaka Developmental Rehabilitation Center, Osaka, Japan

1. Opening Remarks:Why the children needing special techinical home care increa sed?
   Masahisa Funato (Japan)
Osaka Developmental Rehabilitation Center, Osaka, Japan
2. Medical services by family doctor, and their future issues
   Tuneo Harumoto (Japan)
Higashiosaka seikyo Hospital,Osaka,Japan
3. The state of Pediatrics Home Nursing - one case of Home Nusing care
   Satoko Shimogama (Japan)
Ishii-Memorial Aizen-en Home Nursing Statuon ,Osaka,Japan
4. The current state of the medical-care in the school , and the future's problem
   Noboru Niwa (Japan)
Ministry of Education, Culture, Sports, Science and Technorogy (MEXT), Japan
5. Challenges of fostering medical staff related to the developmental disabilit y medicine
Kiyokuni Miura (Japan)
Division of Developmental Disability Medicine, Nagoya University Graduate Sc hool of Medicine, Nagoya, Japan

6. My Wishes as a Mother
   Yuko Takemoto(Japan)
Hatsukaze,Child development support,Day service after schools,Osaka,Japan
7. Closing Remarks
   Satoshi Takada(Japan)
Graduate School of Health Sciences, Koobe University, Kobe,Japan

English Session

E-001 CDKL5 controls glutamate receptor function and regulates memory, emotion and seizure susceptibility

Teruyuki Tanaka[1], Masashi Mizuguchi [1]

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

E-002 Relationship between maternal DHA levels and anxiety-like behavior in a gene/stress mouse model

Fumihiro Matsui[1]

1.Center for Translational Neuroscience, University of Missouri, Columbia, Missouri, USA

E-003 Hippocampal network formation in a mouse model of autism spectrum disorders

Ryuta Koyama[1], Kazuki Shibata [1], Kohei Morishita [1], Yuji Ikegaya[1]

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

E-004 Restoration of glycosylated alpha-DG in FKRP mutant mice is associated with muscle regeneration

Hiroyuki Awano[1], Anthony Blaeser [2], Elizabeth Keramaris [2], Bo Wu[2], Pei Lu[2], Qi Lu[2], Kazumoto Iijima[1]

1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan 2.McColl-Lockwood Laboratory for Muscular Dystrophy Research, Cannon Research Center, Carolinas Medical Center, Charlotte, USA

E-005 TUBA1A mutation can cause hydranencephaly, the most severe form of lissencephaly

Setsuri Yokoi[1,2], Naoko Ishihara [1,3], Jun Natsume [1], Hiroyuki Yamamoto[1], Makiko Tsutsumi[2], Itaru Yanagihara[4], Fuyuki Miya[5], Mitsuhiro Kato[6], Tatsuhiko Tsunoda [5], Kenjiro Kosaki [7], Yonehiro Kanemura [8], Shinji Saitoh [9], Hiroki Kurahashi [2]

1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan 2.Division of Molecular Genetics, Institute for Comprehensive Medical Science, Fujita Health University, Toyoake, Japan 3.Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan 4.Department of Developmental Medicine, Research Institute, Osaka Medical Center for Maternal and Child Health, Izumi, Japan 5.Laboratory for Medical Science Mathematics, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan 6.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 7.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan 8.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan 9.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

E-006 Local impermeant anions determine the neuronal chloride concentration.

Kiyoshi Egawa[1], Glykys Joseph [2], Shiraishi Hideaki [1], Kevin Staley[2]

1.Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan 2.Department of Neurology, Massachusetts General Hospital, Boston. U.S.A.

E-007 Whole-exome sequencing in autosomal recessive microcephaly

Ganeshwaran Hitoshi Mochida[1,2], Tojo Nakayama [1], Malak El-Quessny [1], R. Sean Hill[1,3], Anna Rajab[4], Samir Khalil[5], Klaus Schmitz-Abe[1], Kyriacos Markianos[1], Almundher Al-Maawali [1], Jennifer Partlow [1,3], Brenda Barry [1,3], Muna Al-Saffar [1,3], Christopher Walsh [1,3]

1.Division of Genetics and Genomics, Manton Center for Orphan Disease Research , Boston Children's Hospital, Boston, MA, USA 2.Pediatric Neurology Unit, Massachusetts General Hospital, Boston, MA, USA 3.Howard Hughes Medical Institute, Boston Children's Hospital, Boston, MA, USA 4.National Genetic Center, Ministry of Health, Sultanate of Oman 5.Al-Makassed Islamic Charitable Society Hospital, Jerusalem

E-008 Genetic analysis of West syndrome with involuntary movements: a single center study

Yu Kobayashi[1], Noriyuki Akasaka [1], Shinichi Magara [1], Hideshi Kawashima[1], Hideaki Shiraishi[2], Kazuyuki Nakamura[3], Mitsuhiro Kato[3], Jun Tohyama[1], Hirotomo Saitsu [4], Naomichi Matsumoto [4]

1.Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan 2.Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Hokkaido, Japan 3.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

E-009 Truncating mutation in NFIA causes brain malformation and urinary tract defects

Yutaka Negishi[1], Ayako Hattori [1], Ikumi Hori [1], Naoki Ando[1], Fuyuki Miya[2], Tatsuhiko Tsunoda[2], Nobuhiko Okamoto[3], Mitsuhiro Kato[4], Mami Yamasaki [5], Yonehiro Kanemura [6,7], Kenjiro Kosaki [8], Shinji Saitoh [1], , ,

1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan 2.Laboratory for Medical Science Mathematics, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan 3.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan 4.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 5.Department of Neurosurgery, Takatsuki General Hospital, Osaka, Japan 6.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan 7.Department of Neurosurgery, Osaka National Hospital, National Hospital Organization, Osaka, Japan 8.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan

E-010 Establishment and application of stem cell model of spinal muscular atrophy

Michinori Funato[1,2], Kazuki Ohuchi [1,3], Zenichiro Kato [0], Tsubasa Kameyama[1,3], Shiori Ando[0], Masamitsu Shimazawa[3], Hideaki Hara[3], Kanako Maruta[2], Yuko Shimokawa [2], Hideyuki Morita [2], Kumiko Miyazaki [2], Koji Tatebayashi [2], Mitsuru Yano [5], Yasushi Uchida [2], Hideo Kaneko [1,2]

1.Department of Clinical Research, National Hospital Organization, Nagara Medical Center, Gifu, Japan 2.Department of Pediatrics, National Hospital Organization, Nagara Medical Center, Gifu, Japan 3.Molecular Pharmacology, Department of Biofunctional Evaluation, Gifu Pharmaceutical University, Gifu, Japan 4.Division of Structural Medicine, The United Graduate School of Drug Discovery and Medical Information Sciences, Gifu University, Gifu, Japan 5.Department of Pediatric Neurology, National Hospital Organization, Nagara Medical Center, Gifu, Japan

E-011 Thyrotropine releasing hormone therapy on SMA: iPS cell evaluation and 3D-motion-capture

Zenichiro Kato[1,2], Naoki Matsumaru [3], Ryo Hattori [4], Shimizu Norohito[4], Yasutaka Shii[4], Hidenori Ohnishi[2], Takeshi Kimura[2], Norio Kawamoto[2], Toshiyuki Fukao [2], Takaaki Aoki [4], Kei Miyamoto [5], Haruhiko Akiyama [5], Kazuki Ohuchi [5], Hideaki Hara [6], Michinori Funato [7]

1.The United Graduate School of Drug Discovery and Medical Information Sciences, Gifu University, 2.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan 3.Innovative Clinical and Clinical Research Promotion Center, Gifu University Hospital, Gifu, Japan 4.Department of Rehabilitation, Gifu University Hospital, Gifu, Japan 5.Department of Orthopedic Surgery, Graduate School of Medicine, Gifu University, Gifu, Japan 6.Molecular Pharmacology, Department of Biofunctional Evaluation, Gifu Pharmaceutical University, Gifu, Japan 7.Department of Clinical Research, National Hospital Organization, Nagara Medical Center, Gifu, Japan

E-012 Clinical features of 3 cases with 1q43q44 microdeletion syndrome

Hiwatari Erika[1], Kenjiro Kikuchi [1,3], Yuko Hirata [1], Atsuko Oba[1], Yuji Kumagai[1], Reiko Koichihara[2], Manabu Tanaka[2], Motoyuki Minamitani[1], Shin-Ichiro Hamano[1]

1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan 2.Department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan 3.Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan

E-013 Cytogenetic and clinical characterization of 4 patients with chromosome 15q duplication

Mieko Yoshioka[1], Takeshi Yoshida [2], Azusa Maruyama [3], Hiroaki Nagase[3]

1.Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged, Kobe, Japan 2.Department of Pediatrics, Kobe City Medical Center General Hospital, Kobe, Japan 3.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital

E-014 3p Interstitial Deletion Including PRICKLE2 in Identical Twins with Autistic Features

Akihisa Okumura[1,2], Toshiyuki Yamamoto [3], Masakazu Miyajima [4], Keiko Shimojima[3], Satoshi Kondo[4], Shinpei Abe[2], Mitsuru Ikeno[2], Hirokazu Kurahashi[1], Michihiko Takasu [1], Toshiaki Shimizu [2]

1.Department of Pediatrics, Aichi Medical University, Nagakute, Japan 2.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan 3.Tokyo Womens' Medical University Institute for Integrated Medical Sciences, Tokyo, Japan 4.Department of Neurosurgery, Juntendo University Faculty of Medicine, Tokyo, Japan

E-015 A novel TUBB3 mutation presenting with focal autonomic neuropathy

Shinobu Fukumura[1], Kentaro Kawamura [1], Koki Nikaido [1], Hiroyuki Tsutsumi[1], Toshihide Watanabe[2], Akiko Tsuzuki[3], Mitsuhiro Kato[4]

1.The Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan 2.The Department of Child Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan 3.The Department of Rehabilitation, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan 4.The Department of Pediatrics, Yamagata University, Yamagata, Japan

E-016 Basal ganglia aplasia in a patient with ZNF335 gene mutations: the second pedigree in the world

Rieko Sato[1,5], Jun-Ichi Takanashi [2], Mitsuhiro Kato [3], Hirotomo Saitsu[4], Osamu Komiyama[0], Takao Takahashi[5]

1.Department of Pediatrics, National Tokyo Medical Center, Tokyo, Japan 2.Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan 3.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan 5.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

E-017 Natural history of Rett syndrome

Yoshiko Nomura[1], Kazue Kimura[1], Yuri Nagao[1], Kei Hachimori[1], Masaya Segawa[1]

1.Segawa Neurological Clinic for Children, Tokyo, Japan

E-018 Gaze direction modulates the neural activity in the right prefrontal region during inhibitory task

Takahiro Ikeda[1,2], Masahiro Hirai [3], Yukifumi Monden [2], Masako Nagashima[2], Tsutomu Mizutani[3], Hideo Shimoizumi[1], Hitoshi Osaka[2], Takanori Yamagata[2], Eiju Watanabe [4]

1.Nasu Institute for Developmental Disabilities, International University of Health and Welfare Rehabilitation Center, Tochigi, Japan 2.Department of pediatrics, Jichi medical university, Tochigi, Japan 3.Functional Brain Science laboratory, Center for Development of Advanced Medical Technology, Jichi Medical University, Tochigi, Japan 4.Department of Neurosurgery, Jichi medical university, Tochigi, Japan

E-019 fNIRS-based assessment of MPH effect in drug-naive ADHD: a double-blind, placebo-controlled study

Ma Nagashima[1], Yukifumi Monden [1], Ippeita Dan [2], Tutomu Mizutani[3], Takahiro Ikeda[1], Hideo Shimoizumi[4], Eijyu Watanabe[5], Takanori Yamagata[1]

1.Department of Pediatrics, Jichi Medical University 2.Applied Cognitive Neuroscience Laboratory, Faculty of Science and Technology, Chuo University 3.Jichi Medical University, Functional Brain Science Laboratory 4.Rehabilitation Center, International University of Health and Welfare 5.Department of Neurosurgery, Jichi Medical University

E-020 Low Striatal Activity during Reward Perception Caused by Childhood Adversity.

Shinichiro Takiguchi[1], Takashi X. Fujisawa [2], Sakae Mizushima [3], Daisuke N. Saito[2,4], Hirokazu Kumazaki[2], Michiko Koizumi[2], Minyoung Jung[3], Koji Shimada[0], Yuko Okamoto [0], Hirotaka Kosaka [2,5], Akemi Tomoda [2]

1.Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, Japan 2.Research Center for Child Mental Development, University of Fukui, Fukui, Japan 3.United Graduate School of Child Development, Osaka University, Kanazawa University, Hamamatsu University School of Medicine, Chiba University, and University of Fukui, Fukui, Japan 4.Biomedical Imaging Research Center, University of Fukui, Fukui, Japan 5.Department of Neuropsychiatry, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

E-021 A new algorism of volumetry for the neonatal brain

Masafumi Sanefuji[1,2], Hirosuke Inoue [2], Fumio Yamashita [3], Masayuki Ochiai[2], Takeshi Kusuda[2], Yasunari Sakai[2], Yoshito Ishizaki[2], Sooyoung Lee[2], Michiko Torio [2], Toshiro Hara [2]

1.Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan 2.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan 3.Devision of Ultrahigh Field MRI, Institute for Biomedical Sciences, Iwate Medical University

E-022 Dynamic statistical parametric mapping（dSPM）for bottom of sulcus focal cortical dysplasia（BOSD)

Midori Nakajima, Ayako Oshi, Hiroshi Otsubo
Division of Neurology, The Hospital for Sick Children, Toronto, Ontario, Canada

E-023 Subcortical oligodendroglia-like cells wiring multiple lobe epileptogenic zones in children

Satoru Sakuma[1,2], Kazuo Okanari [1], Midori Nakajima [1], Ayako Ochi[1], Hiroshi Otsubo[1]

1.The Hospital for Sick Children, Toronto, Canada 2.Osaka Japan

E-024 Genotype-Phenotype Correlations in Japanese Patients with Alternating Hemiplegia of Childhood

Masayuki Sasaki[1], Atsushi Ishii [2], Yoshiaki Saito [0], Shinichi Hirose[2]

1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan 3.Division of Child Neurology, Tottori University School of Medicine, Yonago, Japan

E-025 Nationwide analysis of epidemiology of holoprosencephaly in Japan

Yuichi Abe[1], Kaori Sassa [1], Ryuichiro Araki [2], Masanori Tamura[3], Hisanori Sobajima[3], Tetsuya Kunikata[1], Akira Ohtake[1], Hideo Yamanouchi[1]

1.Department of Pediatrics, Saitama Medical University, Saitma, Japan 2.Community Health Science Center, Saitama Medical University, Saitama, Japan 3.Division of Neonatal Medicine, Center for Maternal, Fetal and Neonatal Medicine, Saitama Medical Center, Saitama Medical University, Saitama, Japan

E-026 Pre-school developmental-behavioral screening and support at 5-year-old in Taketa, Oita.

Seigo Korematsu[1], Tomoyuki Takano [1], Tatsuro Izumi [1]

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

E-027 Simulation-based training in determination of brain death for organ donation in children

Takashi Araki[1], Toshio Osamura [2], Hiroyuki Yokota [1]

1.Department of Emergency and Critical Care Medicine, Nippon Medical School Hospital, Tokyo, Japan 2.The Exploratory Committee for Brain Death Determination and the Related Issues,

E-028 New molding helmet therapy criteria in Asian infants positional head deformity

Yasuo Aihara[1], Kana Komatsu [1], Yoshikazu Okada [1]

1.The Department of Neurosurgery, Tokyo Women's Medical University, Tokyo, Japan

E-029 Usefulness of the CBCL to evaluate emotional and behavioral problems in Indonesian ASD children

Sri Hartini[1], Sunartini Hapsara[2], Siti E. Herini[3], Satoshi Takada[3]

1.Graduate School of Health Sciences, Kobe University, Japan , 2.School of Nursing, Faculty of Medicine, Gadjah Mada University, Yogyakarta, Indonesia, 3.Faculty of Medicine, 3Gadjah Mada University,Yogyakarta, Indonesia

E-030 Cytokine genes and risk of acute encephalopathy with status epilepticus

Makiko Saitoh[1], Sain Kou [1], Ai Hoshino [1], Kenjiro Kikuchi[2], Gaku Yamanaka[3], Masaya Kubota[4], Jun-Ichi Takanashi[5], Tomohide Goto[6], Masashi Mizuguchi [1], , , , , , ,

1.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo 2.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan 3.Department of Pediatrics, Tokyo Medical University, Tokyo, Japan 4.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan 5.Department of Pediatrics, Tokyo Women's Medical Univerisity, Yachiyo Medical Center, Yachio, Japan 6.Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan

E-031 Immunological studies of blood from patients with CNS-symptom after human papillomavirus vaccination

Yukitoshi Takahashi[1], Takashi Matsudaira [1], Hitoshi Nakano [1], Hirosato Nasu[1], Hitoshi Ikeda[1], Kentaro Nakaoka[1], Yushi Inoue[1], Rumiko Takayama[2], Masayasu Ohta [3]

1.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan 2.Department of Pediatrics, Hokkaido medical Center for Child Health and Rehabilitation, Sapporo. Japan 3.Department of Pediatrics, JA Toride General Medical Center, Toride, Japan

E-032 Interleukin-34 facilitates commitment of hematopoietic cells to micloglia-like cells

Hiroshi Sakuma[1], Tomonori Suzuki [1], Masaharu Hayashi [1], Daisuke Noto[2], Reiko Saika[2], Takashi Yamamura[2], Sachiko Miyake[3]

1.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 2.Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan 3.Department of Immunology, Juntendo University Graduate School of Medicine, Tokyo, Japan

E-033 Delayed maturation of the preterm brain at term

Chikako Ogawa[1], Hiroyuki Kidokoro [1], Yu Okai [1], Yoko Sakaguchi[1], Yuji Ito[1], Tamiko Negoro[1], Kazuyoshi Watanabe[1], Masahiro Hayakawa[2], Jun Natsume [1]

1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan 2.Division of Neonatology, Center for Maternal-Neonatal Care Nagoya University Hospital, Nagoya, Japan

E-034 A storm of fast (40-150 Hz) oscillations during hypsarrhythmia in West syndrome

Katsuhiro Kobayashi[1], Tomoyuki Akiyama [1], Makio Oka [1], Fumika Endoh[1], Harumi Yoshinaga[1]

1. Department of Child Neuology, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences and Okayama University Hospital

2.

E-035 An update of phenotype of infantile epilepsy with a PRRT2 mutation

Hirokazu Kurahashi[1], Akihisa Okumura [1], Ayuko Igarashi [2], Shinpei Abe[2], Michihiko Takasu[1], Katsuhiro Kobayashi[3], Iori Ohmori[4], Mamoru Ouchida[5], Shinichi Hirose [6], Atsushi Ishii [6], Satoru Takahashi [7], Tomonari Awaya [8], Toshiyuki Yamamoto [9]

1.Department of Pediatrics, Aichi Medical University, Nagakute, Japan 2.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan 3.Department of Child Neurology, Okayama University Hospital, Okayama, Japan 4.Ethics Committee, Graduate School and Faculty of Medicine, Kyoto University, Kyoto, Japan 5.Department of Molecular Genetics, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan 6.Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan 7.Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan 8.Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan 9.Tokyo Womens Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

E-036 SSEP N20 and developmental outcome after hemispherotomy in Ohtahara syndrome with hemimegalencephaly

Kenji Sugai[1], Ryoko Honda [1], Takashi Saito [1], Yuko Motohasi-Shinozaki[1], Eri Takeshita[1], Hirofumi Komaki[1], Eiji Nakagawa[1], Masayuki Sasaki[1], Akio Takahashi [2], Takanobu Kaido [2], Yuu Kaneko [2], Taisuke Otsuki [2]

1.Department of Child Neurology, National Center of Neurology and Psuchiatry, Tokyo, Japan 2.Department of Neurosurgery, National Center of Neurology and Psuchiatry, Tokyo, Japan

E-037 Focal Epilepsy in children with periventricular leukomalacia

Michihiko Takasu[1], Akihisa Okumura [1], Hirokazu Kurahasi [1], Tetsuo Kubota[2], Toru Kato[3]
1.Department of Pediatrics, Aichi Medical University, Aichi, Japan 2.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan 3.Department of Pediatrics, Okazaki City Hospital, Aichi, Japan

E-038 Diagnostic Performance and Utility of the Child Behavior Checklist DSM-Oriented Scales in Epilepsy

Mayu Fujikawa[1]
1.Department of Epileptology, Tohoku University Hospital, Sendai, Japan

E-039 An encephalopathy with Dravet syndrome which may be caused by use of thiopental with stiripentol

Atsuro Daida[1], Mina Yokoyama [1], Masaaki Ogiwara [1]
1.St. Luke's International Hospital

E-040 Eye symptom and epileptic spasm in West syndrome

Yosuke Kakisaka[1,2], Naomi Hino-Fukuyo [2], Mitsugu Uematsu [2], Mayu Fujikawa[1]
1.Department of Epileptology, Tohoku University, Sendai, Japan 2.Department of Pediatrics, Tohoku University, Sendai, Japan 3.Department of Neurosurgery, Tohoku University, Sendai, Japan

E-041 A case of glossopharyngeal neuralgia with reccurent bradycardia attacks

Shiro Ozasa[1], Hirofumi Kosuge [1], Keiko Nomura [1], Shigemi Kimura[1], Fumio Endo[1]
1.Pediatrics, University of Kumamoto, Kumamoto, Japan

E-042 High prevalence of the mutation R326Q in 30 children with b-ureidopropionase deficiency in East Asia

Yoko Nakajima [1], Judith Meijer [2], Chunhua Zhang [3], Yoriko Watanabe [4], Tomoko Lee 5, Hiroshi Mitsubuchi 6 Kaoru Eto [7], Tomiko Kuhara [8], Tetsuya Ito [1], André B. P. van Kuilenburg [2]
1.Fujita Health University, Department of Pediatrics, Toyoake, Japan 2.Academic Medical Center, Laboratory, Genetic Metabolic Diseases, Noord-Holland, Netherlands 3.Research and Development, MILS International 4. Kurume University School of Medicine, Department of Pediatrics, Fukuoka, Japan Hyogo 5. College of Medicine, Department of Pediatrics, Hyogo, Japan 6. Kumamoto University, Department of Neonatology, Kumamoto, Japan 7. Tokyo Women's Medical University, Department of Pediatrics, Tokyo, Japan 8. Japan Clinical Metabolomics Institute, Kahoku, Japan

E-043 One female case with AADC deficiency

Karin Kojima[1], Hitoshi Osaka [1], Chihiro Ohba [3], Rie Anzai[2], Tomohide Goto[2], Ayumi Matsumoto[1], Sachie Nakamura[1], Akihiko Miyauchi[1], Hirotomo Saitsu [3], Naomichi Matsumoto [3], Takanori Yamagata [1]
1.Department of Pediatrics, Jichi Medical University, Shimotsuke-shi, Tochigi, Japan 2.Kanagawa Children's Medical Center,Yokohama, Kanagawa, Japan 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Kanagawa, Japan

E-044 The first Japanese case of Leigh encephalopathy without cardiomyopathy due to mutations in GTPBP3

Fuyu Miyake[1], Takahito Wada [1,5], Mizue Iai [1], Sumimasa Yamashita[1], Hitoshi Oaska[1], Tomohide Goto[1], Noriko Aida[2], Kei Murayama[3], Akira Otake [4]
1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 2.Division of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan 3.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan 4.Department of Pediatrics, School of Medicine, Saitama Medical University, Iruma, Japan 5.Department of Medical Ethics and Medical Genetics; Kyoto Graduate School of Medicine, Kyoto University, Kyoto, Japan

E-045 Novel mutation of PLA2G6 gene in homozygote twins with INAD (infantile neuroaxonal dystrophy)

Kyoko Hoshino[1], Genkichi Izumi [1], Kishin Koh [2], Yoshihisa Takiyama[2]
1.The Department of Pediatrics, Minami Wakayama Medical Center, Wakayama, Japan 2.Department of Neurology, University of Yamanashi.

E-046 The first case of Japanese limb-girdle muscular dystrophy 2I with a novel FKRP mutation

Hiroyuki Awano[1], Masahiro Nishiyama [1], Tomoko Lee [2], Mariko Yagi[3], Yasuhiro Takeshima[2], Kanako Goto[0], Satomi Mitsuhashi[0], Ichizo Nishino[0], Masafumi Matsuo [1], Kazumoto Iijima [1]
1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan 2.Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan 3.Nikoniko House Medical and Welfare Center, Kobe, Japan 4.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan 5.Department of Clinical Development, Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan

E-047 Dystrophinopathy and pregnancy: Do the carriers have obstetric risks?

Yuko Motohashi[1], Akihiko Ishiyama [1], Eri Takeshita [1], Hirofumi Komaki[1], Takashi Saito[1], Eiji Nakagawa[1], Kenji Sugai[1], Masayuki Sasaki[1]
1.Department of Child Neurology, National Center of Neurology and Psychiatry

Oral Presentation

O-001 LD survey of the case of the Shizuoka developmentally disabled person support center consultation

Keiko Maeda[3], Sueda Keitaro [2], Keiko Morioka [2], Sachiyo Hayakawa[2], Izumi Hara[2]
1.Shizuoka city developmentally disabled person support center 2.Shizuoka-iryou-fukusi center,department of neuropediatrics,shizuoa city,japan 3.Shizuoka saiseikai general hospital, department of pediatrics, shizuoka city, japan

O-002 Topographical cognition in a patient with visual insufficiency measured by a test using CAVE

Eiji Wakamiya[1], Tomohito Okumura [2], Hiroshi Watanabe [3], Hiroshi Tamai[2,4]
1.Center for Deneral Education, Faculty of Health Science, Aino University, Ibaraki, Japan 2.LDcenter, Osaka Medical College, Takatsuki, Japan 3.Health research institute, National institute of advanced industrial science and technology, Ikeda, Japan 4.Department of pediatrics, Osaka Medical College, Takatsuki, Japan

O-003 Decoding and Reading Comprehension Skills in children with reading and writing difficulties

Mekumi Mizuta[1], Tomohito Okumura [1], Makoto Nakanishi , Tomoko Miura[1,3], Naoko Kurimoto[1], Takashi Takeshita[1], Akihiro Kawasaki[4], Eiji Wakamiya[0], Hiroshi Tamai [6]
1.Osaka Medical College,LD Center,Takatsuki,Japan 2.Kansai University,Graduate School of Psychology,Suita,Japan 3.Palm Children's Clinic,Ritto,Japan 4.University of Toyama,Faculty of Human 5.Aino University,Faculty of Nurse Science,Center for General Education, Ibaraki,Japan 6.Osaka Medical College,Department of Pediatrics,Takatsuki,Japan

O-004 A study of pathogenesis of children with reading difficulty through by RTI

Tatsuya Koeda[1], Ayumi Seki [2], Hisakazu Yanaka [2], Hitoshi Uchiyama[4]
1.Department of Regional Education, Faculty of Regional Sciences, Tottori University 2.Child Development and Learning Research Center, Tottori University, Tottori, Japan 3.National Hospital, Tottori Medical center, Tottori, Japan 4.Tochigi, Japan

O-005 A dyslexic girl complicated by specific language impairment

Kazuyori Yagyu[1], Ryusaku Hashimoto [2], Michiru Iwata [3], Atsushi Shimojo[4], Harumitsu Murohashi[3]
1.Department of Child and Adolescent Psychiatry, Graduate School of Medicine, Hokkaido University, Hokkaido, Japan 2.Department of Psychology, Health Sciences University of Hokkaido, Hokkaido, Japan 3.Faculty of Education, Graduate School of Education, Hokkaido University, Hokkaido, Japan 4.Graduate School of Information Science and Technology, Hokkaido University, Hokkaido, Japan

O-006 The relationship between dioxins in the breast milk and academic achievement in junior high schools

Yohane Miyata[1], Makiko Shimazaki [1], Yukiko Nakamura [0], Kunimasa Yan[1], Akira Oka[3]
1.Department of Pediatrics, Kyorin University School of Medicine, Tokyo, Japan 2.Department of pediatrics, Tokyo Teishin Hospital, Tokyo, Japan 3.Department of Pediatrics, the University of Tokyo, Tokyo, Japan

O-007 Clinical features and long term outocome of Japanese children with seropositivity to MOG antibodies

Naomi Fukuyo[1], Kazuhiro Haginoya [1], Ichiro Nakashima [2], Douglas Kazutoshi Sato[2], Toshiyuki Takahashi[2], Tatsuro Misu[2], Kazuo Fujihara[2], Mieko Hirose[1], Yosuke Kakisaka [1], Mitsugu Uematsu [1], Tomoko Kobayashi [1], Shigeo Kure [1]
1.The Department of Pediatrics, School of Medicine, Tohoku University, Japan 2.Department of Neurology, Tohoku University of School of Medicine, Sendai, Japan

O-008 Would The Long Term Prognosis of Retrobulbar Optic Neuritis be Different in Autoantibodies?

Fuyu Miyake[1], Masayuki Shimono [1], Yumeko Matsuda [1], Tomofumi Fukuda[1], Masahiro Ishii[1], Ayako Senju[1], Shiho Takano[1], Kouichi Kusuhara[1]
1.The Department of Pediatrics, University of Occupational and Environmental Health, Kitakyushu, Japan

O-009 A case of neuromyelitis optica with myelin-oligodendrocyte glycoprotein antibody

Ruka Nomura[1], You Okitsuka [1], Yuya Hashimura [1], Hikaru Kitahara[1], Atsuko Harada[2], Takumi Yamanaka[2], Syuichi Shimakawa[3], Miho Fukui[3], Hidetsuna Utsunomiya [4], Toshiyuki Takahashi [5], Shinsaku Hayashi [1], Mami Yamasaki [2], Hirotaka Minami [1]
1.The Department of pediatrics, Takatsuki General Hospital, Osaka, Japan 2.The Department of pediatric neurosurgery, Takatsuki General Hospital, Osaka, Japan 3.The Department of pediatrics, Osaka medical college, Osaka, Japan 4.The Department of radiological sciences, International University of health and welfare graduated school, Fukuoka, Japan 5.The Department of neurology, Tohoku University school of medicine,Sendai, Japan

O-010 Four cases of multiple sclerosis diagnosed in infancy

Masahiro Nishiyama[1,2], Hiroaki Nagase [2], Tsukasa Tanaka [2], Azusa Maruyama[2], Daisaku Toyoshima[1], Taku Nakagawa[1], Naoya Morisada[1], Yoshinobu Oyazato[3], Keisuke Saeki [4], Satoshi Takada [5], Kazumoto Iijima [1]
1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan 2.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan 3.Department of Pediatrics, Kakogawa West City Hospital, Kakogawa, Japan 4.Department of Pediatrics, Nishiwaki Municipal Hospital, Nishiwaki, Japan 5.Kobe University Graduate School of Health Science, Kobe, Japan

O-011 Cognitive functioning with acute disseminated encephalomyelitis and clinical isolated syndrome

Megumi Nukui[1], Hisashi Kawawaki [1], Kiyohiro Kin [1], Masataka Fukuoka[1], Yuka Hattori[1], Hitomi Tsuji[1], Asako Horino[1], Ichiro Kuki[1], Shin Okazaki [1], Masako Okada [1], Kiyotaka Tomiwa [1]

1.The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japam

O-012 Radiographic review to distinguish inflammatory demyelinating diseases of the CNS from brain tumor.

Yuka Hattori[1], Hisasi Kawawaki [1], Megumi Nukui [1], Kiyohiro Kin[1], Masataka Fukuoka[1], Hitomi Tsuji[1], Asako Horino[1], Ichiro Kuki[1], Sin Okazaki [1], Kiyotaka Tomiwa [1], Yasuhiro Matuzaka [2], Hiroaki Sakamoto [2]

1.Osaka City General Hospital,Osaka,Japan 2.Osaka City General Hospital,Osaka,Japan

O-013 The clinical analysis of AEFCSE under intensive management conditions after early seizure

Masataka Fukuoka[1], Hisashi Kawawaki [1], Ichirou Kuki [1], Yuka Hattori[1], Hitomi Tsuji[1], Asako Horino[1], Megumi Nukui[1], Shin Okazaki[1], Junichi Ishikawa [2], Kiyoko Amou [2], Masao Togawa [2], Kouji Rinka [3], Kiyotaka Tomiwa [1,4], Masashi Shiomi [5]

1.The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan 2.The Department of Pediatric Emergency Medicine, Osaka City General Hospital, Osaka, Japan 3.The Department of Emergency Medical Service Center, Osaka City General Hospital, Osaka, Japan 4.The Department of Pediatrics , Todaiji Medical and Educational Center, Nara, Japan 5.The Department of Aizenbashi Hospital, Osaka, Japan

O-014 The utility of quantitive EEG for diagnosis of febrile seizure and pediatric acute encephalopathy

Sooyoung Lee[1], Yasunari Sakai [1], Masafumi Sanefuji [1], Yoshito Ishiaki[1], Michiko Torio[1], Hiroyuki Torisu[1], Tochiro Hara[1], , , , , , , ,

1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu Univer sity, Fukuoka, Japan

O-015 Dose underlying diseases affect the clinical course in hemiconvulsion-hemiplegia-epilepsy syndrome?

Kenjiro Kikuchi[1,2], Shin-Ichiro Hamano [1,3], Yuko Hirata [0], Yuji Kumagai[1], Atsuko Oba[1], Kotoko Suzuki[2], Ryuki Matsuura[2], Reiko Koichihara[3], Manabu Tanaka [3], Motoyuki Minamitani [1]

1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan 2.Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan 3.Department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan

O-016 Acute encephalitis with refractory, repetitive partial seizures ketogenic diet was effective.

Yu Okai[1], Jun Natume [1], Tikako Ogawa [1], Yuji Itou[1], Hiroyuki Kidokoro[1], Naoko Isihara[1], Yosiki Azuma[1], Tomoya Takeuti[1], Seturi Yokoi [1], Masayuki Yamamoto [1], Kiyokuni Miura [1], Tamiko Negoro [1], Kazuyosi Watanabe [1], ,

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

O-017 The case of clinico-electrical dissociation of encephalopathy

Soichiro Toda[1], Jun-Ichi Takanashi [2], Hiroshi Sakuma [3]

1.Kameda Medical Center, Pediatrics, Chiba, Japan 2.Tokyo Womens Medical University Yachiyo Medical Center, Pediatrics, Tokyo, Japan 3.Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-018 Electroencephalography of MERS

Masaharu Ohfu[1], Hayato Fukuzato [1], Masato Hiyane [1], Tsuyoshi Matsuoka[1]

1.Division of Child Neurology, Okinawa Prefectural Southern Medical Center and Children's Medical Center

O-019 Retrospective study on 8 cases of brain hypothermia therapy for acute encephalopathy in childhood.

Kaori Sassa[1], Yuki Minamikawa [1], Yuich Abe [1], Hideo Yamanouchi[1]

1.Department of Pediatrics, Saitama Medical University, Saitama, Japan

O-020 Assessment of energy expenditure in two child cases treated with hypothermia

Yoshihiro Watanabe[1], Yu Fujiwara [1], Hirotaka Motoi [1], Saoko Takeshita[1]

1.Department of Pediatrics, Yokohama City University Medical Center

O-020 Assessment of energy expenditure in two child cases treated with hypothermia

Yoshihiro Watanabe[1], Yu Fujiwara [1], Hirotaka Motoi [1], Saoko Takeshita[1]

1.Department of Pediatrics, Yokohama City University Medical Center

O-021 Effectiveness of dexamethasone for Human Parechovirus-3 encephalitis

Kiyohiro Kim[1], Hisashi Kawawaki [1], Ichirou Kuki [1], Masataka Fukuoka[1], Yuka Hattori[1], Hitomi Tsuji[1], Asako Horino[1], Megumi Nukui[1], Shin Okazaki [1]

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

O-022 Recurrent encephalopathy in patients with Sotos syndrome

Mari Kuwajima[1], Masako Nagashima [1], Yuko Nakano [1], Yukihumi Monden[1], Hitoshi Osaka[1], Takanori Yamagata[1]

1.Department of Pediatrics, Jichi Medical University

O-023 Rotavirus associated acute encephalopathy: Report of 11 cases

Chizu Oba[1], Mitsuru Kashiwagi [1], Takuya Tanabe [2], Sousuke Yoshikawa[3], Ryogeu Miyamoto[4], Miho Hukui[5], Shuichi Shimakawa[5], Kouji Azumakawa[6], Eiji Wakamiya [7], Hiroshi Tamai [5]

1.Hirakata City Hospital, Osaka, Japan 2.Department of Pediatric Neurology, Tanabe child clinic 3.Department of Pediatrics, Osaka Rosai College 4.Department of Pediatrics, Ibaragi Saiseikai Hospital 5.Department of Pediatrics, Osaka Medical College 6.Department of Pediatrics, Seikeikai Hospital 7.Aino University

O-024 Three cases of acute encephalopathy with bilateral basal ganglia lesions

Ikumi Hori[1], Yuji Ito [2], Yutaka Negishi [1], Ayako Hattori[1], Takeshi Tsuji[3], Naoki Ando[1], Tetsuo Kubota[4], Hiroshi Sakuma[5], Akihisa Okumura [6], Jun Natsume [2], Shinji Saitoh [1]

1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan 2.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan 3.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan 4.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan 5.Tokyo Metropolitan Institute of Medical Science 6.Department of Pediatrics, Aichi Medical University Hospital, Nagakute, Japan

O-025 A case of acute cerebellitis presented with diplopia

Yosuke Kosugi[1], Rumiko Takayama [1], Toshihide Watanabe [1]

1.Hokkaido Medical Center for Child Health and Rehabilitation,Sapporo,Japan

O-026 Four cases with central nerve system symptoms after human papillomavirus vaccination

Rumiko Takayama[1], Toshihide Watanabe [1], Yukitoshi Takahasi [2]

1.Hokkaido Medical Center for child health and rehabilitation 2.National EpilepsyCenter, Shizuoka Institute of Epilepsy and Neurological Di sorder, Shizuoka,

O-027 Influenza vaccines for individuals with severe motor and intellectual disabilities

Takashi Ichiyama[1], Naoko Ishikawa [1], Hironori Matsufuji [1], Hiroshi Isumi[1], Yoshitsugu Sugio[1]

1.Department of Pediatrics, Tsudumigaura Children's Medical Center, Yamaguchi, Japan

O-028 Activation of kynurenine pathway in subacute sclerosing panencephalitis

Takeshi Matsushige[1], Hirofumi Inoue [1], Madoka Kajimoto [1], Momoko Oka[1], Shunji Hasegawa[1], Hiromitsu Ohmori[2], Arato Okuno[3], Osamu Takikawa[3], Shouichi Ohga [1]

1.Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan 2.Department of Pediatrics, National Hospital Organization Yanai Medical Center, Yamaguchi, Japan 3.National Institute for Longevity Sciences, National Center for Geriatrics and Gerontology, Aichi, Japan

O-029 Listeria monocytogenes meningitis that it passed gradual clinical course, and LZD was effective

Eisuke Kondo[1], Hiroto Akaike [1], Atsushi Kato [1], Mina Kouno[1]

1.Pediatrics, Kawasaki Medical School, Okayama, Japan

O-030 The epidemiology and prognostic factors of bacterial meningitis in childhood

Yukihiko Kawasaki[1], Yuichi Suzuki [1], Assako Kato [1], Hiroki Tsukada[1], Mitsuaki Hosoya[1]

1. Department of Pediatrics, Fukushima Medical University School of Medicine.

O-031 A case of ICCA syndrome in which PRRT2 gene sequencing was useful for daiagnosis

Hirofumi Kurata[1], Masahiro Migita [1], Atsushi Ishii [2], Shinichi Hirose[2]

1.Department of Pediatrics, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan 2.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

O-032 A case of benign hereditary chorea with neonatal respiratory failure and congenital hypothyroidism

Takenori Tozawa[1], Satoshi Kono [2], Takashi Konishi [2], Toshiyuki Yamamoto[3]

1.Department of Pediatrics, Ayabe City Hospital, Kyoto, Japan 2.First Department of Medicine, Hamamatsu University School of Medicine, Hamamatsu, Japan 3.Tokyo Women's Medicine University Institute for Integrated medicine Sciences, Tokyo, Japan

O-033 Myoclonic movements in ataxia-telangiectasia

Shumpei Uchino[1], Satoko Kumada [1], Setsuko Hasegawa [2], Takatoshi Hosokawa[3], Tojo Nakayama[4], Mitsugu Uematsu[4], Akio Fujine[5], Yukihiko Konishi[6], Atsushi Sato [1], Ikuko Shirai [1], Yasuo Hachiya [1], Eiji Kurihara [1]

1.Department of Pediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan 2.Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan 3.Department of Pediatrics, Hosogi Hospital, Kochi, Japan 4.Department of Pediatrics, Tohoku University, Sendai, Japan 5.Department of Pediatrics, Fukui Prefectural Rehabilitation Center for Children with Disabilities, Fukui, Japan 6.Department of Pediatrics, Kagawa University, Kagawa, Japan

O-034 An effective case of GPi-DBS to posttraumatic facio-oral dystonia

Ikuko Shirai[1,2], Satoko Kumada [1], Manabu Yoshihashi [1], Shunpei Uchino[1], Atsushi Sato[1], Yasuo Hachiya[2], Eiji Kurihara[1], Makoto Taniguchi[3], Fusako Yokochi [4]

1.Depaetment of Neuropediatrics, Tokyo Metropolitan Neurological Hospital 2.Department of Pediatrics, Kanagawa Rehabilitation Hospital 3.Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital 4.Department of Neurology, Tokyo Metropolitan Neurological Hospital

O-035 Pathophysiology of dyskinesia in 2 patients with PKD studying by MRCP

Masaya Kubota[1], Hiroshi Terashima [1], Mariko Kasai [1], Yuu Watanabe[1], Mai Anzai[1], Satoshi Takenaka[1], Tadayuki Kumagai[1]

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

O-036 Paroxysmal non-kinesiogenic dyskinesia with abnormal eye movement; a case report

Chihiro Yonee[1], Mayumi Matsufuji [1], Nozomi Sano [1], Yusei Baba[2], Hisashi Tsuru[2], Sumi Inoue[2], Shinsuke Maruyama[3], Kazuyuki Yotsumata[2], Satoru Takahashi [4]

1.Pediatrics, Minami Kyusyu National Hospital, Kagoshima, Japan 2.Pediatrics, Kagoshima City Hospital, Kagoshima, Japan 3.Department of Pediatrics, Kagosima University, Kagoshima, Japan 4.Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan

O-037 Sagittal suture synostosis without scaphocephalic deformation.

Kazuaki Shimoji[1], Osamu Akiyama [1], Takaoki Kimura [2], Takeyoshi Shimoji[3], Masakazu Miyajima[1], Hajime Arai[1]

1.Department of Neurosurgery, Juntendo University, Tokyo, Japan 2.Department of Neurosurgery, Juntendo Shizuoka Hospital, Shizuoka, Japan 3.Department of Neurosurgery, Okinawa prefectural southern medical center, childrens medical center, Okinawa, Japan

O-038 Two cases of schizencephaly who underwent cerebrospinal fluid shunt in early infancy.

Yoshifumi Miyagi[1], Takeshi Miyamoto [2], Kiyoko Kuroda [2], Teiji Nakayama[3], Hidetoshi Ishigaki[1], Miki Asahina[1], Tomoko Matsubayashi[1], Tokiko Fukuda[1]

1.Department of Pediatrics, Hamamatsu University School of Medicine,Shizuoka,Japan 2.Department of Pediatrics, Hamamatsu medical center,Shizuoka,Japan 3.Department of Neurosurgery, Hamamatsu medical center,Shizuoka,Japan

O-039 The clinical features and development of 12 cases for Abusive Head Trauma

Daisuke Tajima[1], Muneaki Matsuo [1]

1.The Department of Pediatrics, Fuculty of Medicine,University of Saga, Saga, Japan

O-040 A case with developmental venous anomaly complicated with recurrent venous flow-related mechanisms

Hirofumi Inoue[1], Momoko Oka [1], Madoka Kajimoto [1], Takeshi Matsushige[1], Shunji Hasegawa[1], Yoshio Nose[2], Ryou Kadoya[2], Shouichi Ohga[1]

1.Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan 2.Pediatrics, Yamaguchi Red Cross Hospital, Yamaguchi, Japan

O-041 Hyperventilation-induced Hemorrhagic Stroke in a Reversible Cerebral Vasoconstriction Syndrome

Yuri Sakaguchi[1], Toshiki Takenouchi [1,2], Makoto Anzo [3], Takao Takahashi[1]
1.Department of Pediatrics, Keio University School of Medicine 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan 3.Kawasaki Municipal Hospital, Kawasaki city, Japan

O-042 Comparison of MRI with the score of neuro-pschological tests in child patients with moyamoya disease

Kana Komatsu[1], Yasuo Aihara [1], Kouji Yamaguchi [1], Yoshikazu Okada[1]
1.The Department of Neurosurgery, Tokyo Women's Medical University Hospital, Tokyo, Japan

O-043 A case of ASNS deficiency with congenital microcephaly and progressive cerebral atrophy

Wakaba Endo[1], Takehiko Inui [1], Yukimune Okubo [1], Tomoko Kobayashi[2], Hirotomo Saitsu[3], Naomichi Matsumoto[3], Kazuhiro Haginoya[3]
1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-044 Niemann-Pick disease type C associated with peripheral neuropathy: Two case reports.

Yoshitaka Mizobe[1], Yu Tsuyusaki [1], Hiroko Shinbo [1], Keiko Watanabe[1], Mutsumi Sato[1], Rie Anzai[1], Kazushi Ichikawa[1], Mizue Iai[1], Sumimasa Yamashita [1], Tomohide Goto [1]
1.Division of Neurology, Kanagawa Children's Medical Center, Kanagawa, Japan

O-045 Characteristic findings of skeletal muscle imaging in Japanese patients with Pompe disease

Keiko Ishigaki[1], Hiroshi Kobayashi [2,3], Hideo Sugie [4], Tokiko Fukuda[5], Aya Narita[6], Kaoru Eto[1], Satoru Nagata[1], Makiko Osawa[1], Yoshikatsu Eto [0], Ikuya Nonaka [8]
1.Department of Pediatrics, Tokyo Women s Medical University, School of Medicine, Tokyo, Japan 2.Department of Pediatrics, The Jikei University, School of Medicine, Tokyo, Japan 3.Department of Gene Therapy, Research Center for Medical Sciences, The Jikei University School of Medicine, Tokyo, Japan 4.Department of Occupational Therapy, Faculty of Health and Medical Sciences, Tokoyo University, Shizuoka, Japan 5.Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan 6.Division of Child Neurology, Institute of Neurological Science, Tottori University Faculty of Medicine Yonago, Japan 7.Advanced Clinical Research Center, Institute of Neurological Disorders, Kanagawa, Japan. 8.Department of Neuromuscular Research, National Institute of Neuroscience, NCNP, Tokyo

O-046 Type of genetic abnormality in IDS gene in MPS II severe form and the therapeutic efficacy on brain

Akemi Tanaka[1], Takashi Hamazaki [1], Torayuki Okuyama [2], Norio Sakai[3], Michiko Shinpo[3], Tomo Sawada[4], Yasuyuki Suzuki[5], Hideo Mugishima[6]
1.Department of Pediatrics, Osaka City University Graaduate School of Medicine, Osaka, Japan 2.Department of Clinical Laboratory Medicine, National Center for Child Health and Development, Tokyo, Japan 3.Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan 4.Department of Pediatrics, Izumi City Hospital, Izumi, Japan 5.Medical Education Department Center, Gifu University School of Medicine, Gifu, Japan 6.Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo, Japan

O-047 A case of Aromatic L-amino acid decarboxylase deficiency

Tetsuo Kubota[1], Takeshi Suzuki [1], Tatsuya Fukasawa [1], Tamiko Negoro[1,2], Motomasa Suzuki[3], Mitsuhiro Kato[4]
1.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan 2.Department of Clinical Psychology, Faculty of Child Development, NIHON FUKUSHI UNIVERSITY, Aichi, Japan 3.Department of Neurology, Aichi Children's Health and Medical Center, Aichi, Japan 4.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

O-048 Hepato-cerebral type of Wilson disease patient with leukopenia and thrombocytopenia

Hiroki Hoshino[1], Norikzu Shimizu [1], Syoko Nakazawa [1], Noriko Mishima[1], Takashi Sekine[1], Tugutoshi Aoki[1]
1.Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo, Japan

O-049 Clinical features of Wilson disease patients with neurological symptoms, data analysis of MC-Bank

Norikazu Shimizu[1], Ayako Ogawa [1], Noriko Mishima [1], Hiroe Konishi[1], Joohyun Seo[2], Torayuki Okuyama[2], Tsugutoshi Aoki[1]
1.The Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo, Japan 2.Clinical Laboratory Medicine, National Center for Child Health and Development, Tokyo, Japan

O-050 Development of novel amphiphilic pharmacological chaperones for Fabry disease

Eiji Nanba[1], Katsumi Higaki [1], Kaori Adachi [1]
1.Research Center for Bioscience and Technology, Tottori University, Yonago,Japan 2.Division of Clinical Genetics, Tottori University Hospital, Yonago, Japan 3.Center for Promoting Next-Generation Highly Advanced Medicine Tottori University Hospital, Yonago, Japan

O-051 GDF-15 and FGF-21: correlation with severity of mitochondrial disorders

Shuichi Yatsuga[1], Tatsuyuki Kakuma [2], Yasutoshi Koga [1]

1.Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan 2.Department of Biostatistics, Kurume University Graduate School of Medicine, Fukuoka, Japan

O-052 GDF-15: a more reliable biomarker for mitochondrial disorders

Shuichi Yatsuga[1], Akiko Ishii [2], Yaysuyki Kakuma [3], Yasutoshi Koga[1]

1.Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan 2.Department of Neurology, Doctoral Program in Medical Sciences for Control of Patho-logical Processes, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki, Japan 3.Department of Biostatistics, Kurume University Graduate School of Medicine, Fukuoka, Japan

O-053 The efficacy of intravenous alendronate on osteoporosis in severe motor intellectual disabilities

Yoshimi Kaga[1,2], Sayaka Ishii [1], Yuko Kamiya [1], Kohsuke Nakamura[1], Hideaki Kanemura[2], Kanji Sugita[2], Masao Aihara[3]

1.Department of pediatrics, NHO Kofu National Hospital, Yamanashi, Japan 2.Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan 3.Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Yamanashi, Japan

O-054 A study on factors affecting growth of tibial length for children with severe cerebral palsy

Kenji Kihara[1,2], Yoko Kawasaki [3], Mariko Yagi [3], Mio Nishimura[3], Yoko Matsumoto[3], Satoshi Takada[1]

1.Kobe University Graduate School of Health Sciences, Kobe, Japan 2.Nikoniko-house medical welfare center, Kobe, Japan 3.Nikoniko-house medical welfare center, Kobe, Japan

O-055 Clinical usefulness of KL-6 for detecting chronic aspiration in severely disabled children.

Hiroyuki Wakamoto[1], Chiya Kikuchi [1], Yuka Suzuki [1], Takehiko Morimoto[1]

1. Department of Pediatric Neurology, Ehime Rehabilitation Center for Children

O-056 Investigation of hospitalization for home care at our hospital for 7 years

Takaaki Sawada[1], Tomoyuki Shimazu [1], Hiroe Ueno [1], Chizuru Nisizato[1]

1.Kumamoto Saishunso National Hospital

O-057 A survey of the short-term stay service for patients with severe and intellectual disabilities

Kazuya Goto[1], Takeshi Miyanomae [2]

1.Division of Pediatrics, Nishibeppu National Hospital, Oita, Japan 2.Division of Pediatrics, Minamikyoto National Hospital, Oita, Japan

O-058 Views of physicians about the situation of severely handicapped in the emergency and terminal period

Kaoru Amemiya[1,2], Naoko Kimura [3], Osamu Fukatu [4]

1.Shimada Ryoiku Center hachioji(Institution for persons with severe motor and intellectual disabilities),Tokyo,Japan 2.Saiwaikodomo clinic 3.Syogaiiryo clinic Sapporo,Sapporo,Japan 4.Metropolitan Medical Center of the Severely Handicapped (Fuchu-Ryoiku-Center),Tokyo,Japan

O-059 Trends in unilateral spastic cerebral palsy in Okinawa

Mayumi Touyama[1], Jun Toyama [2], Youko Kinjyo [1]

1.Okinawa Chubu Rehabilitation Hospital for Children with special needs 2.Okinawa Nanbu Rehabilitation Hospital for Children with special needs

O-060 Daily mobile function among schoolage children with cerebral palsy from periventricular leukomalacia

Yukihiro Kitai[1], Satori Hirai [1], Kayo Ohmura [1], Kaeko Ogura[1], Hiroshi Arai[1]

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

O-061 Prognosis of cerebral palsy with periventricular leukomalacia

Keiko Koterazawa[1], Yuka Okada [1], Hiroyoshi Miyata [1]

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

O-062 The influence of cerebellar atrophy on development in extremely low birth weight children.

Satori Hirai[1], Hiroshi Arai [1], Yukihiro Kitai [1], Kayo Oomura[1], Kaeko Ogura[1]

1.Morinomiya Hospital

O-063 Motor function of symptomatic congenital cytomegalovirus infection in relation to cortical dysplasia

Kayo Ohura[1], Yukihiro Kitai [1], Kaeko Ogura [1], Satori Hirai[1], Hiroshi Arai[1]

1.Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan

O-064 The experiences of scoliosis in elderly inpatients with motor and intellectual disabilities

Yoko Matsumoto[1,2], Mariko Yagi [1,2], Mio Nishimura [0], Yoko Kawasaki[1,2],

1.NikoNiko House Medicine and Welfare Center 2.Department of Pediatrics, Kobe University

O-065 MicroRNAs as serum biomarkers in Fukuyama type congenital muscular dystrophy

Ikeda Mariko[1,2], Kazuhiro Kobayashi [2], Tomoko Lee [3], Yasuhiro Takeshima[3], Kazumoto Iijima[1], Tatsushi Toda[2]

1.Department of Pediatrics, Kobe University, Hyogo, Japan 2.Department of Neurology / Molecular Brain Science Kobe University, Hyogo, Japan 3.Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan

O-066 Evaluation of development and growth by bioelectrical impedance analysys in FCMD

Terumi Murakami[1], Tomoka Uchiyama [2], Takahiro Nakayama [3], Kumiko Ishiguro[1], Takatoshi Sato[1], Satoshi Kuru[4], Kei Ishigaki[1]

1.Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan 2.TANITA Body Weight Scientific Institute, Tokyo, Japan 3.Department of Neurology, Yokohama Rosai Hospital, Yokohama, Japan 4.Department of Neurology, Suzuka hospital, Mie, Japan

O-067 The gross motor function measure is a valid measure for Fukuyama congenital muscular dystrophy

Takatoshi Sato[1], Keiko Ishgaki [1], Michiru Adachi [2], Masaya Zushi[2], Mina Akiduki[2], Keisuke Goto[2], Kumiko Ishiguro[1], Minobu Shichiji[1], Terumi Murakami [1], Kayoko Saito [1,3], Makiko Osawa [1], Tetsuo Ikai [2], Izumi Kondo [4], Satoru Nagata [1],

1.Department of Pediatrics, School of Medicine, Tokyo Women's Medical University 2.Department of Rehabilitation 3.Institute of Medical Genetics 4.National Center for Geriatrics and Gerontology

O-068 Natural history of motor function in Fukuyama congenital muscular dystrophy

Kumiko Ishiguro[1], Takatoshi Sato [1], Terumi Murakami [1], Kayoko Saito[2], Makiko Osawa[1], Satoru Nagata[1], Keiko Ishigaki[1]

1.Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan 2.Institute of Medical Genetics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan

O-069 The effect of oral steroid therapy for Fukuyama type congenital muscular dystrophy

Miyuki Toyono[1], Yukio Sawaishi [1], Tamami Yano [2], Hiroki Kubota[2], Keiko Ishigaki[3]

1.Akita Prefectural Rehabilitation Center on Development and Disability, Akita, Japan 2.Akita University Graduate School of Medicine, Department of Pediatrics, Akita, Japan 3.Tokyo Women's Medical University Graduate Schoool of Medicine, Department of Pediatrics, Tokyo, Japan

O-070 Perinatal complications in the patients with congenital myotonic dystrophy

Minobu Shichiji[1], Keiko Ishigaki [1], Kumiko Ishiguro [1], Takatoshi Sato[1], Ayako Muto[2], Terumi Murakami[1], Makiko Osawa[1], Satoru Nagata[1]

1.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan 2.Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan

O-071 A case of myosclerosis caused by compound heterozygous mutations in COL6A2

Ayako Hattori[1], Daisuke Ieda [1], Ikumi Hori [1], Yutaka Negishi[1], Sayaka Kato[1], Naoki Ando[1], Takahiro Yonekawa[2], Ichizo Nishino[2], Shinji Saitoh [1]

1.Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan 2.Department of Neuromuscular Research, National institute of Neuroscience,NCNP, Tokyo, Japan

O-072 Clinical diversity of collagen VI-related myopathy

Daisuke Ieda[1], Ayako Hattori [1], Ikumi Hori [1], Yutaka Negishi[1], Sayaka Kato[1], Naoki Ando[1], Takahiro Yonekawa[2], Ichizo Nishino[2], Shinji Saitoh [1]

1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan 2.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

O-073 Adductor longus and semimembranosus muscles are preserved in spinal muscular atrophy

Michio Inoue[1], Akihiko Ishiyama [1], Hirohumi Komaki [1], Eri Takeshita[1], Yuko Motohashi[1], Takashi Saitou[1], Eiji Nakagawa[1], Kenji Sugai[1], Narihiro Minami [2], Yu-Ichi Goto [3], Masayuki Sasaki [1]

1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 3.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

O-074 The present state of Spinal muscular atrophy (SMA) type 1 in Kagoshima prefecture

Kenji Watanabe[1], Yusei Baba [1], Hisashi Tsuru [1], Toshimi Inoue[1], Thihiro Yonee[2], Shinsuke Maruyama[3], Mayumi Matsuhuji[2], Kazuyuki Yotsumata[1], Nozomi Sano [3], Kazumi Tanaka [4]

1.Kagoshima City Hospital 2.Minami Kyushu National Hospital 3.Pediatrics, University of Kagoshima 4.Saiseikai Sendai Hospital

O-075 The effect of BCV for acute respiratory failure in the patients with neuromuscular diseases

Yoko Yoshikawa[1], Yasushi Ito [1], Hidetsugu Nakatsukasa [1], Aiko Nishikawa[1], Shino Shimada[1], Takayuki Kishi[1], Mutsuki Shiota[1], Akiko Takeshita[1], Katsuji Karaki [1], Keiko Ishigaki [1], Kyoko Hirasawa [1], Shintaro Muratani [2], Tohru Kotani [2], Satoru Nagata [1]

1.The Department of Pediatrics, Tokyo Womens Medical University, Tokyo, Japan 2.The department of Anesthesiology, Central intensive care unit, Tokyo Womens Medical University, Tokyo, Japan

O-076 A case of JDM complicated dayphagia and dysarthria

Takemasa Nomura[1], Ayumi Yoshimura [1], Tetuya Kibe [1], Kenzi Yokochi[1]

1.SeireiMikataharaJeneralHospital

O-077 Identification of electroencephalogram-epileptiform activity in a patient with KCNH2 mutation

Uchiyama Shin=Ichi[1], Kazuhito Sekiguchi [1], Kazuo Okanari [1], Tomoki Maeda[1], Seigo Korematsu[1]

1.Pediatrics and Child neurology, Oita University Faculty of Medicine, Oita, Japan

O-078 Missence mutaion in KCNT1 with early onset epileptic encephalopathy(EOEE)

Yuji Fujii[1], Yoshiyuki Kobayashi [1], Nobutune Ishikawa [1], Mitsuhiro Kato[2], Mitsuko Nakashima[3], Naomichi Matsumoto[3]

1.Department of Pediatrics, Hiroshima University, Hiroshima, Japan 2.Department of Pediatrics, Yamagata University, Faculty of Medicine, Yamagata, Japan 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine,Yokohama, Japan

O-079 two cases of mild Dravet syndrome with truncating mutation of SCN1A.

Toru Takaori[1], Rie Nakai [1], Akira Kumakura [1], Atushi Ishi[2], Shiniti Hirose[2]

1.Kitano Hospital, The Tazuke Kofukai Medical Research Institute 2.Fukuoka University Pediatrics, Fukuoka, Japan

O-080 The cases of epilepsy with SCN1A microdeletions identified by MLPA

Hirosato Nasu[1], Hiroko Ikeda [1], Atsushi Ishii [2], Taikann Oboshi[1], Kazunori Tsukamoto[1], Shinnsaku Yoshitomi[1], Hirokazu Watanabe[1], Tokito Yamaguchi[1], Hideyuki Otani [1], Shinnichi Hirosse [2], Katsumi Imai [1], Hideo Shigematsu [1], Yukitoshi Takahashi [1], Yushi Inoue [1]

1.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan 2.Department of Pediatrics, Fukuoka University, Fukuoka, Japan

O-081 Two cases of epileptic encephalopathy caused by recurrent EEF1A2 mutations.

Takehiko Inui[1], Satoru Kobayashi [2], Ryo Sato [0], Wakaba Endo[1], Yukimune Ohkubo[1], Yuka Ashikari[2], Hiroshi Oba[4], Hirotomo Saitsu[5], Naomichi Matsumoto [5], Kazuhiro Haginoya [1]

1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan 2.Department of Pediatrics, Nagoya City West Medical Center, Nagoya, Japan 3.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan 4.Department of Radiology, Teikyo University Hospital, Tokyo, Japan 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-082 De novo SCN8A Mutation in a boy with Malignant Migrating Partial Seizures in Infancy

Masashi Ogasawara[1], Toshihide Watanabe [1], Rumiko Takayama [1], Hirotomo Saitsu[2], Naomichi Matsumoto[2]

1.Pediatrics, Hokkaido Medical Center for Child Health and Rehabilitation,Sapporo,Japan 2.Yokohama City University,Yokohama,Japan

O-083 Functional articulation disorder in autism spectrum.

Kuniaki Fukuda[1], Emiko Fujii [2], Toshiaki Hashimoto [3]

1.The Department of Neuropediatrics , Asada General Hospital, Marugame, Japan 2.The Department of Pediatrics, Takamatsu red cross hospital, Takamatsu, Japan 3.The Department of Pediatrics ,Japanese Red Cross Tokushima Hinomine Rehabilitation Center for People with Disabilities, Komatsusima, Japan

O-084 TIMELESS mutation in a patient with autism spectrum disorder (ASD) and circadian rhythm disorder.

Ayumi Matsumoto[1], Yutaka Inaguma [3], Yuko Nakano [1], Zhi-Liang Yang[1], Kazuhiro Nakayama[2], Saori Sakamoto[1], F.Eriko Jimbo[1], Sadahiko Iwamoto[2], Koh-Ichi Nagata [3], Takanori Yamagata [1]

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Division of Human Genetics, Center for Molecular Medicine, Jichi Medical University 3.Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan

O-085 The behavioral characteristics of developmental disorder evaluated by checklist for ASD

Kyouko Hirasawa[1], Akiko Takeshita [1], Youko Yoshikawa [1], Shigeto Matsumaru[1], Satoru Nagata[1]

1. Dept of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

O-086 Clinical Study of Obsessive-compulsive Symptoms of ASD Patients with ASD Person Concerned

Junichi Furusho[1], Yusuke Isozaki [2], Hisato Matsunaga [3]

1.College of Education, Psychology and Human Studies, Department of Education, Aoyamagakuin University,Tokyo, Japan 2.Graduate School of Education, Psychology and Human Studies, Aoyamagakuin University,Tokyo, Japan 3.Department of Neuropsychiatry, Hyogo College of Medicine, Nishinomiya, Japan

O-087 Temporal change of intellectual ability in autistic spectrum disorder children

Hideyo Kinugasa[1], Seiko Shinozaki [2], Keisuke Yonedu [2], Emiko Nakayama[2],

1.Department of Pediatrics, Tsukuba Gakuen Hospital, Ibaraki, Japan 2.department of rehabilitation, Tsukuba Gakuen Hospital, Ibaraki, Japan

O-088 The role of language function to solve a theory of mind task

Akihiro Kawasaki[1], Yuuko Ogino [2], Makoto Nakanishi [0], Tomohito Okumura[4], Eiji Wakamiya

1.University of Toyama Faculity of Human Develipment,Toyama,Japan 2.YRS,Yokohama,Japan 3.Kansai University, Graduate School of Psychology, Suita, Japan 4.Osaka Medical College, LD Center, Takatsuki, Japan 5.Aino University, Faculty of Nursing and Rehabilitation, Ibaraki, Japan

O-089 Group psychotherapy using portable game for child and adolescent

Iwadare Yoshitaka[1], Kyota Watanabe [1]

1.Kohnodai Hospital National Center for Global Health and Medicine

O-090 Evaluation of Social Interaction(ESI) for children with developmental disorders

Yuko Hayashi[1,2], Hiromi Yushikawa [2]

1.Department of Pediatorics, Medical Center,Faculty Helth and Welfare ,Prefectual University of Hiroshima, Mihara, Japan 2.Department of Occupation Therapy, Faculty Helth and Welfare ,Prefectual University of Hiroshima, Mihara, Japan

O-091 Clinical effects of ADHD therapy for both parents and their children with ADHD accompanied with ASD

Naomitsu Suzuki[1]

1. Tsukuba Clinic for Mental Sick Children & Adolescents

O-092 Musictherapy for Attention-Deficit Hyperactivity Disorder

Yukiko Ichida[2], Emiko Shiba [1], Shinichi Niijima [1]

1.Department of Pediatrics Juntendo University Nerima Hospital 2.Department of Pediatrics Juntendo University School of Medicine , Tokyo, JAPAN

O-093 A follow-up study of school children with deevelopmental disorders in habilitation center

Masayuki Imaeda[1,2], Taishi Miyaji [2], Tomoko Asai [2], Yoshifumi Mizuno[2], Kei Ohashi[2], Yoshimi Funahashi[1], Shinji Saitou[2]

1.Treatment and education center,Northern Region,Nagoya,aichi,japan 2.Deparatment of Pediatrics,Nagoya City University Graduate School of Medicine

O-094 EEG characteristics predict subsequent epilepsy in children with first unprovoked seizure

Hideaki Kanemura[1], Fumikazu Sano [1], Sonoko Mizorogi [1], Tetsuo Ohyama[1], Kanji Sugita[1], Masao Aihara[2]

1.Department of Pediatrics, Faculty of Medicine, University of Yamanahi, Yamanashi, Japan 2.Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Yamanashi, Japan

O-095 Clinical characteristics in the children presenting with transient loss of consciousness

Fumikazu Sano[1], Kei Tamaru [1], Hideaki Kanemura [1], Kanji Sugita[1], Masao Aihara[2]

1.Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan 2.Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Yamanashi, Japan

O-096 Analysis for psychogenic non-epileptic seizures by using video-EEG monitoring

Chizuru Nishizato[1], Takaaki Sawada [1], Tomoyuki Shimadu [1], Hiroe Ueno[1]

1.Department of Pediatrics, Kumamoto Saishunso National Hospital, Kumamoto, Japan

O-097 Transient reduced diffusion in the cortex in children with prolonged febrile seizures

Takeshi Suzuki[1], Tetsuo Kubota [1], Takeshi Tsuji [2], Ryousuke Suzui[2], Tatsuya Fukasawa[1], Naoki Ando[3], Toru Kato[2], Fumio Hayakawa[2], Shinji Saito [3], Akihisa Okumura [4], Jun Natsume [5]

1.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan 2.Department of Pediatrics, Okazaki Municipal Hospital, Okazaki, Japan 3.Department of Pediatrics, Nagoya City University, School of medicine 4.Department of Pediatrics, Aichi Medical University 5.Department of Pediatrics, Nagoya University School of medicine

O-098 EEG-fMRI analysis in structual/metabolic epilepsy with focal seizures

Yuji Ito[1], Satoshi Maezawa [2], Epifanio Bagarinao [2], Yoko Sakaguchi[1], Chikako Ogawa[1], Tomoya Takeuchi[1], Setsuri Yokoi[1], Yoshiteru Azuma[1], Hiroyuki Kidokoro [1], Kiyokuni Miura [1], Tamiko Negoro [1], Kazuyoshi Watanabe [1], Jun Natsume [1]

1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan 2.Brain & Mind Research Center, University of Nagoya, Aichi, Japan

O-099 Transient reduced diffusion in the hippocampus after prolonged febrlie seizure

Ryosuke Suzui[1], Takeshi Tsuji [1], Toru Kato [1], Takeshi Suzuki[2], Tatsuya Fukasawa[2], Tetsuo Kubota[2], Fumio Hayakawa[1], Akihisa Okumura[3], Shinji Saito [4], Jun Natsume [5]

1.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan 2.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan 3.Department of Pediatrics, Aichi Medical University, Nagakute, Japan 4.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan 5.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

O-100 West syndrome: etiology, clinical aspect, seizures and mental development in 50 patients.

Michiko Torio[1], Yasunari Sakai [1], Masafumi Sanefuji [2], Momoko Sasazuki[1], Yoshito Ishizaki[1], Hiroyuki Torisu[3], Toshiro Hara[1]

1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University. 2.Research center for Enviroment and Developmental medical sciences 3.Department of pediatrics, Fukuoka dental college

O-101 A study of outcome in patients with Infantile spasms

Yumi Fujihara[1], Shigehiro Nagai [1], Shizuka Matsuoka [1], Tomoko Kirino[1], Shoichi Endo[1]

1.Department of Childneurology, Shikoku Medical Center for Children and Adults,Zentsuji,Kagawa,Japan

O-102 Serum cytokine responses to ACTH in patients with West syndrome

Natsumi Morishira[1], Gaku Yamanaka [1], Mika Takeshita [1], Shinichiro Morichi[1], Yu Ishida[1], Kazunori Suzuki[1], Shingo Oana[1], Hisashi Kawashima[1]

1.The Department of pediatrics,Tokyo medical University,Tokyo,Japan

O-103 CMV reactivation provoked by ACTH therapy in the patients with congenital CMV infection

Yuji Kumagai[1,3], Reiko Koichihara [3], Kenjiro Kikuchi [1], Manabu Tanaka[3], Yuko Hirata[1], Atsuko Oba[1], Motoyuki Minamitani[1], Shin-Ichiro Hamano[0]

1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan 2.Division of Pediatrics, Tokatsu Hospital, Chiba, Japan 3.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

O-104 Efficacy and safety of high-dose intravenous immunoglobulin therapy in West syndrome

R M[1,2], Shin-Ichiro Hamano [2], Yuko Hirata [0], Yuji Kumagai[2], Atsuko Oba[2], Kenjiro Kikuchi[2], Manabu Tanaka[3], Motoyuki Minamitani[2]

1.Division of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan 2.JAPAN 3.JAPAN

O-105 Efficacy of new anti-AEDs (TPM, LTG, LEV) in epilepsy patients with epileptic spasms

Motoyuki Minamitani[1,3], Schin-Ichiro Hamano [1,2,3], Manabu Tanaka [2], Kenjiro Kikuchi[1,3], Atsuko Oba[0], Yuko Hirata[0], Yuji Kumagai[1], Reiko Koichihara[2], Hiroyuki Ida [3]

1.Saitama Chilren Medical Center, Div. of Neurology, Saitama, Japan 2.Saitama Children Medical Center, Saitama, Japan 3.Tokyo Jikei Univercity of Medicine, Tokyo, Japan

O-106 Effect of sleep behaviors of twins babies on those of their mothers'

Chie Kondo[1], Satoshi Takada [1]

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

O-107 A clinical study of childhood anorexia nervosa patients with Refeeding edema

Ryoko Otani[1], Akari Arakari [2], Takeshi Inoue [2], Atsuko Ayabe[2], Keiichi Shimamura[2], Ryoichi Sakuta[1]

1.Dokkyo Medical University Koshigaya Hospital Cernter for Child Development and Psychosomatic Medicine,Saitama,Japan 2.Dokkyo Medical University Koshigaya Hospital Pediatrics,Saitama,Japan

O-108 Chronological changes of tics in Tourette syndrome (TS)-importance of age of initial intervention

Kazue Kimura[1], Yuri Nagao [1], Kei Hachmori [1], Yoshiko Nomura[1], Masaya Segawa[1]

1.Segawa Neurological Clinic for Children, Tokyo, Japan

O-109 The effect of drug therapy on AD/HD with Oppositional Defiant Disorder

Kazunori Motoyama[1], Akiko Hujii [1], Mutsuko Miyazaki [1], Tamao Nagaoka[1], Mitsuhiro Matsuo[1]

1. Nagasaki Prefectural Children's Medical Welfare Center for Pediatrics, Nagasaki,Japan

O-110 A case of autism with drug-induced dropped head syndrome treated successfully with low dose L-DOPA.

Keiho Owada[1,2], Shuhei Ide [3], Akiko Shibata [3]

1.Department of Child Psychiatry, Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled, Jyonan Branch Office, Higashiyukigaya Ohta-ku, Tokyo, Japan 2.Department of Child Psychiatry, The University of Tokyo Hospital, Hongo Bunkyo-ku, Tokyo, Japan 3.Department of Pediatric Neurology, Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled, Jyonan Branch Office, Higashiyukigaya Ohta-ku, Tokyo, Japan

O-111 The current status and issues of transition in pediatric patients with neurological disorders

Kenjiro Kikuchi[1,2], Shin-Ichiro Hamano [1,3], Motoyuki Minamitani [1], Manbu Tanaka[3], Reiko Koichihara[3]

1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan 2.Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan 3.Department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan

O-112 Assessment of clinical course in 10 children with brain death in our hospital

Yusuke Goto[1], Tomoko Tando [1], Tetsuo Ooyama [0], Fumikazu Sano[1,3], Sayaka Kamei[1], Yoshimi Kaga[2], Sayaka Ishi[0], Kosuke Nakamura[2], Yuuko Kamiya [2], Kanji Sugita [3], Masao Aihara [3]

1.Pediatrics, Yamanashi Prefectural Central Hospital, Yamanashi, Japan 2.National Hospital Organization, Kofu National Hospital, Yamanashi, Japan 3.The Department of Pediatrics, University of Yamanashi, Yamanashi, Japan

O-113 Training program of medicine for children and people with severe motor and intellctual disabilities

Soichiro Tanaka[1], Shigeo Kure [1], Kazuhiro Haginoya [2], Takehiko Inui[2], Yukimune Okubo[2]

1.The Department of Pediatrics, University of Tohoku, Sendai, Japan 2.The Department of Pediatrics, Takuto Rihabitation Center of children, Sendai, Japan

O-114 The report of Seminar "Sedation Essence in Children Under Regulated Environment course"

Shuji Kuga[1], Nobuaki Inoue [1,3], Isao Kusakaws [0], Hirokazu Sakai[1,5]

1.Japan Pediatric Society Committee on Patient Safety 2.Nishida hospital, Oita,Japan 3.Tokyo Metropolitan Children's Medical Center,Tokyo,Japan 4.St.Luke's International Hospital,Tokyo,Japan 5.National Center for Child Health and Development,Tokyo,Japan

O-115 Developmental Consultation and Support at Kids Support Center, Sakai

Mariko Nakanishi[1,2], Yoshiko Iwatani [2], Ikuko Mohri [0], Masako Taniike[1,2]

1.United Graduate School of Child Development, Osaka University, Osaka, Japan 2.Department of Pediatrics, Osaka University Hospital, Osaka, Japan

O-116 Emotional autonomic responses during Wisconsin Card Sorting Test in Children with ADHD

Tetsuo Ohyama[1], Yusuke Goto [1], Yoshimi Kaga [1], Kakurou Aoyagi[1], Sayaka Ishii[1], Hideaki Kanemura[1], Kanji Sugita[1], Masao Aihara[2]

1.Pediatrics, University of Yamanashi, Yamanashi, Japan 2.Graduate School of medicine and engineering research section, University of yamanashi, Yamanashi, Japan

O-117 Nationwide survey and establishing clinical database of Rett syndrome

Sayuri Sukigara[1], Sae Hanai [1], Toyojiro Matsuishi [2], Shin Nabatame[3], Satoru Takahashi[4], Tetsuji Tanioka[5], Toshiharu Ikenaga[6], Senri Hirayama[7], Hisateru Tachimori [8], Masayuki Itoh [1]

1.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry 2.Kurume University 3.Osaka University 4.Asahikawa Medical University 5.Japan Rett syndrome fundation 6.Japan Rett syndrome Association 7.Sakuranbo parents' association of Rett syndrome 8.National Institute of Mental Health, National Center of Neurology and Psychiatry

O-118 Evaluation of EEG findings in pre-school children with developmental disorders

Kuniaki Iyoda[1], Osamu Mitani [2]

1.Fukuyama Support Center of Development and Care for Children, Fukuyama, Hiroshima, Japan 2.Department of Pediatrics, Fukuyama City Hospital, Fukuyama, Hiroshima, Japan

O-119 Support for Parents of Children with Developmental Disabilities Based on 401 Mothers' Experiences

Tomoka Kobayashi[1,2], Kouta Suzuki [1], Makiko Kaga [0], Masumi Inagaki[1], Yushiro Yamashita[4], Michio Hiratani[5], Takashi Hayashi[6], Eiji Nakagawa[7], Kyouta Watanbe [8]

1.Department of Developmental Disorders, National Center of Neurology and Psychiatry, Kodaira, Japan 2.Department of Pediatrics, NTT Medical Center Tokyo, Tokyo, Japan 3.Tobu Ryoiku Center, Tokyo, Japan 4.Department of Pediatrics, Kurume University, Kurume, Japan 5.Fukui, Japan 6.Ube, Japan 7.Department of Child Neurology, National Center of Neurology and Psychiatry, National Center Hospital, Kodaira, Japan 8.Department of Child Psychiatry, National Center for Global Health and Medicine, Kohnodai Hospital, Ichikawa, Japan

O-120 The study of course to the first visit of school age children with pervasive developmental disorder

Taishi Miyachi[1], Hiroko Taniai [1], Tomoko Asai [1]

1.The Department of Pediatrics Nagoya Central Care Center for Diasabled Children, Nagoya, Japan

O-121 Establishment of an electroporation and an live-imaging methods for analyses of hippocampal neurons

Koh-Ichi Nagata[1], Rika Morishita [1], Ikuko Iwamoto [1], Hidenori Ito[1]
1. Department of Molecular Neurobiology, Institute for Developental Research, Aichi Human Service Center

O-122 Study for development of lexicon-concept link by a match-mismatch method -2-

Katsuo Sugita[1], Kiyoko Sugita [2]

1.Division of Medicine, Faculty of Education, Chiba University, Chiba, Japan 2.Division of Heall Sports, Faculty of Life Design, Toyo University

O-123 Study on EEG basal activity in adolescent students with developmental disorders

Yoshiko Nomura[1], Kaoru Amemiya [1], Youko Kishimoto [1], Yuri Ozawa[1], Hiroshi Ozawa[1]

1.SHIMADA RYOIKU CENTER HACHIOUJI

O-124 Pathophysiological basis of developmental disorders associated with Scn1a mutation in rats

Iori Ohmori[1], Mamoru Ouchida [2]

1.Graduate School and Faculty of Medicine, Ethics Committee, Kyoto University, Kyoto, Japan 2.Department of Molecular Genetics, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan

O-125 Analysis of facial expression processing using near-infrared spectroscopy

Kenji Mori[1], Hiromichi Ito [2], Yoshihiro Toda [2], Masahito Miyazaki[2]

1.Department of Child Health & Nursing, Tokushima University, Tokushima, Japan 2.Department of Pediatrics, Tokushima University, Tokushima, Japan

O-126 Dose the Ghrelin improve some symptoms of Rett syndrome?

Kotaro Yuge[1], Tomoko Saikusa [1], Rumiko Hirata [1], Yuuki Nakamura[3], Naomasa Okamura[2], Munetsugu Hara[0], Takashi Ohya[1], Shinichiro Nagamitsu[1], Yushiro Yamashita[1], Masayasu Kojima [3], Masayuki Ito[4], Totojiro Matsuishi [1,2]

1.Department of Pediatrics and Child Health,Kurume University School of Medicine,Kurume,Japan 2.Cognitive and Moleculer Research Institute of Brain Deseases,Kurume University,Kurume,Japan 3.Institute of Life Science,Kurume University,Kurume,Japan 4.National Center of Neurology and Psychiatry,Tokyo,Japan

O-127 Successful treatment of rituximab in a case with recurrent autoimmune cerebellar ataxia

Hiroki Sato[1], Yu Katata [1], Sato Suzuki [1], Yuki Kubota[1], Naomi Hino-Fukuyo[1], Tomoko Kobayashi[1], Mitsugu Uematsu[1], Shigeo Kure[1]
1. Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

O-128 A case of anti VGKC-complex antibody associated disorder presenting with psychomotor regression.

Hiroe Ueno[1], Chizuru Nishizato [1], Takaaki Sawada [1], Tomoyuki Shimazu[1], Tomoyuki Mizukami[2], Takateru Ishitsu[3], Yuko Matsuda[0], Masayuki Sasaki[5], Yukitoshi Takahashi [6],

1.Department of Pediatrics, National Hospital Organization, Kumamoto Saisyunso National Hospital, Koushi, Japan 2.Department of Pediatrics, National Hospital Organization, Kumamoto Medical Center, Kumamoto,Japan 3.Kumamoto Ezuko Rehabilitation Medical Center, Kumamoto,Japan 4.Nakagawano-sato Rehabilitation Center,Saitama,Japan 5.Department of Pediatric Neurology, National Neurology and Psychiatry Research Medical Center Hospital, Tokyo,Japan 6.Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka,Japan

O-129 A case of focal encephalitis with antibodies to glutamate receptors, starting with left claudication

Yuko Yamamoto[1], Hiroko Matsushita [1], Sozo Okano [1], Yukitoshi Takahashi[2]

1.Department of pediatrics, Kyoto City Hospital, Kyoto, Japan 2.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

O-130 Three cases that psychosomatic disorder was suspected but were GluR antibody positive

Yuichi Takami[1], Eriko Inoue [1], Yukitoshi Takahashi [2]

1.Pediatrics, Himeji Red Cross Hospital, Hyogo, Japan 2.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

O-131 Anti-NMDA receptor encephalitis associated mumps, successfully treated with cyclophosphamide

Toshihiko Watanabe[1], Yuu Fujiwara [1], Hirotaka Motoi [1], Yoshihiro Watanabe[1], Saoko Takeshita[1], Yukitoshi Takahashi[2]

1.Yokohama City University Medical Center, Children's Medical Center, Kanagawa, Japan 2.Shizuoka Institute Epilepsy and Neurological Disorders

O-132 Progress of antibodies to the NMDA-type GluRs in a case of Nonherpetic acute limbic encephalitis

Kensuke Yoneda[1], Toshio Osamura [1], Satoshi Inoue [1], Hiroshi Kubo[1], Noriko Fujii[1], Tadaki Oomae[1], Yukitoshi Takahashi[2]

1.Department of Pediatrics,Japanese Red Cross Kyoto Daini Hospital 2.Shizuoka Institute of Epilepsy and Neurological Disorders

O-133 Distribution of Brain Lesions in Neonatal Herpes Simplex Encephalitis

Hiroyuki Kidokoro[1], Akihisa Okumuka [2], Takeshi Tsuji [3], Tetsuo Kubota[4], Naoki Ando[5], Yuji Ito[1], Chikako Ogawa[1], Toru Kato[1], Shinji Saitoh [5], Jun Natsume [1]

1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan 2.Department of Pediatrics, Aichi Medical University, Aichi, Japan 3.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan 4.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan 5.Department of Pediatrics, Nagoya City Medical University, Nagoya, Japan

O-134 Symptoms and MR imaging of Human herpesvirus 6 encephalitis after transplantation in children.

Kiyoshi Egawa[1], Kousaku Ootsuka [1], Masashi Narugami [1], Toru Takahashi[2], Tsuyoshi Shimamura[2], Masahiro Iguchi[1], Hideaki Shiraishi

1.Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan 2.Department of Gastroenterological Surgery, Hokkaido University Graduate School of Medicine

O-135 Central nervous system infections of human parechovirus

Etsushi Toyofuku[1], Anzu Noda [1]

1.Pediatrics, Saitama Citizens Medical Center, Saitama, Japan

O-136 Clinical analysis of 7 children with congenital cytomegalovirus infection

Yu Ishida[1], Mika Takeshita [1], Natsumi Morishita [1], Shinichiro Morichi[1], Yasuyuki Morishima[1], Shingo Oana[1], Gaku Yamanaka[1], Tasuku Miyajima[1], Hisashi Kawashima [1]

1.Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

O-137 Three cases of congenital cytomegalovirus infection diagnosed at the school-age

Hitoshi Sato[1], Miyako Wada [1], Nobuhiro Okamoto [1], Kanju Ikeno[1], Chisato Akita[1], Hiroshi Kimura[2], Tsuneyuki Nakamura[1], Yutaka Saikawa[1]

1.Department of Pediatrics, Kanazawa Medical University, Ishikawa, Japan 2.Department of Virology, Nagoya University Graduate School of Medicine, Nagoya, Japan

O-138 Examination of the effect of admitting of a child with its parent for dysphagia

Ryo Tanabe[1], Tomoko Uchida [1], Kasumi Nagasawa [1], Mituko Ishii[1]

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

O-139 Lifestyle intervention among adolescents and young adult with cerebral palsy

Kazuyo Saito[1,2,4,5], Yukie Watanabe [2], Sumiko Koike [0], Noriko Hashidume[3], Sayaka Inazawa[3], Naomi Hanzawa[4]

1.Yokohama Rehabilitation Center, Yokohama, Japan 2.Yokohama Habilitation Center for Children in Totsuka area, Yokohama, Japan 3.Yokohama Rehabilitation Center, Yokohama, Japan 4.Yokohama Habilitation Center for Children in Kounan area, Yokohama, Japan 5.Yokohama Habilitation Center for Children in Hokubu area , Yokohama, Japan

O-140 Successful coordination between botulinum toxin and surgical treatments in legs of cerebral palsy

Atsuo Nezu[1], Haruhiko Aoyama [1], Kumiko Karasawa [1], Yuri Tikumaru[1], Kaori Kaneko[1], Makiko Kurosawa[1], Yuka Masuda[1], Mitsuko Okuda[1]

1.Clinic of Child Neurology, Yokohama Residential Care and Medical Centre for Developmentally Disabled Person

O-141 Effect of Valproate and Lamotrigine for stimulus sensitive hypertonus in neurological disabled child

Tomohiro Nakayama[1], Hitomi Maeda [1], Yumi Tada [0], Tatsuo Itou[1], Junko Nakayama[1], Nobuaki Iwasaki[1]

1.Department of Pediatrics, Ibaraki Prefectural University of Health and Science, Ami, Japan 2.Department of Pediatrics, Tsukuba Gakuen Hospital, Tsukuba, Japan

O-142 A poor control case of persistent generalized muscle contraction after intrathecal baclofen therapy

Sayaka Katori[1], Rumiko Takayama [1], Yumi Takahashi [1], Toshihide Watanabe[1], Akiko Tsuzuki[1]

1.Hokkaido Medical Center for Child Health and Rehabilitation

O-143 The efficacy of thong sandals type outfit for walking disturbance due to lower spinal cord dysplasia

Shigeru Hanaoka[1]

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

O-144 Electric stimulation therapy of the peripheral nerves in idiopathic acute transverse myelitis

Yukio Sawaishi[1], Miyuki Toyono [1], Rena Oguma [1], Yasuhiro Watanabe[1]

1.Akita Prefectural Center on Development and Disability

O-145 Genetic heterogeneity of hypomyelinating leukodystrophies

Mitsugu Uematsu[1], Natsuko Ichinoi [1], Ryo Sato [1], Yurika Uematsu[1], Atsuo Kikuchi[1], Naomi Fukuyo[1], Kazuhiro Haginoya[2], Shigeo Kure[1]

1.Department of Pediatrics, Tohoku University School of Medicine 2.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children

O-146 Microarray analysis of 50 patients reveals the critical regions responsible for del 1p36 syndrome

Shino Shimada[1], Keiko Shimojima [2], Kyoko Hirasawa [1], Satoru Nagata[1], Toshiyuki Yamamoto[2]

1.Tokyo Woman's Medical University Hospital 2.Tokyo Women's Medical University Institute for Integrated Medical Sciences

O-147 Clinical features of perisylvian syndrome in Japan

Hiroyuki Torisu[1,2], Kaeko Ogura [3], Hiroshi Arai [3], Hideaki Shiraishi[4], Jun Tohyama[5], Takashi Kawamura[6], Toshiro Hara[1], Mitsuhiro Kato[7]

1.The Department of Pediatrics, Graduate School of Medicine, Kyushu University 2.Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan 3.Department of Peditric Neurology, Morinomiya Hospital, Osaka, Japan 4.Department of Pediatrics, Graduate School of Medicine, Hokkaido University, Sapporo, Japan 5.Department of Child Neurology,Nishi-Niigata Chuo National Hospital, Niigata, Japan 6.Kyoto University Health Service, Kyoto, Japan 7.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

O-148 Efficient method for the diagnosis of pediatric neurological disorders by next generation sequencing

Chihiro Hatano[1], Takayuki Yokoi [1], Keiko Watanabe [2], Yu Tsuyusaki[2], Hiroko Shimbo[3], Yumi Enomoto[3], Takuya Naruto[4], Ikuko Ohashi[1], Yukiko Kuroda [1], Tomohide Goto [2], Kenji Kurosawa [1,3]

1.Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan 2.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 3.Clinical Research Institute, Kanagawa Children's Medical Center, Yokohama, Japan 4.Institute of Health Biosciences, The University of Tokushima Graduate School

O-149 Prenatal diagnosis in Tottori University

Kaori Adachi[1], Eiji Nanba [1,2,3]

1.Division of Functional Genomics, Research Center for Bioscience and Technology, Tottori University, Yonago, Japan 2.Division of Clinical Genetics, Tottori University Hospital, Yonago, Japan 3.Center for Promoting Next-Generation Highly Advanced Medicine Tottori University Hospital, Yonago, Japan

O-150 Medical research using iPSC of developmental disorder due to genomic rearrangements

Toshiyuki Yamamoto[1], Keiko Shimojima [1,2], Hiroyuki Kaneko [1], Nobuhiko Okamoto[3], Megumu Saito[4], Yasuji Kitabatake[5], Koh-Ichi Nagata[6], Toshihiko Yada[7], Hitoshi Osaka [8], Takanori Yamagata [8]

1.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan 2.PRESTO, JST, Kawaguchi, Japan 3.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan 4.Center for iPS Cell Research and Application (CiRA), Kyoto University, Kyoto, Japan 5.Department of Pediatrics, Osaka University, Suita, Japan 6.Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan 7.Division of Integrative Physiology, Department of Physiology, Jichi Medical University, Shimotsuke, Japan 8.Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan

O-151 A two-year-boy having CBL mutation with cortical dysplasia and macrocephaly

Shino Taniguchi[1], Toshiyuki Seto [1], Kanako Yamashita [1], Takao Hoshina[1], Taeka Hattori[1], Satoru Sakuma[1], Haruo Shintaku[1], Toshifumi Suzuki[0], Yoshinori Tsurusaki [2], Naomichi Matsumoto [2]

1.Depertment of Pediatrics,Osaka city university graduate school of medicine,Osaka,Japan 2.Depertment of Human Genetics,Yokohama city university graduate school of medicine,Yokohama,Japan 3.Department of Obstetrics and Gynecology, Juntendo University,Tokyo,Japan

O-152 A family complicated lower limb muscle atrophy and brain malformation with novel DYNC1H1 mutation

Tomoko Kobayashi[1,2], Kazuhiro Haginoya [2,3], Mitsugu Uematsu [2], Tojo Nakayama[2], Naomi Fukuyo[2], Yuuko Sato[2], Yuki Kubota[2], Satoko Miyatake[4], Hirotomo Saitsu [4], Naomichi Matsumoto [4], Shigeo Kure [1,2]

1.Division of Genomic Medicine Support and Genetic Counseling, Department of Education and Training, Tohoku Medical Megabank Organization, Tohoku University, Sendai, Japan 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan 3.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan 4.Department of Human Genetics, Graduate School of Medicine, Yokohama City University, Yokohama, Japan

O-153 Brothers of Cockayne syndrome which led to a diagnosis from short stature and mental retardation

Yumeko Matsuda[1], Masahiro Ishii [1], Masayuki Shimono [1], Tomofumi Fukuda[1], Ayako Senju[1], Shiho Takano[1], Naoki Shiota[2], Koichi Kusuhara[1]

1.The Department of Pediatrics, University of Occupational Enviromental Health, Fukuoka, Japan 2.UBE Industries, LTD. Department of Health Care and Support Center, Environment

O-154 Regression of Social and Communication Skills in a 14-year-old boy with Down syndrome

Riyo Ueda[1], Yoshiaki Saito [1], Akiko Tamasaki [1], Koyo Ohno[1], Tatsuro Kondo[2], Katsutoshi Yokoyama[3], Takahiro Satake[3], Yukitoshi Takahashi[4], Yoshihiro Maegaki [1]

1.Neuropediatrics, Faculty of Medicine, Tottori University, Tottori, Japan 2.Division of Developmental Disabilities,The Misakaenosono Mutsumi Developmental, Medical and Welfare Center, Nagasaki, Japan 3.Psychiatry, Faculty of Medicine, Tottori University, Tottori, Japan 4.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

O-155 Hearing impairment in a girl with interstitial deletion of 2q24.1q24.3

Hiroaki Ono[1], Kenji Kurosawa [2]

1.The Department of Pediatrics, Hirosihma Prefectural Hospital, Hiroshima, Japan 2.Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan

O-156 Two cases of Coffin-Lowry syndrome associated with cervical myelopathy

Shunsuke Ogaya[1], Naoko Kurahashi [1], Ayako Umemura [1], Keitaro Yamada[1], Koichi Maruyama[1]

1.Department of Pediatric Neurology, Aichi Prefectural Colony Central Hospital

O-157 Clinical features of Childhood Myasthena Gravis and Congenital Myasthenic syndrome

Yuri Nagao[1], Yoshiko Nomura [1], Kazue Kimura [1], Kei Hachimori[1], Masaya Segawa[1]

1. Segawa Neurological Clinic for Children, Tokyo, Japan

O-158 Efficacy of tacrolimus in 4 myasthenia gravis children

Noboru Yoshida[1], Tomoyuki Nakazawa [2], Mitsuru Ikeno [1], Shinpei Abe[1], Shinichi Niijima[3], Toshiaki Shimizu[1]

1.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan 2.Department of Pediatrics, Juntendo University Urayasu Hospital, Chiba, Japan 3.Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan

O-159 Effectiveness of intravenous immunoglobulin therapy in myasthenia gravis

Atsuko Oba[1], Shin-Ichiro Hamano [1,2], Yuko Hirata [1], Yuji Kumagai[1], Kenjiro Kikuchi[1], Manabu Tanaka[2], Motoyuki Minamitani[1], Reiko Koichihara[2]

1.Division of Neurology, Saitama Children's Medical Center 2.Department for Child Health and Human Development, Saitama Children's Medical Center

O-160 Prompt analgesic effects of prednisolone on radicular pain in a patient with Guillain-Barre syndrome

Madoka Kajimoto[1], Michiaki Koga [2], Hiroko Narumi [1], Hirofumi Inoue[1], Takeshi Matsushige[1], Shouichi Ohga[1]

1.Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Ube, Japan 2.Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Ube, Japan

O-161 Bilateral striatal necrosis and Guillain-Barré syndrome associated with Influenza virus infection

Kei Iwata[1], Toshihiko Koji [1], Eiko Sato [1], Maho Umehara[1], Mari Okada[1], Keiko Onda[1], Masako Imai[1], Natsuko Suzuki[1], Masuhiro Shimoda [1], Akihiro Oshiba [1]
1.Department of Pediatrics, Mushashino Red Cross Hospital

O-162 Efficacy of mycophenolate mofetil against child-onset CIDP

Keiko Yanagihara[1], Hiromi Toshikawa [1], Yuuchi Kimizu [1], Sadami Kimura[1], Tae Ikeda[1], Yukiko Mogami[1], Yasuhiro Suzuki[1]
1.Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health

O-163 A novel PRPS1 mutation in a family with Arts syndrome

Koichi Maruyama[1], Shunsuke Oogaya [1], Naoko Kurahashi [1], Ayako Umemura[1], Keitaro Yamada[1], Akihiro Hashiguti[2], Hiroshi Takashima[2]
1.Department of Pediatric Neurology, Central Hospital, Aichi Prefectural Colony, Kasugai, Japan 2.Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan

O-164 A girl of giant axonal neuropathy caused by a compound heterozygous mutation in the GAN

Takahito Inoue[1,2], Fusako Sasaki [2], Yoko Kitano [2], Hitomi Hayashi[2], Noriko Nakamura[2], Kazuko Yoshimura[1], Akihiro Hashiguchi[3], Hiroshi Takashima[3], Sawa Yasumoto [4], Shinichi Hirose [2], Atsushi Ogawa [2]
1.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan 2.Department of Pediatrics, Fukuoka University Chikushi Hospital, Chikushino, Japan 3.Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan 4.Center of Medical Education, School of Medicine, Fukuoka University, Fukuoka, Japan

O-165 A case of HMSN associated with hip dysplasia

Yoshiki Oitani[1], Keiko Suzuki [1], Haruka Tada [1], Asako Arai[1], Satoru Ueda[1], Ryouzi Umetu[1], Kayoko Saito[2], Shigetaka Sugihara[1]
1.Department of Pediatrics, Tokyo Women's Medical University Medical Center East, Tokyo, Japan 2.Institute of Medical Genetics,Tokyo Women's Medical University , Tokyo, Japan

O-166 A case of left oculomotor nerve paralysis with elevated anti-galactocerebroside antibody in serum

Tsuyoshi Matsuoka[1], Hayato Fukuzato [1], Masato Hiyane [1], Masaharu Ohfu[1]
1.Division of Child Neurology,Okinawa Prefectural Nanbu Medical Center and Children 's Medical Center

O-167 A case of facial diplegia with elevated anti-GM2 IgM antibody in serum

Hayato Fukuzato[1], Tsuyoshi Matsuoka [1], Masato Hiyane [1], Masaharu Ohfu[1]
1.Division of Child Neurology,Okinawa Prefectural Nanbu Medical Center and Children 's Medical Center

O-168 Quantitative analysis of surface electromyogram for pediatric neuromuscular disorders

Akihiko Ishiyama[1], Mana Higashihara [2], Masahiro Sonoo [3], Yu Nagashima[4], Haruo Uesugi[5], Madoka Mori[6], Miho Murata[6], Shigeo Murayama[2], Hirofumi Komaki [1], Masayuki Sasaki [1]
1.The department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.The department of Neurology, Tokyor Metropolitan Geriatric Hospital, Tokyo, Japan 3.The department of Neurology, Teikyo University, Tokyo, Japan 4.The department of Neurology, Tokyo University, Tokyo, Japan 5.The department of Neurology, Sapporo Azabu Neurosurgical Hospital, Sapporo, Hokkaido 6.The department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

O-169 A female infant with beta-propeller protein-associated neurodegeneration (BPAN)

Kyoko Takano[1,2], Naoko Shiba [3], Mitsuo Motobayashi [3], Yuji Inaba[3], Yoshimitsu Fukushima
1.Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan 2.Division of Clinical and Molecular Genetics, Shinshu University Hospital, Matsumoto, Japan 3.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan

O-170 Susceptibility-weighted imaging can detect early brain lesion of BPAN: case reports of two siblings

Yu Tsuyusaki[1], Kyoko Takano [2], Mutsumi Sato [1], Keiko Watanabe[1], Kazushi Ichikawa[1], Mizue Iai[1], Sumimasa Yamashita[1], Tomohide Goto[1], Noriko Aida [3], Hitoshi Osaka [4], Mitsuko Nakashima [5], Hirotomo Saitsu [5], Naomichi Matsumoto [5]
1.The Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 2.Department of Medical Genetics, Shinshu University School of Medicine Matsumoto, Japan 3.Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan 4.Department of Human Genetics, Graduate Department of Pediatrics,Jichi Medical School, Shimotsuke, Japan 5.School of Medicine,Yokohama City University, Yokohama, Japan

O-171 An adult case of beta-propeller protein-associated neurodegeneration with L-dopa-induced dyskinesia.

Itaru Hayakawa[1,2], Satoko Kumada [1], Emi Yoshida [0], Shunpei Uchino[1], Atsushi Satou[1], Ikuko Shirai[1], Yasuo Hachiya[1], Eiji Kurihara[1], Yasuhiro Nakata [4]

1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan 2.Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan 3.Department of Pediatrics, Saint Joseph Medical and Welfare Center, Kyoto, Japan 4.Department of Neuroradiology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

O-172 Seeking drugs for Pelizaeus-Merzbacher disease using drug repositioning approach

Ken Inoue[1], Priyanthi Mangalii [1], Ayako Nishizawa [1], Heng Li[1], Yurika Numata[1], Shoko Nakamura[1], Toshifumi Morimura[1], Hideyuki Saya[2], Yu-Ichi Goto [1]

1.Dept. Mental Retardation & Birth Defect Research, National Institute of Neuroscience, NCNP, Tokyo, Japan 2.Institute of Advanced Medical Research, Keio Univ.

O-173 Decreased tonic inhibition in the cerebellum causes ataxia in a model mice of Angelman Syndrome.

Kiyoshi Egawa[1], Shinji Saitoh [2], Hideaki Shiraishi [1], Atsuo Fukuda[3]

1.Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan 2.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences 3.Department of Neurophysiology, Hamamatsu University School of Medicine.

O-174 Molecular and phenotype analysis of transgenic mice of Angelman syndrome gene, Ube3a

Tatsuya Kishino[1], Shinji Saitoh [2]

1.Division of Functional Genomics, Center for Frontier Science, Nagasaki University, Nagasaki, Japan 2.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

O-175 A specific mutation in MECP2 gene causes Angelman syndrome-like phenotype.

Yuh Kuramochi[1], Toshiki Takenouchi [1,2], Asayo Ishizaki [3], Kenjiro Kosaki[2], Takao Takahashi[1]

1.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan 3.Oji Clinic, Division of Medicine, The Japanese Association on Intellectual and Developmental Disorders, Tokyo, Japan

O-176 A de novo TRIM8 mutation and its genetic modifier in a boy with infantile seizures

Yasunari Sakai[1], Satoshi Akamine [1], Masafumi Sanefuji [1], Michiko Torio[1], Yoshito Ishizaki[1], Hirotomo Saitsu[2], Hiroyuki Torisu[3], Naomichi Matsumoto[2], Toshiro Hara [1]

1.Department of Pediatrics, Kyushu University, Fukuoka, Japan 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan 3.Fukuoka Dental College, Department of Pediatrics 4

O-177 A boy case of episodic ataxia type 2 and absence epilepsy with SCN1A gene mutation.

Keiko Tomiya[1], Kazuhiro Muramatsu [1], Noriko Sawaura [1], Hirokazu Arakawa[1], Atsushi Ishii[2], Shinnichi Hirose[2]

1.Gunma University Hospital,Gunma,Japan 2.Fukuoka University ,Fukuoka,Japan

O-178 A case of developmental regression and chorea athetosis identified a de novo mutation in GNAO1.

Saori Sakamoto[1], Yukifumi Monden [1], Ryoko Hukai [2], Noriko Miyake[2], Hiroshi Saito[1], Hitoshi Osaka[1], Masako Nagashima[1], Naomichi Matsumoto[2], Takanori Yamagata [1]

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-179 Long-term follow up of sibling cases of Dravet syndrome with SCN1A mutation

Hiroshi Maeda[1], Masashi Zuiki [1], Satoshi Kidowaki [1], Satoshi Yamasita[1], Tomohiro Chiyonobu[1], Masafumi Morimoto[1]

1.Kyoto Prefectural University of Medicine,Kyoto,Japan

O-180 A case of epilepsy patient with paralysis of left upper extremity

Mari Hatanaka[1], Shuichi Shimakawa [1], Shohei Nomura [1], Miho Fukui[1], Hiroshi Tamai[1]

1.Department of Pediatrics,Osaka Medical College

O-181 A new disease case of persistent tremor, action myoclonus, epilepsy and intellectual disability

Mizuki Kobayashi[1], Akihiko Miyauchi [1], Hitoshi Osaka [1], Takanori Yamagata[1]

1. Jichi Medical University Department of Pediatrics

O-182 A case of neck myoclonia with absence seizures associated with cortical dysplasia

Sawai Yasuko[1], Nakagawa Eiji [1], Ishiyama Akihiko [1], Takeshita Eri[1], Motohashi Yuko[1], Saito Takashi[1], Komaki Hirofumi[1], Sugai Kenji[1], Sasaki Masayuki [1]

1.National Center of Neurology and Psychiatry,Tokyo, Japan

O-183 The sibling of Lafora disease with a mutation on the NHLRC1 gene detected by whole-exome sequencing

Nami Araya[1], Yukitoshi Takahashi [1], Hiroki Nasu [1], Shinsaku Yoshitomi[1], Kazuki Tsukamoto[1], Tatsuo Mori[1], Tokito Yamaguchi[1], Hideyuki Ohtani[1], Hiroko Ikeda [1], Katsumi Imai [1], Hideo Shigematsu [1], Yushi Inoue [1], Masahiro Ishii [2], Masayuki Shimono [2], Mitsuhiro Kato [3]

1.National Epilepsy Center,Shizuoka Institute of Epilepsy and Neurological Disorder Center,Shizuoka,Japan 2.Department of Pediatrics,University of occupational and Environmental health,Kitakyushu,Japan 3.Department of Pediatrics,Yamagata University Faculty of Medicine,Yamagata,Japan 4

O-184 A case of cryptogenic localization-related epilepsy of neonatal onset

Yoshiteru Tamura[1], Hiroshi Matsumoto [1], Kiyotaka Zaha [1], Yasuko Nakamura[1], Yasuko Sawai[2], Kenji Sugai[2]

1.Pediatrics of National Diffence Medical College, Saitama, Japan 2.National center of Neurology and Psychiatry, Tokyo, Japan

O-185 Causes of Out-of-hospital Convulsive Status Epilepticus with Fever in Japan.

Itaru Hayakawa[1], Hiroshi Sakakibara [1], Hiroshi Hataya [1], Toshirou Terakawa[1], Nobuaki Inoue[2], Sahoko Miyama[3]

1.Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan 2.Division of Pediatric Emergency Medicine, Department of Pediatric Emergency and Critical Care Medicine, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan 3.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

O-186 Attitude survey about epilepsy in teachers of schools for special needs education.

Yuri Narita[1], Shin-Ichiro Hamano [2], Kenjiro Kikuchi [2], Mai Kuroda[1], Daishi Hirano[3]

1.Division of Psychology, Center for Child Health and Human Development, Saitama Children's Medical Center 2.Divison of Neurology, Saitama Children's Medical Center 3.Department of Pediatrics, Jikei University School of Medicine

O-187 Attention problems in epilepsy cases detected by ADHD Rating Scale and DN-CAS

Mitsuru Kashiwagi[1], Takuya Tanabe [2], Chizu Ooba [1], Sousuke Yoshikawa[3], Ryohei Miyamoto[4], Syuichi Shimakawa[5], Kouji Azumakawa[6], Eiji Wakamiya[7], Hiroshi Tamai [3]

1.Department of Pediatrics, Hirakata City Hospital 2.Department of Pediatric Neurology, Tanabe child clinic 3.Department of Pediatrics, Osaka Rousal College 4.Department of Pediatrics, Ibaraki Saiseikai Hospital 5.Department of Pediatrics, Osaka Medical College 6.Department of Pediatrics, Seikeikai Hospital 7.Aino University

O-188 Effects of valproate on serum cystatin C

Takamasa Kishi[1], Yuuji Fujii [2,3], Yoshiyuki Kobayashi [0], Nobutune Ishikawa[2,3]

1.Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan 2.Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan 3.Epilepsy center, Hiroshima University Hospital, Hiroshima, Japan

O-189 Total carnitine values and factors affecting the results

Toshihide Watanabe[1], Masashi Ogasawara [1], Rumiko Takayama [1]

1.Pediatrcs,Hokkaido Medical Center for Child Health and Rehabilitation

O-190 Toll-like receptor 3 activation enhances hyperthermia-induced seizures in immature rats

Mitsumasa Fukuda[1], Masanori Ito [1], Yoshiaki Yano [1], Hiroshi Sakuma[2], Masaharu Hayashi[2]

1.Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Japan 2.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-191 Features of pediatric patients with epilepsy who underwent epilepsy surgery

Ayataka Fujimoto[1], Toru Okanishi [2], Takuya Yokota [2], Hideo Enoki[2], Takamichi Yamamoto[1]

1.Comprehensive epilepsy center, Seirei Hamamatsu General Hospital 2.Hamamatsu Japan

O-192 Comprehensive Epilepsy Care and Open Brain Surgery for Children in Seirei-Hamamatsu General Hospital

Tohru Okanishi[1,2], Takuya Yokota [1], Hideo Enoki [0], Ayataka Fujimoto[2], Takamichi Yamamoto

1.Department of Child Neurology, Seirei-Hamamatsu General Hospital, Hamamatsu, Japan 2.Comprehensive Epilepsy Center, Seirei-Hamamatsu General Hospital

O-193 Vagus nerve stimulation in 9 pediatric patients with refractory epilepsy

Yoshiyuki Kobayashi[1], Yuji Fujii [1], Nobutsune Ishikawa [1]

1. Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan

O-194 Subacute progressive encephalitis involving bilateral hemispheres with epilepsia partialis continua

Norimichi Higurashi[1], Tomotaka Oritsu [1,2], Yukitoshi Takahashi [3], Hiroshi Sakuma[4], Shinichiro Hamano[5], Hiroyuki Ida[1]

1.Department of Pediatrics, Jikei University School of Medicine 2.Oritsu Kid's Clinic 3.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders 4.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science 5.Division of Neurology, Saitama Children's Medical Center

O-195 Stereotactic radiofrequency thermocoagulation of 100 consecutive cases with hypothalamic hamartoma

Hiroshi Shirozu[1,2], Hiroshi Masuda [1,2], Yosuke Ito [1,2], Masaki Sonoda[1,2], Shigeki Kameyama[1]

1.Department of Functional Neurosurgery, Nishi-Niigata Chuo National Hospital, Niigata, Japanl 2.Hypothalamic Hamartoma Center, Nishi-Niigata Chuo National Hospital, Niigata, Japan

O-196 Clinical backgrounds and prognoses after corpus callosotomy in 16 drug-resistant epilepsy children

Tohru Okanishi[1,2], Takuya Yokota [1], Hideo Enoki [0], Ayataka Fujimoto[2], Takamichi Yamamoto[2]

1.Department of Child Neurology, Seirei-Hamamatsu General Hospital 2.Comprehensive Epilepsy Center, Seirei-Hamamatsu General Hospital .

O-197 A case of epilepsy with CDKL-5 mutation which could tranfer valproate mono therapy.

Tatsuhiko Shike[1]

1.Yokohama Municipal Citizens Hospital

O-198 Pyridoxal phosphate is effecitve therapy for patient with SCN1A missense mutaion.

Nobusuke Kimura[1], Yoshihisa Higuchi [1], Daisuke Jyounen [1], Kenji Inoue[1], Naoko Nishimura[1], Makiko Nakamoto[1], Hiroshi Nihira[1], Tsuyoshi Imai[1], Tsuneo Hirota [1], Yukihiro Ikeda [1], Kenji Nakamura [1], Toshiyuki Yamamoto [2], Eri Imagawa [3], Noriko Miyake [3], Naomichi Matsumoto [3]

1.Otsu Red Cross Hospital, Shiga, Japan 2.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan 3.Yokohama City Graduate School of Medicine, Department of Human Genetics 4

O-199 Case report on the effectiveness of Ethosuximide for intractable epilepsy

Yumiko Hayashi[1], Yoshinori Kobayashi [1], Makio Oka [1], Katsuhiro Kobayashi[1], Harumi Yoshibaga[1]

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

O-200 Effectiveness and side effects of levetiracetam treatment

Yuko Nakano[1], Takahiro Ikeda [1,2], Akihiko Miyauchi [1], Masako Nagashima[1], Yukifumi Monden[1], Mari Kuwajima[1], Hitoshi Osaka[1], Takanori Yamagata[1]

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Rehabilitation Center, International University of Health and Welfare

O-201 Changes on psycogenesis and behavior by levetiracetam-mainly on Autistic Spectrum Disorders-

Michko Sugama[1], Asayo Ishizaki [1]

1.Oji Clinic;Divisin of Medicine,The Japanese Association on Intellectual and Developmental Disorderes,Tokyo,Japan

O-202 Efficacy of the intravenous anticonvulsant drug trial when exchanging oral antiepileptic drugs

Masahiro Ishii[1], Masayuki Shimono [1], Yumeko Matsuda [1], Tomofumi Fukuda[1], Ayako Senju[1], Shiho Takano[1], Naoki Shiota[2], Koichi Kusuhara[1]

1.The Department of Pediatrics, University of Occupational Envolmental Health 2.UBE Industries, LTD. Department of Health Care &Support Center, Environment

O-203 Low glycemic index treatment vs modified Atkins diet in intractable epilepsy

Tomohiro Kumada[1], Minoru Shibata [1], Fumihito Nozaki [1], Ikuko Hiejima[1], Anri Hayashi[1], Atsushi Yokoyama[1], Kanako Maizuru[1], Mioko Mori[1], Tatsuya Fujii [1]

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

O-204 Efficacy and safety of fosphenytoin for neonatal seizure.

Mika Nakazawa[1,2], Mitsuru Ikeno [1], Shinpei Abe [1], Taiki Shima[1,3], Shintaro Yamashita[4], Shinichi Niijima[4], Toshiaki Shimizu[1], Akihisa Okumura[5]

1.The Department of Pediatrics, Juntendo University, Tokyo, Japan 2.The Department of Neuropediatrics, Sanikukai Hospital, Tokyo, Japan 3.The Department of Neuropediatrics, Nagano Children's Hospital, Nagano, Japan 4.The Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan 5.Department of Pediatrics, Aichi Medical University, Nagakute, Aichi

O-205 A case of good course childhood occipital epilepsy of Gastaut with levetiracetam monotherapy

Yuji Hashimoto[1]

1. Pediatrics, Chiba Kaihin Municipal Hospital, Chiba, Japan

O-206 long term efficasy of rufinamide in the treatment of Lennox-Gastaut syndrome

Shin Okazaki[1], Ichirou Kuki [1], Hisashi Kawawaki [1], Kiyohiro Kim[1], Masataka Fukuoka[1], Yuka Hattori[1], Hitomo Tuji[1], Asako Horino[1], Megumi Nukui [1], Kiyotaka Tomiwa [1,2]

1.Departmet of Pediatric Neurology, Osaka City General Hospital,Osaka,Japan 2.Todaiji Hospital,Nara,Japan

O-207 Steroid Pulse Therapy for a Case of Nonconvulsive Status Epilepticus

Eri Kawatani[1], Yuko Tomonoh [1], Takako Fujita [1], Hiroshi Ideguchi[1], Takahito Inoue[1], Yukitoshi Takahashi[2], Shinichi Hirose[1], Sawa Yasumoto[3]

1.Department of pediatrics, School of medicine, Fukuoka university, Fukuoka, Japan 2.Shizuoka Institute of Epilepsy and Neurological disorders, Shizuoka, Japan 3.Center of medical education, Sschool of medicine, Fukuoka university, Fukuoka, Japan

O-208 Efficasy of Saikokaryukotsuboreito for Epilepsy in Children, 3rd Report

Eiji Kurihara[1]

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

O-209 Punctate white matter lesions in term/late-preterm infants with neonatal encephalopathy

Toru Kato[1], Takeshi Tsuji [1], Fumio Hayakawa [1]

1.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan

O-210 Outcome of neonates following perinatal asphyxia

Tatsuya Fukasawa[1], Takeshi Suzuki [1], Tetsuo Kubota [1], Tamiko Negoro[1,2]

1.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan 2.Department of Clinical Psychology, Faculty of Child Development, NIHON FUKUSHI UNIVERSITY, Aichi, Japan

O-211 Serum unbound bilirubin and clinical kernicterus in extremely low birth weight infants

Ichiro Morioka[1], Hajime Nakamura [1], Tsubasa Koda [1], Hitomi Sakai[2], Daisuke Kurokawa[1], Masahiko Yonetani[3], Takeshi Morisawa[3], Yoshinori Katayama[4], Hiroshi Wada [5], Masahisa Funato [5], Akihiro Takatera [6], Akihisa Okumura [7], Kazumoto Iijima [1]

1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan 2.Department of Neonatology, Kobe Children Hospital, Kobe, Japan 3.Department of Pediatrics, Kakogawa West Municipal Hospital, Kakogawa, Japan 4.Department of Pediatrics, Takatsuki General Hospital, Takatsuki, Japan 5.Osaka Developmental Rehabilitation Center, Osaka, Japan 6.Department of Pediatrics, Chibune General Hospital, Osaka, Japan 7.Department of Pediatrics, Aichi Medical University, Nagakute, Japan

O-212 Trial of Autologous Cord Blood Stem Cell Therapy for neonatal Hypoxic-Ischmic-Encephalopathy

Makoto Nabetani[1,5], Haruo Shintaku [2,5], Masahiro Tsuji [0], Akira Oka[4,5], Masahiro Hayakawa[5], Masanori Tamura[5], Yosiaki Satou[5], Shinich Watabe[5], Hiroyuki Ichiba [5], Takashi Hamasaki [2,5]

1.Department of Pediatrics, Hospice-Childrens Hospice Hospital, Osaka, Japan 2.Department of Pediatrics, Osaka-city University, Osaka, Japan 3.National Cerebral and Cardiovascular Center, Osaka, Japan 4.Department of Pediatrics, University of Tokyo, Tokyo, Japan 5.Neonatal Encephalopathy Consortium Japan, Nagoya, Japan

O-213 Effect of aminophylline on neonatal behavior

Tomoki Maeda[1], Kazuhito Sekiguchi [1], Kazuo Okanari [1], Shinichi Uchiyama[1]

1.Department of Pediatrics and Child Neurology, Oita Unversity, Oita, Japan

O-214 Intraventricular hemorrhage was considered as a cause of the fever in the 16-day-old neonate

Motoko Ogino[1], Mitsuru Kashiwagi [2], Takuya Tanabe [3], Shuichi Shimakawa[4], Chizu Oba[2], Hiroshi Tamai[4]

1.Rakuwakai Otowa Hospital,Kyoto,Japan 2.Hirakata City Hospital,Osaka,Japan 3.Tanabe Children Clinic,Osaka,Japan 4.Osaka Medical College Hospital,Osaka,Japan

O-215 Body height and endocrine disease in developmental disorder

Yasuko Kobayashi[1], Mieko Shimamura [2,3], Kumiko Onodera [1], Makie Sasaki[1], Toshiaki Sadayuki[4], Yoshiko Yamaguchi[5], Kiyoshi Omura[1]

1.Division of Pediatric Neurology, Sendai Nishitaga National Hospital, Sendai, Japan 2.Division of Psychiatry, Sendai Nishitaga National Hospital, Sendai, Japan 3.Natori Health Center, Natori, Japan 4.Yurigaoka Elementary School, Natori, Japan 5.Midoridai Pediatric Clinic, Natori, Japan

O-216 Developmental profile of the children with periventricular leukomalacia

Kenji Ikeda[1], Hiroshi Ozawa [2], Ushio Ootaki [1], Kayoko Takahashi[1], Akiko Kamiishi[1], Kiyoshi Arimoto[1], Satoshi Kimiya[1]

1.Shimada rehabilitation center , Tokyo , Japan 2.Shimada rehabilitation center Hachioji , Tokyo , Japan

O-217 Public impact of SGA birth on neurodevelopment in infancy: a nationwide population-based study

Akihito Takeuchi[1], Yuuki Hyodo [2], Hiroki Tsuchiya [2]

1.Department of Neonatology, Okayama Medical Center, National Hospital Organization, Okayama, Japan 2.Department of Pediatrics, Okayama Medical Center, National Hospital Organization, Okayama, Japan

O-218 Visual Information Processing Skill in School Children with Spina Bifida

Tomohito Okumura[1], Tomoko Miura [2], Akihiro Kawasaki [3], Makoto Nakanishi[4], Shuichi Shimakawa[5], Eiji Wakamiya[6], Hiroshi Tamai[5]

1.Osaka Medical College, LD Center, Takatsuki, Japan 2.Palm Children's Clinic, Ritto, Japan 3.University of Toyama, Faculty of Human Development, Toyama, Japan 4.Kansai University, Graduate School of Psychology, Suita, Japan 5.Osaka Medical College, Department of Pediatrics, Takatsuki, Japan 6.Aino University, Faculty of Nurse Science, Center for General Education, Ibaraki, Japan

O-219 M-CHAT analysis for very low birth weight infants at the corrected age of 18 months

Keiko Hirabaru[1,2], Muneaki Matsuo [3], Toshimitsu Takayanagi [2]

1.Saga-Ken Medical Centre Kouseikan,Saga City,Saga,Japan 2.National Hospital Organization Saga National Hospital,Saga City,Saga,Japan 3.Saga University Hospital,Saga City,Saga,Japan

O-220 Deafness, psychomotor retardation, and white matter lesion associated with mtDNA A8296G mutation

Mayu Tahara[1,2], Norimichi Higurashi [1], Masatoshi Iijima [1], Daishi Hirano[1], Hiroshi Kobayashi[1], Shin-Ichiro Hamano[2], Hiroyuki Ida[1]

1.The Department of Pediatrics, Jikei University school of Medicine, Tokyo, Japan 2.Department for Child Health and Human Development, Saitama Childrens Medical Center, Saitama, Japan

O-221 Utility of long-term video-EEG monitoring for paroxysmal events in infancy

Susumu Ito[1], Hirokazu Oguni [1], Aiko Nishikawa [1], Satoru Nagata[1]

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

O-222 The characteristics of temporal lobe epilepsy in infants and children.

Ryoko Honda[1], Hiroshi Baba [2], Keisuke Toda [2], Tomonori Ono[2], Shigeki Tanaka[1], Tadateru Yasu[1]

1.Deoartnebt of Pediatrics, National Hospital Organization Nagasaki Medical Center, Nagasaki, Japan 2.Department of Neurosurgery, National Hospital Organization Nagasaki Medical Center

O-223 Developmental and epilepsy outcome in childhood epilepsies with onset in the first year of life.

Ayuko Igarashi[1], Shinpei Abe [1], Mitsuru Ikeno [1], Shinichi Niijima[2], Tomoyuki Nakazawa[3], Toshiaki Shimizu[1]

1.Department of Pediatrics, Juntendo University Faculty of Medicin, Tokyo, Japan 2.Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan 3.Department of Pediatrics, Juntendo Urayasu Hospital, Tokyo, Japan

O-224 Two cases of benign familial infantile epilepsy with PRRT2 mutation

Kiyotaka Zaha[1], Hiroshi Matsumoto [1], Yoshiteru Tamura [1], Yasuko Nakamura[2], Atushi Ishii[3], Shinichi Hirose[3]

1.The Department of Pediatrics, National Defense Medical College, Saitama, Japan 2.Japan Self Defense Force Maiduru Hospital, Kyoto, Japan 3.The Department of Pediatrics, University of Fukuoka, Fukuoka, Japan

O-225 Clinico-electroencephalographical study of four cases with repetitive sleep starts

Yuki Maki[1], Hiroyuki Kidokoro [1], Hiroyuki Yamamoto [2], Akihisa Okumura[3], Yoko Sakaguchi[1], Yuji Ito[1], Chikako Ogawa[1], Tamiko Negoro[1], Kazuyoshi Watanabe [1], Jun Natsume [1]

1.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan 2.Department of Pediatrics, Aichi Prefecture Medical Welfare Center of Aoitori 3.Department of Pediatrics, Aichi Medical University

O-226 Abmormal movement during sleep in a boy with alternating hemiplegia of childhood

Sadami Kimura[1], Hiromitu Toshikawa [1], Tomokazu Kimizu [1], Tae Ikeda[1], Yukiko Mogami[1], Keiko Yanagihara[1], Atushi Ishii[2], Shinnichi Hirose[2], Yasuhiro Suzuki [1]

1.Osaka Medical Center And Research Institute For Maternal And Child Health,Osaka,Japan 2.Medical department of Pediatrics,Univesity of Fukuoka,Fukuoka,Japan

O-227 Non-Epileptic Twilight State with Convulsive Manifestations on outcome prediction of febrile seizure

Tetsuhiro Fukuyama[1], Yuuko Takei [1], Jiu Okuno [1], Tukasa Higuchi[2], Noboru Fueki[3], Shinichi Hirabayashi[1]

1.Division of Neurology, Nagano Children's Hospital 2.Division of General Pediatrics, Nagano Children's Hospital 3.Division of Rehabilitation, Nagano Children's Hospital

O-228 Blood tests within 6 hours of onset that predict fulminant acute encephalopathy

Tsukasa Tanaka[1], Masahiro Nishiyama [2], Kyoko Fujita [1], Azusa Maruyama[1], Hiroaki Nagase[1]

1.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan 2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan

O-229 Clinical and neuroimaging features of acute encephalopathy

Nozomi Hirai[1], Jun-Ichi Takanashi [1], Satoko Harada [1], Kitami Hayashi[1]

1. Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan

O-230 Adenosine receptor signaling negatively regulates interleukin-1beta production from murine microglia

Tomonori Suzuki[1,2], Hiroshi Sakuma [1], Masaharu Hayashi [1]

1.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 2.Department of Pediatrics, Tokyo Medical Dental University, Tokyo, Japan

O-231 Upregulation of cerebrospinal fluid macrophage migration inhibitory factor in AERRPS

Tomoko Mizuno[1,2], Hiroshi Sakuma [2], Tomonori Suzuki [0], Masaharu Hayashi[2]

1.Department of Pediatrics, Musashimurayama Hospital, Tokyo, Japan 2.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 3.Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University Graduate School of Medical and Dental Sciences, Tokyo, Japan

O-232 Underlying neurologic disorders in Acute Encephalopathy

Yoshimichi Hirayama[1], Yoshihiro Maegaki [2]

1.Deparatment of Pediatrics Naha city hospital,Okinawa,Japan 2.Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University

O-233 1H-MRS in AD/HD -left cerebellum-

Hiromichi Ito[1], Kenji Mori [2], Masafumi Harada [3], Yoshihiro Toda[1], Tatsuo Mori[1], Aya Goji[1], Masahito Miyazaki[1], Shoji Kagami[1]

1.Department of Pediatrics, Tokushima University, Tokushima, Japan 2.Department of Child Health & Nursing, Tokushima University, Tokushima, Japan 3.Department of Radiology, Tokushima University, Tokushima, Japan

O-234 Silent MRI in pediatric patients. Radiological evaluation; comparison with conventional MRI

Yoshiyuki Watanabe[1], Chisato Matsuo [1], Shin Nabatame [2], Sayaka Nakano[2], Noriyuki Tomiyama[1]

1.Department of Radiology, Osaka University Graduate School of Medicine 2.Department of Pediatrics Osaka University Graduate School of Medicine

O-235 Development of the human oculomotor nuclear complex: A computerized 3D reconstruction study

Katsuyuki Yamaguchi[1]

1.Department of Pathology, Dokkyo University School of Medicine, Tochigi, Japan 2.Department of Pediatrics, Southern Tohoku General Hospital

O-236 Regional cerebral blood flow change in childhood by the quantitative evaluation of 123I-IMP SPECT

Yuko Hirata[1], Shin-Ichirou Hamano [1,3], Athuko Oba [1], Yuji Kumagai[1], Kenjiro Kikuchi[0], Manabu Tanaka[3], Reiko Koichihara[3], Motoyuki Minamitani[1]

1.Saitama Children's Medical Center, Division of Neurology, Satiatam, Japan 2.Jikei University School of Medicine, Department of Pediatrics, Tokyo, Japan 3.Saitama Children's Medical Center, Department for Child Health and Human, Saitama, Japan

O-237 Diffusion tensor imaging and hippocampal volumetry in Dravet syndrome

Jun Natsume[1], Chikako Ogawa [1], Hiroyuki Yamamoto [1], Yuji Ito[1], Tomoya Takeuchi[1], Setsuri Yokoi[1], Yoko Sakaguchi[1], Yoshiteru Azuma[1], Naoko Ishihara [1], Hiroyuki Kidokoro [1], Kiyokuni Miura [1], Tamiko Negoro [1], Kazuyoshi Watanabe [1]

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

O-238 Diffusion kurtosis imaging of brain in term equivalent preterm infants

Mitsuru Ikeno[1], Akihisa Okumura [2], Ayuko Igarashi [1], Shinpei Abe[1], Shinichi Niijima[3], Toshiaki Shimizu[1]

1.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan 2.Department of Pediatrics, Aichi Medical University, Aichi, Japan 3.Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan

O-239 Clinical features and brain images of stroke-like episode in patients with Sturge-Weber syndrome

Tomokazu Kimizu[1], Hiromi Toshikawa [1], Sadami Kimura [1], Tae Ikeda[1], Yukiko Mogami[1], Keiko Yanagihara[1], Yasuhiro Suzuki[1]

1.Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

O-240 MRI findings of primary central nervous system lymphoma mimicking ADEM

Mutsumi Morishita[1], Shin-Ichiro Hamano [1,2], Atsuko Oba [1], Yuji Kumagai[1], Yuko Hirata[1], Manabu Tanaka[1], Yuki Arakawa[3], Katsuyoshi Ko[3]

1.Devision of Neurology,Saitama Chirdren's Medical center 2.department for Child Health and Human Development,Saitama Chirdren's Medical center 3.Division of Hematology and oncology,Saitama Chirdren's Medical center

O-241 An adolescent case of respiratory management in congenital central hypoventilation syndrome

Tomohito Fujioka[1], Hitomi Hino [1], , , , , , , , , , , , , ,
1.Pediatric, Shikoku Central Hospital of the Mutual Aid Assosiation of Public School Teachers, Ehime, Japan 2. 3. 4. 5. 6. 7. 8. 9. 10.

O-242 Two classmates with fainting episodes of OD which occured simultaneously

Kana Atsumi[1], Setsuko Hasegawa [1], Rie Miyata [1]

1.Tokyo kita medical center, Tokyo, Japan

O-243 Cyclic vomiting syndrome treated by sodium valproate

Toshiyuki Hikita[1], Kaori Ogita [1], Kaori Amakata [1], Sono Kaneko[1], Natsue Nakamoto[0], Hiroko Kodama[1]

1.Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan 2.Faculty of Health Sciences Department of Occupational Therapy, Mejiro University, Tokyo, Japan

O-244 Three cases of sleep-related laryngospasm

Shigeyuki Matsuzawa[1], Sanae Yamazaki [2], Sayaka Nakano [2], Shin Nabatame[2], Keiichi Osono[2], Masako Taniike[0]

1.Research Center for Children's Mental Development,United Graduate School of Child Development,Osaka University, Osaka, Japan 2.Department of Pediatrics, Osaka university, Osaka, Japan

O-245 Translational research for establishing exon skipping therapy of Duchenne muscular dystrophy

Masafumi Matsuo[1,2]

1.Faculty of Rehabilitation, Kobegakuin University 2.Department of Pediatrics, Graduate School of Medicine, Kobe University

O-246 Exon skipping in Duchenne muscular dystrophy by NS-065/NCNP-01:a phase 1, first-in-human study.

Hirofumi Komaki[1,2], Tetsuya Nagata [4], Takashi Saito [4], Eri Takeshita[1], Hisateru Tachimori[5], Reiko Shimizu[3], Maki Ohata[2], Akemi Tamaura[2], Koichi Fukuda [3], Maiko Suzuki [3], Harumasa Nakamura [2,3], Masayuki Sasaki [1], Shin-Ichi Takeda [3,4]

1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan 2.National Center of Neurology and Psychiatry, Tokyo, Japan 3.National Center of Neurology and Psychiatry, Tokyo, Japan 4.National Center of Neurology and Psychiatry, Tokyo, Japan 5.National Center of Neurology and Psychiatry, Tokyo, Japan

O-247 Trends with steroid therapy for Duchenne Muscular Dystrophy in Japan.

Fumi Takeuchi[1], Hirofumi Komaki [2,3], Harumasa Nakamura [0], Naohiro Yonemoto[4], Kousuke Kashiwabara[0], En Kimura[1], Shin'Ichi Takeda[0]

1.Department of Clinical Research Support, Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 3.Department of Clinical Research Promotion, National Center Hopital, National Center of Neurology and Psychiatry, Tokyo, Japan 4.Department of Neuropsychopharmacology, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan 5.Department of Epidemiology, Translational Medical Center, National Center of Neurology and Psychiatry, Tokyo, Japan 6.Department of Biostatistics, School of Public Health, Graduate School of Medicine, The University of Tokyo, Tokyo 7.Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

O-248 Analysis of urinary prostaglandin metabolite in patients with Duchenne muscular dystrophy

Eri Takeshita[1], Hirofumi Komaki [1,2], Ryoko Tsuno [2], Hisateru Tachimori[3], Kazuhisa Miyoshi[4], Ikuo Yamamiya[4], Yuko Motohashi[1], Akihiko Ishiyama[1], Takashi Saito [1], Eiji Nakagawa [1], Kenji Sugai [1], Masayuki Sasaki [1]

1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Clinical Research Promotion, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 3.Department of Mental Health and Policy, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan 4.Taiho Pharmaceutical Co. Ltd.

O-249 Case report of a brother of Duchenne muscular dystrophy with deletion of all dystrophin gene

Shigemi Kimura[1], Shiro Ozasa [1], Keiko Nomumra [1], Hirofumi Kosuge[1]

1.Department of Pediatrics, Kumamoto University Graduate School, Kumamoto, Japan

O-250 Deterioration of renal function in adolescent patients with Duchenne muscular dystrophy.

Takahiro Motoki[1], Hirofumi Komaki [1], Madoka Mori [2], Yasushi Oya[2], Eri Takeshita[1], Yuko Motohashi[1], Akihiko Ishiyama[1], Takashi Saito[1], Eiji Nakagawa [1], Kenji Sugai [1], Masayuki Sasaki [1], Miho Murata [2]

1.Department of child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

O-251 Three cases of Becker muscular dystrophy without muscle symptoms

Hiroto Akaike[1], Mina Kono [1], Eisuke Kondo [1], Atsushi Kato[1]

1.The Department of Pediatrics, Kawasaki Medical School

O-252 Evaluating methods to assess ADHD tendency in patients with DMD/BMD: A preliminary study

Honoka Shingaki[1], Kiyoka Enomoto [1], Osamu Imura [1], Haruo Fujino[1], Tsuyoshi Matsumura[2], Toshio Saito[2], Harutoshi Fujimura[2]

1.Graduate School of Human Sciences, Osaka University, Osaka, Japan 2.Department of Neurology and Child Neurology, National Hospital Organization Toneyama National Hospital, Osaka, Japan

O-253 Serum ALT/AST ratio in Duchenne/Becker muscular dystrophy and dermatomyositis

Tomoko Lee[1], Hideki Shimomura [1], Hiroyuki Awano [2], Mariko Yagi[3], Kazumoto Iijima[2], Masafumi Matsuo[4], Yasuhiro Takeshima[1]

1.Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan 2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan 3.Department of Pediatrics, Nikoniko House Medical and Welfare Center, Kobe, Japan 4.Department of Medical Rehabilitation, Kobegakuin University , Kobe, Japan

O-254 Studies of the reasons for visiting hospital on the patients of child neuromuscular diseases.

Yusaku Miyamoto[1,2], Hisako Yamamoto [1,2], Masaaki Ikoma [0], Hirofumi Komaki[3], Hitoshi Yamamoto[2]

1.Division of Pediatrics, Kawasaki Municipal Tama Hospital, St. Marianna University School of Medicine. Kawasaki, Japan 2.Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki Japan 3.Department of Child Neurology, Natonal Center Hospital, National Center of Neurology and Psychiatry, Tokyo Japan

O-255 A case of Ullrich muscular dystrophy diagnosed in adulthood

Yoko Nishimura[1], Shizuka Matsuoka [2], Wataru Matsumura [3], Ichizo Nishino[4], Yoshiaki Saito[1], Yoshihiro Maegaki[1]

1.Division of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University, Tottori, Japan 2.Division of Child Neurology, Shikoku Medical Center for children and adults 3.Division of pediatrics, Tottori Prefectural Kousei Hospital 4.Department of Neuromuscular Research, National institute of Neuroscience, National Center of Neurology and Psychiatry

O-256 Effect of early scoliosis surgery in respiratory function of Ullrich congenital muscular dystrophy

Kosuke Kohashi[1], Akihiko Ishiyama [1], Akihiko Yonekawa [2], Eri Takeshita[1], Yuko Motohashi[1], Takashi Saitou[1], Eiji Nakagawa[1], Hirohumi Komaki[1], Kenji Sugai [1], Masaya Nonaka [2], Ichizo Nishino [2], Wataru Saito [3], Masashi Talaso [3], Masayuki Sasaki [1]

1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan. 2.Department of Neuromuscular Research, National Center of Neurology and Psychiatry, Tokyo, Japan. 3.Department of Orthopaedic Surgery, Kitasato University School of Medicine, Kanagawa, Japan.

O-257 A case of tuberous sclerosis with Beckwith Wiedemann Syndrome.

Misako Kinoshita[1], Kenjiro Kikuchi [2], Shin-Ichiro Hamano [2]

1.Department of Pediatrics,Jikei University school of Medicine 2.Division of Neurology,Saitama Children Medical Center

O-258 Follow-up of various organ lesions in tuberous sclerosis

Harumi Yoshinaga[1], Fumika Endoh [2], Takashi Shibata [2], Takushi Inoue[2], Katsuhiro Kobayashi[2]

1.Department ot Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan 2.Department of Child Neurology, Okayama University Hospital, Okayama, Japan 3. 4. 5. 6. 7. 8. 9. 10.

O-259 Efficacy of everolimus in a TSC patient with rapidly growing subependymal giant cell astrocytoma.

Naoko Ishihara[1,2], Jun Natsume [2], Masazumi Fujii [3], Tamiko Negoro[2], Kazuyoshi Watanabe[2], Seiji Kojima[2]

1.Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan 2.Nagoya University Graduate School of Medicine, Nagoya, Japan 3.Department of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

O-260 17 cases of tuberous sclerosis made the Vigabatrin administration against intractable epilepsy.

Sato Suzuki[1], Hiroki Sato [1], Yuko Sato [1], Yurika Uematsu[1], Tojo Nakayama[1], Yuki Kubota[1], Naomi Hino-Fukuyo[1], Tomoko Kobayashi[1], Mitsugu Uematsu [1], Shigeo Kure [1]

1.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

O-261 effectiveness of vigabatrin and ketogenic diet: two infantile spasms with tuberous sclerosis

Rie Nakai[1], Akira Kumakura [1], Daisuke Hata [1]

1.Pediatric department of KITANO Hospital

O-262 Clinical findings of megalencephaly with mutations in PI3K-AKT-mTOR pathway

Atsuko Harada[1], Yonehiro Kanemura [2], Fuyuki Miya [3], Hirotomo Saitsu[4], Takumi Yamanaka[1], Masahiro Nonaka[5], Kenichi Nishiyama[6], Nobuhiko Okamoto[7], Hidetsuna Utsunomiya [8], Mitsuhiro Kato [9], Shinji Saito [10], Tatsuhiko Tsunoda [3], Yukihiko Fujii [6], Naomichi Matsumoto [4], Mami Yamasaki [1]

1.Department of Pediatric Neurosurgery, Takatsuki General Hospital, Takatsuki, Japan 2.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan 3.Laboratory for Medical Science Mathematics, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan 5.Department of Neurosurgery, Kansai Medical University, Hirakata, Japan 6.Department of Neurosurgery, Brain Research Institute, University of Niigata, Niigata, Japan 7.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health 8.Department of Radiological Science, International University of Health and Welfere, Graduate School, Fukuoka, Japan 9.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 10.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya City, Aichi

Poster Presentation

P-001 Risperidone usage in preschool age with Autistic spectrum disorder.

Naohide Shiroma[1], Hirotaka Minema [1]

1.Development & Neurology Clinic PROP

P-002 Neural Mechanisms of ASD with Apraxia of Speech; DTI and VBM study

Keisuke Wakusawa[1], Hiroyuki Yokoyama [2], Chieko Nara [3], Yuki Kubota[3], Shigeo Kure[3]

1.Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan 2.School of Nursing, Yamagata University, Yamagata, Japan 3.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

P-003 The cross-sectional examination of autistic spectrum properties in all kindergartner of Komatsu city

Sachi Otsuki[1], Yoshiki Ueno [1], Yukiko Koba [1], Akio Otsuki[1]

1. Pediatrics,Komatsu Municipal Hospital,Komatsu,Japan

P-004 The link between selective eating and sensory issues in preschoolers with autism spectrum disorder

Miho Shizawa[1], Junko Matsuzaki [2], Moe Eto [2], Aika Tatsumi[3], Tomoka Yamamoto[3], Arika Yoshizaki[3], Saeko Sakai[2], Ikuko Hirata[4], Ikuko Mohri [2], Masako Taniike [2]

1.Graduate School of Medicine, Kyoto University, Kyoto, Japan 2.United Graduate School of Child Development, Osaka University, Osaka, Japan 3.Reserch Center for Children's Mental Development, United Graduate Schhol of Child Development, Osaka, Japan 4.Graduate School of Medicine, Osaka University, Osaka, Japan

P-005 Differential responses of mismatch field in autism spectrum disorder with auditory hypersensitivity

Junko Matsuzaki[1,2], Kuriko Shimono [1,2,3], Ikuko Hirata [3], Ryuzo Hanaie[2], Fumiyo Nagatani[2], Tomoka Yamamoto[2], Masaya Tachibana[0], Koji Tominaga[0], Masayuki Hirata [4], Ikuko Mohri [1,2,3], Masako Taniike [1,2,3]

1.United Graduate School of child development, Osaka University, Kanazawa University, Hamamatsu University of Medicine, Chiba University and University of Fukui, Osaka, Japan 2.Molecular Research Center for Children's Mental Development, United Graduate School of child development, Osaka University, Osaka, Japan 3.Depertment of pediatrics, Graduate School of Medicine, Osaka University, Osaka, Japan 4.Department of Neurosurgery, Graduate School of Medicine, Osaka University, Osaka, Japan

P-006 Intellectual changes of toddlers with autism spectrum disorders

Hiroyuki Satake[1]

1.Fukuoka-East Rehabilitation Center for Children

P-007 Evaluation of sleep and effectiveness of low dose l-dopa in ASD by Sleep Research Support System.

Kyoko Hoshino[1,2], Kazue Kimura [1], Yuri Nagao [1], Kei Hachimori[1], Yoshiko Nomura[1], Masaya Segawa[1]

1.Segawa neurological cliinic for chidren 2.The Department of Pediatrics, Minami Wakayama Medical Center, Wakayama, Japan

P-008 Scurvy in a 2 year-old ASD with unbalanced diet ; A case report.

Syoyo Tanikawa[1], Kyoko Hoshino [1,2], Hiroshi Arakawa [1], Katuaki Taira[3], Eiji Oguma[4]

1.The Department of Pediatrics, Saitama Medical Center, Saitama, Japan 2.The Department of Pediatrics, Minami Wakayama Medical Center, Wakayama, Japan 3.Devision of Orthopedics,Saitama Children's Medical Center 4.Devision of Radiology,Saitama Children's Medical Center

P-009 Impact of ABA Intervention in the Development of Verbal Communication Skills in Children with ASD

Keitaro Sueda[1], Keiko Morihoka [1], Izumi Hara [1], Sachiyo Hayakawa[1], Keiko Maeda[1]

1. Shizuoka Medical Welfare Center (Shizuoka IryoFukushi Center), Shizuoka, Japan

P-010 Effects of very low-dose aripiprazole in children with high-functioning autism spectrum disorders

Ikumi Kimura[1,2], Yukiko Isono [1], Akira Yoneyama [1], Masutomo Miyao[2]

1.The National Rehabilitation Center for Children with Disabilities 2.Donguri-Child development and psychiatry Clinic, Tokyo, JAPAN

P-011 What does the Synthetic House-Tree-Person Test reveal on individuals with autism spectrum disorder?

Koichi Aizaki[1], Fuyumi Aizaki [1], Joyce Lum [1], Rachel Aiello[1], Ruth Fuller[1], Catherine Kochman[1], Dorothy Mcnee[1]

1.The University of North Carolina TEACCH Autism Program Charlotte Center, North Carolina, USA

P-012 The qualitative scores of the Boston Qualitative Scoring System and executive functions in childhood

Kosuke Nakano[1], Tatsuya Ogino [2], Kiyoko Watanabe [3], Makio Oka[4], Yoko Ohtsuka[5]

1.Department of Special Education, Faculty of Education, University of Ehime, Japan 2.Department of Children Studies, Faculty of Children, Studies, Chugokugakuen University, Okayama, Japan 3.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan 4.Department of Child neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan 5.Asahigawasou Rehabilitation and Medical Center, Okayama, Japan

P-013 How old can children realize self-estimation about school ?

Hiroshi Ozawa[1], Yoko Kishimoto [1], Yoshiko Nomura [1], Kaoru Amemiya[1], Yuri Ozawa[1]

1.Deoartment of Child Neurology, Shimada Ryoiku Center Hachioji

P-014 Writing and reading difficulty in a boy with frontal lobe injury

Miho Fukui[1], Shuichi Shimakawa [1], Mari Hatanaka [1], Shohei Nomura[1], Naoko Kurimoto[2], Mekumi Mizuta[2], Takashi Takeshita[2], Tomohito Okumura[2], Eiji Wakamiya [3], Hiroshi Tamai [1]

1.Department of Pediatrics, Osaka Medical College, Osaka, Takatsuki, Japan 2.LD Center, Osaka Medical College, Osaka, Takatsuki, Japan 3.Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University, Ibaraki, Osaka, Japan

P-015 Retrospective study of developmental features in children with hearing disturbances

Syoko Yamauchi[1,2], Yuji Inaba [2], Yoichiro Kawasaki [2], Mituo Motobayashi[2], Naoko Shiba[2]

1.Asama General Hospital, Nagano, Japan 2.Shinshu University, Nagano, Japan

P-016 Study of handwriting behavior using a pen-type simple brush pressure gauge with ASD

Yusuke Watanabe[1], Taro Ohtoshi [2], Satoshi Takada [1]

1.Graduate School of Health Sciences, University of Kobe, Hyogo, Japan 2.Department of Rehabilitation Sciences, Kansai University of Welfare Science, Osaka, Japan

P-017 Neurophysiological study of frontal functions in a girl with Williams syndrome

Sayaka Ishii[1,2], Yoshimi Kaga [1,2], Tomoko Tando [1], Kakuro Aoyagi[1], Hideaki Kanemura[1], Takaya Nakane[1], Kanji Sugita[1], Masao Aihara[3]

1.Department of Pediatrics, University of Yamanashi, Yamanashi, Japan 2.Department of pediatrcs, National Hospital Organization Kofu National Hospital, Yamanashi, JAPAN 3.Department of Health Science and Community, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan

P-018 The relationship between sensory processing and behaviors in chidren with Williams Syndrome

Kanae Matsushima[1], Keiko Saito [2], Tomonari Awaya [2], Takeo Kato[2], Toshihiro Heike[2], Kiyotaka Tomiwa[0], Toshihiro Kato[1]

1.Human Health Science, Graduate School of Medicine Kyoto University, Kyoto, Japan 2.Kyoto University Graduate School of Medicine Department of Pediatrics 3.Todaiji Medical and Educational center

P-019 Hyperacusis, fears, and behavior problems in persons with Williams syndrome

Takeo Kato[1], Masatoshi Nakata [1], Minako Ide [1], Takeshi Yoshida[1], Keiko Saito[1], Kanae Matsushima[2], Tomonari Awaya[1], Toshihiro Kato[2], Toshio Heike [1], Kiyotaka Tomiwa [1,3]

1.Department of Pediatrics, Graduate School of Medicine, Kyoto University, Kyoto, Japan. 2.Human Health Sciences, Facility of Medicine, Kyoto University, Kyoto, Japan. 3.Todaiji Medical and Educational Center, Nara, Japan

P-020 Study of qualitative differences of word and non-word reading in identical schoolage children

Hitoshi.T Uchiyama[1], Ayumi Seki [2,3], Hisakazu Yanaka [0], Takahiro Niida[1], Tatsuya Koeda[0]

1.School of Health Sciences, International University of Health and Welfare, Ohtawara, Japan 2.Faculty of Regional Sciences, Child Development and Learning Research Center 3.Department of Clinical Research, Tottori Medical Center, National Hospital Organization, Tottori, Japan

P-021 Analysis of gaze point in young children by Gazefinder

Toko Mori[1], Kenji Tsuchiya [2], Taiichi Katayama [3], Toshisaburou Nagai[1]

1.Course of Health Science, Osaka University Graduate School of Medicine, Osaka, Japan 2.Hamamatsu University School of Medicine, Research Centre for Child Mental Development ,Shizuoka, Japan 3.United Graduate School of Child Development ,Osaka University, Osaka, Japan

P-022 Emergent Management of acute encephalitis/encephalopaty in standard general hospital.

Hiroshi Shiraku[1], Masayasu Ohta [1]

1.JA Toride General Medical Center, Ibaraki Prefecture, Japan

P-023 Genetic background in Japanese acute necrotizing encephalopathy: Cytokine gene polymorphism analysis

Ai Hoshino[1,4], Makiko Saitoh [1], Masaya Kubota [2], Jun-Ichi Takanashi[3], Akira Oka[4], Masashi Mizuguchi[1]

1.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan 2.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan 3.Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan 4.Department of Pediatrics, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-024 A case of acute encephalopathy treated with delayed targeted temperature management

Kazumi Tomioka[1], Tsukasa Tanaka [1], Azusa Maruyama [1], Hiroaki Nagase[1]

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

P-025 3 cases of acute encephalitis suffering from apneic seizures, on which MDL had prominent effect

Kentaro Shirai[1], Haruna Yokoyama [1], Akiko Haibara [1], Atuko Yamamoto[1], Akimitu Watanabe[1]

1.Tsuchiura Kyodo Hospital, Department of pediatrics,Tsuchiura, Ibaragi,Japan

P-026 A case of AESD with MMA after the liver transplantation.

Kazuhiko Hashimoto[1], Takuya Hayashida [1], Tarou Kanbe [1], Muneichirou Sumi[1], Tatsuharu Sato[2], Hiroyuki Moriuchi[2]

1.Sasebo City General Hospital, Sasebo, Japan 2.Nagasaki University Hospital, Nagasaki, Japan

P-027 A case of acute encephalitis with refractory, repetitive partial seizures with well treated epilepsy

Shuei Watanabe[1], Sato Suzuki [2], Noriko Togashi [1]

1.Department of Neurology, Miyagi Children's Hospital, Sendai, Japan 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan

P-028 The case of AERRPS that presented a cerebral infarction-like change in Brain MRI.

Takuya Hayshida[1], Tatsuharu Sato [2], Kazuhiko Hashimoto [1], Kiyoko Watanabe[2], Yoshiaki Watanabe[2], Yukitoshi Takahashi[3], Hiroyuki Moriuchi[2]

1.Department of Pediatrics,Sasebo City General Hospital,Sasebo,Japan 2.Department of Pediatrics,Nagasaki university,Nagasaki,Japan 3.Department of Pediatircs,Shizuoka Medical institute of Neurological Disorders,Shizuoka,Japan

P-029 Efficacy of cyclophosphamide pulse therapy in AERRPS

Atsuko Takagi[1], Mayuko Fujita [1], Tomoyuki Fukuhara [1], Yuji Fujita[1], Haruka Takei[1], Yoshiharu Yamashita[1], Hiroshi Chikaraishi[1], Kanshi Minamitani[1], Setsuo Ota [1]

1.Teikyo University Chiba Medical Center, Ichihara, Japan

P-030 A case of acute encephalitis with refractory, repetitive partial seizures with myoclonic seizures

Noriko Nakamura[1], Takahito Inoue [1,2], Takeshi Kanaumi [0], Kazuko Yoshimura[1,2], Hitomi Hayashi[1], Reimi Tsurusawa[1], Naomi Morishima[1], Atsushi Ogawa[1]

1.Fukuoka University Chikushi hospital, Fukuoka, Japan 2.Faculty of Medicine, Fukuoka University, Fukuoka, Japan

P-031 A retrospective review of 3 AERRPS children hoppitalized from 2012 to 2014 at our hospital.

Yutaro Ueno[1], Sotaro Yuzawa [1], Tatsuya Sakashita [1], Kazuhiro Hirata[1], Emiko Kobayashi[1], Kanako Maruta[2], Kunihiro Matsunami[1], Shuji Kuwabara[1], Eiji Matsukuma [1], Naoki Matsuo [1], Atsushi Imamura [1]

1.Gifu Prefectural General Medical Center 2.Nagara Medical Center

P-032 A five cases of Lung abscess with severe motor and developmental disabilities

Yoshimi Watanabe[1], Taku Omata [1], Yukiko Iida [1], Kazuo Kodama[1], Kaori Muta[1], Tadashi Hoshino[2]

1.Division of Child Neurology, Chiba Childrens' Hospital, Chiba, Japan 2.Division of child infectious Disease, Chiba Childrens' Hospital, Chiba, Japan

P-033 A case report of newborn GBS meningitis which measured MEPM concentration in blood and CSF

Ayako Yamamori[1], Tomohiko Nakata [1], Seiko Itomi [2]

1.The Department of Pediatrics, Japanese Red Cross Nagoya Daiichi Hospital, Nagoya, Japan 2.The Department of Pediatric Neurology, National Hospital Organization Utano National Hospital, Kyoto, Japan

P-034 Two cases diagnosed as autism spectrum disorder in courses of post-bacterial meningitis

Kaori Hino[1], Syouhei Watanabe [1]

1.Ehime Prefectural Imabari Hospital, Ehime, Japan

P-035 A case of Toxic Shock Syndrome after burn injury treated with multimodality therapy

Yoshitsugu Oikawa[1], Mitsugu Uematsu [1], Atsuo Kikuchi [1], Tojo Nakayama[1], Takaaki Kigoshi[1], Naomi Fukuyo[1], Shigeo Kure[1]

1.Department of Pediatrics, Tohoku University Hospital, Sendai, Japan

P-036 Sepsis-associated encephalopathy in 4 patients with digestive disorder during TPN

Tae Ikeda[1], Hiromi Toshikawa [1], Sadami Kimura [1], Yuichi Kimizu[1], Yukiko Mogami[1], Keiko Yanagihara[1], Yasuhiro Suzuki[1]

1.Osaka Medical Center And Research Institute For Maternal And Child Health

P-037 Retrospective investigation of congenital cytomegalovirus infection in children with hearing loss

Nishiki Makioka[1], Tomomi Ogata [1], Noriko Sawaura [1], Kazuhiro Muramatu[1], Kyoko Hazama[1], Keiko Tomita[1], Kuniko Ida[1], Miho Kobayashi[1], Tosino Motojima [2], Hirokazu Arakawa [1]

1.Department of Pediatrics,Gunma University of Medicine,Maebashi,Japan 2.Department of Pediatrics,Motojima General Hospital,Ota,Japan

P-038 Monitor of plasma and cord spinal fluid CMV DNA is useful for treatment of congenital CMV infection

Tadayuki Kumagai[1], Hiromichi Ariga[1], Yoshiyuki Namai [1], Toshiko Satou[2], Kouichi Hashimoto[2], Mitsuaki Hosoya[2]

1.Department of Pediatrics,Ohta Nishinouchi Hospital,Koriyama,Japan 2.Department of Pediatrics, Fukushima Medical University School of Medicine,Fukushima,Japan

P-039 13-year-old patient presenting facial pain and vestibular disorders couse of reactivated VZV

Hisashi Tsuru[1], Kenji Watanbae [1], Yuusei Baba [1], Kazuyuki Yotsumata[1]

1. The Pediatric Depertment of Kagoshima City Hospital, Kagoshima, Japan

P-040 Characteristics and Developmental Prognosis of Human Parechovirus Type 3 Infection

Satoshi Takenaka[1], Tadayuki Kumagai [1,2], Mai Anzai[1], Mariko Kasai[1], Yu Watanabe[1], Hiroshi Terashima[1], Masaya Kubota[1]

1.Department of Neurology, National Center for Child Health and Development, Tokyo, Japan 2.Clinical Laboratory Medicine, National Center for Child Health and Development, Tokyo, Japan

P-041 Two Pediatric Cases of group A Coxsackievirus Associated Encephalopathy

Michiko Yamada[1], Chikako Arakawa [1], Sonoko Kubota [1], Emiko Momoki[1], Yuki Kawamura[1], Wakako Ishii[1], Ayumi Fukuda[1], Ryutaro Kohira[1], Yukihiko Fujita [1], Tatsuo Fuchigami [1], Hiroshi Ushijima [2], Thikim Ngan Pham [2], Syori Takahashi [1]

1.Department of Pediatrics and Child Health, Nihon University school of Medicine, Tokyo, Japan 2.Division of Microbiology, Department of Pathology and Microbiology, Nihon University school of Medicine, Tokyo, Japan

P-042 The procedure to take 13 trisomy & 18 trisomy infants from NICU care to home care

Eiko Takada[1], Keiko Mizuta [1], Masanori Tamura [1]

1.The Department of Pediatrics,Saitama Medical Center,Saitama,Japan

P-043 actual condition survey of welfare service for persons with disabilities

Akiko Tamasaki[1], Youko Nishimura [1], Aya Narita [1], Kouyou Oono[1], Susumu Sugihara[1], Yoshiaki Saito[1], Madoka Shiota[2], Yoshihiro Maegaki[1]

1.Division of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan 2.Tottori Prefectural Rehabilitation Center for Children with Disabilities, Yonago, Japan

P-044 Situation of high school students in the disaster area from the view point of their teachers.

Nozomi Hadano[1], Yoshimi Tanaba [1], Mai Habu [1], Mitsuki Togiya[1], Ayako Hamasaki[1], Rina Kiguti[1], Ayako Fujiwara[1], Yuta Koto[1], Emi Furukawa [2], Touko Mori [1], Toshisaburou Nagai [1]

1.Department of Childrens and Womens Health, Course of Health Science, Osaka University Graduate School of Medicine 2.Kio University

P-045 Accessibility of Child Neurology Specialists' Information: An Online Study

Kentaro Okamoto[1], Mitsumasa Fukuda [2]

1.The Department of Pediatrics, Uwajima City Hospital, Ehime, Japan 2.The Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Japan

P-046 Awareness of mothers, childcare workers and pediatricians regarding two-year-old child's daily habit

Yoko Asaka[1], Satoshi Takada [2]

1.Faculty of Health Sciences, Hokkaido University 2.Kobe University graduate school of health sciences

P-047 Survey of the folic acid administration for the female patients with epilepsy.

Yoichiro Kawasaki[1], Syoko Yamauchi [2], Mitsuo Motobayashi [1], Naoko Siba[1], Yuji Inaba[1]

1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan 2.Department of Pediatrics, ASAMA General Hospital, Saku, Japan

P-048 Survival rate in severely disables and clinical features of death in less than 24 hours

Sachiko Onoe[1], Tokuji Kouda [1], Taturou Nobutoki [1], Makoto Watanabe[1]

1.Hirakata General Hospital for Developmental Disorderes

P-049 Nocturnal catheterization for recurrent urinary tract infection in profoundly disabled children

Keitaro Yamada[1], Shunsuke Ogaya [1], Naoko Kurahashi [1], Ayako Umemura[1], Koichi Maruyama[1], Kozaburo Aso[2]

1.Department of Pediatric Neurology, Aichi Prefectural Colony Central Hospital 2.Department of Pediatric Neurology, Aichi Prefectural Colony Kobato gakuen

P-050 Presence of otoacoustic emissions in severe hypoxic-ischemic-encephalopathy with absence of ABR

Akiko Yamamoto[1], Toshihiro Suzuki [1], Yuji Tachioka [1], Yukiko Inage[1], Hitomi Noguchi[1], Shihou Honzawa[1], Hideomi Oota[1], Yasuhiro Arai[1], Tatsuo Masuyama [1], Yuji Iwasaki [1], Kaori Murata [1,2], Makiko Kaga [1]

1.Tokyo Metropolitan Tobu Medical Center for persons with Developmental Multiple Disabilities 2.Kaori children's clinic

P-051 Body composition using DXA for nutritional management in children with severe hypoxic brain damage

Koichi Mizuguchi[1], Masaya Kubota [2]

1.Department of General Pediatrics and Interdisciplinary Medicine, National Center for Child Health and Development, Tokyo, Japan 2.Department of Neurology, National Center for Child Health and Development, Tokyo, Japan

P-052 Using experiences of the new small gastrostomy button for Severely Handicapped Children (Persons)

Yasuko Tokita[1], Norika Kubota [1]

1.Department of Pediatrics, National Hospital Organization Matsue Medical center, Matsue, Japan

P-053 The clinical feature of acute pancreatitis in children with SMID

Shuji Matsui[1], Yumiko Oono [1], Michiko Makino [1], Keiko Wada[1], Mitsunobu Matsuda[1], Keiko Akahoshi[1], Masuko Funahashi[1], Toshihide Shiki[1]

1.The Tokyo Children rehabilitation's hospitai, Tokyo, Japan

P-054 Trial of speaking valve use for preventing aspiration in two patients with tracheostomy

Azusa Oshiro[1], Sadao Nakamura [1], Kunihito Tamashiro [1]

1.University of the Ryukyus, Okinawa, Japan

P-055 Management of laryngotracheal separation without cannula to prevent tracheoinnominate artery fistula

Yoshiko Tanaka[1], Naobumi Endo [2], Chiyoko Nagano [1], Hiroshi Asada[1], Soichiro Tanaka[3], Yohji Sasahara[3], Junko Kanno[3], Ikuko Ohshima[4]

1.Department of Pediatrics, Japanese Red Cross Sendai Hospital, Sendai, Japan 2.Department of Pediatric Surgery, Japanese Red Cross Sendai Hospital, Sendai, Japan 3.Department of Pediatrics,University of Tohoku, Sendai, Japan 4.Depertment of Pediatrics, National Organization Miyagi Hospital, Watari gun, Japan

P-056 The effectiveness of nasal high-flow in cerebral palsies with respiratory insufficiency

Ikuko Hiejima[1], Tomohiro Kumada [1], Kanako Maizuru [1], Anri Hayashi[1], Humihito Nozaki[1], Atushi Yokoyama[1], Minoru Shibata[1], Tatuya Hujii[1]

1.Shiga Medical Center for Children

P-057 One case of XLAG which had trouble with nourishment management

Hirotaka Motoi[1], Yu Fujiwara [1], Yoshihiro Watanebe [1], Saoko Takeshita[1], Mitsuhiro Kato[2]

1.Department of Pediatrics,Yokohama City University Medical center,Yokohama,Japan 2.Department of Pediatrics,Yamagata University,Yamagata,Japan

P-058 Sibling of congenital disorders of glycosylation with MAN1B1 gene mutation

Tatsuyuki Ohto[1], Takashi Enokizono [1], Ryuta Tanaka [1], Masayuki Sasaki[2], Isao Yuasa[3], Kohsaku Ohno[4], Nobuhiko Okamoto[5]

1.The Department of Pediatrics, University of Tsukuba, Tsukuba, Japan 2.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan. 3.Division of Legal Medicine, Faculty of Medicine, Tottori University, Yonago, Japan 4.Department of Pediatrics, Sanin Rosai Hospital, Yonago, Japan 5.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

P-059 A case of Zellweger syndrome with non-convulsive seizures

Aoki Yusuke[1], Motomasa Suzuki [1], Atsuko Ohno [1], Kazuya Itomi[1], Nobuyuki Shimozawa[2]

1.Department of Pediatric Neurology, Aichi Children's Health and Medical Center 2.Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

P-060 Central hypothyroidism with intellectual deterioration in 15 years old girl

Shiho Honzawa[1], Toshihiro Suzuki [1], Yukiko Inage [1], Hitomi Noguchi[1], Yasuhiro Arai[1], Hideomi Ota[1], Tatsuo Masuyama[1], Yuji Iwasaki[1], Masataka Arima [1], Makiko Kaga [1]

1.Tokyo Metropolitan Tobu Medical Center for persons with developmental/multiple disabilities, Tokyo,Japan

P-061 Clinical Research for Inherited Glycosylphosphatidylinositol Deficiency in Osaka University

Junpei Tanigawa[1,3], Kanako Kishimoto [1,3], Sanae Yamazaki [0], Yoshiko Iwatani[1,2,3], Kouji Tominaga[0], Kuriko Shimono[0], Shin Nabatame[0], Yoshiko Murakami[5], Taroh Kinoshita [5], Toshisaburoh Nagai [4], Keiichi Ozono [1,3]

1.Department of Pediatrics, Graduate School of Medicine, Osaka, Japan 2.United Graduate School of Child Development, Osaka University, Osaka, Japan 3.Osaka University Hospital Epilepsy Center, Osaka, Japan 4.Child Health Science, Department of Children's and women's Health, Area of Nursing Science, Course of Health Science, Graduate School of Medicine, Osaka University, Osaka, Japan 5.Research Institute for Microbial Diseases and World Premier International Immunology Frontier Research Center, Osaka University

P-062 Is 12-minute walk test applicable for outcomes assessment in McArdle disease?

Naoko Shiba[1], Shoko Yamauchi [1], Yoichiro Kawasaki [1], Mitsuo Motobayashi[1], Hirokazu Genno[2], Akinori Nakamura[3], Yuji Inaba[1]

1.Department of Pediatrics Shinshu University School of Medcine,Matsumoto, Japan 2.KISSEI COMTEC Co., Ltd., Matsumoto, Japan 3.Intractable Disease Care Center, Shinshu University Hospital, Matsumoto, Japan

P-063 Massive hemobilia in metachromatic leukodystrophy

Mondo Kuroda[1], Ayano Yokoi [1], Hiroyasu Nakagawa [2], Yusuke Mitani[1], Natsumi Inoue[3], Akira Sato[1], Yasuhiro Ikawa[1], Yo Niida[3], Akihiro Yachie [1]

1.Department of Pediatrics, Institute of Medical, Pharmaceutical and Health Sc iences, Kanazawa University, Ishikawa, Japan 2.Department of Pediatrics, Asanogawa Gereral Hospital, Ishikawa, Japan 3.Center for Medical Genetics, Kanazawa Medical University Hospital, Uchinada, Japan

P-064 Neuronal involvement in infantile-onset Pompe disease

Yasuo Hachiya[1], Syunpei Uchino [1], Ikuko Shirai [1], Konomi Shimoda[2], Atsushi Satou[1], Eiji Kurihara[1], Satoko Kumada[1]

1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan 2.Department of Pediatrics, Graduate school of Medicine, University of Tokyo, Tokyo, Japan.

P-065 A first case report of CLN8 mutation in late infantile neuronal ceroid lipofuscinosis in Japan

Yu Katata[1], Mitsugu Uematsu [1], Hiroki Sato [1], Sato Suzuki[1], Tojo Nakayama[1], Yuki Kubota[1], Tomoko Kobayashi[1], Naomi Hukuyo[1], Hirotomo Saitsu [2], Shigeo Kure [1]

1.Department of Pediatrics, University of Tohoku, Sendai, Miyagi, Japan 2.Department of genetics, Yokohama City University, Yokohama, Kanagawa, Japan

P-066 A case of Fabry disease with cervical spondylosis improved by enzyme replacement therapy

Takako Matsumoto[1], Toshirou Maihara [1]

1.The Department of Pediatrics, Hyogo Prefectural Tsukaguchi Hospital, Hyogo, Japan

P-067 Neonatal Gene Therapy of MPS VII Mice using Lentiviral Vector improved Behavior Deficits

Masamichi Ariga[1,2], Hiroshi Kobayashi [1,2], Yohota Shimada [2], Yoshikatsu Eto[3], Hiroyuki Ida[1], Toya Ohashi[3]

1.Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan 2.Division of Gene Therapy, Research Center for Medical Science, The Jikei University School of Medicine, Tokyo, Japan 3.Advanced Clinical Reseach Center, The Southern Tohoku Brain Reseach Institute, Kanagawa, Japan

P-068 A Case og Segawa's Disease with CGH1 Gene mutation

Tsuyoshi Sasaki[1], Haruo Shintaku [2]

1.Pediatrics, Mitoyo General Hospital, Kannonnji, Japan 2.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

P-069 Clinical manifestation of beta-ureidopropionase deficiency patient with epilepsy and autism

Kaoru Eto[1], Masako Sakauchi [1], Satoru Nagata [1]

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

P-070 A severe respiratory distress requiring tracheostomy in infant with Pelizaeus-Merzbacher disease.

Ayako Ueda[1], Yasunori Koike [1], Yukari Yada[1], Yumi Kono[1], Hiroko Shimbo[2], Hitoshi Osaka[1], Takanori Yamagata[1]

1.Dept. of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Dept. of Pediatrics, Kanagawa Childrens Medical Center, Kanagawa, Japan

P-071 The Study of Cerebral Creatine deficiency Syndromes in Japan

Takahito Wada[1], Hitoshi Osaka [2], Noriko Aida [3], Tomohide Goto[4], Yuu Tsuyusaki[4], Hiroko Shimbo[4], Hidekazu Kato[5], Kyoko Takano[6], Sumio Ohtsuki [7], Shingo Itoh [7], Masanori Tachikawa [8], Yuko Kurosawa [9]
1.The department of Medical Ethics/ Medical genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan 2.Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan 3.Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan 4.Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 5.Kanagawa Psychiatric Center, Yokohama, Japan 6.Department of Medical Genetics/ Preventive Medicine, Shinshu University School of Medicine, Matsumoto, Japan 7.Department of Pharmaceutical Microbiology, Faculty of Sciences, Kumamoto University, Kumamoto, Japan 8.Department of membrane transport and drug targeting laboratory, Tohoku University Graduate school of Pharmacoceutical Science, Sendai, Japan 9.Department of Sport and Health Science, Ritusmeikan University, Kusatsu, Japan 10.

P-072 Cimetidine therapy for the intermittent fever in Aicardi-Goutieres syndrome: a case report

Ayako Kashimada[1], Hisako Ishiwata [1], Koji Takahashi [1], Tomohiro Nomura[1], Kengo Moriyama[1], Shimpei Baba[1], Keisuke Nakajima[1], Setsuko Hasegawa[1], Kei Murayama [2], Ryuta Nishikomori [3], Yuji Sugawara [1]
1.The Pediatric and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan 2.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan 3.Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto, Japan

P-073 MRI views in"Infantile-onset leukoencephalopathy with high lactate level and slow improvement"

Hironori Sato[1], Katsunori Fujii [1], Mayuko Fujita[1], Hajime Ikehara[1], Hiromi Mizuoti[1], Tadashi Shiohama[1], Naoki Simojyo[1]
1.Department of Pediatrics, Gradiate School of Medicine, Chiba University, Chiba, Japan

P-074 Efficacy and safety of veru-low-dose betametasone therapy in ataxia telagiectasia

Setsuko Hasegawa[1,2], Satoko Kumada [3], Takeshi Hasegawa [4], Takatoshi Hosokawa[5], Mitsugu Uematsu[6], Akio Fujine[7], Ikuko Shirai[3], Hisako Ishiwata[2], Ayako Kashimada [2], Masatoshi Takagi [2], Yuji Sugawara [2]
1.Tokyo-Kita Medical Center, Tokyo, Japan 2.Department of Pediatrics and Developmental Biology, Tokyo Medical and Dental University, Tokyo, Japan 3.Department of Pediatric Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan 4.Soka Municipal Hospital, Soka, Japan 5.Kochi University, Nankoku, Japan 6.Tohoku University, Sendai, Japan 7.Fukui Prefectural Hospital, Fukui, Japan

P-075 5 cases in patients with early childhood onset DRPLA (Dentatorubal-Pallidoluysian Atrophy)

Kazuya Itomi[1], Motomasa Suzuki[1], Atsuko Ohno [1], Yuusuke Aoki[1], Atsushi Imamura[2]
1.The Department of Neurology, Aichi Children's Health and Medical Center, Obu, Japan 2.The Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan

P-076 A family case of spinocerebellar ataxia type29.

Tatsuharu Sato[1], Satoshi Watanabe [1,2], Nanako Nishiguchi [1], Daishi Inoue[1], Kiyoko Watanabe[1], Yoshiaki Watanabe[1], Koh-Ichiro Yoshiura[2], Hiroyuki Moriuchi[1]
1.Tnhe department of Pediatrics, Nagasaki University Hospital 2.Department of Human Genetics,ATOMIC BOMB DISEASE INSITUTE,Nagasaki University

P-077 aCGH assay for 45 samples with multiple congenital anomaly and/or developmental delay.

Tomonari Awaya[1], Takeo Kato [1], Masatoshi Nakata [1], Keiko Saito[1], Takeshi Yoshida[1], Minako Ide[1], Tomotaka Komori[2], Toshiro Maihara[3], Tomohiro Kumada [4], Tatsuya Fujii [4], Toshio Heike [1]
1.Department of Pediatrics, Kyoto University Hospital, Kyoto, Japan 2.Department of Pediatrics, Japanese Red Cross Daiichi Hospital, Kyoto, Japan 3.Department of Pediatrics, Hyogo Prefectural Tsukaguchi Hospital, Hyogo, Japan 4.Shiga Medical Center for Children, Shiga, Japan

P-078 Diagnosis of copy number variation by array-CGH:our recent experience

Takao Hoshina[1], Toshiyuki Seto [1], Kanako Yamashita [1], Shino Taniguchi[1], Taeka Hattori[1], Satoru Sakuma[1], Takashi Hamazaki[1], Haruo Shintaku[1], Toshiyuki Yamamoto [2]
1.Department of Pediatrics, Osaka City University Graduate School of Medicine,Osaka,Japan 2.Tokyo Women's Medical University Institute for Integrated Medical Sciences,Tokyo,Japan

P-079 Comprehensive methylation analysis of multilocus imprinted DMRs in Beckwith-Wiedemann syndrome

Toshiyuki Maeda[1], Kosuke Jozaki [2], Hitomi Yatsuki [2], Ken Higashimoto[2], Muneaki Matsuo[1], Hidenobu Soejima[2]
1.Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan 2.Division of Molecular Genetics and Epigenetics, Department of Biomolecular Sciences, Faculty of Medicine, Saga University, Saga, Japan

P-080 Clinical efficacy of comprehensive genomic analysis in diagnosis of cryptogenic West syndrome

Atsuo Kikuchi[1], Naomi Hino-Fukuyo [1], Natsuko Arai-Ichinoi [1], Tetsuya Niihori[2], Ryo Sato[1], Kudo Hiroki[1], Yuko Sato[1], Tojo Nakayama[1], Yosuke Kakisaka [3], Yuki Kubota [1], Tomoko Kobayashi [1,4], Mitsugu Uematsu [1], Yoko Aoki [2], Kazuhiro Haginoya [5], Shigeo Kure [1]
1.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan 2.Department of Medical Genetics, Tohoku University School of Medicine, Sendai, Japan 3.Department of Epileptology, Tohoku University School of Medicine, Sendai, Japan 4.Division of Genomic Medicine Support and Genetic Counseling, Department of Education and Training, Tohoku Medical Megabank Organization (ToMMo), Tohoku University, Sendai, Japan 5.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan

P-081 Genetic analysis in patients with intellectual disability

Miki Asahina[1], Yoshifumi Miyagi [1], Hidetoshi Ishigaki [1], Tomoko Matsubayashi[1], Tokiko Fukuda[1]
1. Department of pediatrics, Hamamatsu university school of medicine, Hamamatsu, Japan

P-082 Modeling genetic microcephaly with efficient cellular and zebrafish systems

Tojo Nakayama[1,2], Almundher Al-Maawali [1,2,3], Malak El-Quessny [0], Klaus Schmitz-Abe[1,2], R. Sean Hill[0], Jennifer N. Partlow[0], Michael E. Coulter[0], Princess C. Elhosary[0], Kyriacos Markianos [0], Annapurna Poduri [4], Ganeshwaran H. Mochida [1,2,5]

1.Division of Genetics and Genomics, Department of Medicine, Boston Children's Hospital, Boston, MA, USA 2.Manton Center for Orphan Disease Research, Boston Children's Hospital, Boston, MA, USA 3.Howard Hughes Medical Institute, Boston Children's Hospital, Boston, MA, USA 4.Department of Neurology, Boston Children's Hospital, Boston, MA, USA 5.Department of Neurology, Boston Children's Hospital, Boston, MA, USA

P-083 Association of carnitine palmitoyltransferase 2 gene polymorphism and febrile seizuresusceptibility

Yoshito Ishizaki[1], Yasunari Sakai [1], Masafumi Sanefuji [1], Sooyoung Lee[1], Michiko Torio[1], Toshiro Hara[1]

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

P-084 The analysis of hedgehog pathway in human fibroblasts derived from Gorlin syndrome patients.

Hiromi Mizuochi[1], Katsunori Fujii [1], Tadashi Shiohama [1], Hideki Uchikawa[1], Naoki Shiojo[1]

1.The Department of Pediatrics, Graduate school of Medicine, Chiba University, Chiba, Japan

P-085 Scintigraphy in the diagnosis of complications of intrathecal baclofen therapy: report of 3 cases

Hiroshi Terashima[1], Akiko Shibata [1], Mariko Kasai [1], Yu Watanabe[1], Hirofumi Kashii[1], Natsu Sasaki[2], Hideki Ogiwara[2], Nobuhito Morota[3], Masayuki Kitamura [4], Masaya Kubota [1]

1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan 2.Division of Neurosurgery, National Center for Child Health and Development, Tokyo, Japan 3.Division of Neurosurgery, Tokyo Metropolitan Childrens Medical Center, Tokyo, Japan 4.Division of Radiation Oncology, National Center for Child Health and Development, Tokyo, Japan

P-086 A case of hemophiliac presented with subdural hemorrhage associated with cerebral infarction

Kayo Koga[1], Nobuyasu Ono [1], Yoshiyasu Ogata [2], Muneaki Matsuo[2]

1.Department of pediatrics, NHO Ureshino Medical center, SAGA, Japan 2.Department of pediatrics, University of Saga, SAGA, Japan

P-087 Different phenotypes of Moyamoya disease in a familial case with a heterozygous variant in RNF213

Takeshi Inoue[1,2], Hisashi Itabashi [1], Keiichi Shimamura [1], Nobuyuki Murakami[1], Ryoichi Sakuta[2]
1.The Development of Pediatrics, Dokkyo medical university Koshigaya Hospital, Saitama, Japan 2.Center for child development and psychosomatic, Dokkyo medical university Koshigaya hospital

P-088 Accelerated onset of moyamoya syndrome in a Down syndrome patient with RNF213 p.R4810K variant

Pinfee Chong[1,2], Ryoko Nakamura [1], Osamu Matsukura [1], Kohei Haraguchi[1], Reina Ogata[1], Ryutaro Kira[1]

1.Department of Pediatric Neurology, Fukuoka Children's Hospital 2.Deparment of General Pediatrics, Fukuoka Children's Hospital 3. 4. 5. 6. 7. 8. 9. 10.

P-089 An infant case of Moyamoya disease with recurrent cerebral infarction.

Takao Morimune[1,2], Jun Matsui [1], Noriko Nishikura [1], Seiichiro Yoshioka[1], Tomoyuki Takano[1], Yoshihiro Takeuchi[1]

1.Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan 2.Department of Pediatrics, Omihachiman Community Medical Center, Shiga, Japan 3. 4. 5.

P-090 One case of the Moyamoya disease of unique progress

Kuniko Ida[1,2], Toshino Motojima [3], Kazuhiro Muramatu [2], Noriko Sawaura[2], Keiko Tomita[2], Nishiki Makioka[2], Tomomi Ogata[2], Kyouko Hazama[2], Miho Kobayashi [2], Hirokazu Arakawa [2]

1.Isesaki Municipal Hospital 2.Department of pediatric,Gunma University,Graduate School of medicine,Gunma Japan 3.Motojima General Hospital

P-091 A 5-year-old boy of reversible cerebral vasoconstriction syndrome with polycystic kidney disease

Genrei Ohta[1], Masao Kawatani [1], Hiroshi Kometani [2], Kazuhisa Watanabe[1], Yuuko Isozaki[1], Yasunori Ishihara[3], Yusei Ohshima[1]

1.Department of Pediatrics, Faculty of Medicine, University of Fukui, Fukui, Japan 2.Pediatrics, Houju Memorial Hospital, Ishikawa, Japan 3.Pediatrics, Fukui Aiiku Hospital, Fukui, Japan

P-092 A case of fibrocartilaginous embolism

Genkichi Izumi[1], Kyoko Hoshino [1], Hiroshi Ohba [2]

1.Department of Pediatrics, National Hospital Organization Minamiwakayama Medical Center, Tanabe, Japan 2.Department of Radiology, Teikyo University, Tokyo, Japan

P-093 A case report of MELAS with dilatation of middle cerebral artery in acute phase.

Atsushi Takagi[1], Miki Ueda [1], Hanako Tajima [1], Jyuri Ogawa[1], Yasuhiko Ito[1]

1. Department of Pediatrics, Nippon Medical School, Tokyo, Japan

P-094 Desmoplastic Infantile Astrocytoma with Head-tilting and Enlarging Head Size

Tasuku Takadera[1], Yoshihiro Aoki [1], Riu Honma [1], Tatsuya Nishimura[1], Yuuichi Kubo[1], Yukie Arahata[1], Hironobu Kobayashi[1], Masayoshi Senda[1], Katsuhiko Kitazawa [1], Akihito Honda [1], Takeya Suzuki [2], Shigeru Ooya [2], Kenji Ooe [3], Yoshio Suzuki [3], Katsunori Fujii [4]

1.Department of Pediatrics, Asahi General Hospital, Chiba, Japan 2.Department of Neurosurgery, Asahi General Hospital, Chiba, Japan 3.Department of Pathology, Asahi General Hospital, Chiba, Japan 4.Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan

P-095 Analysis about bone density change in Duchenne muscular dystrophy

Seiko Itomi[1], Rie Suzuki [1], Souichi Mukaida [1], Kazuhiro Shiraishi[1]

1.The Department of Pediatric Neurology, National Hospital Organization Utano National Hospital, Kyoto, Japan

P-096 Hypocarnitinemia in Duchenne muscular dystrophy

Akiko Wakisaka[1], Takanori Tsuji [1], Shinya Yamada [1], Ichiroh Ohno[1], Nami Nakamura[1], Keiko Maruhashi[1], Hidetoshi Seki[1]

1.Department of Pediatrics,National Hospital Organization Iou Hospital,Kanazawa,Japan

P-097 Anti-inflammatory therapy for exacerbation of heart failure in Duchenne muscular dystrophy

Mamiko Tachikawa[1], Ikumi Hori [1], Ayako Hattori [1], Naoki Ando[1], Shinji Saitoh[1]

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

P-098 Examination of respiratory functions at NPPV initiation in patients with Becker muscular dystrophy

Yuko Nakamura[1], Norika Kubota [1], Yasuko Tokita [1], Yoshihiro Maegaki[2]

1.Pediatrics,National Hospital Organization Matsue Medical Center,Shimane,Japan 2.The Department of Child Neurology,Tottori University,Tottori,Japan

P-099 Characteristics of autistic behavior in patients with dystrophinopathies

Haruo Fujino[1], Toshio Saito [2], Tsuyoshi Matsumura [2], Saki Shibata[1], Yuko Iwata[1], Harutoshi Fujimura[2], Osamu Imura[1]

1.Graduate School of Human Sciences, Osaka University, Osaka, Japan 2.Department of Neurology and Child Neurology, National Hospital Organization Toneyama National Hospital, Osaka, Japan

P-100 Various Aspects of Medical Follow up in Emery-Dreifuss Muscular Dystrophy

Toshino Motojima[1,2], Taku Omata [1], Yukiko Hayashi [3], Yuzo Tanabe[1], Ichizou Nishino[4], Katsunori Fujii[0]

1.The Department of Neurology, Chiba Children's Hospital, Chiba, Japan 2.The Department of Pediatrics, Motojima General Hospital, Gunma, Japan 3.The Department of Neurophysiology, Tokyo Medical University, Tokyo, Japan 4.The Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan 5.The Department of Pediatrics, Chiba University, Chiba, Japan

P-101 A pilot study of rsveratrol for muscular dystrophy: Interim report

Kentaro Kawamira[1], Shinobu Fukumura [1], Koki Nikaido [1], Nobutada Tachi[1], Shin Hisahara[2], Shun Shimohama[2], Naoki Kozuka[3], Atsushi Kuno[4], Yoshiyuki Horio [4], Hiroyuki Tsutsumi [1]

1.Department of Pediatrics, Sapporo Medical Universiy, Sapporo, Japan 2.Department of Neurology, Sapporo Madica University, Sapporo, Jaan 3.Department of Physical Therapy School of Health Sciences, Sapporo Medical University, Sapporo, Japan 4.Department of Pharmacology School of Medicine, Sapporo Medical University, Sapporo, Japan

P-102 Severe hypocarnitinemia caused by 3 days treatment with antibiotics containing pivalic acid in FCMD

Masanori Ito[1], Mitsumasa Fukuda [1], Yuka Suzuki [2]

1.Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan. 2.Ehime Rehabilitation Center for Children, Toon, Ehime, Japan.

P-103 The importance to support high school life of a girl with refractory generalized myasthenia gravis

Kazuko Kishi[1], Jun Mine [1], Momoko Yokoyama [1], Yuki Hasegawa[1], Seiji Yamaguchi[1]

1.The Department of Pediatrics, Shimane Medical University, Isumo, Japan

P-104 A case of myasthenic crisis requiring mechanical ventilation with difficulties in extubation

Chinami Yamasaki[1], Nobuyoshi Sugiyama [1], Mariko Ikegami [0], Jyun-Ichi Yokoyama[1], Yoshihumi Murayama[1], Shin-Ichi Matsuda[1], Yoshihiro Miyashita[1]

1.The Department of Pediatrics, Tokai University School of Medicine, Kanagawa, Japan 2.Department of Pediatrics, Tokai University School of Medicine Hachioji Hospital, Tokyo, Japan

P-105 Effectiveness of tacrolimus for pediatric myasthenia gravis.

Moe Ito[1], Yu Fujiwara [1], Hirotaka Motoi [1], Yoshihiro Watanabe[1], Saoko Takeshita[1], Atsuo Nezu[1]

1.Department of Pediatrics,Yokohama City University Medical Center,Yokohama,Japan 2.Yokohama Residential Care and Medical Center for Developmentally Disabled Person

P-106 Successful treatment of 5 children with ocular myasthenia gravis using tacrolimus

Kaori Muta[1], Taku Omata [1], Kazuo Kodama [1], Yukiko Iida[1], Yoshimi Watanabe[1], Toshino Motojima[2], Yuzo Tanabe[2]

1.Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan 2.Pediatrics, Motojima General Hospital, Gunma, Japan 3.Soga Children's Clinic, Chiba, Japan

P-107 A case of myasthenia gravis presenting with bulbar paralysis as initial symptom.

Keiko Watanabe[1], Mutsumi Sato [1], Rie Anzai [1], Yu Tsuyusaki[1], Kazushi Ichikawa[1], Mizue Iai[1], Sumimasa Yamashita[1], Tomohide Goto[1]

1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan

P-108 Analysis of immunological profile in childhood-onset myasthenia gravis

Mitsuo Motobayashi[1], Takafumi Nishimura [2], Syoko Yamauchi [3], Yoichiro Kawasaki[1], Naoko Shiba[1], Yuji Inaba[1]

1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan 2.Department of Pediatrics, National Hospital Organization Matsumoto Medical Center, Matsumoto, Japan 3.Department of Pediatrics, Asama General Hospital, Saku, Japan

P-109 Review of the cases discussed in Japan Pediatric Myasthenia Gravis Study Group.

Yuji Inaba[1,2], Masatoshi Hayashi [2,3], Sumimasa Yamashita [2,3], Masaharu Hayashi[2,5], Keiko Ishigaki[2], Katsunori Fujii[5], Yoshiko Nomura[6], Masaya Segawa[7]

1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan 2.Japan Pediatric Myasthenia Gravis Study Group, Japan 3.Uwajima City Hospital, Uwajima, Japan 4.Dept. of Child Neurology Kanagawa Chidren's Medical Center, Yokohama, Japan 5.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 6.Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan 7.Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan 8.Segawa Neurological Clinic for Children, Tokyo, Japan

P-110 An infant case of Guillain-Barre syndrome after Cytomegalovirus infection in a 3 years old boy

Takuzo Marukane[1], Masayuki Ishihara [1], Takatoshi Hosokawa [1], Yasushi Osaki[2], Mikiya Fujieda[1]

1.Department of Pediatrics, Kochi Medical School, Kochi University, Kochi, Japan. 2.Department of Geriatrics, Cardiology and Neurology, Kochi Medical School, Nankoku, Japan.

P-111 A case of Guillain-Barre syndrome with meningeal irritating sign.

Yuka Ashikari[1], Yoshifumi Mizuno [1], Akiko Yokoi [1], Satoru Kobayashi[1]
1. Nagoya City West Medical Center

P-112 Good efficacy of Stiripentol in two adolecent Dravet Syndrome

Satoko Koga[1], Atsushi Araki [1], Kazunari Kaneko [1], Atsushi Ishii[2], Shinichi Hirose[2]

1.Kansai Medical University, Department of Pediatrics 2.Fukuoka University, Department of Pediatrics

P-113 Efficacy of Topiramate for Dravet syndrome

Yoshiko Iwatani[1,2,4], Kanako Kishimoto [1,4], Junpei Tanigawa [1], Sanae Yamazaki[1,4], Koji Tominaga[1], Shin Nabatame[2], Kuriko Shimono[3], Toshisaburou Nagai[3], Keiichi Ozono [4]

1.Department of pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan 2.United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan 3.Osaka University Graduate School of Medicine, Division of Health Sciences, Osaka, Japan 4.Osaka University Hospital Epilepsy Center, Osaka, Japan

P-114 Treatment of Severe Myoclonic Epilepsy of Infancy : our experiences

Keiji Soebijanto[1], Yuji Mizuno [1], Momoko Sasazuki [0]

1.Department of Pediatrics, Fukuoka Higashi Medical Center, Fukuoka, Japan 2.Department of Pediatrics, Kyushu University Hospital, Fukuoka, Japan

P-115 Maternal somatic mosaicism of SCN1A mutation in sibling patients with Dravet syndrome.

Takahiro Yamamoto[1,2], Hidenori Ohnishi [2], Kenji Orii [0], Hideo Sasai[2], Takeshi Kimura[2], Minako Kawamoto[2], Norio Kawamoto[2], Satoko Nishimura[1], Yukitoshi Takahashi [4], Atsushi Ishii [5], Shinichi Hirose [5], Zenichiro Kato [2,6], Toshiyuki Fukao [2]

1.Department of Disability Medicine, Graduate School of Medicine, Gifu University, Gifu, Japan 2.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan 3.Neonatal Intensive Care Unit, Gifu University Hospital, Gifu, Japan 4.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan 5.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan 6.United Graduate School of Drug Discovery and Medical Information Sciences, Gifu University, Gifu, Japan

P-116 Video-EEG study of seizures in 2 cases with Malignant migrating partial seizures in infancy

Aiko Nishikawa[1], Hirokazu Oguni [1], Susumu Ito [1], Satoru Nagata[1]

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

P-117 Clinical profile and EEG findings of four children with migrating partial seizure

Kazuo Okanari[1], Tomoki Maeda [1], Shin-Ichi Uchiyama [1], Kazuto Sekiguchi[1], Hiroshi Yamada[1], Hiroaki Miyahara[1], Seigo Korematsu[1]
1. Department of Pediatrics, Faculty of Medisine, Oita University, Oita, Japan

P-118 A case of migrating partial seizures in infancy with Muenke syndrome

Yukimune Okubo[1], Taro Kitamura [2], Wakaba Endo [1], Takehiko Inui[1], Hirotomo Saitsu[3], Naomichi Matsumoto[3], Kazuhiro Haginoya[1]

1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Miyagi, Japan 2.Division of Pediatrics, Sendai City Hospital, Sendai, Miyagi, Japan 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-119 A case of malignant migrating partial seizures of infancy with KCNT1 mutation

Yuh Fujiwara[1], Hirotaka Motoi [1], Yoshihiro Watanabe [1], Saoko Takeshita[1], Tatsuo Mori[2], Katsumi Imai[2], Hirotomo Saitsu[3]

1.YOKOHAMA CITY UNIVERCITY MEDICAL CENTER,YOKOHAMA,JAPAN 2.SHIZUOKA INSTITUTE OF EPILEPSY AND NEUROLOGICAL DISORDERS,SHIZUOKA,JAPAN 3.YOKOHAMA CITY UNIVERCITY GRADUATE SCHOOL OF MEDICINE ,YOKOHAMA,JAPAN

P-120 Study of early clinic-electrical features in 6 patients with PCDH19 related epilepsy

Yui Otani[1,2], Susumu Ito [1], Aiko Nishikawa [1], Masako Sakauchi[3], Hirokazu Oguni[1], Satoru Nagata[1]

1.Tokyo Women's Medical University, Tokyo, Japan 2.Matsudo clinic 3.Sakauchi clinic

P-121 Two cases of atypical Aicardi syndorome

Shigehiro Nagai[1], Tomoko Kirino [1], Yumi Fujihara [1], Sizuka Matuoka[1], Shoichi Endo[1]

1.Shikoku Medical Center for Children and Adults

P-122 Clinical findings of epileptic encephalopathy with suppression-burst pattern

Hideshi Kawashima[1], Jun Tohyama [1], Noriyuki Akasaka [1], Yu Kobayashi[1], Shinichi Magara[1], Sawako Yamazaki[2]

1.Nishi-Niigata Chuo National Hospital, Niigata, Japan 2.Niigata City General Hospital

P-123 Efficacy of Rufinamide for intractable epilepsy including Lennox-Gastaut syndrome

Yu Watanabe[1], Tadayuki Kumagai [1], Mai Annzai [1], Satoshi Takenaka[1], Mariko Kasai[1], Hiroshi Terashima[1], Masaya Kubota[1]

1. Division of neurology, National Center for Child Health and Development, Tokyo, Japan

P-124 Prognosis associated treatment lag of infantile spasms with Down syndrome

Yukiko Iida[1], Taku Omata [1], Yoshimi Watanabe [1], Kazuo Kodama[1], Kaori Muta[1]

1.The Division of Neurology, Chiba Childrens Hospital, Chiba, Japan

P-125 Long-term neurodevelopmental prognosis compared by ACTH doses in patients with West syndrome

Reiko Koichihara[1], Yugi Kumagai [2], Yuko Hirata [2], Atsuko Oba[2], Kenjiro Kikuchi[2], Manabu Tanaka[1], Motoyuki Minamitani[2], Shin-Ichiro Hamano[2]

1.Division of health care and child development, Saitama Children's Medical Center, Saitama, Japan 2.Division of Neurology, Saitama Children's Medial Center, Saitama, Japan

P-126 Remission of West syndrome who used tacrolimus after liver transplantation for protein C deficiency

Mariko Kasai[1], Masatoshi Matsunami [2], Seiichiro Yoshioka [3], Tadayuki Kumagai[1], Mai Anzai[1], Satoshi Takenaka[1], Yuu Watanabe[1], Hiroshi Terashima[1], Akinari Hukuda [2], Mureo Kasahara [2], Masaya Kubota [1]

1.National Center for Child Health and Development, Tokyo, Japan 2.National Center for Child Health and Development, Tokyo, Japan 3.Shiga University of Medical Science Hospital, Shiga, Japan

P-127 Retrospective study of the prognosis of West syndrome in our hospital

Shinsuke Maruyama[1,2], Yoshifumi Kawano [1]

1.Department of Pediatrics, Kagoshima University, Kagoshima, Japan 2.Epilepsy center, Kagoshima University Medical and Dental Hospital, Kagoshima, Japan

P-128 Vigabatrin efficacy for West syndrome in tuberous sclerosis complex: a report on three cases

Kengo Moriyama[1], Mio Watanabe [1], Takashi Shiihara [1], Yu Kobayashi[2], Noriyuki Akasaka[2], Jun Tohyama[2], Kenjiro Kikuchi[3], Shinichiro Hamano[3]

1.Department of Neurology, Gunma Childrens Medical Center, Gunma, Japan 2.Department of Pediatrics, Epilepsy Center, Nishi-Niigata Chuo National Hospital 3.Department of Pediatric Neurology, Saitama Childrens Medical Center

P-129 NMDA type GluR antibody in CSF in children with West syndrome.

Tatsuo Mori[1], Yukitoshi Takahashi [1], Nami Araya [1], Daikan Oboshi[1], Akito Watanabe[1], Kazuki Tsukamoto[1], Tokito Yamaguchi[1], Shinsaku Yoshitomi[1], Hirosato Nasu [1], Hiroko Ikeda [1], Hideyuki Otani [1], Katsumi Imai [1], Hideo Shigematsu [1], Yushi Inoue [1]

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

P-130 Efficacy of rufinamide for Lennox-Gastaut syndrome at my hospital

Sanae Yamazaki[1], Kanako Kishimoto [1,4], Jyunpei Tanigawa [1], Michiko Shinpou[1,4], Yoshiko Iwatani[1], Kouji Tominaga[1], Shin Nabatame[1], Kuriko Shimono[1], Norio Sakai [1], Toshisaburou Nagai [1,3,4], Keiichi Oozono [1,4]

1.Department of pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan 2.United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan 3.Child Health Science, Department of Children's and women's Health, Area of Nursing Science, Course of Health Science, Osaka University Graduate School of Medicine, Osaka, Japan 4.Osaka University Hospital Epilepsy, Osaka, Japan

P-131 Two cases of protein-losing enteropathy caused by rufinamide in Lennox-Gastaut syndrome

Takako Fujita[1], Eri Kawatani [1], Yuko Tomonoh [1], Yukiko Ihara[1], Takeshi Kanaumi[1], Hiroshi Ideguchi[1], Takahito Inoue[1], Shinichi Hirose[1], Sawa Yasumoto [1]

1.Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan

P-132 Clinical features of post-encephalopathic epilepsy

Satoko Harada[1], Nozomi Hirai [1], Yuri Shirato [2], Ayako Muto[1], Junichi Takanashi[1], Kitami Hayashi[2]

1.Department of Pediatrics, Yachiyo Medical Center, Tokyo Women's Medical University, Chiba, Japan 2.Department of Development of Pediatrics, Yachiyo Medical Center, Tokyo Women's Medical University, Chiba, Japan

P-133 The study of hypercapnia and duration time of seizure in ferible convulsions

Hideaki Mashimo[1], Shoko Kanda [1], Kan Takahashi [1]

1.Oume Municipal General Hospital

P-134 Clinical features of patients examined EEG after febrile convulsion

Mariko Ikegami[1,2], Nobuyoshi Sugiyama [2]

1.Tokai University Hachioji Hospital, Tokyo, Japan 2.Department of Pediatrics, Tokai University, Kanagawa, Japan

P-135 Surface makers of lymphocytes in CSF Rasmussen syndrome & Epilepsy after encephalitis

Kazuki Tsukamoto[1], Yukitoshi Takahashi [1], Nami Araya [1], Tatsuo Mori[1], Taikan Oboshi[1], Shinsaku Yoshitomi[1], Akito Watanabe[1], Tokito Yamaguchi[1], Hirosato Nasu [1], Hideyuki Otani [1], Hiroko Ikeda [1], Katsumi Imai [1], Hideo Shigematsu [1], Yushi Inoue [1]

1. Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka,Japan

P-136 A case of rapid-progressive bilateral Rasmussen's encephalitis

Kazuyuki Nakamura[1], Nobuya Takahashi [1], Tadashi Onoda [1], Akiyoshi Kakita[2], Yukitoshi Takahashi[3], Nobuo Honma[4], Tetsuo Mitsui[1], Mitsuhiro Kato[1]

1.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 2.Department of Pathology, Brain Research Institute, University of Niigata, Niigata, Japan 3.Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders 4.Department of Pediatrics, Yonezawa City Hospital, Yonezawa, Japan

P-137 Impact of Frequent Generalized Motor Seizures On Systemic Parameters In Children With Epilepsy

Nobutsune Ishikawa[1], Yoshiyuki Kobayashi [1,2], Yuji Fujii [1,2]

1.Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan 2.Epilepsy Center, Hiroshima University Hospital, Hiroshima, Japan

P-138 A refractory case of Eyelid Myoclonia with Absences

Akira Hojo[1], Kozue Kobayasi [1], Masaru Tatsuno [1]

1.Department of Pediatrics, Showa University Hospital, Tokyo, Japan

P-139 Hot water epilepsy that was developed to 11years old boy with mental and physical disabilities

Syuji Hashimoto[1], Hisako Yamamocto [1], Miho Adachi [1], Natsuko Arai[1], Yuusaku Miyamoto[1], Noriko Udagawa[1], Hiroshi Murakami[1], Hitoshi Yamamoto[1]

1.St. Marianna University School of Medicine Hospital,Kanagawa ,Japan

P-140 A children with symptomatic focal epilepsy exibiting forced normalization

Motomasa Suzuki[1], Yusuke Aoki [1], Atsuko Ohno [1], Kazuya Itomi[1]

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

P-141 A case of reflex epilepsy induced by somatosensory stimuli

Nobuaki Iwasaki[1], Tomohiro Nakayama [1], Jyunko Nakayama [1], Tatsuo Itho[1], Hitomi Maeda[1]

1.Department of Pediatrics, Ibaraki Prefectural University of Health Science,Ibaraki, Japan

P-142 Carry over cases in an outpatient clinic of psychology and development

Kei Ohashi[1], Yoshifumi Mizuno [1], Taishi Miyachi [1], Tomoko Asai[1], Masayuki Imaeda[1], Shinji Saitoh[1]

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

P-143 The sensory assessment of autistic children with unbalanced diet

Nozomi Hijikata[1], Kiyoko Yamane [1]

1.Hiroshima city seibu center for children's treatment and guidance

P-144 Report Of Questionnaire For Training Semina To Utilize Assessments

Akemi Tsuda[1], Akio Fujine [1], Tsunehisa Sakajiri [1]

1.Fukui Prefectual Rehabilitation Center For Children With Disabilities

P-145 Effects of checkup at nursery centers on early detection of children with developmental disorders

Kazuo Hatakeyama[1], Kakuro Aoyagi [1], Tomoko Tando [2], Sayaka Ishii[3], Kanji Sugita[4], Masao Aihara[5]

1.The Department of Pediatrics, AKEBONO Medical Welfare Center, Yamanashi, Japan 2.The Department of Pediatrics, Yamanashi Prefectural Central Hospital, Yamanashi, Japan 3.The Department of Pediatrics, National Hospital Organaization Kofu National Hospital, Yamanashi, Japan 4.The Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan 5.Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi

P-146 Self-recognition supports of high-function autism spectrum disorder in collaboration with education

Kazue Takagi[1,2]

1.Yokohama Central Area Habilitation Center for Children 2.Developmental Counseling and Support Center in Kawasaki

P-147 Effective Trial For Support System For Developmental Disabilities

Akemi Tsuda[1], Akio Fujine [1], Tsunehisa Sakaji|Ri [1]

1. Fukui Prefectual Rehabilitation Center For Children With Disabilities

P-148 Effect of early intervention for children with autism spectrum disorders under 3 years old

Akiko Fujii[1,2], Mutsuko Miyazaki [1], Tamao Nagaoka [1], Mitsuhiro Matsuo[1], Kazunori Motoyama[1], Tetsuo Matsuzaka[3], Junko Matsuzaki[3], Atsuko Mori[4], Hiroyuki Moriuchi [2]

1.Nagasaki Prefectural Children's Medical Welfare Center for Pediatrics, Nagasaki , Japan 2.Department of Pediatrics , University of Nagasaki , Nagasaki , Japan 3.Department of Pediatrics,Nagasaki City Disability Center,Nagasaki,Japan 4.Division of Developmental Disabilities, The Misakaenosono Mutumi Developmental,Medical and Welfare Center,Nagasaki,Japan

P-149 A trend of medical support for developmental disabilities in Tottori University Hospital.

Chika Hosoda[1], Yoko Nishimura [1], Akiko Tamasaki [1], Yoshiaki Saito[1], Yoshihiro Maegaki[1]

1.The Department of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan

P-150 Visual function of preterm infant in eary infancy

Yukihiko Konishi[1], Rie Tomita [1], Kotoha Harada [1], Kaori Koyano[2], Wataru Jinnai[2], Tomoko Nishida[3], Takashi Kusaka[1]

1.Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan 2.Maternal and Perinatal Center, Faculty of Medicine, Kagawa University, Kagawa, Japan 3.Department of Education for Children with Special Needs, Faculty of Education, Kagawa University, Kagawa, Japan

P-151 Thoughts on effectiveness of Parent Training in Parents of children with autism spectrum disorder

Emi Furukawa[1], Toshisaburou Nagai [2], Touko Mori [2], Nozomi Hadano[2]

1.Department of Modern Education, Faculty of Education, Kio University 2.Osaka University Graduate School of Medicine, Division of Health Sciences

P-152 Examining executive functions in children with developmental disabilities according to ages

Yoko Kado[1], Satoshi Sanada [2], Tatsuya Ogino [3], Shigeru Ohno[4], Kiyoko Watanabe[5], Kousuke Nakano[6], Teruko Morooka[7], Makio Oka[7], Katsuhiro Kobayashi [7]

1.Department of Psychology, Faculty of Letters, Kansai University, Suita, Japan 2.Okayama University Graduate School of Education, Okayama, Japan 3.Chugokugakuen University, Okayama, Japan 4.Ohno Hagukumi Clinic, Okayama, Japan 5.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan 6.The Special Education Teacher Training Course, Faculty of Education, Ehime University, Matsuyama, Japan 7.Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

P-153 A study of the background factors of children who have been diagnosed with developmental dyslexia

Genrei Ohta[1], Masao Kawatani [1], Hiroshi Kometani [2], Michio Hiratani[3], Yusei Ohshima[1]

1.Department of Pediatrics, Faculty of Medicine, University of Fukui, Fukui, Japan 2.Pediatrics, Houju Memorial Hospital, Ishikawa, Japan 3.Hiratani Child Developmental Clinic, Fukui, Japan

P-154 A longitudinal study on the development of reading/writing skills in children from the preschool age

Makio Oka[1], Kaoru Hanahusa [1], Teruko Morooka [1], Mari Akiyama[1], Tatsuya Ogino[2], Katsuhiro Kobayashi[1], Harumi Yoshinaga[1]

1.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Okayama, Japan 2.Department of Children Studies, Faculty of Children Studies, Chugokugakuen University, Okayama, Japan 3.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Okayama, Japan

P-155 Cognitive Effects of long-term administration of Methylphenidate on Children with AD/HD

Akiko Araki[1], Akie Okayama [1], Ryousuke Tanaka [1], Shiho Yamamoto[1], Satoru Takahashi[1], Hiroshi Azuma[1]

1.The Department of Pediatrics, Asahikawa Medical University

P-156 A patient of frontal lobe epilepsy with ADHD symptoms

Masahiro Ito[1], Hisamitsu Tamaki [1]

1.Department of Pediatrics, Tokyo Metropolitan Bokuto Hospital

P-157 The growth rate of ADHD children treated with stimulants

Komatsu Yumiko[1,2], Yohane Miyata [1], Makiko Shimazaki [1], Yuitirou Matsuoka[1], Yumiko Ikegami[1], Yoko Nakano[1], Yukiko Nakamura[0], Kunimasa Yan[1], Akira Oka [2]

1.The Pediatrics, University of Kyorin, Tokyo, Japan 2.The Pediatrics, Kugayama hospital, Tokyo, Japan 3.The Pediatrics, Tokyoteishin hospital, Tokyo, Japan 4.The Pediatrics,University of Tokyo, Tokyo, Japan

P-158 Current Status and Issues of atomoxetine oral solution use cases

Jun Shimizu[1], Noriko Oguro [1], Yuri Matsubara [1]

1.Department of Pediatrics, Tochigi Rehabilitation Center, Tochigi, Japan

P-159 Evaluation of the attention-deficit/hyperactivity disorder children's height at first visit

Chiemi Spratt[1], Kimiko Shirakawa [1], Kenji Nihei [1]

1.Pediatrics, Tokyo Nishi Tokushukai Hospital, Tokyo, Japan

P-160 Cases of chief complaint for reading and writing difficulty

Hisako Yamamoto[1,2], Yusaku Miyamoto [1,2], Masaaki Ikoma [0], Masumi Inagaki[3], Hitoshi Yamamoto[2]

1.The Department of pediatrics, Kawasaki Municipal Tama Hospital, Kanagawa, Japan 2.The Department of pediatrics, St.Marianna University School of Medicine, Kanagawa, Japan 3.Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

P-161 Characteristics of Kanji reading skill in Japanese dyslexic children

Ayumi Seki[1], Takahiro Kageyama [3], Daisuke Tanaka [3], Hitoshi Uchiyama[4], Tatsuya Koeda[4]

1.Child Development and Learning Research Center, Faculty of Regional Sciences, Tottori University, Tottori, Japan 2.Department of Regional Education, Faculty of Regional Sciences, Tottori University, Japan 3.Graduate school of Regional Sciences, Tottori University, Tottori, Japan 4.School of Health Sciences, International University of Health and Welfare, Ohtawara, Japan

P-162 Examination of the medical treatment effect of the ADHD using QCD

Mina Kono[1], Hiroto Akaike [1], Eisuke Kondo [1], Atsushi Kato[1]

1.Department of Pediatrics, Kawasaki Medical School, Okayama, Japan

P-163 Sleep medical examination of junior high school students in Ota memorial sleep center

Kumi Kato-Nishimura[1]

1.Ota Memorial Sleep Center, Kanagawa, Japan

P-164 A Comprehensive treatment approach to a girl with severe hypersomnia and anorexia

Makiko Toyoura[1,2], Akio Nakai [1,2], Keiko Owari [0], Seiki Tajima[1,2], Teruhisa Miike[2], Yukuo Konishi[2]

1.Hyogo Rehabilitation Center Hospital, Kobe, Japan 2.Hyogo Children's Sleep and Development Medical Research Center

P-165 Differences Between AASM2007 Child and Adult Respiratory Event Scoring in Japanese Children

Seiki Tajima[1,2], Akio Nakai [1,2], Makiko Toyoura [1], Keiko Owari[1,2], Teruhisa Miike[1], Yukuo Konishi[0]

1.Hyogo Rehabilitation Center Hospital, Kobe, Japan 2.Hyogo Children's Sleep and Development Medical Research Center, Kobe, Japan

P-166 A case of narcolepsy with congenital left internal carotid artery deficit.

Yuko Omata[1], Katsunori Fujii [2], Taku Omata [3], Takashi Kanbayashi[4], Hiromi Toyoda[5]

1.Department of Pediatrics, Chiba Medical Center, Chiba, Japan 2.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan 3.Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan 4.Akita University school of Medicine Department of Neuropsychiatry Section of Neuro and Locomotor science, Akita, Japan 5.Department of Human Genetics Graduate School of Medicine,The University of Tokyo , Tokyo, Japan

P-167 Clinical diversity in twins with neurodevelopmental disorders

Masao Kawatani[1], Genrei Ohta [1], Hiroshi Kometani [2], Yusei Ohshima[1], Akemi Tomoda[3], Michio Hiratani[4]

1.Department of Pediatrics, Faculty of Medical Sciences, University of Fuki, Fukui, Japan 2.Department of Pediatrics, Houju Memorial Hospital, Noumi, Ishikawa, Japan 3.Child Development Research Center, University of Fukui, Fukui, Japan 4.Hiratani Child Development Clinic, Fukui, Japan

P-168 A research on actual situation of playing video games

Nobuko Sugiura[1], Hiroshi Ozawa [2], Kaoru Amemiya [2], Yuki Inoue[1], Yuri Ozawa[2], Youko Kishimoto[2], Yoshiko Nomura[2], Satoshi Kimiya[3]

1.Shimada Ryoiku Center Hachioji,Tokyo,Japan 2.Shimada Ryoiku Center Hachioji,Tokyo,Japan 3.Shimada Ryoiku Center ,Tokyo,Japan

P-169 Alice in wonderland syndrome treated with oriental medicine

Mariko Maezawa[1], Youichi Doumoto [2], Kouichi Tamada [2], Masao Miyazaki[2], Satomi Sonoda[2], Kou Nishimura[3], Kayo Fukuoka[1], Akiko Kamiishi[4], Satoshi Kimiya [4], Michie Hongou [5]

1.TSURUMI University , Department of Dental Hygiene 2.ISE KEIYU HOSPITAL, ISE city 3.SUZUKA iryou university 4.SHIMADA ryoiku center 5.SHIMODA central hospital

P-170 An Effective Case of Low Dose Levodopa Therapy of Tourette's syndrome

Yasuko Nakamura[1,2], Akane Shikata [2]

1.Japan Self Defense Force Hospital Maizuru, Kyoto, Japan 2.Maizuru Rehabilitation Center for Children,Kyoto,Japan

P-171 Change of IQ and behavior assessment with enzyme replacement therapy in Mucopolysaccharidosis II

Mai Kuroda[1], Yuri Narita [1], Eiichi Wake [2], Tomotaka Kono[2], Katsuya Aizu[2], Hiroshi Mochizuki[2], Shinichiro Hamano[3]

1.Center for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan 2.Division of Endocrinology and Metabolism, Saitama Children's Medical Center, Saitama, Japan 3.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan

P-172 Autistic character in Congenital Insensitive to Pain

Kimiko Shirakawa[1], Yuko Suzuki [1], Chiemi Spratt [1], Kenji Nihei[1]

1.Department of Pediatrics,Tokyo-Nishi Tokusyukai Hospital,Tokyo,Japan 2

P-173 Correlation between brain MRI findings and developmental outcome in preterm infants

Ryuta Tanaka[1], Jun-Ichi Arai [1], Tatsuo Kono [2], Nobuaki Iwasaki[3]

1.Department of Pediatrics, Ibaraki Children's Hospital, Ibaraki, Japan 2.Department of Radiology, Dokkyo Medical University, Tochigi, Japan 3.Department of Pediatrics, Ibaraki Prefectural University of Health Sciences, Ibaraki, Japan

P-174 Neonatal seizure in Nagano Children's Hospital

Yuko Takei[1], Jiu Okuno [1], Tetsuhiro Fukuyama [1], Noboru Fueki[2], Shinichi Hirabayashi[1]

1.Childneurology,NaganoCchildren's Hospital,Japan 2.Rehabilitation,Nagano Children's Hospital,Japan

P-175 Treatment of intractable neonatal seizure in a case with a SCN2A mutation by using a lidocaine patch

Tomomi Nagata[1], Mika Takeshita [1], Natsumi Morishita [1], Shinichiro Morichi[1], Yu Ishida[1], Yasuyuki Morishima[1], Shingo Oana[1], Gaku Yamanaka[1], Tasuku Miyajima [1], Mitsuhiro Kato [2], Hisashi Kawashima [1]

1.Department of Pediatrics, Tokyo Medical University, Tokyo, Japan 2.Department of Pediatrics. Yamagata University Faculty of Medicine..

P-176 Chronological change of brain MRI in West syndrome patients with SPTAN1 gene mutation

Kanako Kishimoto[1], Junpei Tanigawa [1,4], Sanae Yamazaki [0], Yoshiko Iwatani[1,4], Kouji Tominaga[0], Shin Nabatame[0], Kuriko Shimono[0], Munetsugu Hara[6], Toshirou Maihara [7], Jun Tohyama [5], Mitsuhiro Kato [8], Toshisaburou Nagai [1,3,4], Keiichi Oozono [1,4]

1.Department of pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan 2.United Graduate School of Child Development Osaka University Graduate School of Medicine, Osaka, Japan 3.Child Health Science, Department of Children's and women's Health, Area of Nursing Science, Course of Health Science, Osaka University Graduate School of Medicine 4.Osaka University Hospital Epilepsy, Osaka, Japan 5.Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan 6.The Department of Pediatrics and Child Health Kurume University School of Medicine 7.Hyogo Prefectual Tsukaguchi Hospital 8.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

P-177 A three-month-old boy with Sturge-Weber syndrome without facial nevus

Erika Shiratori[1], Mayuko Fujita [1], Hajime Ikehara [1], Hiromi Mizuochi[1], Tadashi Shiohama[1], Katsunori Fujii[1], Naoki Shimojyo[1]

1. Department of Pediatrics, Graduate School of Medicine, Chiba University

P-178 Arterial embolization of renal angiomyolipoma in patients with tuberous sclerosis complex.

Ayano Yokoi[1], Hiroyasu Nakagawa [1], Yusuke Mitani [1], Mondo Kuroda[1], Akihiro Yachie[1], Yo Niida[2]

1.Department of Pediatrics, Kanazawa University, Ishikawa, Japan 2.Divisions of Genomic Medicine,Kanazawa Medical University Hospital, Ishikawa, Japan .

P-179 Evaluation using near-infrared spectroscopy (NIRS) until flat EEG; a case of acute encephalopathy

Yoshinobu Oyazato[1], Tomoshi Nakajiri [1], Sora Okita [1], Atsushi Nishiyama[1]

1.Department of Pediatrics, Kakogawa West City Hospital, Hyogo, Japan

P-180 A boy with CDG who suffered from HHV6 encephalitis and showed anterior commissure involvement

Hajime Ikehara[1], Koo Nagasawa [1], Haruka Hishiki [1], Katsunori Fuji[1], Naoki Shimojo[1]

1.Department of Pediatrics, Graduate School of Medicine, Chiba University

P-181 Diffusion tensor image of xeroderma pigmentosum group A

Tomoko Matsubayashi[1], Hidetoshi Ishigaki [1], Yoshifumi Miyagi [1], Miki Asahina[1], Tokiko Fukuda[1]

1.The department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan

P-182 Analysis of diffusion tensor image of lissencephaly caused by LIS1 mutation

Hidetoshi Ishigaki[1], Tomoko Matsubayashi [1], Yoshihumi Miyagi [1], Miki Asahina[1], Mitsuhiro Kato[2], Tokiko Fukuda[1]

1.Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan 2.Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan

P-183 The serial MRS study of the patients with Tuberous Sclerosis Complex

Atsushi Imamura[1], Naoki Matsuo [1], Emiko Kobayashi [1], Eiji Matsukuma[1], Kunihiro Matsunami[1], Syuji Kuwabara[1], Kazuhiro Hirata[1], Sotarou Yuzawa[1], Yutarou Ueno [1]

1.Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan

P-184 Pathological study of a lissencephaly case who died of necrotizing enteritis following ileus

Kanji Yasuda[1]

1.The Department of Pediatrics, National Shizuoka Fuji Hospital

P-185 A 9-year-old boy case with recurrent anti-NMDAR encephalitis associated with mycoplasma pneumonia.

Yusuke Takezawa[1], Mitsugu Uematsu [2], Sou Niitsuma [1], Shunsuke Miyano[1], Sayaka Kawashima[1], Takashi Honma[1], Takeshi Itou[1], Yukitoshi Takahashi[3]

1.Japanese Red Cross Ishinomaki Hospital, Miyagi, Japan 2.Department of Pediatrics, Tohoku University School of Medicine 3.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder

P-186 The boy of autoimmune limbic encephalitis presenting with painful various involuntary movement

Aya Sato[1], Takao Morimune [2], Jun Matsui [2], Noriko Nishikura[2], Seiichirou Yoshioka[2], Tomoyuki Takano[2], Yoshihiro Takeuchi[2], Yukitoshi Takahashi[3]

1.Pediatrics, Saiseikai Shigaken Hospital, Shiga, Japan 2.Peditrics, Shiga University of Medical Science, Shiga, Japan 3.Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

P-187 A case of Anti-NMDA receptor encephalitis couldn't be treated with the exception of Rituximab

Yoshihiro Takahashi[1], Shinsuke Maruyama [1], Kenji Watanabe [2], Yuusei Baba[2], Hisami Inoue[2], Chihiro Yonee[3], Nozomi Sano[3], Kazuyuki Yotumata[2], Yukitoshi Takahashi [4], Yoshihumi Kawano [1]

1.The Department of Pediatrics, University of Kagoshima, Kagoshima, Japan 2.The Department of Pediatrics, Kagoshima City hospital, Kagoshima, Japan 3.The Department of Pediatrics, Minami Kyusyu National Hospital, Kagoshima, Japan 4.The Department of Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

P-188 Studies on three cases of limbic encephalitis in Kakogawa West City Hospital

Tomoshi Nakajiri[1], Atsuko Kanagawa [1], Sora Okita [1], Yoshinobu Oyazato[1], Atsushi Nishiyama[1], Masahiko Yonetani[1]

1.Department of Pediatrics, Kakogawa West City Hospital, Kakogawa, Japan

P-189 A case of autoimmune encephalitis with recurrent seizures.

Rumi Miyabe[1], Keiko Suzuki [1], Yoshiki Oitani [1], Haruka Tada[1], Asako Arai[0], Satoshi Ueda[1], Ryoji Umedu[1], Shigetaka Sugihara[1], Yukitoshi Takahashi [3]

1.Tokyo Women's Medical University Medical Center East, Tokyo, Japan88 2.Toda Central General Hospital, Saitama, Japan 3.Shizuoka Institute of Epilepsy and Neurological Disorders

P-190 A pediatric case of Hashimoto's encephalopathy presenting with acute cerebellar ataxia

Ryoko Nakamura[1], Kohei Haraguchi [1], Masaru Matsukura [1], Pin Fee Chong[1], Ryutaro Kira[1]

1.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan

P-191 A case of MERS with cerebellitis during juvenile idiopathic arthritis treatment

Akiko Hiraiwa[1], Tomomi Tanaka [1], Takashi Kuramoto [1], Kazushi Miya[1], Hiromichi Taneichi[1], Yuuichi Adachi[1]

1.Department of Pediatrics Faculty of Medicine University of Toyama , Toyama , Japan

P-192 Study of 10 patients with acute encephalopathy administered drugs to treat mitochondrial disease.

Taku Omata[1], Kei Murayama [2], Kaori Muta [1], Kazuo Kodama[1], Yukiko Iida[1], Yoshimi Watanabe[1]

1.Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan 2.Division of Metabolism, Chiba Children's Hospital, Chiba, Japan

P-193 Efficacy of TRH treatment for patients with SSPE

Eiji Nakagawa[1], Eri Takeshita [1], Akihiko Ishiyama [1], Yuko Motohashi[1], Takashi Saito[1], Hirofumi Komaki[1], Kenji Sugai[1], Masayuki Sasaki[1]

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

P-194 A neonate case of acute encephalopathy associated with RSV without bronchiolitis

Tamami Yano[1], Hiroki Kubota [1], Tsutomu Takahashi [1]

1.Akita University Graduate School of Medicine, Department of Pediatrics

P-195 Four cases of acute disseminated encephalomyelitis proceded by unspecific symptoms

Hiroshi Shiraga[1]

1.National Hospital Organization Okayama Medical Center

P-196 Acute demyelinating encephalomyelitis after anti-venom therapy in mamushiviper bite.

Shinji Itamura[1], Kentaro Kuwabara [1], Kazunori Ogawa [1]

1.Department of Pediatric Neurology Hiroshima City Hospital, Hiroshima, Japan

P-197 A case of acute disseminated encephalitis initially showing a transient reversible splenial lesion

Nobuko Moriyama[1], Natsuko Oyake [1], Takayuki Naoi [1]

1.Department of Pediatrics Hitachi,Ltd.,Hitachinaka General Hospital

P-198 A case of MS developing the only acute abdominal pain resulting from thoracic demyelinating lesion

Shohei Nomura[1], Shimakawa Shuichi [1], Mari Hatanaka [1], Miho Fukui[1], Hiroshi Tamai[1]

1.The Department of Pediatrics, Osaka Medical College, Osaka, Japan

P-199 A case of MOG antibody-positive NMO spectrum disorders

Masato Hiyane[1], Hayato Fukuzato [1], Tsuyoshi Matsuoka [1], Masaharu Ohfu[1]

1.Division of child neurology, Okinawa prefectural Southern medical center & children's medical center

P-200 A case of anti-MOG antibody-positive optic neuritis without apparent abnormal MRI findings

Yoshihumi Murayama[1], Nobuyoshi Sugiyama [1], Mariko Ikegami [0], Chinami Yamasaki[1], Shin-Ichi Matsuda[1], Yoshihiro Miyashita[1]

1.The Department of Pediatrics, Tokai University School of Medicine, Kanagawa, Japan 2.The Department of Pediatrics Tokai University School of Medicine Hachioji Hospital. Tokyo, Japan

P-201 The efficacy of plasma exchange for a visual disorder of Neuromyelitis optica spectrum disorders

Jun Matsui[1], Seiichirou Yoshioka [1], Noriko Nishikura [1], Tomoyuki Takano[1], Yoshihiro Takeuchi[1], Takao Morimune[2], Kashirou Nishizawa[2]

1.Shiga Universasity of Medical Science, Shiga, Japan 2.Omihachiman community medical center

P-202 A case of neuromyelitis optica,whose relapses were prevented by rituximab.

Atsuko Ohno[1], Yusuke Aoki [1], Motomasa Suzuki [1], Kazuya Itomi[1]

1.Department of Pediatric Neurology,Aich Children's Health and Medical Center

P-203 Azathioprine and prednisolone for 2 patients with relapsing opsoclonus-myoclonus syndrome

Hidetsugu Nakatsukasa[1], Yasushi Ito [1], Takayuki Kishi [1], Yoshiko Hirano[1], Aiko Nishikawa[1], Mutsuki Shioda[1], Shino Simada[1], Yohko Yoshikawa[1], Akiko Takeshita [1], Kyoko Hirasawa [1], Hirokazu Oguni [1], Satoru Nagata [1]

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

P-204 Strategy for botulinum toxin therapy in the disabled -Importance of target muscles and team approach

Tetsuro Nagasawa[1], Naho Saito [1], Michio Fukumizu [1]

1.Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan

P-205 Experience of risperidone to hypertonic children with cerebral palsy

Akiko Koyama[1], Eiji Kitazumi [1], Akira Yoneyama [1], Katsutoshi Nakatani[1], Naoko Ishikawa[1], Junko Ohinata[1], Ikumi Kimura[1], Mika Nagase[1], Kaori Ogita [1], Naoto Yamaguchi [1], Hiroya Nishida [1]

1.National Rehabilitation Center for Children with Disabilities

P-206 Urinary melatonin and total antioxidant capacity in neurological disorders in children.

Naoyuki Tanuma[1,2], Yumi Okoshi [1], Michio Fukumizu [1], Rie Miyata[2], Masaharu Hayashi[2]

1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan 2.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-207 The correlation between the urinary secretion of melatonin and the clinical symptoms in SMID

Yumi Okoshi[1], Masaharu Hayashi [2], Rie Miyata [2], Naoyuki Tanuma[1], Michio Fukumizu[1]

1.The Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan 2.The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-208 Present situation and problem of home medical support for patients with home mechanical ventilation

Hideji Hattori[1], Jirou Ashino [1], Akihiro Matsushita [1], Sanae Watanabe[1], Youichirou Kitamura[1], Katsuji Tanaka[1]

1.Nishinomiya-Sunago Medical and Welfare Center, Nishinomiya, Japan

P-209 Present status and problems of medical care for the physically disabled children in school

Kiyotaka Murakami[1]

1.Nakano Children's Hospital

P-210 Coordinators meeting for children in need of medical care

Yusaku Endo[1], Teruhiko Suzuki [1], Kouichi Hirano [1], Takeshi Miyamoto[2], Tomoko Matsubayashi[3], Keiko Murayama[4], Tokiko Fukuda[3]

1.Department of Pediatrics (Pediatric Neurology), Yuuainosato clinic, Hamamatsu City Medical Center for Developmental Medicine, Hamamatsu, Japan 2.Department of Pediatrics, Hamamatsu Medical Center, Hamamatsu, Japan 3.Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan 4.Genkikodomo clinic, Hamamatsu, Japan

P-211 Medical Day Care : A new method of pediatric home medical care

Takuya Kobayashi[1]

1.Nokendai Children Clinic, Yokohama, Japan

P-212 A Study on Persons with Severe Motor and Intellectual Disabilities Applying for Care Facilities

Ari Nakamura[1,2], Masahide Futamura [2]

1.School of Sport and Health Science, Tokai Gakuen University, Aichi, Japan 2.Nagoya City Facilities for Children and Persons with Severe Motor and Intellectual Disabilities, Twinkle Nagoya, Aichi, Japan

P-213 WPW syndrome in patients with MELAS

Takuya Hiraide[1], Akihiko Ishiyama [1], Kazuhiko Segawa [2], Eri Takeshita[1], Yuko Motohashi[1], Hirofumi Komaki[1], Takashi Saitou[1], Eiji Nakagawa[1], Kenji Sugai [1], Yu-Ichi Goto [1], Masayuki Sasaki [1]

1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Cardiology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-214 An infant of cerebral infarction of bilateral posterior lobe with lactic acidosis

Noriko Nishikura[1], Jun Matui [1], Seiichirou Yoshioka [1], Tomoyuki Takano[1], Yoshihiro Takeuchi[1], Tatsuyuki Sokoda[2], Aya Sato[3], Fukiko Ryujin[3], Eisuke Ito [3]

1.Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan 2.Department of Pediatrics, Moriyamashimin Hospital, Shiga, Japan 3.Department of Pediatrics, Saiseikai Shigaken Hospital, Shiga, Japan

P-215 A case of MELAS strokes after recurrent visual hallucinations and headaches

Taro Kitamura[1], Yu Katata [1], Toshiyuki Nishio [1], Masaru Takayanagi[1], Toshihiro Ohura[1]

1.Department of Pediatrics, Sendai City Hospital, Sendai, Japan

P-216 Fluctuation in eye symptom associated with mitochondrial disease(CPEO)

Toshihiro Nomura[1], Tsunehiko Kurokami [1], Naoto Hirayanagi [1], Masayuki Shimohira[1], Michio Inoue[2], Akihiko Ishiyama[2], Yu-Ichi Goto[2]

1.Kawaguchi Municipal Medical Center, Saitama, Japan 2.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-217 A case of Mitocondrial disorders which was regarded as encephalopathy due to hypoxia

Akiko Haibara[1], Atsuko Yamamoto [1], Kentaro Shirai [1], Akimitsu Watanabe[1], Hirotomo Saitsu[2], Chihiro Ooba[2], Naomichi Matsumoto[2], Kei Murayama[3]

1.Tsuchiurakyodo Hospital, Ibaraki, Japan 2.Yokohama, Japan 3.Chiba, Japan

P-218 Low dose steroid therapy of a case of MELAS syndrome with repeatedly recurrent stroke attacks

Koichi Minami[1], Yuko Tsuda [1], Akira Tamura [1], Norishige Yoshikawa[1], Toshihiko Yanagawa[2]

1.Department of Pediatrics, Wakayama Medical University, Wakayama, Japan 2.School of Health and Nursing Science, Wakayama Medical University, Wakayama, Japan

P-219 Characteristics of clinical course in Leigh encephalopathy with SURF1 gene mutation: 4 case reports

Mutsumi Sato[1], Keiko Watanabe [1], Rie Anzai [1], Yu Tsuyusaki[1], Kazushi Ichikawa[1], Kaori Kaneko[0], Mizue Iai[1], Sumimasa Yamashita[1], Hitoshi Osaka [4], Tomohide Goto [1], , , , ,

1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 2.Division of Pediatrics, Fujisawa City Hospital, Fujisawa, Japan 3.Department of Child Neurology and Neurology, Yokohama Residential Care and Medical Center for Developmentally Disabled Person, Yokohama, Japan 4.Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan

P-220 A case of POLG mutation with deficiency of complex I&IV revealed by Blue-Native PAGE(BN-PAGE)

Yoko Mizuno[1], Masakazu Mimaki [1], Sayaka Ohta [1], Konomi Shimoda[1], Nagahisa Takahashi[1], Hiroyuki Iwasaki[1], Akira Oka[1], Nahoko Katayama[2], Yoshiyuki Namai [2], Masashi Mizuguchi [3], Yuichi Gotoh [4]

1.The Department of Pediatrics, University of Tokyo, Tokyo, Japan 2.Ohta Nishinouchi Hospital, Fukushima, Japan 3.Developmental Medical Sciences, School of international health, Graduate school of Medicine,The University of Tokyo, Tokyo, Japan 4.Department of Mental Retardation and Birth Defect Research, National Center of Neurology and Psychiatry, Tokyo, Japan .

P-221 Siblings of severe delay and involuntary movement with MED17 mutation by whole exome sequencing

Shinichi Hirabayashi[1], Hirotomo Saitsu [2]
1.Division of Neurology, Nagano Children's Hospital, Nagano, Japan 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-222 a girl diagnosed as MIPCH who had persistent fatal vasculature

Kanako Maizuru[1], Fumihito Nozaki [1], Tomohiro Kumada [1], Minoru Shibata[1], Annri Hayashi[1], Ikuko Hiejima[1], Atsushi Yokoyama[1], Tatsuya Fujii[1], Nobuhiko Okamoto [2], Shinn Hayashi [3]
1.Shiga Medical Center for Children 2.Osaka Medical Center and Research Institute for Matermal and Child Health 3.Tokyo Medical and Dental University

P-223 A case with microcephaly induced by PNKP gene mutation

Tomomi Tanaka[1], Kazushi Miya [1], Syouhei Kusabiraki [1], Akiko Hiraiwa[1], Yuuki Watanabe[1], Takashi Kuramoto[1], Seiko Fujiki[1], Chiaki Tanaka[1], Yuuichi Adachi [1], You Niida [2]
1.Department of Pediatrics Faculty of Medicine, University of Toyama, Toyama, Japan 2.Center for Medical Genetics, Kanazawa Medical University Hospital, Ishikawa, Japan

P-224 Patients of father and son with COL4A1 mutation who have neurological disorders

Keiko Nomura[1], Shiro Ozasa [1], Hirofumi Kosuge [1], Shigemi Kimura[2], Fumio Endo[2], Akihiko Ueda[3], Mitsuhiro Kato[4]
1.Department of Pediatrics, Kumamoto University Hospital, Kumamoto, Japan 2.Department of Pediatrics, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan 3.Department of Neurology, Kumamoto University Hospital, Kumamoto, Japan 4.Department of Pediatrics, Faculty of Medicine, Yamagata University, Yamagata, Japan

P-225 Synergistic effects of NF1 and MAGEL2 mutations in a female with severe developmental delay

Satoshi Akamine[1], Yasunari Sakai [1], Michiko Torio [1], Yoshito Ishizaki[1], Masafumi Sanefuji[1], Hiroyuki Torisu[2], Hirotomo Saitu[3], Naomiti Matumoto[3], Toshiro Hara [1]
1.Department of Pediatrics, Kyushu University 2.Fukuoka Dental College Medical and Dental Hospital 3.Department of Human Genetics, Yokohama City University

P-226 A case of COL4A1 gene mutation that is similar to TORCH syndrome

Tadayuki Kumagai[1], Mai Anzai [1], Mariko Kasai [1], Satoshi Takenaka[1], Yu Watanabe[1], Hiroshi Terashima[1], Hirotomo Saitsu[2], Masaya Kubota[1]
1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan 2.Department Of Human Genetics,Yokohama City University Graduate School of Medicine,Yokohama,Japan

P-227 A case of mitochondrial disease with 10q21.3-22.1 deletion

Koji Tominaga[1], Kanako Kishimoto [1,4], Junnpei Tanigawa [0], Sanae Yamazaki[1], Michiko Shinpo[1], Yuusuke Hamada[1], Yoshiko Iwatani[0], Shin Nabatame[0], Kuriko Shimono [0], Kei Murayama [5], Toshisaburou Nagai [1,3,4], Keiichi Ozono [1,4]
1.Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan 2.Department of Child Development, United Graduate School of Child Development, Osaka University, Osaka, Japan 3.Osaka University Graduate School of Medicine, Division of Health Sciences, Osaka, Japan 4.Osaka University Hospital Epilepsy Center, Osaka, Japan 5.Department of Metabolism, Chiba children Hospital, Chiba, Japan

P-228 A case with severe form Young-Simpson syndrome by de novo KAT6B 10-base pair duplication

Yo Niida[1], Yusuke Mitani [2], Mondo Kuroda [2], Ayano Yokoi[2]
1.Center for Medical Genetics, Kanazawa Medical University Hospital, Ishikawa, Japan 2.Department of Pediatrics, Kanazawa University Graduate School of Medical Science, Ishikawa, Japan

P-229 A case of hematuria and hyperckemia with COL4A1 mutation.

Tsuyoshi Omi[1,2], Jyun Touyama [2], Hirofumi Kodera [3], Naomichi Matsumoto[3], Hirotomo Saitsu[3]
1.Department of Pediatrics, Okinawa Ryoikuen, Okinawa, Japan 2.Department of Pediatrics, Okinawa Seishi ryougoen, Okinawa, Japan 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-230 Concurrent PAX6 mutation and 22q34 deletion mimicking WAGR syndrome phenotype

Rika Kosaki[1], Masaya Kubota [2]
1.Division of Medical Genetics,National Center for Child Health and Development,Tokyo,Japan 2.Division of Neurology,National Center for Child Health and Development,Tokyo,Japan

P-231 A case of Gomez-Lopez-Hernandez syndrome

Yuki Kubota[1], Naomi Hukuyo [1], Hiroki Sato [1], Sato Suzuki[1], Chieko Nara[1], Mitsugu Uematsu[1], Shigeo Kure[1], Rie Noguchi[2]

1.Department of Pediatrics,Tohoku University School of Medicine,Sendai,Japan 2.Department of Pediatrics,Sendai Medical Center,Sendai,Japan

P-232 A pediatric case of neuroblastoma associated with 11q interstitial deletion

Tadashi Shiohama[1], Moeko Hino [1], Kenji Shimizu [2], Hirofumi Ohashi[2], Mayuko Fujita[1], Hajime Ikehara[1], Hidemasa Ochiai[1], Katsunori Fujii[1], Naoki Shimojo [1]

1.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan 2.Division of Medical Genetics, Saitama Children's Medical Center, Saitama, Japan

P-233 Fetal alcohol syndrome in a Japanese girl: case report

Akie Miyamoto[1], Kayano Kimura [1], Ikue Fukuda [1], Hajime Tanaka[1], Ryuuji Oka[1]

1.Department of Pediatrics, Hokkaido Asahikawa Habilitation center for Disabled Children, Asahikawa, Japan

P-234 Joubert syndrome with AHI1 mutation: the clinical and radiological findings of a case

Ayaka Koide[1], Kaoru Amemiya [2], Mitsuhiro Kato [3], Kaori Adachi[4], Eiji Nanba[4], Sunao Tomita[1], Sahoko Miyama[1]

1.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Fuchu, Tokyo, Japan 2.Department of Child Neurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan 3.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan 4.Division of Functional Genomics, Research Center for Bioscience & Technology, Faculty of Medicine, Tottori University, Yonago, Japan.

P-235 Fetal ventriculomegaly of unknown cause: A retrospective study from a single institution.

Tomoyo Takenaka[1,2], Hidetoshi Taniguchi [1,2], Hitomi Arahori [0], Yasuji Kitabatake[1,2], Shin Nabatame[1], Naoki Kagawa[3], Kazuko Wada[0], Keiichi Ozono[1]

1.Department of Pediatrics, Osaka University Graduate School of Medicine, Suita, Japan 2.Maternal and Perinatal Care Center, Osaka University Hospital 3.Department of Neurosurgery, Osaka University Graduate School of Medicine, Suita, Japan

P-236 Angelman syndrome with 15q larger deletion showing severe developmental delay

Konomi Shimoda[1], Yoko Mizuno [1], Sayaka Ohta [1], Nagahisa Takahashi[1], Hiroyuki Iwasaki[1], Masakazu Mimaki[1], Akira Oka[1], Masashi Mizuguchi[2]

1.Depatment of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan 2.Department of Developmental Medical Sciences, School of International Health ,, Graduate School of Medicine, The University of Tokyo, Tokyo,Japan

P-237 A case of SOX2 anophthalmia syndrome with hypoplastic olfactory nerve

Hiroko Tada[1], Jun-Ichi Takanashi [2], Reiko Horikawa [3]

1.Devision of Pediatrics, Chibaken Saiseikai Narashino Hospital, Narashino, Japan 2.Department of Pediatrics, Tokyo Women's Medical Univerisity Yachiyo Medical Center, Yachiyo, Japan 3.Department of Endocrinologylogy, National Center for Child Health and Development, Tokyo, Japan

P-238 15-years old patient with Joubert syndrome who showed sleep related breathing disorders

Fumihito Nozaki[1], Tomohiro Kumada [1], Minoru Shibata [1], Anri Hayashi[1], Ikuko Hiejima[1], Mioko Mori[1], Kanako Maizuru[1], Atsushi Yokoyama[1], Tatsuya Fujii [1]

1.The department of pediatrics,Shiga Medical Center for Children, Shiga, Japan

P-239 Refractory epilepsy of Kabuki syndrome with late-onset West syndrome

Mai Anzai[1], Hiroshi Terashima [1], Tadayuki Kumagai [1], Akira Takenaka[1], Mariko Kasai[1], Yu Watanabe[1], Masaya Kubota[1], Rika Kosaki[2]

1.Division of Neurology,National Center for Child Health and Development, Tokyo, Japan 2.Division of Medical Genetics,National Center for Child Health and Development, Tokyo, Japan

P-240 Long-time survival for 2 years and 3 month in brain-dead condition due to shunt closure

Nagahisa Takahashi[1], Sayaka Ota [1], Konomi Shimoda [1], Yoko Mizuno[1], Hiroyuki Iwasaki[1], Masakazu Mimaki[1], Masashi Mizuguchi[2], Akira Oka[1]

1.Department of Pediatrics, University of Tokyo 2.Department of Developmental Medical Sciences Graduate School of Medicine The University of Tokyo

P-241 A Causative Factor of Growth Hormone Defect in Glucose Transporter 1 Deficiency Syndrome

Shin Nabatame[1,2], Kuriko Kagitani-Shimono [1,2,3], Kouji Tominaga [0], Kanako Kishimoto[1,2], Junpei Tanigawa[0], Sanae Yamazaki[0], Yoshiko Iwatani[0], Yoko Miyoshi[1], Keiko Yanagihara [3], Toshisaburo Nagai [4], Keiichi Ozono [1,2]
1.Department of Pediatrics, Graduate School of Medicine, Osaka University, Osaka, Japan 2.Epilepsy Center, Osaka University Hospital, Osaka, Japan 3.United Graduate School of Child Development, Graduate School of Medicine, Osaka University, Osaka, Japan 4.Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan 5.Child Health Science, Department of Children's and women's Health, Area of Nursing Science, Course of Health Science, Graduate School of Medicine, Osaka University, Osaka, Japan

P-242 Six cases of Glucose transporter 1 deficiency syndrome

Taikan Oboshi[1], Katumi Imai [1], Akito Watanabe [1], Natumi Araya[1], Kazunori Tukamoto[1], Sinsaku Yositomi[1], Tatuo Mori[1], Hirosato Nasu[1], Hiroko Ikeda [1], Hidenobu Otani [1], Hideo Shigematu [1], Yukitoshi Takahashi [1], Yusi Inoue [1]
1.Shizoka Institute of Epilepsy and Neurological Disorder,Shizuoka,Japan

P-243 De novo SCN8A mutation causes Ohtahara syndrome

Kohei Haraguchi[1], Reina Ogata [1], Ryoko Nakamura [1], Masaru Matsukura[1], Pinfee Chong[1], Ryutaro Kira[1], Mitsuhiro Kato[2]
1.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan 2.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

P-244 One case with the SCN1A mutation that showed febrile convulsions frequently after 1 year old

Taiki Shima[1], Ayuko Igarashi [1], Mitsuru Ikeno [1], Shinpei Abe[1], Tomoyuki Nakazawa[2], Shinichi Niijima[3], Yuusaku Miyamoto[4], Shinich Hirose[5], Akihisa Okumura [6], Toshiaki Shimizu [1], , , , ,
1.The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan 2.The Department of Pediatrics, Juntendo Urayasu Hospital, Chiba, Japan 3.The Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan 4.The Department of Pediatrics, St. Marianna University School of Medicine, Kanagawa, Japan 5.The Department of Pediatrics, Fukuoka University, Fukuoka, Japan 6.The Department of Pediatrics, Aichi Medical University, Aichi, Japan 7. 8. 9. 10.

P-245 A case of epileptic encephalopathy caused by STXBP1 mutaion

Saoko Takeshita[1], Hirotaka Motoi [1], Yoshihiro Watanabe [1], Yu Fujiwara[1], Hirotomo Saitsu[2]
1.Yokohama City University Medical Center, Yokohama, Japan 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine

P-246 Successful Treatment of EPC with Corticosteroid in a Case of SSADH Deficiency

Hisako Ishiwata[1], Ayako Kashimada [1], Koji Takahashi [1], Tsunehiko Kurokami[2], Masayuki Shimohira[2], Hiroshi Sakuma[3], Kei Murayama[4], Mitsuko Nakajima[5], Hirotomo Saitsu [5], Mitsuhiro Kato [6], Yuji Sugawara [1]
1.Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan 2.Department of Pediatrics, Kawaguchi Municipal Medical Center, Kawaguchi, Japan 3.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 4.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine , Yokohama, Japan 6.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan

P-247 Epilepsy in two cases of FOXG1-related disorders

Kazushi Ichikawa[1], Keiko Watanabe [1], Mutsumi Sato [1], Rie Anzai[1], Yu Tsuyusaki[1], Mizue Iai[1], Sumimasa Yamashita[1], Tomohide Goto[1], Hirotomo Saitsu [2]
1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 2.Department of Human Genetics, Graduate School of Medicine, Yokohama City University , Yokohama, Japan

P-248 A case of neonatal seizure with KCNQ2 gene containing new mutation

Rie Tomita[1], Yukihiko Konishi [1], Kotoha Harada [1], Wataru Zinnai[2], Kaori Koyano[1], Tomoko Nishida[3], Takashi Kusaka[1], Yukiko Ihara[4], Atsushi Ishii [4], Shinichi Hirose [4], Mayumi Yamamoto [5], Susumu Ito [1]
1.Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan 2.Maternal Perinatal Center, Faculty of Medicine, Kagawa University, Kagawa, Japan 3.Faculty of Education, Kagawa University, Kagawa, Japan 4.Pediatrics, Faculty of Medicine, Fukuoka University, Fukuoka, Japan 5.Uchinomi Hospital, Kagawa, Japan

P-249 Early onset epileptic encephalopathy with mutation in QARS

Mizue Iai[1], Hitoshi Osaka [2], Takafumi Kodera[3], Hirotomo Saitsu[3], Yu Tsuyusaki[1], Rie Anzai[1], Kazushi Ichikawa[1], Mutsumi Sato[1], Keiko Watanabe [1], Sumimasa Yamashita [1], Naomichi Matsumoto [3], Tomohide Goto [1]
1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan 2.Department of Pediatrics,Jichi Medical School, Shimotsuke, Japan 3.Department of Human Genetics, Graduate School of Medicine,Yokohama City University, Yokohama, Japan

P-250 Characteristics of Epilepsy in Kabuki Syndrome

Naoko Kurahashi[1], Shunsuke Ogaya [1], Ayako Umemura [1], Keitaro Yamada[1], Hirokazu Kurahashi[1], Toshiyuki Kumagai[0], Akiko Matsumoto[1], Motomasa Suzuki[4], Kazuya Itomi [4], Futoshi Yoshida [5], Miho Nakamura [6], Seiji Mizuno [7], Noriko Miyake [8], Naomichi Matsumoto [8], Koichi Maruyama [1]

1.Department of Pediatric Neurology, Central Hospital, Aichi Human Service Center, Kasugai, Japan 2.Department of Pediatrics, Aichi Medical University, Nagakute, Japan 3.College of Life and Health Sciences, Chubu University, Kasugai, Japan 4.Department of Neurology, Aichi Children's Health and Medical Center, Japan 5.Department of Functioning Science, Institute for Developmental Research, Aichi Human Service Center Aichi, Kasugai, Japan 6.Department of Internal Medicine, Central Hospital, Aichi Human Service Center, Kasugai, Japan 7.Department of Pediatrics, Central Hospital, Aichi Human Service Center, Kasugai, Japan 8.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan 9. 10.

P-251 Effects of vagus nerve stimulation in children with epilepsy

Hideo Enoki[1,2], Takuya Yokota [1,2], Tohru Okanishi [0], Ayataka Fujimoto[2], Takamichi Yamamoto[2]

1.Department of Child Neurology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan 2.Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

P-252 Interpretation of intracranial EEG was difficult in a MRI negative case with intractable epilepsy

Kentaro Tamura[1], Takafumi Sakakibara [2]

1.The Department of Neurosurgery, Nara Medical University,Kashihara, Japan 2.The Department of Pediatrics, Nara Medical University, Kashihara, Japan .

P-253 Prognostic factors of developmental outcome in children with dysembryoplastic neuroepithelial tumor.

Shinsaku Yoshitomi[1], Daikan Ohoshi [1], Akito Watanabe [1], Nami Araya[1], Kazuki Tsukamoto[1], Hirosato Nasu[1], Tokito Yamaguchi[1], Hideyuki Otani[1], Hiroko Ikeda [1], Hideo Shigematsu [1], Kazumi Matsuda [1], Katsumi Imai [1], Yukitoshi Takahashi [1], Yushi Inoue [1]

1.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

P-254 Efficacy of ictal easy Z-score imaging system (eZIS) in identifying epileptogenic foci

Shimpei Baba[1], Kenji Sugai [1], Eri Takeshita [1], Yuko Motohashi[1], Akihiko Ishiyama[1], Takashi Saito[1], Hirofumi Komaki[1], Eiji Nakagawa[1], Naoki Ikegaya [2], Takanobu Kaido [2], Yu Kaneko [2], Akio Takahashi [2], Taisuke Otsuki [2], Masayuki Sasaki [1]

1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan 2.Department of Neurosurgery, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-255 Concordance between MRI-identifiable lesion and SISCOM in each seizure type

Kazuo Kubota[1], Kenji Sugai [1], Eri Takeshita [1], Yuko Motohashi[1], Akihiko Ishiyama[1], Takashi Saitou[1], Hirofumi Komaki[1], Eiji Nakagawa[1], Masayuki Sasaki [1]

1. National Center of Neurology and Psychiatry, Tokyo, Japan

P-256 The association between epileptic focus estimated by MEG and cognitive function in ECSWS

Shinichi Magara[1], Hideshi Kawashima [1], Yuu Kobayashi [1], Noriyuki Akasaka[1], Jun Tohyama[1], Hiroshi Shirozu[2]

1.Department of Pediatrics, Nishi-Niigata Chuo Hospital, Niigata, Japan 2.Department of Neurosurgery, Nishi-Niigata Chuo Hospital, Niigata, Japan

P-257 Current medical care for adult patients with childhood-onset epilepsy at general hospital

Sachiko Kanda[1], Hideaki Mashimo [1], Kan Takahashi [1]

1.Department of Pediatrics of Ome Municipal General Hospital, Tokyo, Japan

P-258 The management and support to children with seizure in kindergarten and elementary school

Reina Ogata[1], Yukie Yasunaga [1], Kyoko Watanabe [1]

1.Pediatrics,National hospital Organization Kokura Medical Center,Fukuoka,Japan

P-259 Sudden unexpected death in epilepsy (SUDEP) in childhood : report of two cases

Shinichiro Morichi[1], Yoshiaki Okuma [2], Mika Takeshita [1], Natsumi Morishita[1], Yu Ishida[1], Shingo Oana[1], Gaku Yamanaka[1], Takeji Matsushita[2], Hisashi Kawashima [1]

1.Department of Pediatrics, Tokyo Medical University, Tokyo, Japan 2.Department of Pediatrics, National Center for Global Health and Medicine, Tokyo, Japan

P-260 The progress report of European Register of Antiepileptic Drugs and Pregnancy(EURAP) in JAPAN

Hideyuki Ohtani[1], Masaki Tanaka [2], Mutsuo Sasagawa [0], Masahiro Mizobuchi[4], Katuyuki Fukushima[5], Masaaki Katou[6], Yushi Inoue[1]

1.National Epilepsy Center Shizuoka Institute of Epilepsy and Neurological Disorders,Tokyo,Japan 2.Tanaka Neurology Clinic,Yokohama,Japan 3.Nishi-Nigata Chuo National Hospital Epilepsy Center,Niigata,Japan 4.Nakamura Memorial Hospital,Sappolo,Japan 5.Fukushima Neuro Clinic,Nanaecho,Japan 6.Musasino-Kokubunji Clinic,Kokubunji,Japan 7.Toyosato Hospital, Tsukuba, Japan

P-261 A case of nonketotic hyperglycemia whose EEG improved by ketogenic diet

Makiko Shimazaki[3], Yumiko Komatsu [1], Yohane Miyata [1], Yuichiro Matsuoka[1], Yoko Nakano[0], Yumiko Ikegami[0], Yukiko Nakamura[3], Akira Oka[4], Kunimasa Yan [1]

1.Department of pediatrics, Kyorin University, Tokyo, Japan 2.Inagi Municipal Hospital, Tokyo, Japan 3.Tokyo Teishin Hospital, Tokyo, Japan 4.Department of Pediatrics, University of Tokyo, Japan

P-262 Three cases of progressive cerebral white matter disorder that ketogenic diet made higher efficacy

Atsushi Yokoyama[1], Tomohiro Kumada [1], Ikuko Hiejima [1], Mioko Mori[1], Minoru Shibata[1], Anri Hayashi[1], Fumihito Nozaki[1], Kanako Maizuru[1], Tatsuya Fujii [1]

1.Shiga Medical Center for Children, Moriyama, Japan

P-263 The efficacy and safety of levetiracetam and lamotrigine in child epilepsy

Noriko Sawaura[1], Kazuhiro Muramatsu [1], Tomomi Ogata [1], Toshino Motojima[1,2], Keiko Tomita[1], Nishiki Makioka[1], Kyoko Hazama[1], Kuniko Ida[1], Miho Kobayashi [1], Hirokazu Arakawa [1]

1.Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan 2.Department of Pediatrics, Motojima General Hospital, Gunma, Japan

P-264 Has the sequela of status epilepticus been exacerbated by the continuous benzodiazepine injection?

Keisuke Nakajima[1,2], Haruo Okado [1], Shinobu Hirai [1]

1.Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan 2.Tokyo Medical and Dental University

P-265 An infantile case of early post traumatic seizures successfully treated with fosphenytoin.

Yoko Hoshino[1], Rumiko Takayama [1], Shinobu Fukumura [1], Toshihide Watanabe[1]

1.Hokkaido Medical Center for Child Health and Rehabilitation Department of Neurology, Sapporo, Japan

P-266 Efficacy of potassium bromide for intractable epilepsy in childhood

Kazuo Kodama[1], Taku Omata [1], Yukiko Iida [1], Yoshimi Watanabe[1], Kaori Muta[1], Yuzo Tanabe[2]

1.the Department of Child Neurology, Chiba Children's Hospital, Chiba, Japan 2.Soga Pediatric Clinic, Chiba, Japan

P-267 The effect of ACTH therapy for thyroid function

Shinpei Abe[1], Ayuko Igarashi [1], Mitsuru Ikeno [1], Tomoyuki Nakazawa[2], Shinichi Niijima[3], Toshiaki Shimizu[1], Akihisa Okumura[4]

1.The Department of Pediatrics, Juntendo University, Tokyo, Japan 2.The Department of Pediatrics, Juntendo University Urayasu Hospital, Chiba, Japan 3.The Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan 4.The Department of Pediatrics, Aichi Medical University, Aichi, Japan

P-268 Study on drug change from valproic acid in adolescent and adult female patient with epilepsy

Takeshi Miyamoto[1], Tokiko Fukuda [2]

1.Department of Pediatrics Hamamatsu Medical Center, Hamamatsu, Japan 2.Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan

P-269 4 cases with secondary amenorrhea after taking valproate

Yoshikazu Kitami[1], Sahoko Miyama [2], Masahiro Goto [3], Yukihiro Hasegawa[3]

1.The Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan 2.The Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan 3.The Department of Endocrinology & Metabolism, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

P-270 Two case reports of thrombocytopenic after taking carbamazepine

Kenji Inoue[1], Yumi Fujihara [1], Shigehiro Nagai [1], Sizuka Matuoka[1], Tomoko Kirino[1], Shoichi Endo[1]

1.Shikoku Medical Center for Children and Adults, Kagawa, Japan

P-271 A case of SMA1 who continued the comprehensive support by the multidisciplinary cooperation

Mio Watanabe[1], Kengo Moriyama [1], Takashi Shiihara [1], Yumiko Usuda[2]

1.The Department of Neurology, Gunma Children's Medical Center, Gunma, Japan 2.The Department of Rehabilitation, Gunma Children's Medical Center, Gunma, Japan

P-272 10-year-old girl Calpainopathy an admission characteristic CT findings

Yusei Babs[1], Kenji Watanabe [1], Chihiro Yonee [2], Hisami Inoue[1], Shinsuke Maruyama[3], Nozomi Sano[2], Kazuyuki Yotsumata[1]

1.Pediatrics,Kagoshima City Hospital, Kagoshima, Japan 2.Pediatrics, Nashonal Hospital Organization South Kyushu Hospital, Kagoshima, Japan 3.Pediatrics,Kagoshima Univercity Hospital,Kagoshima, Japan

P-273 A novel SEPN1 mutation in a girl with multiminicore disease

Akihiko Miyauchi[1], Satoko Miyatake [2], Eriko Koshimizu [2], Karin Kojima[1], Yukifumi Monden[1], Ichizo Nishino[3], Naomichi Matsumoto[2], Hitoshi Osaka[1], Takanori Yamagata [1]

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Kanagawa, Japan 3.National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan

P-274 Magnetic resonance imaging changes of leg muscles in the assessment of juvenile dermatomyositis

Ikuhiko Shibuya[1], Akihiko Ishiyama [1], Hirohumi Komaki [1], Eri Takeshita[1], Yuuko Motohashi[1], Takashi Saitou[1], Eiji Nakagawa[1], Kenji Sugai[1], Ichizou Nishino [2], Nasayuki Sasaki [1]

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

P-275 Three cases with ICU-acquired weakness in pediatric intensive care unit.

Hiromi Arai[1], Naoki Shimizu [2], Sahoko Miyama [1]

1.Department of Neurology,Tokyo Metropolitan Children's Medical Center,Tokyo,Japan 2.Department of Pediatric Emergency & Critical Care Medicine,Tokyo Metropolitan Children's Medical Center,Tokyo,Japan

P-276 A case of annual migration myelitis

Hiroki Kubota[1], Tamami Yano [1], Tutomu Takahashi [1]

1.Department of Pediatrics, Akita University Graduate School of Medicine

P-277 Intravenous immunoglobulin together with methylpredonisolone pulse therapy for brachial plexitis

Tsukasa Higuchi[1]

1.The Department of General Pediatrics, Nagano Children's Hospital, Azumino, Japan

P-278 Pediatric autoimmune autonomic ganglionopathy: a case report

Takuya Yokota[1], Tohru Okanishi [1], Osamu Higuchi [2], Shunya Nakane[2], Hideo Enoki[1]

1.Seirei Hamamatsu General Hospital, Hamamatsu, Japan 2.Department of Clinical Research, Nagasaki Kawatana Medical Center, Nagasaki, Japan

P-279 Two suspected cases with recurrent idiopathic palsy of extra-ocular muscles

Koki Nikaido[1], Kentaro Kawamura [1], Shinobu Fukumura [1], Nobutada Tachi[1]

1. Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan

P-280 A case of Charcot-Marie-Tooth Neuropathy X Type 5 with PRPS1 gene mutation

Takafumi Sakakibara[1], Yasuko Sawai [2], Toru Hoshida [3], Midori Shima[1]

1.Department of Pediatrics, Nara Medical University, Nara, Japan 2.Department of Pediatric Neurology, National Hospital Organization Nara Medical Center, Nara, Japan 3.Department of Neurosurgery, National Hospital Organization Nara Medical Center, Nara, Japan

P-281 Dopa-responsive dystonia simulating cerebral palsy

Masahiro Kikuchi[1], Akiyoshi Hiraki [1], Haruo Shintaku [2]

1.Department of Pediatrics, Hitachi General Hospital, Hitachi, Japan 2.Department of Pediatrics, Osaka City University School of Medicine, Osaka, Japan

P-282 A case of atypical postpump chorea associated with autoimmune antibodies

Masaru Matsukura[1], Reina Ogata [1], Ryouko Nakamura [1], Kouhei Haraguchi[1], Pinfee Chong[1], Hiroshi Sakuma[2], Ryutaro Kira[1]

1.Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan 2.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-283 Clinical utility of arterial spin labeled MRI in childhood and adolescence with headache

Tasuku Kitajima[1,2], Tatsuharu Sato [1], Nanako Nishiguchi [1], Kiyoko Watanabe[1], Yoshiaki Watanabe[1], Sumito Dateki[1], Reiko Ideguchi[3], Minoru Morikawa[3], Hiroyuki Moriuchi [3]

1.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan 2.Nagasaki Hospital Agency, Nagasaki, Japan 3.Department of Radiology, Nagasaki University Hospital, Nagasaki, Japan

P-284 Vestibular evoked myogenic potentials in a patient with multiple sclerosis

Masayoshi Oguri[1], Susumu Sugihara [1], Akiko Tamasaki[1], Naoki Miyamoto[2], Chisako Fukuda[2], Yoshihiro Maegaki[1]

1.Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University 2.Department of Pathobiological Science and Technology, School of Health Science, Faculty of Medicine, Tottori University

P-285 Persistent abdominal pain and vomiting associated with Autoimmune Autonomic Ganglionopathy

Tetsuya Okazaki[1], Yoko Nishimura [1], Riyo Ueda [1], Susumu Sugihara[1], Kouyou Ohno[1], Aya Narita[1], Akiko Tamasaki[1], Yoshiaki Saito[1], Yoshihiro Maegaki [1], Toshinari Nakane [2], Osamu Higuchi [2]

1.Division of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University, Yonago, Japan 2.Division of Neuroimmunochemistry, Department of Clinical Research, Nagasaki-Kawatana Medical Center, National Hospital Organization, Nagasaki, Japan

P-286 Efficacy of bright light therapy for orthostatic dysregulation presenting difficulty in waking up

Miki Inutsuka[1]

1.Department of Pediatrics, Sasebo Chuo Hospital

P-287 First case report of fever-associated confusional arousal in Japan

Reimi Tsurusawa[1], Naomo Morishima [1], Noriko Nakamura [1], Hitomi Hayashi[1], Atsushi Ogawa[1], Yuji Yamaguchi[2]

1.Department of Pediatrics, Fukuoka University Chikushi Hospital, Fukuoka, Japan 2.Fukuoka Urasoe Clinic