The 54th Annual Meeting of
the Japanese Society of Child Neurology

May 17–19, 2012
Royton Sapporo, Japan

PROGRAM

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Presidential Lecture
Novel therapies for pediatric neurological diseases: overview of the 54th Annual Meeting of Japanese Society of Child Neurology
Tadashi Ariga* (Japan)
*Department of Pediatrics, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Special Lecture
Receiving the Nobel Prize in Chemistry
Akira Suzuki* (Japan)
*Professor Emeritus, Hokkaido University, Hokkaido, Japan

Invited Lecture
AAV-mediated gene therapy for lysosomal storage diseases with neurological features
Miguel Sena-Esteves (USA)
*Department of Neurology and Gene Therapy Center, University of Massachusetts Medical School, Worcester, MA, USA

[ Theme 1 ] Road to the future of regenerative medicine in child neurology

Keynote Lecture
Modelling the pathophysiology of neurodegenerative and neuro-developmental diseases using iPS cell technology
Hideyuki Okano* (Japan)
*Department of Physiology, Keio University School of Medicine, Tokyo, Japan

Symposium : Regenerative medicine using iPS cells; is it a future therapy for pediatric neurological disorders?
Chairs : Yukitoshi Takahashi1, Shinji Saitoh2 (Japan)
1National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
2Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

1) Applications of iPS cell research for the analysis of molecular pathogenesis and the development of novel therapeutic strategies of CNS malformations
Yonehiro Kanemura* (Japan)
*Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan / Department of Neurosurgery, Osaka National Hospital, National Hospital Organization, Osaka, Japan

2) Epilepsy Research with iPS cells
Shinichi Hirose* (Japan)
*Department of Pediatrics, Fukuoka University, Fukuoka, Japan / Research Institute for The Molecular Pathomechanisms of epilepsy, Fukuoka, Japan

3) iPS cell-based cell therapy of muscular dystrophy
Yuko Suzuki*, Shin-ichi Takeda (Japan)
*National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

[ Theme 2 ]

Symposium : Appeal from Hokkaido for the better quality of clinical care in our community for disabled children
Chairs : Kazuhiro Cho1, Akiko Tsuzuki2 (Japan)
1The Department of Pediatrics, Hokkaido Asahikawa Habilitation Centre for Disabled Children, Hokkaido, Japan
2The Department of Pediatrics, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

1) Questionnaire study for patients with severe motor and intellectual disabilities in Hokkaido and comparison to other areas in Japan
Shinji Saitoh* (Japan)
*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

2) The present conditions of the support of persons with severe motor and intellectual disabilities that Hokkaido Ryoikuen do
Azuma Hiramoto* (Japan)
*Hokkaido Ryoikuen, Hokkaido, Japan

3) The present situation and the future for patients with neuromuscular and neurological disease using home mechanical ventilation
Yuka Ishikawa*, Yutotshi Ishikawa, Ryuju Minami (Japan)
*Department of Pediatrics, National Organization Yakumo Hospital, Hokkaido, Japan

4) Building a community network for a "barrier-free" environment: TEACCH program tells us about making our community more friendly to everyone
Kazutoshi Takahashi* (Japan)
*Oshima Regional Rehabilitation Center for Children in Need, Hokkaido, Japan

5) Examination about the present condition and the subject of ADHD
Akiko Araki* (Japan)
*Department of Pediatrics, Asahikawa Medical University, Hokkaido, Japan

6) Support for Disabled Children in Hokkaido
Isao Furukawa* (Japan)
*Department of Health and Welfare Bureau of Welfare Health and Welfare Division for the Disabled, Hokkaido Government, Hokkaido, Japan
1) About the input device and move supportive device which support the self-reliance of the child who cannot move by himself, and development
Kiyomi Matsuo* (Japan)
*Faculty of Medicine, Saga University, Saga, Japan

2) DTI and MR imaging analysis for children with motor disability -from a radiologist’s point of view-
Shoko Yoshida* (USA)
*The Russell H. Morgan Department of Radiology and Radiological Science, Johns Hopkins University School of Medicine, Baltimore, MD, USA

1) Role of antibodies to glutamate receptors
Yukitoshi Takahashi* (Japan)
*National epilepsy center, Shizuoka, Japan

2) Clinical picture of Rasmussen encephalitis – Result of nationwide survey
Hirokazu Oguni* (Japan)
*Department of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan

3) Acute encephalitis with refractory, repetitive partial seizures
Hiroshi Sakuma* (Japan)
*Department of Pediatrics, Nippon Medical School, Tokyo, Japan

4) Clinical features and pathophysiology in anti-NMDA receptor encephalitis
Takahiro Iizuka* (Japan)
*Department of Neurology, Kitasato University, School of Medicine, Kanagawa, Japan

1) Child neurology and a robot suit
Yoshiyuki Sankai* (Japan)
*Graduate School of Systems and Information Engineering, University of Tsukuba, Ibaraki, Japan

2) DecNef-decoded fMRI neurofeedback- and Child neurology
Mitsuo Kawato* (Japan)
*Advanced Telecommunications Research Institute International, Kyoto, Japan

3) Diversity of quality-of-life technology for alternative communication and mobility aids
Shuichi Ino* (Japan)
*Human Technology Research Institute, National Institute of Advanced Industrial Science and Technology, Ibaraki, Japan

Educational Lecture 1
Development of biological clock and sleep-wake rhythm: application of chronobiology to pediatrics
Sato Honma* (Japan)
*Department of Chronomedicine, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Educational Lecture 2
Pediatric moyamoya disease – Trace of research and perspectives
Kiyohiro Houkin* (Japan)
*Department of Neurosurgery, Hokkaido University Graduate School of Medicine, Hokkaido, Japan
Educational Lecture 3
Glutamate signaling and neural plasticity
Masahiko Watanabe* (Japan)
*Department of Anatomy, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Educational Lecture 4
Autism spectrum disorder and oxytocin in relation to CD38
Haruhiro Higashida*, Toshio Munesue
*Research Center for Child Mental Development, Kanazawa University, Kanazawa, Japan

Educational Lecture 5
Clinical application of high-field MRI for the pediatrician
Yuji Suzuki* (Japan)
*Center for Integrated Human Brain Science, Brain Research Institute, University of Niigata, Niigata, Japan / Niigata National Hospital, Niigata, Japan

Educational Lecture 6
Metabolic myopathy
Ichizo Nishino* (Japan)
*Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

Educational Lecture 7
Recent expansion of advanced genomics in clinical applications
Osamu Ohara* (Japan)
*Department of Human Genome Research, Kazusa DNA Research Institute, Chiba, Japan / Laboratory for Immunogenomics, Research Center for Allergy and Immunology, RIKEN, Kanagawa, Japan

Educational Lecture 8
Epileptic seizure manifestation
Hideo Shigematsu* (Japan)
*National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Educational Lecture 9
Pitfalls of using some types of enteral nutrient formulas and milk
Hiroko Kodama* (Japan)
*Department of Health and Dietetics, Faculty of Health and Medical Sciences, Teikyo Heisei University, Tokyo, Japan

Educational Lecture 10
Genomic disorders: their impact on pediatric neurology
Shinji Saitoh* (Japan)
*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

Symposium 1 : Pediatric epilepsy surgery: Benefits of early diagnosis and surgical treatments
Chairs: Hiroshi Otsubo¹, Nobukazu Nakasato² (Canada, Japan)
¹Division of Neurology, Department of Paediatrics, The Hospital for Sick Children, University of Toronto, Toronto, Canada
²Department of Epileptology, Tohoku University School of Medicine, Miyagi, Japan
Commentator: Shigeki Kameyama¹, Koji Iida² (Japan)
¹Nishi-Niigata Chuo National Hospital, Niigata, Japan
²Department of Neurosurgery, Hiroshima University, Hiroshima, Japan

1) Long-term seizure remission after total corpus callosotomy in pediatric patients with epilepsy
Masaki Iwasaki*, Mitsugu Uematsu, Yako Sato, Tojo Nakayama, Tomoko Kobayashi, Naomi Fukuyo, Kazuhiro Hagninoya, Kazutaka Jin, Shin-Ichiro Osawa, Hisashi Itabashi, Nobukazu Nakasato, Teiji Tominaga (Japan)
*Department of Neurosurgery, Tohoku University Graduate School of Medicine, Miyagi, Japan

2) Pediatric epilepsy surgery, advantage of early recognition of candidates- from developmental outcome-
Nobusuke Kimura*, Yukitoshi Takahashi, Hideo Shigematsu, Katsumi Imai, Koichi Baba, Kazumi Matsuda, Yushi Inoue (Japan)
*National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan

3) Early surgery for intractable infantile epilepsy associated with malformations of cortical development
Akio Takahashi*, Taisuke Otsuki, Ryouko Honda, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Japan)
*Department of Neurosurgery, National Center Hospital of Neurology and Psychiatry, Tokyo, Japan

4) Early surgical intervention for pediatric intractable epilepsy: What is the role of pediatric neurologists?
Tomoyuki Akiyama* (Japan)
*Department of Child Neurology, Okayama University Hospital, Okayama, Japan

5) Cooperation between paediatrician and Neurosurgeon in surgical treatment of childhood epilepsy
Nobuhiko Mikuni* (Japan)
*Department of Neurosurgery, Sapporo Medical University School of Medicine, Hokkaido, Japan
Symposium 2: Update of diagnosis and treatment of inherited metabolic diseases

Chairs: Hiroko Kodama1, Haruo Shintaku2 (Japan)

1Department of Health and Dietetics, Faculty of Health and Medical Sciences, Teikyo Heisei University, Tokyo, Japan
2Osaka City University, Osaka, Japan

1) Hyperphenylalaninemia
Haruo Shintaku* (Japan)
*Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

2) Progress in diagnosis and treatment for mucopolysaccharidoses
Toryuki Okuyama* (Japan)
*Center for Lysosomal Storage Diseases, National Center for Child Health and Development, Tokyo, Japan

3) Update of the treatment for Wilson’s disease and Menkes disease
Hiroko Kodama* (Japan)
*Department of Health and Dietetics, Faculty of Health and Medical Sciences, Teikyo Heisei University, Tokyo, Japan

4) Current status of diagnosis and treatment in adrenoleukodystrophy
Nobuyuki Shimozawa* (Japan)
*Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

Symposium 3: Congenital hypomyelinating leukodystrophy: from genome analysis to diagnosis and treatment

Chairs: Hitoshi Osaka1, Ken Inoue2 (Japan)

1Division of Neurology, Clinical Research Institute, Kanagawa Childrens Medical Center, Kanagawa, Japan
2Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

1) Congenital hypomyelinating leukodystrophy: from genome analysis to diagnosis and treatment
Ken Inoue*, Akiko Iwaki, Kenji Kurosawa, Juniichi Takanashi, Kimiko Deguchi, Toshiyuki Yamamoto, Hitoshi Osaka (Japan)
*Dept. Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

2) Clinical and molecular manifestations of congenital cerebral hypomyelination
Hitoshi Osaka*, Ken Inoue, Hiroto Saito (Japan)
*Division of Neurology, Clinical Research Institute, Kanagawa Childrens Medical Center, Kanagawa, Japan

3) MRI and MR spectroscopy in hypomyelinating disorders
Jun-Ichi Takanashi* (Japan)
*Department of Pediatrics, Kameda Medical Center, Chiba, Japan

4) Establishment of iPS cells from patients with CNS diseases
Keiko Shimojima*, Toshiyuki Yamamoto (Japan)
*Japan Science and Technology Agency, Tokyo, Japan / Tokyo Women’s Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

Symposium 4: Trend of the neurodevelopmental disorders: from the pathogenesis to the social factor

Chairs: Takeo Kubota1, Yushiro Yamashita2 (Japan)

1Department of Epigenetic Medicine, University of Yamanashi, Yamanashi, Japan
2Department of Pediatrics and Child Health, School of Medicine, Kurume University, Fukuoka, Japan

1) The social trend of the developmental disorder of our country
Asayo Ishizaki* (Japan)
*Oji clinic:Division of Medicine The Association of Remedial Teaching for People with Developmental Handicaps, Tokyo, Japan

2) Maternal and intra-uterine nutrition and developmental disorders
Hideoki Fukuda* (Japan)
*Comprehensive Research Organization, Waseda University, Tokyo, Japan

3) The developmental brain function and environmental epigenetic programming
Takae Hirawa*, Satoshi Ishida, Yuriyo Tahara, Akira Endo, Koizumi Schuichi, Kunio Miyake, Takeo Kubota (Japan)
*The Department of Epigenetic Medicine, University of Yamanashi, Yamanashi, Japan

4) Interactive communication between Medical and school staffs in children with developmental disorders
Tatsuya Koeda* (Japan)
*Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan / Department of Clinical Research, National Hospital Organization Tottori Medical Center, Tottori, Japan

5) Social dysfunction in Asperger syndrome as revealed by neuroimage and gaze behavior
Nobunasa Kato* (Japan)
*Showa University Karasuyama Hospital, Tokyo, Japan

6) Pharmacological and behavioral treatment for children with AD/HD: Recent advances
Yushiro Yamashita* (Japan)
*Department of Pediatrics & Child Health, Kurume University School of Medicine, Fukuoka, Japan
Workshop 1 : The lessons from the East Japan Earthquake and Tsunami from a view point of the child neurologist
Chairs : Toshihiko Nakai, Kazuhiro Hagiya (Japan)
1Course of Health Science, Graduateschool of Medicine, Osaka University, Osaka, Japan
2Takuto Rehabilitation Center for Children, Miyagi, Japan
Introduction : Kazu Kominuma (Japan)
*Department of Pediatrics, Red Cross Ishinomaki Hospital, Miyagi, Japan

1) Measures to deal against natural calamities with network of medicine, welfare, and administration
Soichiro Tanaka*, Kazuhiro Hagiya, Keisuke Wakisawa, Satoru Kobayashi (Japan)
*Department of family support, Takuto Rehabilitation Center, Miyagi, Japan / Department of Pediatrics, Takuto Rehabilitation Center, Miyagi, Japan

2) "Rescue 311", E-mail based medical-related consultation system for the earthquake victims
Takashi Shihara* (Japan)
*Department of Neurology, Gunma Children's Medical Center, Shibukawa, Gunma, Japan

3) Psychological Reaction of children affected by the Great East Japan Earthquake
Hirokazu Yoshida* (Japan)
*Miyagi Comprehensive Children's Center, Miyagi, Japan

4) Our medical treatment after the accident of nuclear power plants in Fukushima
Hirokbei Morita* (Japan)
*Fukushima Rehabilitation Center for Children, Fukushima, Japan

5) Mental care and stress management at disaster-stricken area by the earthquake and tsunami: Situation of the children and desired role of the supporters
Hideaki Sato* (Japan)
*Coconet Center for Child Development, Emergency Supportive Team of Miyagi for the Victim of the East Japan Earthquake, Miyagi, Japan

Workshop 2 : Aspects of psychologists in the field of child neurology
Chairs : Yukuo Konishi, Ryoichi Sakuta (Japan)
1Department of Psychology, Doshisha University, Kyoto, Japan
2Center for Child Development and Psychosomatic Medicine, Dokkyo Medical University, Koshigaya Hospital, Saitama, Japan

1) The results of questionnaire for councils and memberships in the Japanese Society of child neurology
Ryoichi Sakuta* (Japan)
*Center for Child Development and Psychosomatic Medicine, Dokkyo Medical University, Koshigaya Hospital, Saitama, Japan

2) Medical Knowledge for psychologists in pediatric neurology practice
Katsuo Sugita* (Japan)
*Division of Child Health, Faculty of Education, Chiba University, Chiba, Japan

3) The clinical psychologist and medical treatment reward
Masaru Tatsuno* (Japan)
*Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan

4) Qualification of psychologist in medicine
Yukuo Konishi* (Japan)
*Department of Psychology, Doshisha University, Kyoto, Japan

5) The assessments and consultation of developmental disabilities required for psychologists
Jiro Ono* (Japan)
*Department of Special Education, Faculty of Education, Wakayama University, Wakayama, Japan

Public Seminar : The present status and problems of Compensation System for Birth Troubles in Japan
Chairs : Kenji Suga, Kouzaburou Aso (Japan)
1Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan
2Department of Pediatrics, Aichi Prefectural Aotori Medical and Welfare Center for the Handicapped, Aichi, Japan

1) Current status and challenges of The Japan Obstetric Compensation System for Cerebral Palsy and a future perspective of reviewing the system; A consideration from Japan Council for Quality Health Care
Shigeru Ueda* (Japan)
*Director and Executive Managing Director of The Japan Compensation System for Cerebral Palsy, Japan Council for Quality Health Care, Tokyo, Japan

2) Problems and requests for a medical certificate in Compensation System for Birth Troubles: suggestion from a pediatric neurologist
Akira Sudo* (Japan)
*Department of Pediatrics, Sapporo City General Hospital, Hokkaido, Japan

3) Experience of creating a medical certificate
Tetsuo Kubota* (Japan)
*Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

4) Perspective and opinion as a member of judging committee
Akira Oka* (Japan)
*Department of Pediatrics, Kyorin University, Tokyo, Japan
5) Significance of Compensation System for Birth Troubles in Japan from a standpoint of obstetricians
Hisanori Minakami* (Japan)
*Department of Obstetrics, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Morning Education Seminar 1 : Joint Researches Supported by Japanese Society of Child Neurology (JSCN)
Chairs : Masayuki Sasaki1, Hideo Sugie2 (Japan)
1Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan
2Department of Pediatrics, Jichi Medical University, Tochigi, Japan

1) National survey and proposal of diagnosis and management for maternal uniparental disomy 14 and its related disorders
Shinji Saitoh* (Japan)
*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

2) Clinical Research of Acute Encephalopathy Associated with Congenital Adrenal Hyperplasia
Hideo Yamanouchi*, Yu-Ichi Abe, Tetsuro Sakai, Masashi Mizuguchi (Japan)
*Department of Pediatrics, Saitama Medical University Shool of Medicine, Saitama, Japan

3) A study on molecular mechanism of juvenile Fahn’s disease (idiopathic bilateral brain calcification)
Isao Hozumi*, Nobuyuki Shimozawa, Toshiyuki Shibata, Takashi Inuduka (Japan)
*Laboratory of Medical Therapeutics and Molecular Therapeutics, Gifu Pharmaceutical University, Gifu, Japan

Morning Education Seminar 2 : Expert opinion: Drug therapy for children with autistic symptoms
Chairs : Takanori Yamagata1, Hideo Sugie1 (Japan)
1Department of Pediatrics, Jichi Medical University, Tochigi, Japan

1) Investigation of drug therapy in children with autistic symptoms
Eiji Nakagawa* (Japan)
*Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

2) Pharmacotherapy of Autistic Disorder Pharmacological treatment of autistic children by a child psychiatrist
Shinji Kurokawa* (Japan)
*Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

3) Pharmacotherapy for Autistic Children in Pediatric Clinic
Shinya Miyamoto* (Japan)
*Human Sciences, University of Tsukuba, Ibaraki, Japan

B&D Seminar : Let’s write your paper in English – Part 2
Chair Makiko Kaga1, Takao Takahashi2 (Japan)
1National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan
2Department of Pediatrics, Faculty of Medicine, University of Koto, Tokyo, Japan

1) Notes on how to write English articles for Japanese authors.
Masaharu Hayashi* (Japan)
*The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

2) A few tips of oral presentation in English
Shinichi Hirose* (Japan)
*Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

3) Why we write English papers? For what, whom, why not Japanese?
Hiroshi Otsubo* (Canada)
*Division of Neurology, The Hospital for Sick Children, Toronto, Canada

Night Seminar 1 : Recent issues concerning paid carers legally allowed to provide medical cares
Chairs : Kiyokuni Miura1, Bunsei Egawa2 (Japan)
1Chair of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Aichi, Japan
2Soleil Kawasaki, Kanagawa, Japan

1) Outline of laws and regulations in medical care - sputum suction and tube feeding etc- by nonmedical staff
Kenji Takagi* (Japan)
*Ministry of Health, Labour and Welfare, Tokyo, Japan

2) Correspondence with a disabled person institution facing legislation abut medical care in community.
Bunsei Egawa* (Japan)
*Soleil Kawasaki, Kanagawa, Japan

3) The present conditions and problem in Hokkaido
Azuma Hiramoto* (Japan)
*Hokkaido Ryoikuen, Hokkaido, Japan

Hokkaido Ryoikuen, Hokkaido, Japan
4) Issues of Daily Medical Care for Children with Severe Disability in Special Schools in Tokyo
Eiji Kitazumi* (Japan)

5) The problems of medical care at the school for handicapped children in Kanagawa prefecture
Yusaku Miyamoto*, Hitoshi Yamamoto (Japan)

*National Rehabilitation Center for Disabled Children, Tokyo, Japan

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Yusaku Miyamoto*, Hitoshi Yamamoto (Japan)

*National Rehabilitation Center for Disabled Children, Tokyo, Japan

Night Seminar 2: Botulinum therapy for children with cerebral palsy

Chairs: Atsuo Nezu1, Nobuaki Iwasaki2 (Japan)

1Clinic for Child Neurology Yokohama Residential Care and Medical Centre for Developmentally Disabled Person, Kanagawa, Japan

2Department of Pediatrics, Ibaraki Prefectural Medical College Center Hospital, Ibaraki, Japan

1) Botulinum therapy of children with disabilities to quadriplegia in the outpatient
Mitsuko Ishii* (Japan)

*Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan

2) Severe respiratory distress coincided with the course of the treatment of cervical dystonia with type A botulinum toxin (BoNT-A) in the 2 adults with severe cerebral palsy
Sui Sone*, Katsuhito Araki, Hiroshi Hamaguchi, Yoshiko Takeda, Takeharu Eoze, Harumi Sajo, Tsunenori Hiyama, Mayumi Okada, Hisaharu Suzuki, Kiyoko Kurata (Japan)

*Tokyo Metropolitan Higashiyamato Medical Center for Developmental/Multiple Disabilities, Tokyo, Japan

3) Effects of botulinum toxin type A in children and adolescents with spastic tetraplegia
Nobuaki Iwasaki*, Yuuji Nakayama, Yukio Shimizu, Satoshi Ibara, Naoko Nishigami, Hideyo Kinugasa, Ema Inada, Kenji Shin, Hideo Sato (Japan)

*Department of Pediatrics, Ibaraki Prefectural University of Health Science, Inashiki, Ibaraki, Japan

4) Domestic expert opinions about botulinum toxin treatment for children
Atsuo Nezu* (Japan)

*Clinic for Child Neurology Yokohama Residential Care and Medical Centre for Developmentally Disabled Person, Kanagawa, Japan

The 6th Child Sleep Group Meeting

Chairs: Kyoko Hoshino1,2, Yoko Asaka2 (Japan)

1Department of Pediatrics Minamiwakayama medical center, Wakayama, Japan

2Faculty of health sciences, Hokkaido University, Hokkaido, Japan

1) A 13-year-old girl with night screaming
Kumi Kato*, Yukari Saito, Ayano Saso, Akiyo Takashima, Tomoko Yagi (Japan)

*Ota Memorial Sleep Center, Kanagawa, Japan

2) A 13-year old boy who suffered from irritability in coarse of FRD to DSPD, a case report
Kyoko Hoshino* (Japan)

*Department of Pediatrics, Minamiwakayama Medical center, Wakayama, Japan

3) Importance and difficulty of the treatment to the circadian sleep rhythm disorder in 3 cases of ADD
Shigeo Matsuwasa*, Keiko Owari, Seiki Tajima, Kazumi Takai, Teruhisa Miike (Japan)

*Hyogo Children's Sleep and Development Medical Research Center, Hyogo, Japan

4) Daytime activity and sleep among the children with pervasive developmental disorder and the healthy children
Yukiko Tatsumi*, Ikuko Mohri, Sachiko Shimizu, Yuko Ohno, Masako Taniike (Japan)

*Department of Mathematical Health Science, Graduate School of Medicine, Osaka University, Osaka, Japan

5) Comparison of respiratory effort between before and after adenotonsillectomy based on intercostal EMG
Ayumi Takahashi*, Sayako Teraoka, Satomi Mugii, Asako Okazaki, Kayoko Asahi, Shihoko Kimura, Ikuko Mohri, Noboru Ohki, Kumi Kato, Masako Taniike (Japan)

Laboratory for Clinical Investigation, Osaka University Hospital, Osaka, Japan

6) Skin Potential Response Measurement under Child Sleep
Noboru Ohki* (Japan)

*NoruPro Light Systems, Inc. Tokyo, Japan

7) Analysis of non-REM atonia in routine EEG study—normal value and significance in neurological diseases
Masaya Kubota*, Hiroshi Kashii, Hiroshi Terashima, Sayaka Ohta, Aki Andou (Japan)

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

8) Sleep disorders in the patients at a developmental pediatrics clinic in USA
Michio Fukumizu*, Emma Wojtal, Marie Hayes (Japan, USA)

*Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan / Department of Psychology, University of Maine, USA

9) Predicting Pre-school Children Sleep Disorder with Japanese Sleep Questionaire for Toddler
Sachiko Shimizu*, Kumi Kato, Ikuko Mohri, Yuko Ohno, Masako Taniike (Japan)

*Division of Health Sciences, School of Medicine, Osaka University, Osaka, Japan
10) Behavioral treatment for shaping night sleep habits of healthy infants: Review of the research
   Yoko Asaka*, Satoshi Takada (Japan)
   *Faculty of Health Sciences, Hokkaido University, Hokkaido, Japan / Kobe University Graduate School of Health Sciences, Hyogo, Japan

11) Alteration of child sleep after the opening of hayaoiki site
   Jun Kohyama* (Japan)
   *Tokyo Bay Urayasu/Ishikawa Medical Center, Chiba, Japan

The 4th Annual Meeting of Japanese Society for Pediatric immune-mediated brain diseases: Primary angitis of the CNS in children
   Chair : Akira Oka (Japan)
   The Department of Pediatrics, Kyorin University, Tokyo, Japan

1) Classification and pathology of primary angitis of the CNS in children
   Akira Oka* (Japan)
   *The Department of Pediatrics, Kyorin University, Tokyo, Japan

2) Three cases with primary angitis of the CNS
   Hirofumi Kosuge*, Shiro Ozasa, Keiko Nomura, Shigemi Kimura (Japan)
   *Child Development, Kumamoto University Hospital, Kumamoto, Japan

3) Diagnosis of Primary angitis of the central nervous system (PACNS)
   Sayaka Ohta*, Aki Ando, Hiroshi Terashima, Hirofumi Kashii, Masaya Kubota (Japan)
   *Department of Neurology, National Center for Child Health and Development, Tokyo, Japan

4) A case of primary angitis of the central nervous system with emphasis on treatment
   Shinichi Hirabayashi*, Satoru Hirano, Takafrumi Nishimura (Japan)
   *Division of Child Neurology, Nagano Children's Hospital, Nagano, Japan

5) Secondary angitis of the central nervous system in childhood; neuro-Behcet's disease
   Hiroyuki Torisu* (Japan)
   *The Comprehensive Maternity and Perinatal Care Center, Kyushu University Hospital, Fukuoka, Japan

Morning Seminar
Hypocarnitinemia in Pediatric Practice
   Tetsuya Ito* (Japan)
   *Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences, Aichi, Japan

Luncheon Seminar 1
The Management of Infantile Convulsion
   Shin-ichi Nijima* (Japan)
   *Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan

Luncheon Seminar 2
Advances in the Management of Refractory Epilepsy in Children – a focus on neuromodulation with VNS therapy
   Angus A. Willong* (USA)
   *Pediatrics and Neurology Baylor College of Medicine, Houston, USA

Luncheon Seminar 3
Treatment strategies for refractory epilepsy of childhood
   Hirokazu Oguni* (Japan)
   *Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

Luncheon Seminar 4
The drug treatment strategy for intractable epilepsy in children -How to manage adverse side effects associated with newer AEDs in children?
   Salvatore Grosso* (Italy)
   *Department of Pediatrics, Pediatric Neurology and Neuroendocrinology Unit, University of Siena, Italy

Luncheon Seminar 5
Antiepileptic drugs and pregnancy, focusing on the development influence of prenatal drug exposure
   Yasuko Yamatogi*
   *Professor emeritus, Okayama Prefectural University, Okayama, Japan

Luncheon Seminar 6
Diagnosis and Treatment of Pompe Disease
   Makiko Osawa*
   *Professor of Pediatrics, Tokyo Women’s Medical University, School of Medicine, Tokyo, Japan

Luncheon Seminar 7
Developmental Trauma Disorder and ADHD
   Akemi Tomoda* (Japan)
   *Research Center for Child Mental Development, Fukui University, Fukui, Japan
Luncheon Seminar 8
Medication for ADHD by Brain Science: Default Mode Network and Functional Connectivity
Takashi Hayashi* (Japan)
*Yamaguchi Prefectural University Graduate school of Health and Welfare, Yamaguchi, Japan

Luncheon Seminar 9
Present status of management of status epilepticus in children
Kenji Sugai*
*Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry

Luncheon Seminar 10
Up-to-date treatment strategy for severe hypertonia
1) Strategy for treatment in abnormal hypertonic state from pathophysiological view point
Masaya Kubota* (Japan)
*Division of Neurology, National Medical Center for Children and Mothers, National Center for Child Health and Development, Tokyo, Japan
2) Surgery for hypertonia in childhood
Nobuhito Morota* (Japan)
*Division of Neurosurgery, National Medical Center for Children and Mothers, National Center for Child Health and Development, Tokyo, Japan

Luncheon Seminar 11
Drug treatment for pediatric epilepsy – The usage of new antiepileptic drugs
Hideo Shigematsu* (Japan)
*National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

Luncheon Seminar 12
Gastrostomy: Trend and New Devices
Ryuichi Kusama*
*Department of Pediatrics, Ashikaga-no-mori Ashikaga Hospital

Practical Education Seminar 1
Special seminar in neuroimaging for pediatrician 2012
Chair: Jun-Ichi Takanashi (Japan)
Department of Pediatrics, Kameda Medical Center, Chiba, Japan
1) Normal development and malformations of the brain
Tetsu Niwa*
*Department of Radiology, Kanagawa Children’s Medical Center, Kanagawa, Japan
2) Imaging of normal aging brain
Harushi Mori* (Japan)
*Department of Radiology, Graduate School and Faculty of Medicine, The University of Tokyo, Tokyo, Japan
3) Pediatric neuroimaging in infectious disorders
Jun-Ichi Takanashi* (Japan)
*Department of Pediatrics, Kameda Medical Center, Chiba, Japan
4) Imaging diagnosis of congenital metabolic disorders
Hiroshi Oba* (Japan)
*Department of Radiology, Teikyo University, Tokyo, Japan
5) Relationships between radiological and pathological changes in the brain
Masaharu Hayashi* (Japan)
*The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan
6) Interesting images 2012

Practical Education Seminar 2
Annual Seminar on interpretation of neonatal EEG
Chairs: Akihisa Okumura1, Toru Kato2 (Japan)
1Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan
2Department of Pediatrics, Okazaki City Hospital, Aichi, Japan
1) Conventional and amplitude-integrated EEG in fullterm infants
Tetsuo Kubota* (Japan)
*Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan
2) Conventional and amplitude-integrated EEG in preterm infants
Toru Kato* (Japan)
*Department of Pediatrics, Okazaki City Hospital, Aichi, Japan
3) Conventional and amplitude-integrated EEG in neonatal seizures
   Akihisa Okumura* (Japan)
   *Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

Public Forum : Discussion on current issues in parenting
   Chairs : Tadashi Ariga¹, Shinji Saitoh² (Japan)
   ¹The Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Japan
   ²Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan

Keynote Lecture : Parenting in animals
   Masao Kosuge* (Japan)
   *Asahiyama zoological park curator yuän, Hokkaido, Japan

1) Child-rearing of a developing country
   Kenjiro Narato* (Nepal)
   *Family physician, Nepal

2) Child care and sleep
   Jun Kohyama* (Japan)
   *Tokyo Bay UrayasuIchikawa Medical Center, Chiba, Japan

3) The nutrient of bring up a child
   Hikotaka Shiota* (Japan)
   *NPO Organicsupport, Hokkaido, Japan

English Session A

E-001 Post-surgical outcome in patients with epileptic spasms
   Yukiko Mogami*, Yukitoshi Takahashi, Rumiko Takayama, Hiroko Ikeda, Tomoyuki Akiyama, Katsumi Imai, Hideo Shigematsu,
   Koichi Baba, Yushi Inoue (Japan)
   *National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

E-002 Diffusion tensor imaging in cryptogenic West syndrome : TBSS analysis at one and two years of age
   Jun Natsume*, Tatsuya Fukasawa, Naoko Ishihara, Hiroyuki Yamamoto, Tomoya Takeuchi, Yoshiteru Azuma, Naoki Ando, Tamiko
   Negoro, Kazuyoshi Watanabe (Japan)
   *Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan

E-003 Problems of carry over to adulthood in children with epilepsy
   Yusaku Miyamoto*, Hitoshi Yamamoto, Hiroshi Murakami, Moriko Udagawa, Natsuko Ara, Mio Fukuda, Syuji Hashimoto, Hisako
   Yamamoto (Japan)
   *Department of Pediatrics, St. Marianna University School of Medicine, Kanagawa, Japan

E-004 Prediction of efficacy for partial tonic seizure and side effects of new AEDs by mechanism of action
   Kenji Sugai*, Eiji Nakagawa, Hirofumi Komaki, Yoshiaki Saito, Takashi Saito, Masayuki Sasaki (Japan)
   *Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

E-005 MEG Analysis of Epileptic Spike at Focal Cortical Dysplasia with Spatial Filtering Analysis
   Midori Nakajima*, Kosuke Otsuka, Yuki Ueda, Naoko Ashihina, Shinobu Koibsaka, Hideaki Shiraishi (Japan)
   *Department of Pediatrics, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

[ JSCN Award for Asia-Oceania Young Investigator ]

E-006 Comparison of intravenous midazolam drip with intermittent intravenous diazepam for treating refractory serial seizures in children
   Afshin Fayyazi*, Parvaneh Karimzadeh (Iran)
   *Pediatric Neurologist, Assistant Professor of Hamedan University of Medical Sciences, Hamedan, Iran

English Session B

E-007 Effect of bezafibrate treatment on late-onset mitochondrial myopathy in mice
   Shuichi Yatsuga*, Anu Suomalainen (Japan)
   *The Department of Pediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan / University of Helsinki, Biomedical
   Helsinki, Research Program Unit, Molecular Neurology, Helsinki, Finland

E-008 Flowerymetric diagnosis of Danon disease (LAMP2 deficiency)
   Tomonari Awaysa*, Takeshi Yoshida, Minoru Shibata, Takeo Kato (Japan)
   *Department of Pediatrics, Kyoto University, Kyoto, Japan

E-009 Thyrotropin-releasing hormone therapy in spinal muscular atrophy - 3D motion analysis -
   Zen-ichiro Kato*, Takahide Teramoto, Naomi Kondo (Japan)
   *Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan

E-010 Pathogenic exon-trapping by SVA retrotransposon and rescue in Fukuyama muscular dystrophy
   Mariko Taniguchi-Ikeda*, Yasuhiro Takeshima, Tatsushi Toda (Japan)
   *Divisions of Neurology/Molecular Brain Science, Kobe University Graduate School of Medicine, Hyogo, Japan / Department of Pediatrics, Kobe
   University Graduate School of Medicine, Hyogo, Japan
E-011 The protein complex of short isoform dystrophin in mouse brain
Takenori Tozawa*, Kyoko Ito, Takeshi Yaoi, Masafumi Morimoto, Shinji Fushiki (Japan)
*Department of Pathology and Applied Neurobiology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan / Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan

E-012 Comprasion of two medicines, Deflazacort and Prednison in patients with Duchenne muscular dystrophy
Ahad Ghazavi*, Parvaneh Karimzadeh (Iran)
*Pediatric Neurologist, Assistant Professor of Urmia University of Medical Sciences, Urmia, West Azarbayejan, Iran

E-013 The summary of limbic encephalitis in Tokai Pediatric Neurology Society
Tetsuo Kubota*, Tatsuya Fukasawa, Yoko Sakaguchi, Tamiko Negoro, Shunsuke Ogaya, Yutaka Negishi, Mari Sugimoto, Takeshi Tsuji, Motomasa Suzuki, Naoki Ando, Tetsuya Kibe, Akihisa Okumura, Shinji Saitoh, Jun Natsume, Masaharu Hayashi (Japan)
*Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

E-014 Prolonged hemiparesis after a seizure with fever as an early sign of hemispheric AESD
*Department of Pediatrics, Okazaki City Hospital, Aichi, Japan

E-015 Autoimmune Encephalitis Proven by Immunohistochemical Study
Akihisa Okumura*, Tetsuo Kubota, Motomasa Suzuki, Tatsuya Fukasawa, Shinpei Abe, Mitsuru Ikeno, Mariko Hosozawa, Toshiaki Shimizu, Masaharu Hayashi (Japan)
*Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

E-016 Two pediatric patients with anti-NMDAR encephalitis treated with and without cyclophosphamide
Taku Omata*, Jun-Ichi Takahashi, Yukitoshi Takahashi, Katsuo Sugit, Hidee Arai, Koiti Mitsui (Japan)
*Division of Child Neurology, Chiba Children’s Hospital, Chiba, Japan

E-017 Broad clinical spectrum of three cases of pediatric anti-NMDAR encephalitis
Takahito Wada*, Tadahiro Mitani, Hidekazu Kato, Naoko Yoshihara, Fuyu Miyake, Mariko Akiba, Megumi Tsuji, Mitsuko Okuda, Kyoko Takano, Noriko Aida, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka (Japan)
*Division of Neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan

E-018 Recurrent anti-N-methyl-D-aspartate receptor (NMDAR) encephalitis: A case report
Yasuo Hachiya*, Akinori Uruha, Emi Kasai, Konomi Shimoda, Ikuko Shirai, Satoko Kumada, Eiji Kurihara (Japan)
*The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

English Session C

E-019 Inhaled Nitric Oxide and cerebral oxygenation
Tomoki Maeda*, Naulaers Gunnar (Belgium)
*Katholieke University Leuven, België

E-020 Vitamin E suppresses lipid peroxidation and behavioral impairment in mouse model of Down syndrome
Mototada Shichiri*, Yasukazu Yoshida, Hiroshi Tamai (Japan)
*Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Osaka, Japan / Department of Pediatrics, Osaka Medical College, Osaka, Japan

E-021 Proteomic approaches deciphering the convergent molecular pathways for autism spectrum disorders
Yasunari Sakai*, Shaw Chad A, Dawson Brian C, Al-Mohtaseb Zaina, Dugas Diana V, Toshiro Hara, Zoghbi Huda Y (Japan)
*Department of Pediatrics, Kyushu University, Fukuoka, Japan

E-022 The first nationwide survey of Rett syndrome in Japan
Shin Nabatame*, Yoshiko Nomura, Yushiro Yamashita, Toyoiro Matsuishi, Masaya Segawa, Hisateru Tachimori, Masayuki Itoh (Japan)
*Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan / Department of Pediatrics, National Center for Mental Retardation and Birth Defect Research, National Center of Neurology and Psychiatry, Tokyo, Japan

E-023 Clinically-oriented fNIRS monitoring of MPH effect in ADHD children
Yukifumi Monden*, Ippeita Dan, Masako Nagashima, Takenori Yamagata, Eiju Watanabe, Mariko Momoi (Japan)
*Department of Pediatrics, Jichi Medical University School of Medicine, Tochigi, Japan / Department of Pediatrics, University of Health and Welfare Hospital, Tochigi, Japan

E-024 MR image and outcome of hemiplegic cerebral palsy born at term
Yukihiro Kitia*, Hiroshi Arai, Satoru Hiizai (Japan)
*Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan

English Session D

E-025 Variability in the level of erythrocyte glucose uptake in two patients with the same SLC2A1 mutation
Naoko Ishihara*, Jun Natsume, Keiko Yanagihara, Yoshiteru Azuma, Tomohiko Nakata, Tamiko Negoro, Kazuyoshi Watanabe (Japan)
*Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan
E-026 Three siblings of Leigh syndrome associated with a mitochondrial G3697A mutation
Yutaka Negishi*, Ayako Hattori, Naoki Ando, Tetsuya Ito, Shinji Saitoh, Yuichi Goto
*Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Aichi, Japan

E-027 EEG findings in a patient with propionic acidemia received living donor liver transplantation
Masayoshi Nagao*, Toju Tanaka, Shuji Wakai
*Department of Pediatrics and Clinical Research, NHO Hokkaido Medical Center, Hokkaido, Japan

E-028 Peroxisomal enzyme RNAi and lipid compositions in Zellweger Syndrome and D-BP deficiency
Celine Miyazaki*, Makiko Saitoh, Masashi Mizuguchi (Japan)
*Department of Developmental Medical Sciences, University of Tokyo, Tokyo, Japan

E-029 BTBD9, genetic association with Restless Legs Syndrome, deficient mice show dopaminergic abnormality
Kazuhiro Muramatsu*, Noriko Sawaura, Keiko Kamayachi, Tomomi Ogata, Hirokazu Arakawa (Japan, Germany)
*Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan / Philippus-University Marburg, University Neurology Hospital, Marburg, Germany

E-030 Genetic background of Moyamoya disease: A founder mutation in RNF213 gene and its gene-dose effect
Shigeo Kure*, Fumiaki Kamada, Yoko Aoki, Yu Abe, Atsuo Kikuchi, Shoko Komatsuzaki, Junko Kanno, Yoichi Matsubara, Hajime Touho, Satoko Miyatake, Naomichi Matsumoto (Japan)
*Department of Pediatrics, Tohoku University School of Medicine, Miyagi, Japan

E-031 Diffusion-weighted MR Imaging for the Early Diagnosis of Neonatal Herpes Simplex Encephalitis
Tohru Okanishi*, Hiroyuki Yamamoto, Jun-Ichi Takanashi, Masahiro Hayakawa, Akihisa Okumura (Japan)
*Department of Pediatrics, Seirei-Hamamatsu General Hospital, Shizuoka, Japan / Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan / Division of Neurology, The Hospital for Sick Children, Toronto, Japan

E-032 Successful radiotherapy for cavernous sinus capillary hemangioma with three cranial nerves affection
Gonchar Ivan*, Midori Nakajima, Kosuke Otsuka, Yuki Ueda, Naoko Asahina, Shinobu Kohsaka, Hideaki Shiraishi, Shinji Saitoh (Japan)
*Department of Postgraduate Clinical Education, University Hospital, Hokkaido, Japan

E-033 Predictive value of early radiological findings in inflicted traumatic brain injury
Koji Tanoue*, Kiyoshi Matsui, Ai Kataoka (Japan)
*Department of general medicine, Kanagawa Children’s Medical Center, Kanagawa, Japan

E-034 White-matter involvement in individuals with PWS
Keiho Ogura*, Toshikatsu Fujiy, Nobuhito Abe, Yoshiyuki Hosokai, Mayumi Shinohara, Etsuro Mori (Japan)
*Developmental Disability Section, Department of Rehabilitation for Brain Functions, Research Institute of National Rehabilitation Center for Persons with Disabilities, Tokorozawa, Japan / Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine, Miyagi, Japan

E-035 The role of an occupational therapist at an awake surgery of AVM at the right parietal lobe
Sayoko Kawabata*, Ayatake Fujimoto, Takuya Yokota, Hideo Enoki, Takamichi Yamamoto, Shigenori Ishihara (Japan)
*Occupational Therapy Division, Department of Rehabilitation, Seirei Hamamatsu General Hospital, Shizuoka, Japan

E-036 Pediatric hydrocephalus and epilepsy. Frequency and associations
Satoko Ouchi*, Toshihide Watanabe, Reiki Ohyanagi, Kimio Minagawa, Nobuhiro Mikuni, Hideaki Shiraishi (Japan)
*Department of Neurosurgery, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

E-037 EEG findings in a patient with propionic acidemia received living donor liver transplantation
Koichi Kumagai, Shunsuke Ogaya, Mari Sugimoto, Motomasa Suzuki, Kenji Yokochi, Akhisa Okumura, Shinji Saitoh, Jun Natsume (Japan)
*Department of Pediatrics, University of Tokyo, Tokyo, Japan

E-038 Comparative analyses between deletion and mutation of NSD1 in Japanese patients with Sotos syndrome
Naomi Hino-Fukuyo*, Hiroaki Tomita, Kenji Kurosawa, Nobuhiko Okamoto, Naomichi Matsumoto, Naohiro Kurotaki, Aki Ishikawa, Kazuhito Haginoya, Re Suzuki, Natsuko Ichinokawa, Masako Uematsu, Yuko Satou, Waba Endou, Shigeko Kure (Japan)
*The Department of Pediatrics, University of Tohoku, Miyagi, Japan

E-039 A Clinical feature with trisomy 13 providing under intensive treatment
George Limatuka*, Keiko Tsukada, Hiroshi Suzumura, Osamu Arisaka (Japan)
*Department of Pediatrics, Dokkyo Medical University School of Medicine, Tochigi, Japan

E-040 Topography of Thalamic Lesions in AESD
*Department of Pediatric Neurology, Central Hospital of Aichi Welfare Center, Aichi, Japan

E-041 The analysis of anti-phospholipid antibodies in CNS demyelinating diseases related optic neuritis
Scigo Kurematsu*, Naho Okazaki, Chika Goto, Kazuo Okanari, Tatsuro Iizumi (Japan)
*Department of Pediatrics and Child Neurology, Oita University, Faculty of Medicine, Oita, Japan

E-042 Neuropathology of LBSL caused by a novel homozygous mutation of DARS2
Sumimasu Yamashita*, Mizue Iai, Hitoshi Osaka (Japan)
*Division of Child Neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan
Oral Presentation: East Japan Earthquake related session

O-001 The Japan earthquake and developmental disabilities: pediatric outpatients of Osaki Citizen Hospital
Hiroyuki Yokoyama*, Toshimitsu Iwaki
*School of Nursing, Yamagata University Faculty of Medicine, Yamagata, Japan / Department of Pediatrics, Osaki Citizen Hospital, Miyagi, Japan

O-002 Admission of patients for home medical device power failure: A lesson for the 2011 Japan disaster
Tojo Nakayama*, Mitsugu Uematsu, Masako Yaita, Atsuo Kikuchi, Yu Abe, Naomi Fukuyo, Shigeru Tsuchiya, Shigeo Kure (Japan)
*Department of Pediatrics Tohoku University School of Medicine, Miyagi, Japan

O-003 "Rescue 311", E-mail based medical-related consultation system for the earthquake victims
Takashi Shihara*, Mio Watanabe, Satoko Kumada, Kouji Morita, Shiro Otase, Kaeko Ogura, Mami Goto, Kazuhiro Muramatsu, Aiko Ito (Japan)
*Department of Neurology, Gunma Children's Medical Center, Shibukawa, Gunma, Japan

O-004 The experience of the Great East Japan Earthquake in our hospital
Satoru Kobayashi*, Keisuke Wakisawa, Souichirou Tanaka, Kazuhiro Hagiwara (Japan)
*Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Miyagi, Japan

O-005 Effect and safety of levetiracetam for an intractable epilepsy of children
Koji Tominaga*, Michiko Shinpou, Sayaka Nakano, Junji Azuma, Yoshiko Iwatani, Shihoko Kimura, Kuriko Shimono, Takeshi Okinaga, Toshisaburou Nagai, Keiichi Ozono (Japan)
*Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan

O-006 Effect of levetiracetam for Patients with Intractable Epilepsy
Mitsuhiro Matsuo*, Tetsuo Matsuoka, Tatsuharu Sato, Akiko Fujii, Hiroyuki Moriuchi (Japan)
*Nagasaki Prefectural Center of handicapped children, Nagasaki, Japan

O-007 High dose Lamotrigine therapy for intractable epilepsy VPA+LTG above 200mg/day
Masaki Tanaka* (Japan)
*Tanaka Epilepsy Clinic, Kanagawa, Japan

O-008 Short term effects and psychic adverse events of Levetiracetam for refractory childhood epilepsy
Kuniaki Iyoda*, Kazumori Ogawa, Tomio Okazaki (Japan)
*The Department of Pediatrics, Hiroshima City Hospital, Hiroshima, Japan

O-009 Effectiveness of levetiracetam in case of X-linked lissencephaly with ambiguous genitalia
Makito Saito*, Kenjiro Kikuchi, Shinichiro Hamano, Mitsuhiro Kato, Hiroyuki Ida (Japan)
*Atsugi City Hospital, Kanagawa, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan

O-010 A prospective study on Levetiracetam in an institute for the severely disabled
Tetsuro Nagasawa*, Naoko Kimura, Naho Saito, Wakana Fujishima, So Atsumi, Naoyuki Tanuma, Keiko Tominaga, Michio Fukumizu (Japan)
*Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan

Oral Presentation: Development

O-011 Frequent partial seizures induced by ACTH therapy
Aya Iwata*, Hiroyuki Nigami (Japan)
*Department of Pediatrics, Nishi-Kobe Medical Center, Hyogo, Japan

O-012 The fluctuation of cytokine levels by ACTH therapy in patients with West syndrome
Yamanaka Gaku*, Hisashi Kawashima, Yu Ishida, Shingo Oana, Shinichiro Morichi, Yasuyuki Morishima, Suzuki Kazunori, Miyajima Tasuku, Akinori Hoshika (Japan)
*Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

O-013 Prognosis of bottom shuffler
Kiyosumi Miura*, Osamu Takahashi (Japan)
*Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Aichi, Japan

O-014 A developmental change of the face recognition in the infancy of the preterm infant
Yukihiko Konishi*, Tomoko Nishida, Kenichi Isobe, Susumu Itoh (Japan)
*Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa, Japan

O-015 The Effect of Sharing Books on the Development of Interest to the Characters – An Eye Tracking Study
Akihiko Kato*, Takayuki Okabe, Keiko Takeuchi, Reko Takaya, Toshiyuki Mori, Chiyoko Tanide (Japan)
*Research Center for Child Mental Development, Fukuoka, Japan

O-016 The effects of story-telling through a picture book on the frontal lobe activity in children
Kenji Mori*, Hiromichi Ito, Tatsuo Mori, Aya Goji, Masahito Miyazaki, Masafumi Harada, Shoji Kagami
*Department of Pediatrics, University of Tokushima Graduate School, Tokushima, Japan
O-017 Quantitative assessment of balance functions by tri-axial accelerometers
Ryota Eguchi*, Atuko Sanmi, Satoshi Takada (Japan)
*Health Sciences, Kobe University Graduate School, Hyogo, Japan

O-018 Development of achievement test of arithmetic
Hideo Nagao* (Japan)
*Department of Special Support Medicine, Faculty of Education, Ehime University, Ehime, Japan

Oral Presentation: Acute Encephalopathy 1

O-019 Can we distinguish AESD from prolonged febrile seizures by early EEG findings?
Tatsuya Fukasawa*, Tetsuo Kubota, Tomohiko Nakata, Takeshi Tsuji, Motomasa Suzuki, Naoki Ando, Akihisa Okumura, Shinji Saiot, Jun Natsume (Japan)
*Department of Pediatrics, Anjo-kosei Hospital, Aichi, Japan

O-020 Retrospective study of Acute Encephalopathy with AESD concerning early diagnosis
Hiroko Tada*, Jun-Ichi Takanashi, Takanori Yamagata, Hideo Okuno, Masaya Kubota, Tsuyoshi Kawano, Takashi Shihara, Shin-Ichi Hamano, Shin-Ichi Hirose, Masashi Mizuguchi (Japan)
*Department of Pediatrics, Chiba Saiseikai Narashino Hospital, Chiba, Japan

O-021 Biphase seizures and late reduced diffusion following acute lidocaine toxicity
Hitomi Sano*, Hisako Sageshima, Akira Sudo, Nobuaki Kawamura (Japan)
*Department of Pediatrics, Sapporo City General Hospital, Hokkaido, Japan

O-022 Serial change of brain atrophy in AESD-type acute encephalopathy
*Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan

O-023 Clinical study of anticonvulsant for the patients with AESD
Naoki Ando, Kiyohi Kajiyama, Motomasa Suzuki, Naoki Hayashi, Nakato Nakata, Takeshi Tsuji, Tetsuo Kubota, Akihisa Okumura, Jun Natsume, Shinji Saiot (Japan)
*Department of Pediatrics and Neonatology, Chiba Saiseikai Narashino Hospital, Chiba, Japan

O-024 Clinical consideration of acute encephalopathy with biphase seizures and late reduced diffusion
Takahiro Ikeda*, Masato Mori, Takanori Yamagata, Akiko Miyauchi, Masako Nagahima, Tokiko Fukuda, Yasuyuki Nozaki, Hideko Sugie, Mariko Momoi (Japan)
*Department of Pediatrics, Jichi Medical University, Tochigi, Japan

O-025 Induced Hypothermia/Normothermia Prevents Excitotoxic Neurological Damage in Acute Encephalopathy
Masahiro Nishiyama*, Kyoko Fujita, Azusa Maruyama, Hiroki Nagase (Japan)
*Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Hyogo, Japan

Oral Presentation: Developmental Disorder 1

O-026 Outcome of extremely low birthweight infants
Keiko Koterazawa*, Kanae Takenaka, Yuka Okada, Hiroyoshi Miyata (Japan)
*Himeji City Center for the Handicapped, Himeji, Hyogo, Japan

O-027 Pervasive developmental disorders in the children with periventricular leucomalasia.
Kuniaki Fukuda*, Toshiaki Hashimoto (Japan)
*The Department of Neuropediatrics, Asada General Hospital, Kagawa, Japan

O-028 Early language development and social cognition in children with Williams syndrome (part one)
Mioh Nakamura*, Sayuri Douyuu, Yukako Muramatsu, Masahiro Hirai, Hirokazu Kurahashi, Seiji Mizuno (Japan)
*Department of neuroscience, Institute for Developmental Research, Aichi Human Service Center, Aichi, Japan

O-029 Early language development and social cognition in children with Williams syndrome (part two)
Yukako Muramatsu*, Sayuri Douyuu, Masahiro Hirai, Hirokazu Kurahashi, Seiji Mizuno, Mioh Nakamura (Japan)
*Institute for Developmental Research Aichi Human Service Center, Kasugai, Japan / Department of Pediatrics, Central Hospital, Aichi Human Service Center, Aichi, Japan

O-030 Developmental outcome of maternal uniparental disomy of chromosome 14
Yumi Takahashi*, Hiroshi Ozawa, Naoko Aihana, Jun Tohyama, Mitsuhiro Kato, Masaya Kubota, Ushio Ohtaki, Takehiro Ishizuka, Kiyoshi Arimoto, Sutochi Kimiya, Shinji Saiot (Japan)
*Department of Pediatrics, Shimada Ryoiku Center, Tokyo, Japan

O-031 Developmental disorders in a rat with Scl1a missense mutation
Iori Ohmori*, Mamoru Ouchida (Japan)
*Department of Physiology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan
Oral Presentation: Developmental Disorder 2
O-032 Evaluation of ADHD in children’s home
Naomitsu Suzuki* (Japan)
*Tsukuba Clinic for Mental Sick Children & Adolescents, Ibaraki, Japan

O-033 An investigation of the quality of life in children with Attention-Deficit/Hyperactivity Disorder
Fumikazu Sano*, Tomoko Tando, Hideaki Kanemura, Kanzu Sugita, Masao Aihara (Japan)
*Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan

O-034 NIRS response to visual stimulation by facial images to assess autistic aspects in AD/HD
Keiichi Shimamura*, Hiroko Ichikawa, Emi Nakato, Masami K, Yamaguchi, So Kanazawa, Ryoichi Sakuta (Japan)
*Center for Child Development and Psychosomatic Medicine, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan

O-035 Risk factors of autism spectrum disorder
Toru Kurokawa*, Yuku Yokomizo, Sooyoung Lee (Japan)
*Department of Neurology (Division of Pediatrics), Seisi Rehabilitation Hospital, Fukuoka, Japan

O-036 Studies of parental age and neonatal abnormalities in Autism Spectrum Disorders
Yoko Sugie*, Tokiko Fukuda, Yusuaku Endo, Yumi Kono, Noriko Oguro, Jun Shimizu, Hideo Sugie (Japan)
*Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan / Aoi-cho Children’s Clinic, Shizuoka, Japan

O-037 Utility of the Japanese version of the DN-CAS for the assessment of children with ASD
Kitami Hayashi*, Ayako Muto, Yuri Shirato, Yoko Moriyama, Keiko Watanabe, Misako Akiyama (Japan)
*Division of Neurology and Developmental Pediatrics, Tokyo Women’s Medical University Yachiyo Medical Center, Chiba, Japan

Oral Presentation: Imaging
O-038 Clinical and MR features of periventricular venous infarction
Katsumi Hayakawa*, Shoko Yoshida, Yuuriko Yamori, Toyoko Kanda, Naoko Yoshida, Haruyo Hirota, Mika Iwami (Japan)
*The Department of Radiology, Kyoto City Hospital, Kyoto, Japan

O-039 A case of nonaccidental infant head injury with bright tree appearance findings in DWI
Yo Okizuka*, Nozomi Tuchiya, Yoshinori Okumura, Hideo Alba (Japan)
*PICU, Shizuoka Children Hospital, Shizuoka, Japan

O-040 A case of Pelizaeus-Merzbacher disease received repeated 1H-MRS to evaluate evolucional changes
Mori Tatsu*, Kenji Mori, Hiromichi Ito, Aya Goji, Masahito Miyazaki, Masafumi Harada, Kenji Kurosawa, Shoji Kagami (Japan)
*Department of Pediatrics, The University of Tokushima Graduate School, Tokushima, Japan

O-041 1H-MRS analysis in AD/HD brain
Hiromichi Ito*, Kenji Mori, Masafumi Harada, Tatsuo Mori, Aya Goji, Masahito Miyazaki, Shojo Kagami (Japan)
*Department of Pediatrics, University of Tokushima, Tokushima, Japan

O-042 Evaluation of hippocampal development and infolding retardation from children to adults using MRI
Toshinori Kato*, Kayoko Yoshino, Noriyuki Oka (Japan)
*Department of Brain Environment Research, KATOBRAIN Co., Ltd. Tokyo, Japan

Oral Presentation: Muscular Disorder 1
O-043 National survey on Ullrich type congenital muscular dystrophy
Takahiro Yonekawa*, Hirofumi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Mari Okada, Yukiko Hayashi, Ikuya Nonaka, Ichizo Nishino (Japan)
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O-044 Evaluate the clinical feature of scoliosis in patients with Fukuyama congenital muscular dystrophy
Terumi Murakami*, Keiko Ishigaki, Takatoshi Sato, Makiko Osawa (Japan)
*Department of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan / Department of Pediatrics, Saitama Saiseikai Kurihashi Hospital, Saitama, Japan

O-045 RYR1 mutation cause a novel congenital myopathy with bimodal fiber type disproportion
Akihiko Ishiyama*, Yukiko Hayashi, Hirofumi Komaki, Takashi Saito, Yoshiaki Saito, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Ichizo Nishino (Japan)
*Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

O-046 A case of congenital myotonia with mutations in chloride channel gene
Koji Ori*, Eiji Matsukuma, Satoko Nishimura, Naoki Matsuo, Emiko Kojima, Kanako Maruta, Atsumi Imamura (Japan)
*Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan / Orii Clinic, Gifu, Japan

O-047 Paramyotonia congenita in a 5-year-old boy with muscle hypertrophy
Ryota Kawakami*, Teruhiko Suzuki, Yusuaku Endo, Tomoko Matsubayashi, Tsutomu Ogata, Kouchi Hirano, Shinichi Sakoda (Japan)
*Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan
O-048 A case of juvenile steroid dependent dermatomyositis successfully treated with cyclosporine-A
Shizuka Matsuoka*, Yumi Fujihara, Shigeo Nagai, Tomoko Kirino, Shoichi Endo (Japan)
*The Department of Neurology, Kagawa National Children Hospital, Kagawa, Japan

Oral Presentation: Muscular Disorder 2

O-049 Pervasive developmental disorder in patients with Duchenne muscular dystrophy (1): Assessed by PARS
Yuko Iwata*, Saki Shibata, Haruo Fujino, Toshio Saito, Tsuyoshi Matsumura, Osamu Imura (Japan)
*The Graduate School of Human Sciences, Osaka University, Osaka, Japan

O-050 Pervasive developmental disorder in patients with Duchenne muscular dystrophy (2): Assessed by SRS
Saki Shibata*, Yuko Iwata, Haruo Fujino, Toshio Saito, Tsuyoshi Matsumura, Osamu Imura (Japan)
*Graduate School of Human Sciences, Osaka University, Osaka, Japan

O-051 Increased excretion of urinary metabolites of prostaglandin D2 in Duchenne muscular dystrophy cases
Taku Nakagawa*, Tomoko Lee, Hiroyuki Awano, Mariko Yagi, Masafumi Matsuo, Yasuhiro Takeshima (Japan)
*Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan

O-052 The effect of low-dose steroid therapy for cardiomyopathy in Duchenne muscular dystrophy
Keiko Ishigaki*, Ikuko Kato, Terumi Murakami, Takatoshi Sato, Sachiko Kajino, Takashi Saito, Makiko Osawa (Japan)
*Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan

O-053 Molecular diagnosis of three patients with autosomal dominant Emery-Dreifuss muscular dystrophy
Yukitoshi Ishikawa*, Yuka Ishikawa (Japan)
*Department of Pediatrics, Pediatric Neurology, National Hospital Organization Yakumo Hospital, Hokkaido, Japan

Oral Presentation: Neonatology

O-054 Quantitative analysis of aEEG in preterm infants within 6 hours after birth: Prediction of PVL
Toru Kato*, Fumio Hayakawa, Takeshi Tsuji, Akinobu Taniguchi, Jun Natsume, Akihisa Okumura (Japan)
*Department of Pediatrics, Okayama City Graduate Hospital, Aichi, Japan

O-055 Cerebral blood flow in neonatal mice and rats with hypoxic-ischemic brain injury
Masahiro Tsuji*, Tomoaki Ikeda (Japan)
*Department of Regenerative Medicine & Tissue Engineering, National Cerebral and Cardiovascular Center, Osaka, Japan

O-056 Cerebellar atrophy in patients of cerebral palsy - premature infants
Satoru Kobayashi*, Yu Abe, Keisuke Wakusawa, Souichiro Tanaka, Kazuhiro Hagiwara (Japan)
*Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Miyagi, Japan

O-057 Cerebellar atrophy in patients of cerebral palsy - hypoxic-ischemic encephalopathy in term infants
Satoru Kobayashi*, Yu Abe, Keisuke Wakusawa, Souichiro Tanaka, Kazuhiro Hagiwara (Japan)
*Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Miyagi, Japan

O-058 Child Abuse in the Community-Its Reality, Back Ground and Treatment-
Yoshio Takahashi*, Hideaki Shiraishi (Japan)
*Department of Pediatric Neurosurgery, Okayama and Tomakomai Neurosurgical Hospital, Hokkaido, Japan

O-059 13 cases of Shaken baby syndrome in infant home
Yu Tsuyusaki*, Yoshisasa Oishi, Seijiuro Aso (Japan)
*The Department of Pediatrics, Japanese Red Cross Medical Center, Tokyo, Japan

Oral Presentation: Autonomic Nerve, Peripheral Nerve, Headache

O-060 Autonomic dysfunction detected by heart rate variability analysis in patients with cyclic vomiting
Ayaka Hattori*, Naoki Ando, Yutaka Negishi, Tetsuya Ito, Shinji Saitoh (Japan)
*The Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences, Aichi, Japan

O-061 Efficacy of ramelteon on sleep disorders in child neuropsychiatric diseases
Sayaka Ohita*, Aki Ando, Hiroshi Terashima, Hirofumi Kashii, Masaya Kubota (Japan)
*Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

O-062 Guillain Barre syndrome in three children
Junichi Yokoyama*, Nobuyoshi Sugiyama, Mariko Ikegami, Yoshihiro Miyashita, Shinichi Matsuda (Japan)
*Department of Pediatrics, Osaka Medical College Hospital, Osaka, Japan

O-063 Clinical Evaluation of Chronic Demyelinating Polyneuropathy
Hitomi Tsuji*, Hisashi Kawakami, Asako Horino, Takeshi Inoue, Megumi Nukui, Shin Okazaki, Kiyotaka Tomiwa (Japan)
*Osaka City General Hospital, Osaka, Japan

O-064 Promoter assay for SMA patient who have milder symptoms than expected by SMN2 gene dosage analysis
Satoru Morikawa*, Taku Nakagawa, Koji Tominaga, Takeshi Okinaga, Noriyuki Nishimura, Yasuhiro Takeshima, Masafumi Matsuo, Hishihide Nishio (Japan)
A case of the boy who experienced the neuromyotonia in his bilateral lower legs
Nobuyasu Ono*, Muneaki Matsuo (Japan)
*The Department of Pediatrics, University of Saga, Saga, Japan / The Department of Pediatrics, Ureshino Medical Center, Saga, Japan

O-066 A case of molybdenum cofactor deficiency with a diagnosis of cerebral palsy
Kenjiro Kikuchi*, Shin-Ichiro Hamano, Erika Nakashima, Kotoko Sugaya, Ryuki Matsuura, Manabu Tanaka, Motoyuki Minamitani, Kimiyoshi Ichida, Hiroyuki Ida (Japan)

O-067 Nation wide survey of treatment for Wilson disease patients with neurologic disturbances in Japan
Norikazu Shimizu*, Misako Inoue, Ayako Ogawa, Tsugutoshi Aoki (Japan)
*Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo, Japan

O-068 Exome sequence for Pelizaeus-Merzbacher disease by use of trio samples
Toshio Matsuoka*, Toshifumi Yodoshi, Misaki Sugai, Masaharu Ohfu (Japan)
*Division of Child Neurology, Okinawa Prefectural Nii Medical Center & Children’s Medical Center, Okinawa, Japan

O-069 Clinical Manifestations of neonates with/without Classical Menkes Disease
Mariko Yagi*, Tomoko Lee, Hiroyuki Awano, Ichiro Morioka, Hiroko Kodama, Yasuhiro Takeshima (Japan)
*Department of Pediatrics, Kobe University Graduate School of Medicine, Hyogo, Japan

O-070 Mechanism of reduced UV hypersensitivity by annexin II in Cockayne syndrome
Katsuo Sugita*, Kazuko Kita, Kiyoko Sugita, Taku Omata, Masaya Kubota (Japan)
*The division of Child Health, Faculty of Education, Chiba University, Chiba, Japan

O-071 Perioral myoclonia with absences? A first report in Japan
Shinobu Fukumura*, Takashi Saito, Yoshiaki Saito, Hirofumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Ken Sato (Japan)
*Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan

O-072 Clinical analysis of startle epilepsy: 7 pediatric cases
Shinichi Magara*, Kenji Sugai, Takashi Saitou, Yoshiaki Saitou, Hirohumi Komaki, Eiji Nakagawa, Masayuki Sasaki (Japan)
*Departments of pediatric neurology, National center hospital, National center of Neurology and Psychiatry, Tokyo, Japan

O-073 A case of eating-induced epileptic seizures with periodic spasms
Yasuko Sawai*, Tohru Hoshida, Yukihiro Takahashi (Japan)
*Epilepsy Center, National Hospital Organization, Nara Medical Center, Nara, Japan

O-074 A case of Lennox-Gastaut syndrome accompanied by reflex seizures with Down syndrome
Kazuyuki Nakamura*, Masami Togawa, Akiko Kondou, Yoshihiro Maegaki, Kousaku Ohno (Japan)
*Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Tottori, Japan

O-075 Video-EEG in the diagnosis of paroxysmal events in children of post-encephalitic epilepsy
Yuri Kitamura*, Akihisa Okumura, Mitsuhiro Ikeda, Shinpei Abe, Masako Saito, Toshiaki Shimizu (Japan)
*Department of Pediatrics, Juntendo University, Tokyo, Japan

O-076 The experience of clinical trial with Levetiracetam in our hospital
Atsushi Imamura*, Naoki Matsuo, Eiji Matsuoka, Kunihiro Matsumoto, Nobuyuki Tetsuka, Miyako Kyogoku, Emiko Kojima, Kanako Maruta, Atsushi Wakahara, Manabu Ono, Hideki Matsumoto (Japan)
*The Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan
O-080 An evaluation of a blood level and the efficacy of levetiracetam in childhood onset epilepsy
Tomotaka Oritsu*, Shinichiro Hamano, Hiroyuki Ida (Japan)
*Department of pediatrics, The Jikei University School of Medicine, Tokyo, Japan

O-081 Two patients added small dose of VPA to LTG in order to increase the LTG blood concentration
Toshihide Watanabe*, Reiki Oyanagi, Kimio Minagawa (Japan)
*Department of Pediatric Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

O-082 Levetiracetam treatment for refractory epilepsy
Hitomi Matsumoto*, Takanori Yamagata, Masako Nagashima, Yukihumi Monden, Yasuyuki Nozaki, Tokiko Fukuda, Masato Morii, Hideo Sugie, Mariko Momoiz (Japan)
*Jichi Medical University Department of Pediatrics, Tochigi, Japan

O-083 Levetiracetam and serum carnitine levels
Naoki Ando*, Yutaka Negishi, Ayako Hattori, Sayaka Kato, Yoko Nakajima, Tetsuya Ito, Shinji Saitoh (Japan)
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O-084 A change of bronchoscopy imaging : A case with apprehension of tracheo-innominate artery fistula
Tomoko Uchida*, Hisaya Hasegawa, Kasumi Nagasawa, Mitsuko Ishii (Japan)
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O-085 Protection of aspiration with tracheotomy by a speech valve
Soichiro Tanaka*, Satoru Kobayashi, Keisuke Wakisawa, Kazuhiro Haginoya (Japan)
*Department of Pediatrics, Takuto rehabilitation Center, Miyagi, Japan

O-086 Children’s Home Mechanical Ventilation: An efficacy of Home Medicine by a specialized team
Tomoyuki Dobata* (Japan)
*Center for Pediatric Noninvasive Ventilation, Teine Keijinkai Hospital, Sapporo, Hokkaido, Japan

O-087 Noninvasive positive pressure ventilation in patients with central nervous system disorders
Shigetoshi Ogiwara*, Tomoyuki Dobata (Japan)
*Teine Keijinkai Hospital, Hokkaido, Japan

O-088 Ramelteon for the sleep disturbance in the severe disabled children
Akie Miyamoto*, Ikue Fukuda, Hajime Tanaka, Ryuji Oka, Kazuhiko Cho, Akiko Araki (Japan)
*The Department of Pediatrics, Asahikawa Habilitation Center for disabled Children, Hokkaido, Japan

O-089 The sleep quality and autonomic nerve activity during sleep in severely handicapped children
Gakuyou Matsui*, Kenji Kihara, Satoshi Takada (Japan)
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O-090 Mutatation of gene encoding type IV collagen alpha2 chain (COL4A2) causes porencephaly
Kazuhiro Haginoya*, Hiroshi Arai, Hitoshi Osaka, Mitsuhiro Kato, Kenji Yokochi, Hirotomo Saitsu (Japan)
*Department of Pediatric Neurology, Teine Keijinkai Hospital for Children, Miyagi, Japan

O-091 Cerebral blood flow change by the sensory input by the children with extremely SMID
Yuya Takahashi*, Ryuji Kageyama, Miwa Yamatani, Hideto Yoshikawa, Tohru Konishi (Japan)
*Nagakoaryokuken, Niigata, Japan

O-092 The Long Term Efficacy of Compulsive Grasping Posture of Intact Hand for Spastic Hemiplegia
Shigeru Hanaoka*, Fumie Kimura (Japan)
*Tokyo Metropolitan Medical Rehabilitation Center for the Disabled, Tokyo, Japan

O-093 Clinical profile of persistent contracted state following the insult of developing brain
Koichi Maruyama*, Mizue Iai, Hiroshi Arai, Kenji Yokochi (Japan)
*Department of Pediatric Neurology, Central Hospital, Aichi Welfare Center for Persons with Developmental Disabilities, Aichi, Japan

O-094 The postural alteration of children with severe spasticity by intrathecal baclofen bolus therapy
Akiko Kondo*, Aya Narita, Yoshihiro Maegaki, Kousaku Ohno, Chisako Fukuda, Yosiyko Tubouchi, Chitose Sugiiara (Japan)
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O-095 Evaluation of surgeries for improving function of severe retarded children
Masahiro Ishii*, Masayuki Shimono, Tomohumi Fukuda, Ayako Senju, Naoki Shiota, Koichi Kusuhara (Japan)
*The Department of Pediatrics, University of Occupational and Environmental Health, Fukuoka, Japan

O-096 A case of kawasaki disease with acute encephalopathy
Hirotaka Motoi*, Souko Takashita (Japan)
*Yokohama medical center, Kanagawa, Japan
O-097 MRI findings on acute phase in national survey of pdm flu A (H1N1) 2009-associated encephalopathy
Yu Ishida*, Hisashi Kawashima, Gaku Yamanaka, Tasuku Miyajima, Akinori Hoshika, Akihisa Okuyama, Satoshi Nakagawa, Tsunen Morishima (Japan)
*Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

O-098 Clinical Research of Acute Encephalopathy Associated with Congenital Adrenal Hyperplasia
Yuichi Abe*, Tetsuro Sakai, Masashi Mizuguchi, Hideo Yamanouchi (Japan)
*Department of Pediatrics, Saitama Medical University, Saitama, Japan

O-099 A 2-year girl case of overlapping Bickerstaff’s brainstem encephalitis and Guillain-Barre syndrome
Yoji Uejima*, Toru Okanishi, Takuya Yokota, Hideo Enoki (Japan)
*Seirei Hamamatsu Hospital, Shizuoka, Japan

O-100 Cerebrospinal fluid apolipoprotein e levels in subacute sclerosing panencephalitis
Hirofumi Inoue*, Madoka Kajimoto, Takeshi Matsushige, Momoko Oka, Takashi Ichiyama (Japan)
*Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

O-101 Genetic background in Japanese patients with theophylline-associated acute encephalopathy
Mayu Shinohara*, Makiko Saitoh, Gaku Yamanaka, Kaoru Amamiya, Masaya Kubota, Takenori Yamagata, Kenjiro Kikuchi, Hisashi Kawasaki, Jyun Kamei, Manami Akasaka, Masashi Shiomi, Masashi Mizuguchi (Japan)
*Department of Developmental Medical Sciences, Graduate School of Medicine, University of Tokyo, Tokyo, Japan

Oral Presentation: Acute Encephalopathy

O-102 A case of AESD showed various image findings
Yuko Taniguchi*, Takanori Yamagata, Yukifumi Monden, Masako Nagashima, Naohiro Ikeda, Masato Morii, Masayo Hanabusa, Tokiko Fukuda, Yuji Gunji, Hideo Sugie, Mariko Momoi (Japan)
*Department of Pediatrics, Jichi Medical University School of Medicine, Tochigi, Japan / Department of Pediatrics, International University of Health and Welfare Hospital, Tochigi, Japan

O-103 Epidysse caused by acute encephalopathy with biphasic seizures and late reduced diffusion
Hirosato Nasu*, Yukitosi Takahashi, Tomoshiro Itou, Nobusuke Kimura, Ichiro Kuki, Tetsuhiro Fukuyama, Tokito Yamaguchi, Rumiko Takayama, Yukiko Mogami, Hideyuki Ohtani, Tomoyuki Akiyama, Hiroko Ikeda, Katsumi Imai, Hideo Shigematsu, Yushi Inoue (Japan)

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

O-104 Six cases of Hemiconvulsions-Hemiplegia syndrome
Seiichi Yarishika*, Fukiko Ryujin, Yuku Sakaue, Tomoyuki Take, Yoshhiro Take, Noriko Nishikura (Japan)
*Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan

O-105 Discrimination of acute encephalopathy among febrile children with acute neurological disorders
Hiroyuki Torisu*, Soo-Young Lee, Yui Yamaguchi, Yoshito Ishizaki, Masafumi Sanefuji, Yasunari Sakai, Toshiro Hara (Japan)
*The Department of Pediatrics, Graduate School of Medicine, Kyushu University, Fukuoka, Japan

O-106 EEG analysis of Febrile seizure and acute viral associated encephalopathy
Sooyoung Lee*, Hiroyuki Torisu, Yui Yamaguchi, Yoshito Ishizaki, Masafumi Sanefuji, Yasunari Sakai, Toshiro Hara (Japan)
*Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

O-107 Clinical course of Acute brain swelling type, one type of acute encephalopathy
Megumi Nuku*, Hisashi Kawasaki, Takeshi Sasaki, Hitomi Tsuji, Yuka Hattori, Asako Horino, Takeshi Inoue, Ichiro Kuki, Shin Okazaki, Kiyoko Amo, Masashi Shiomi (Japan)
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Oral Presentation: Acute Encephalopathy

O-108 Autopsy findings of a patient with AERRPS-type encephalitis
Chikako Ogawa*, Jun Natsume, Hiroyuki Yamamoto, Naoko Ishihara, Setsuri Yokoi, Tomoya Takeuchi, Tamiko Negoro, Kazuyoshi Watanabe (Japan)
*The Department of Pediatrics, Nara University Graduate School of Medical Science, Aichi, Japan

O-109 The characteristics of AERRPS in 123-iomazenil(IMZ) SPECT
Asako Horino*, Masashi Shiomi, Hitomi Tsuji, Taka Hattori, Takeshi Inoue, Megumi Nukui, Ichiro Kuki, Shin Okazaki, Hisashi Kawasaki, Kiyotaka Tomiwa, Kiyoko Amou, Masao Togawa (Japan)
*Osaka City General Hospital, Osaka, Japan

O-110 DWI abnormalities of the temporo-occipital lobe and pulvinar related to acute encephalopathy
Tomohiko Nakata*, Takeshi Tsuji, Toru Kato, Fumio Hayakawa, Tomoya Takeuchi, Tetsuo Kubota, Testuya Kibe, Akihisa Okumura, Shinji Saitoh, Jun Natsume (Japan)
*Department of Pediatrics, Nara University Graduate School of Medicine, Aichi, Japan

O-111 A case repeated mild encephalitis/encephalopathy with a reversible splenial lesion(MERS)three times
Takeshi Kouga*, Kyoko Takano, Takahito Wada, Mizue Iai, Sumimasa Yamashita, Noriko Aida, Jun-Ichi Takenashi, Hitoshi Osaka (Japan)
*Division of Neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan
A case of mild encephalopathy with a reversible splenial lesion associated with rotavirus infec
Toshifumi Yodoshi*, Tsuyoshi Matsuoka, Msaki Sugai, Masaharu Ohfu (Japan)
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The clinical and neuroradiographic findings of Posterior Reversible Encephalopathy Syndrome
Hiroyuki Yamamoto*, Motomasa Suzuki, Tomoya Takeuchi, Yoshiteru Azuma, Naoko Ishihara, Kaori Aiba, Takeshi Tsuji, Tetsuo Kubota, Naoki Ando, Tamiko Negoro, Kazuyuki Watanabe, Akihisa Okumura, Shinji Saitoh, Jun Natsume (Japan)
*Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan

Mutational analysis of SCN9A in patients with febrile seizures
Iori Ohmori*, Katsuhiro Kobayashi, Mamoru Ouchida (Japan)
*Laboratory for Neurogenetics, RIKEN Brain Science Institute, Wako, Saitama, Japan

Three cases of Dravet syndrome with SCN1A mutation
Kiyotaka Zaha*, Hiroshi Matumoto, Yuki Tujita, Yasuko Nakamura (Japan)
*The Department of Pediatrics, National Defense, Medical College, Saitama, Japan

Clinical manifestations of Dravet syndrome -Analysis by ictal video-EEG records-
Masako Sakauchi*, Hirokazu Oguni, Yoshiko Hirano, Yasushi Ito, Yuko Tsuda, Makiko Osawa (Japan)
*Department of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan

Serial changes of cognitive functions in the patients with atypical BECT
Hideaki Kanemura*, Fumikazu Sano, Hiromi Hosaka, Sonoko Mizorogi, Tomoko Tando, Kakuo Aoyagi, Kanji Sugita, Masao Aihara (Japan)
*Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan

Investigation of rolandic spikes in Panayiotopoulos syndrome
Takashi Shibata*, Harumi Yoshinaga, Yoshiyuki Hanaoka, Katsuhiko Kobayashi, Yoko Ohtsuka (Japan)
*Department of Child Neurology, Okayama University Hospital, Okayama, Japan

Three cases of psychogenic non-epileptic seizures with epilepsy diagnosed by ictal EEG
Yuichi Takami*, Hirofumi Ban, Daisuke Kurokawa (Japan)
*Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

Amplitude-integrated EEG of head injured children with abuse
Ayuko Igarashi* (Japan)
*Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan

A case of neonatal epilepsy with normal development and atypical suppression burst pattern
Naomi Shinohara*, Keisuke Ueda, Yoriko Konishi, Toshiki Takenouchi, Sachiko Shimezato, Keiichi Yamamoto, Takao Takahashi (Japan)
*Pediatrics, National Hospital Organization Tokyo Medical Center, Tokyo, Japan

A long-term cognitive outcome of eleven patients with Sturge-Weber syndrome
Kotoko Suzuki*, Shin-Ichiro Hamano, Ryuki Matsuura, Kenjiro Kikuchi, Manabu Tanaka, Atsuyuki Minamitani, Hiroyuki Ida (Japan)
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The clinical presentation and long term outcome of epilepsy in Mowat-Wilson syndrome
Ayako Umemura*, Kiyokuni Miura, Naoko Hayashi, Keitaro Yamada, Hirokazu Kurahashi, Koichi Maruyama, Motomasa Suzuki, Seiji Mizuno, Akiko Matsumoto, Toshiyuki Kumagai (Japan)
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Effect of reading difficulty on self-evaluation and mental health of elementary school children
Toshiya Yamashita*, Takashi Hayashi (Japan)
*Graduate Division of Health and Welfare, Graduate Schools, Yamaguchi Prefectural University, Yamaguchi, Japan / Home Learning Support Office NOW, Yamaguchi, Japan
O-127 Development of a Mass Screening Test for Reading Disability 2 – Non-word Choice and Word Search Task
Tomohito Okumura*, Tomoko Miura, Makoto Nakanishi, Mekumi Mizuta, Naoko Kurimoto, Takashi Takeshita, Masaaki Uno, Eiji Wakamiya, Hiroshi Tamai (Japan)
*Osaka Medical College, LD Center, Osaka, Japan

O-128 Development of a Mass Screening Test for Reading Disability 2 - Phonological Manipulation Task-
Mekumi Mizuta*, Tomohito Okumura, Tomoko Miura, Makoto Nakanishi, Naoko Kurimoto, Takashi Takeshita, Masaaki Uno, Eiji Wakamiya, Hiroshi Tamai (Japan)
*Osaka Medical College, LD center, Osaka, Japan

O-129 Reading duration of sentences in adolescents and adults with developmental dyslexia
Akira Uno*, Noriko Haruhara, Masato Kaenko (Japan)
*Faculty of Human Sciences, University of Tsukuba, Ibaraki, Japan / LD/Dyslexia centre, Chiba, Japan

O-130 The investigation of automaticity within RAN in dyslexic children
Masato Kaneko*, Akira Uno, Noriko Haruhara (Japan)
*Faculty of Medical Science for Health, Tokyo Heisei University, Tokyo, Japan / LD/Dyslexia centre, Chiba, Japan

O-131 The cognitive function in children with developmental dyslexia and younger typical children
Noriko Haruhara*, Akira Uno, Masato Kaneko, Noriko Awaya (Japan)
*Faculty of Health Sciences, Mejiro University, Saitama, Japan / NPO Corporation LD/Dyslexia Centre, Chiba, Japan

Oral Presentation: Pathology Vascular Disorder

O-132 Brain stem analysis in Fukuyama type congenital muscular dystrophy
Keisuke Nakajima*, Masaharu Hayashi (Japan)
*The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-133 Early-stage cardiovascular change with cardiomyopathy in neuromuscular disorders in childhood
Atsuhito Takeda*, Akira Sudo, Hideaki Shiraishi, Shinji Saitoh (Japan)
*Department of Pediatrics, Graduate School of Medicine, Hokkaido University, Hokkaido, Japan

O-134 An infant with an occipital sinus pericranii
Hiroki Matsushita*, Sozo Okano, Katsumi Hayakawa (Japan)
*Department of Pediatrics, Kyoto City Hospital, Kyoto, Japan

O-135 Treatment results and medical supports in patients with pediatric moyamoya disease
Hiroaki Sakamoto*, Yasuhiro Matsusaka, Yumiko Urano (Japan)
*Department of Pediatric Neurosurgery, Children’s Medical Center, Osaka City General Hospital, Osaka, Japan

O-136 Fetal development of the oculomotor nuclear complex in man. III. Histometric analysis
Katsuyuki Yamaguchi* (Japan)
*Department of Pathology, Dokkyo University School of Medicine, Tochigi, Japan / Department of Pediatrics, Southern Tohoku General Hospital, Fukushima, Japan

O-137 Analysis of a new model mouse of hypoxic ischemic brain injury for extremely premature infants
Kimiko Deguchi*, Ken-Ichiro Kubo, Kazunori Nakajima, Ken Inoue (Japan)
Deguchi Pediatric Clinic, Nagasaki, Japan / National Institute of Neuroscience, Department of Mental Retardation and Birth Defect Research / Department of Anatomy, Keio University School of Medicine, Tokyo, Japan

Oral Presentation: Infectious, Immunological Disease 1

O-138 A nationwide epidemiological survey of opsonolus-myoclonus syndrome
Takeshi Matsushige*, Madoka Kajimoto, Hideo Aiba, Keiko Ishigaki, Shiemi Kimura, Masaya Kubota, Junichi Takanashi, Yukitosh Takahashi, Hiroshi Tamai, Jun Natsume, Shinichiro Hamano, Shinichi Hirabayashi, Masashi Mizuguchi, Kimio Minagawa, Toshio Harara, Takashi Ichiyama (Japan)
*Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan / Japanese Pediatric Immunological Encephalitis Study Group

O-139 Opsonolus-myoclonus syndrome
Mitsuko Okuda*, Mariko Akiba, Kouyou Takano, Takahito Wada, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka, Yukitosh Takahashi (Japan)
*Kanagawa Prefectural Hospital Organization, Kanagawa, Japan

O-140 A Case of Mycoplasma infection-associated Opsonolus-Myoclonus Syndrome with Satisfactory Progress
Kaori Kawano*, Yasushi Ito, Aiko Nishikawa, Masumi Sahara, Yoshiko Hirano, Keiko Ishigaki, Makoto Funatsuka, Yukitosh Takahashi, Makiko Osawa (Japan)
*Tokyo Women’s Medical University, Tokyo, Japan

O-141 The effect of IVIG therapy as a disease-modifying therapy in pediatric multiple sclerosis
Konomi Shimoda*, Satoko Kumada, Emi Kasa, Ikuko Shirai, Yasuo Hachiya, Eiji Kurihara (Japan)
*Neuropediatrics, Tokyo Metropolitan neurological Hospital, Tokyo, Japan
O-142 Pediatric NMO/NMO spectrum disorders in Japan
Yui Yamaguchi*, Hideo Aiba, Takashi Ichiyama, Takayuki Kishi, Shigemi Kimura, Masaya Kubota, Junichi Takanashi, Yukitoshi Takahashi, Hiroshi Tamai, Jun Natsume, Shinnichiro Hamano, Shinnichi Hirabayashi, Masashi Mizuguchi, Kimio Minagawa, Toshiro Hara (Japan)
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O-143 Comparison of clinical features before and after the puberty of pediatric MS in Japan
Yui Yamaguchi*, Hideo Aiba, Takashi Ichiyama, Takayuki Kishi, Shigemi Kimura, Masaya Kubota, Junichi Takanashi, Yukitoshi Takahashi, Hiroshi Tamai, Jun Natsume, Shinnichiro Hamano, Shinnichi Hirabayashi, Masashi Mizuguchi, Kimio Minagawa, Toshiro Hara (Japan)
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Oral Presentation: Developmental Disorder 3
O-144 Methylphenidate OROS was effective to a male case of precocious puberty comorbid with ADHD
Yushiro Yamashita*, Koujuu Katayama, Syuichi Yatsuga, Ikuhiko Shibuya, Takashi Ohyka, Shinichiro Nagamitsu, Yasutoshi Koga, Toyoyori Matsuzaki (Japan)
*Department of Pediatrics & Child Health, Karume University School of Medicine, Fukuoka, Japan

O-145 Drug Therapy of ADHD—Examination of the usefulness seen from a persistence rate of MPH and ATX-Michiko Sugama*, Asayo Ishizaki (Japan)
*Oji Clinic, Division of Medicine The Association of Remedial Teaching for People with Developmental Handicaps, Tokyo, Japan

O-146 Effect of atomoxetine on sleep-associated comorbidities of AD/HD
Masahito Miyazaki*, Tatsuo Mori, Kenji Mori, Shoji Kagami (Japan)
*Department of Pediatrics, Miyoshi Medical Clinic, Higashikagawa, Japan / Department of Pediatrics, The Institute of Health Bioscience, The University of Tokushima Graduate School, Tokushima, Japan

O-147 Composition of medication AD/HD after the introduction of ATX
Ryoko Otani*, Kaori Noda, Yuko Yoshitomi, Makiko Koike, Atsuko Ayabe, Keiichi Shimamura, Nobuyuki Murakami, Ryoichi Sakuta (Japan)
*Pediatrics Dokkyo Medical University Koshigaya Hospital, Saitama, Japan

O-148 Developmental disorders as pathogenesis of school refusal: retrospective study
Akio Kiyota*, Tatsuro Izumi (Japan)
*Department of Pediatrics, Neuropediatrics and Child psychiatry, University of Oita, Oita, Japan

O-149 Coordination between Medical Care Counseling and Education for Developmental Disorders in school age
Kazuaki Takagi* (Japan)
*Habilitaton and Consultation Center for Children, Kanagawa, Japan

Oral Presentation: Cerebral Palsy / Conductive Education 3
O-150 Analysis of bone mineral density of patients with SMID measured consecutively for 20 years
Tadashi Matsubara*, Kenji Okumura, Ken Momosaki, Yoichi Nagata, Yuko Arizono, Akihiko Kimura, Makoto Shinozuka (Japan)
*Kumamoto University Hospital Chair of Severe Motor and Intellectual Disabilities, Kumamoto, Japan / Kumamoto-Ashikita Medical Center for Severe Motor and Intellectual Disabilities, Ashikita-machi, Kumamoto, Japan

O-151 Serum undercarboxylated osteocalcin concentration in severely disabled patients
Hiroaki Ono* (Japan)
*The Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan

O-152 The Tracp-5b in severely handycapped children
Seiji Watanabe*, Hideo Aiba, Yoshinori Okumura, Chihiro Iida (Japan)
*The Department of Pediatric Neurology, Shizuoka Children’s Hospital, Shizuoka, Japan

O-153 Cervical vertebrae instability in patients with Down syndrome
Michiko Makino*, Yukiko Namba, Shuji Matsu, Yoko Kida, Wada, Mitsubotu Matuda, Keiko Akahoshi, Toshio Shikii, Masako Hanahashi, Yasuyuki Suzuki (Japan)
*Department of Pediatrics, Tokyo Children’s Rehabilitation Hospital, Tokyo, Japan

O-154 A study on caregivers’ burden for persons with severe disabilities
Kenji Kihara*, Gakuyou Matsui, Youko Kawasaki, Hiroyuki Imanishi, Takashi Mito, Satoshi Takada (Japan)
*Kobe University Graduate School of Health Sciences, Hyogo, Japan / Physical Medicine and Rehabilitation, Nikokikohouse Medical Welfare Center, Hyogo, Japan

O-155 Community services to severely handicapped children in Yokohama; situations and problems
Takuya Kobayashi* (Japan)
*Nokendai Children Clinic, Kanagawa, Japan

Oral Presentation: Infectious, Immunological Disease 2 / Intoxication
O-156 A case of multiple sclerosis with higher cerebral dysfunction
Takeshi Sasaki*, Hisashi Kawakami, Megumi Nukui, Asako Horino, Takeshi Inoue, Shin Okazaki (Japan)
*Osaka City General Hospital, Pediatric Neurology, Osaka, Japan
Oral Presentation: Malformation, Chromosomal Abnormality 1
O-173 A case of microdeletion of 9q31.2-q32 associated with congenital anomalies with mental retardation
Yuji Fuji*, Yoshiyuki Kobayashi, Nobutune Ishikawa, Hiroaki Ono, Shin Hayashi, Joji Inazaya (Japan)
*Department of Pediatrics, Hiroshima University, Hiroshima, Japan

O-174 The development of the patients with 1p36 deletion syndrome
Kyoko Hirase*, Keiko Shimojima, Shino Shimada, Yoshihiro Maegaki, Mari Matsuo, Makiko Osawa, Toshiyuki Yamamoto (Japan)
*Department of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan

O-175 A study for 1p36 deletion syndrome in Japan
Shino Shimada*, Keiko Shimojima, Mari Matsuo, Kyoko Hirase, Yoshihiro Maegaki, Makiko Osawa, Toshiyuki Yamamoto (Japan)
*Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan / Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

O-176 Prader-Willi syndrome due to uniparental disomy and controlled ovarian stimulation
Yasuko Kobayashi*, Kiyoshi Omura, Keiko Matsubara, Nobuyuki Murakami, Toshirou Nagai (Japan)
*Nishitaga National Hospital, Miyagi, Japan

O-177 Frequency and characteristics of seizure disorder in Japanese patients with Prader-Willi syndrome
Eri Takeshita*, Nobuyuki Murakami, Ryoichi Sakuta, Toshiro Nagai (Japan)
*Department of Pediatrics, Kobe University Hospital, Dokkyo Medical University, Saitama, Japan

O-178 The epileptic characterization and their long-term outcomes in 4 patients with Angelman syndrome
Atsuko Matsuzuka*, Hisako Inoue, Tatsuro Izumi (Japan)
*Oita University Faculty of Medicine, Pediatrics, Pediatrics Neurology, Oita, Japan / Beppu Development Medical Center, Pediatrics Department, Oita, Japan

Oral Presentation: Malformation, Chromosomal Abnormality 2
O-179 A boy with multiple polymicrogyria and callosal hypogenesis manifesting self-injury
Toshiyuki Seto*, Mitsuhiro Kato, Yukio Miki, Mitsugu Uematsu, Haruo Shintaku (Japan)
*The Department of Pediatrics, Osaka City University, Osaka, Japan / The Department of Pediatrics, Kashihara Municipal Hospital, Osaka, Japan

O-180 A case of transsphenoidal encephalocele with multiple findings and septo-optic dysplasia
Masahiro Ito*, Hisako Ishiwata, Hisamitsu Tamaki (Japan)
*The Department of Pediatrics, Tokyo Metropolitan Bokuto Hospital, Tokyo, Japan

Yuji Iwasaki*, Masayuki Itoh, Kousaku Ohno, Shuhei Ide, Takehiko Inoue, Masaharu Hayashi, Tetsuo Matsuoka, Masataka Arima (Japan)
*The Department of Pediatrics, Tokyo Metropolitan Tobu Medical Center for Persons with Developmental/ Multiple Disabilities, Tokyo, Japan

O-182 Two cases of Duane’s retraction syndrome with hearing loss
Kyoko Takano*, Mitsuko Okuda, Takahito Wada, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka (Japan)
*Division of Neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan

O-183 A case of Klippel-Trenaunay syndrome with cortical dysgenesis and neonatal hydrocephalus
Ikuma Musha*, Yuichi Abe, Tetsuro Sakai, Hideo Yamanouchi (Japan)
*Department of Pediatrics, Saitama Medical University, Saitama, Japan

O-184 Three cases of the Noonan syndrome which presented the serious phenotype from the perinatal period
Akihiko Nakahara*, Rie Nagano, Toshio Ikeda (Japan)
*The Department of Pediatrics, University of Miyazaki, Miyazaki, Japan

Oral Presentation: Developmental Disorder 4
O-185 Relation between the shape of pen-holding and handskill in the preschoolers and schoolchildren
Atsuko Sammi*, Ryota Eguchi, Taro Otoshi, Hiroko Sasagawa, Satoshi Takada (Japan)
*Graduate School of Health Sciences, Kobe University, Hyogo, Japan

O-186 The Development of the Japanese version of the Little DCDQ
Akio Nakai*, Yoshinori Mitsuhashi, Masao Kawatani, Brenda N. Wilson, Tanya Rihtman, Shula Parush (Japan)
*Research Center for Child Mental Development, Fuku, Japan

O-187 Support and therapy for clumsiness in infants with high functioning developmental disorders
Taishi Miyachi*, Satoshi Sumi, Shinji Saitoh (Japan)
*Nagoya Akebono Gakuen, Nagoya, Japan / Nagoya West District Care Center for Disabled Children, Aichi, Japan / The Department of Pediatrics, Nagoya City University, Aichi, Japan

O-188 The analysis of the children who visited our institute through 5 years old health examination
Hiroshi Watanabe*, Aya Ogasawara, Shinchiro Takiguchi, Hideo Sanozumi (Japan)
*Nasu Institute for Developmental Disabilities, International University of Health and Welfare Rehabilitation Center, Tochigi, Japan
O-189 The feature of the infant girls with Asperger’s syndrome
Yuko Yamauchi*, Hiroko Haneda, Masutomoi Miyao, Mitsuko Nakano, Makiko Okuyama, Hiroyuki Ida (Japan)
National Center for Children Health and Development Department of Psychosocial Medicine, Tokyo, Japan / The Jikei University, Tokyo, Japan

O-190 Family therapy of Pervasive Developmental Disorders -Father’s peer counseling-
Hiroko Haneda*, Yuko Yamauchi, Mitsuko Nakano, Masutomoi Miyao, Makiko Okuyama (Japan)
National Center for Child Health and Development, Tokyo, Japan

O-191 A clinic newly established for children with developmental disorders in a Children’s Hospital
Shinichir Hirabayashi*, Noboru Fueki (Japan)
Division of Child Neurology, Nagano Children’s Hospital, Nagano, Japan

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O-192 The new anti-epileptic drugs for post-operative patients with intractable epilepsy
Akiko Fujii*, Mituhiro Matuo, Tatunaru Sato, Tetu Matuzaka, Hiroyuki Moriuti (Japan)
The Third Department of Pediatrics, University of Nagasaki, Nagasaki, Japan / Nagasaki Prefectural Center of handicapped children, Nagasaki, Japan

O-193 Use situation of phenytoin and gingival hyperplasia in patients with SMID
Kazuya Goto*, Kazuhide Imai (Japan)
NHO Nishibeppu National Hospital Division of Pediatrics, Beppu, Japan

O-194 Two cases of hyperuricemia associated with valproate monotherapy
Takamasa Kishi* (Japan)
Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan

O-195 Efficacy of levetiracetam in children with intractable epilepsy
Shin Okazaki*, Hisashi Kawawaki, Hitomi Tshiui, Asako Horino, Megumi Nukui, Takeshi Inoue, Ichirou Kuki, Kiyoko Amou, Masashi Shiomi, Kiyotaka Tomiwa (Japan)
Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

O-196 Steroid pulse therapy for post-encephalitic/encephalopathic epilepsy
Tokito Yamaguchi*, Yukitoshi Takahashi, Tomoshiro Ito, Hiroko Takahashi, Tetsuhiro Fukuyama, Yukiko Mogami, Rumiko Takayama, Hideyuki Ohtani , Tomoyuki Akiyama, Hiroko Ikeda, Katsumi Imai, Hideo Shigematsu, Yushi Inoue (Japan)
National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan

O-197 A Study of Therapy with New Antiepileptic Drugs for Intractable Epilepsy of Post-West Syndrome
Yumi Fujihara*, Shigehiro Nagai, Shizuka Matsuoka, Tomoko Kirino, Shoichi Endo (Japan)
The Department of Neurology, Kagawa National Children's Hospital, Kagawa, Japan

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O-198 School support in rehabilitation for pervasive developmental disorder child
Yukihiro Takagi*, Toshiaki Hashimoto, Yoshimi Tsuda (Japan)
The Department of Rehabilitation, Natuto Yamakami Hospital, Tokushima, Japan

O-199 Cooperation of a development handicapped person support center and health welfare center
Keiko Miida* (Japan)
Shizuoka city development handicapped person support center, Shizuoka, Japan / Shizuoka Iryou Fukusi Center, Shizuoka, Japan

O-200 How we coordinate rehabilitation plan for autistic spectrum from childhood to adult?
Naoki Shiota*, Ayako Senju, Tomofumi Fukuda, Masahiro Ishii, Masayuki Shimono, Koichi Kusuhara (Japan)
Department of Pediatrics, School of Medicine, University of Occupational and Environmental Health, Fukuoka, Japan

O-201 Comparative Research on Prefectural Consultation Support Systems for Developmental Disorders in Japan
Kaeo Ogura*, Yasoichi Nakajima (Japan)
Developmental Disability Section, Department of Rehabilitation for Brain Functions, Research Institute of National Rehabilitation Center for Persons with Disabilities, Saitama, Japan

O-202 Teamwork approach by support meetings for developmentally disordered children with familial problems
Mako Hayashi* (Japan)
Department of Pediatrics, Faculty of Health and Welfare, Prefectural University of Hiroshima, Hiroshima, Japan

O-203 Effective utilization of parentmenters
Akemi Tsuda*, Tsunehisa Sakaiji (Japan)
Fukai Prefectural Rehabilitation Center For Children With Disabilities, Fukai, Japan

O-204 Research on a difference of how to judge of parents and childcare workers for young children.
Yuki Ishioka*, Tarou Ootoshi, Satoshi Takada (Japan)
Kobe Shinwa Women’s University, Hyogo, Japan
O-205 The elevation of serum NTproBNP in encephalopathy associated with viral infection
Miho Fukui*, Shuichi Shimakawa, Shohei Nomura, Mitsuru Kashiwagi, Ryohei Miyamoto, Takuya Tanabe, Kohji Azumagawa, Hiroshi Tamai (Japan)
*The Department of Pediatrics, Osaka Medical College, Osaka, Japan

O-206 Acute encephalopathy by B. Cereus food poisoning is caused via impaired mitochondrial beta-oxidation
Seiji Yamaguchi*, Jamiyam Purevuren, Hironori Kobayashi, Yuki Hasegawa (Japan)
*Department of Pediatrics, Shimane University School of Medicine, Shimane, Japan

O-207 Early diagnosis of the acute encephalopathy using FT3,TSH
Atsuko Nakagawa*, Yoshinobu Oyazato, Tomoshi Nakajiri, Fumiko Hatanon, Atsushi Nishiyama, Masao Adachi (Japan)
*Kakogawa City Hospital Organization, Kakogawa west city Hospital, Hyogo, Japan

O-208 Bispectral index monitoring for the management of barbiturate therapy for status epilepticus
Manabu Tanaka*, Kotoko Sugaya, Ryuuki Matsuura, Kenjiro Kikuchi, Motoyuki Minamitani, Shin-Ichiyo Hamano (Japan)
*Division of Neurology, Saitama Children’s Medical Center, Saitama, Japan

O-209 Successful treatment of IVlg for a patient with anti-NMDA receptor encephalitis
Mariko Akiba*, Mitsuko Okuda, Kyouko Takano, Yoshiiro Watanabe, Megumi Tujii, Takahito Wada, Mizue Iai, Sumimasa Yamashita, Hitoshi Osaka (Japan)
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O-210 A case of pervasive developmental disorder with antibodies against the N-methyl-D-aspartate receptor
Kazushi Miya*, Tomomi Tanaka, Hisashi Mori, Toshio Miyawaki (Japan)
*Department of Pediatrics Faculty of Medicine University of Toyama, Toyama, Japan

O-211 A 16-year-old-girl with severe higher brain dysfunction due to herpes encephalitis
Hiroyuki Fujita*, Mana Kurihara, Atsushi Shishido, Manabu Yoshisawa, Yoshiiro Fujita, Toshihaka Kohagizawa (Japan)
*Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan

O-212 Effect of Tacrolimus in a 5 years-old-boy with Recurrent Non-herpetic Acute limbic Encephalitis
Kazuko Kishi*, Noriaki Minami, Jun Min, Rie Kanai, Seiji Yamaguchi, Yukitoshi Takahashi (Japan)
*The Department of Pediatrics, Shimane Medical University, Shimane, Japan

O-213 Can we predict the long-term outcome of acute encephalopathy during acute phase from 99 patients?
Kenjiro Kikuchi*, Shin-Ichiyo Hamano, Kotoko Sugaya, Ryuuki Matsuura, Manabu Tanaka, Motoyuki Minamitani, Hiroyuki Ida (Japan)
*Division of Neurology, Saitama Children’s Medical Center, Saitama, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan

O-214 Investigation for Vissiospacial Disturbance after Acute Encephalopathy
Mana Kurihara*, Atsushi Shishido, Manabu Yoshihashi, Hirouki Fujita, Toshitaka Kohagizawa, Hiroyuki Ida (Japan)
*Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan

O-215 Clinical evaluation of WISC-3, WAIS-R after acute encephalitis, encephalopathy
Takeshi Inoue*, Hisashi Kawawaki, Hitomi Tsui, Yuka Hattori, Asako Horino, Megumi Nuki, Ichiro Kuki, Shin Okazaki, Kiyoko Ama, Masso Togawa, Kiyotaka Tomiwa, Masashi Shiomi (Japan)
*Division of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

O-216 A case of treated with rehabilitation for cognitive impairment due to sequelae of encephalopathy
Atsushi Shishido*, Mana Kurihara, Manabu Yoshisawa, Hirouki Fujita, Tositaka Kohagawasawa, Hiroyuki Ida (Japan)
*Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan / Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan

O-217 How do number facts and calculation procedures work in calculations in developmental dyscalculia?
Eiji Wakamiya*, Makoto Nakanihi, Toshio Takeshita, Mekumiz Mizuta, Naoko Kurimoto, Tomohito Okumura, Hiroshi Tamai (Japan)
*Faculty of nursing and rehabilitations, Aino University, Ibaraki, Japan

O-218 A case of attention-deficit disorder and reading/writing disorder following influenza encephalopathy
Makio Oka*, Akimoto Takeuchi, Teruko Morooka, Kaoru Hanafusa, Tatsuya Ogino, Yoko Ohtsuka (Japan)
*Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

O-219 Quantitative diagnosis of cerebral oxygen regulation using near-infrared spectroscopy
Kayoko Yoshino*, Toshinori Kato (Japan)
*Graduate School of Media and Governance, Keio University, Kanagawa, Japan / Department of Brain Environmental Research, KATOBRAIN Co., Ltd. Tokyo, Japan
O-220 Patterns of medication use among children with autism and other pervasive developmental disorders
Yukari Endo*, Eiji Nakagawa, Takashi Enokizono, Shigehiro Nagai, Yuku Matsuda, Takashi Saitou, Yoshiaki Saitou, Hirohumi Komaki, Kenji Sugai, Masayuki Sasaki, Akira Yasumura, Masumi Inagaki (Japan)
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O-221 Medication usage, side effects in children with autism and other pervasive developmental disorders
Shigehiro Nagai*, Eiji Nakagawa, Takashi Enokizono, Yukari Endo, Yuku Matsuda, Takashi Saitou, Yoshiaki Saitou, Hirohumi Komaki, Kenji Sugai, Masayuki Sasaki, Akira Yasumura, Masumi Inagaki (Japan)
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O-222 Psychogenic reaction of children with somatic complaints
Yuri Narita*, Shin-Ichi Hamano, Mai Kuroda, Motoyuki Minamitani, Manabu Tanaka, Kenjiro Kituchi (Japan)
*Division of Psychology, Center for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan

O-223 Study about psychiatric symptoms of PDD Cases in Tokyo Area after the 3.11 Earthquake
Junichi Furusho*, Tetsuji Kubagawa, Hiroshi Maruyama (Japan)
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O-224 Long-term developmental outcome after hemispherotomy for hemimegalencephaly during infants
Ryoko Honda*, Kenji Sugai, Eiji Nakagawa, Hirofumi Komaki, Yoshiaki Saito, Takashi Saito, Akio Takahashi, Taisuke Otsuki, Masayuki Sasaki (Japan)
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O-225 Successful hemispherotomy for epilepsy with cerebral hemiatrophy and contralateral EEG findings
Rumiko Takayama*, Katsumi Imai, Akira Sudo, Hideaki Shiraishi, Koichi Minami, Tomoshibo Ito, Ichiro Kuki, Mari Akiyama, Yukiko Mogami, Tomoyuki Akiyama, Hiroko Ikeda, Hideo Shigematsu, Kouichi Baba, Yukitoshi Takahashi, Yushi Inoue (Japan)
*Naito epilepsy center shizuoka institute of epilepsy and neurological disorders, Shizuoka, Japan

O-226 Two pediatric patients with small-size hypothalamic hamartoma
Tsukasa Ohashi*, Yu Kobayashi, Noriyuki Akasaka, Jun Toyama (Japan)
*Department of Pediatrics, Nishi-Niigata Chuo National Hospital, Niigata, Japan

O-227 The outcome of 34 Vagus Nerve Stimulation Therapies (VNS) since its introduction
Ayatake Fujimoto*, Takuya Yokota, Hideo Enoki, Sayoko Kawabata, Shigenori Ishihara, Takamichi Yamamoto (Japan)
*Seirei Hamamatsu General Hospital, Comprehensive Epilepsy Center, Shizuoka, Japan

O-228 Surgical treatment of mesial temporal lobe epilepsy-evaluation of clinical course in 6 cases
Kazue Kimura*, Yukiko Isono, Yuri Nag, Kei Hachimori, Yoshiko Nomura, Masaya Segawa (Japan)
*Segawa Neurological Clinic for Children, Tokyo, Japan

O-229 Effective example of gamma-globulin in West Syndrome and serum and cerebrospinal fluid examination
Ryuki Matsuura*, Shin-Ichi Hamano, Kotoko Sugaya, Kenjiro Kikuchi, Manabu Tanaka, Motoyuki Minamitani, Hiroyuki Ida (Japan)
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Oral Presentation: Epilepsy 8
O-230 Screening of ADHD in outpatients clinic for epilepsy
Takuya Tanabe*, Mitsu Kashiwagi, Shuichi Shimakawa, Eiji Wakamiya, Hiroshi Tamai (Japan)
*Department of Pediatric Neurology, Tanabe-Kadobayasi Children's clinic, Osaka, Japan

O-231 Epilepsy in children with mental retardation
Mieko Yoshio*ka, Masako Isaka (Japan)
*Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged, Hyogo, Japan

O-232 Neuropsychological profile of children with cryptographic localization-related epilepsy in DN-CAS
Mitsuru Kashiwagi*, Takuya Tanabe, Suuichi Shimakawa, Shohei Nomura, Miho Fukui, Souuke Yoshiwaka, Ryohei Miyamoto, Kouji Azumakawa, Eiji Wakamiya, Hiroshi Tamai (Japan)
*Department of Pediatrics, Hirakata City Hospital, Osaka, Japan

O-233 Altered distribution of parvalbumin-immunoreactive neurons in experimental polymicrogyria
Tomoyuki Takano*, Fukiko Ryujin, Scichiro Yoshio*ka, Chihiro Sawai, Yuuko Sakae, Yoshihiro Takeuchi (Japan)
*Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan

O-234 Analysis of four cases with intractable epilepsy after limbic encephalitis
Tetsuhiro Fukuyama*, Etsuko Yamazaki, Ichiroshi Kuki, Hiroki Takahashi, Rumiko Takayama, Hideyuki Otani, Tomooyuki Akiyama, Hiroko Ikeda, Katsumi Imai, Hideo Shigematsu, Hidemoto Kubota, Yukitoshi Takahashi, Yushi Inoue (Japan)
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O-235 Prognostic factors of status epilepticus-associated brain injury
Yoshihiro Maekagi*, Masami Togawa, Akiko Konno, Kousaku Ohno, Kazuko Kishi, Hitoshi Sejima, Mitsuo Toyoshima, Kouyou Ohno (Japan)
*Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan
O-236 Complex neurocristopathy PCWH: construction of Tg mouse as a disease model
Ken Inoue*, Yu-Ichi Goto (Japan)
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O-237 A girl with epileptic encephalopathy associated with forced normalization after taking levetiracetam
Takahiro Kikuchi*, Nobuya Takahashi, Kazuyuki Nakamura, Mitsuhiro Kato, Kiyoshi Hayasaka (Japan)
*Pediatrics, Yamagata University School of Medicine, Yamagata, Japan

O-238 Detection of high-frequencies from suppression-burst EEG pattern in epileptic encephalopathy
Yoshihiro Toda*, Yumiko Hayashi, Takashi Inoue, Makio Oka, Fumika Endoh, Katsushiro Kobayashi, Harumi Yoshinaga, Yoko Ohtsuka (Japan)
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O-239 Event-related oscillations to face recognition in children with autism spectrum disorders
Kotone Sakihara*, Atsuko Gunji, Yuki Inoue, Youke Kita, Makiko Kaga, Masumi Inagaki (Japan)
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O-240 Prader-Willi syndrome model mice with abnormal PWS-IC methylation
Tatsuya Kishino* (Japan)
*Division of Functional Genomics, Center for Frontier Science, Nagasaki University, Nagasaki, Japan

O-241 Hydrocephalus with Hirschsprung Disease: Severe End of X-linked Hydrocephalus Spectrum
Toshihide Takenouchi*, Sachiko Shimozato, Mami Yasumasa, Rika Kosaki, Kenjiro Kosaki, Takao Takahashi (Japan)
*Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

O-242 The neuro-endocrinological complications in patients with low-grade brain tumors
So-Ichi Suenobu*, Tomoko Okamoto, Tatsuo Kukiuchi, Kensuke Akiyoshi, Tatsuro Izumi (Japan)
*Department of Pediatrics and Child Neurology, Oita University Faculty of Medicine, Oita, Japan

O-243 Characterization of the early-onset neurofibromatosis type 2 using the specified disease registry
Muneki Matsuo* (Japan)
*Department of Pediatrics, Saga University, Faculty of Medicine, Saga, Japan

O-244 Natural independence on ventriculoperitoneal shunt implanted at childhood
Yasuhiro Matsuura*, Hiroaki Sakamoto (Japan)
*Department of pediatric neurosurgery Osaka City General Hospital, Osaka, Japan

O-245 A Pediatric Case of Atlantoaxial Rotatory Fixation after inverted pendular suspension
Fumie Isshiki*, Toshihide Takenouchi, Tutomu Kamimaki, Takao Takahashi (Japan)
*Shizuoka city Simizu hospital, Shizuoka, Japan

O-246 Discussion about developmental disorders in children of head or neck trauma
Goro Kondo* (Japan)
*The Department of Neurosurgery, Toyohashi Municipal Hospital, Aichi, Japan

O-247 Clinical usage of chromosomal microarray for 700 patients with neurological disorders
Toshiyuki Yamamoto*, Keiko Shimojima, Shino Shimada, Yoshihiro Maegaki, Akihisa Okumura, Katsumi Imai, Nobuhiro Okamoto (Japan)
*Tokyo Women’s Medical University Institute for Integrated Medical Sciences, Tokyo, Japan

O-248 Practice of cytogenetic micro-array CGH in children’s hospital
Kenji Kurosawa*, Makiko Tominaga, Takahito Wada, Kiyoko Sameshima, Aki Ishikawa, Ryouko Takano, Mizue Iai, Hitoshi Osako, Sumimasa Yamashita (Japan)
*Division of Medical Genetics, Kanagawa Children’s Medical Center, Kanagawa, Japan

O-249 The study of diagnosis and treatment for Fragile X syndrome and related disorders in Japan
Koai Adachi*, Hideo Sugie, Yuichi Goto, Tsukasa Sasaki, Kousaku Ohno, Eiji Nanba (Japan)
*Division of Functional Genomics, Research Center for Bioscience and Technology, Tottori University, Tottori, Japan / Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan

O-250 A case of dyschromatosis symmetricta hereditaria associated with regress and aplasia of dental root
Fumihiro Matsumoto, Toshiyuki Mano, Tae Ikeda, Ikuo Hirata, Keiko Yanagihara, Yasuhiro Suzuki (Japan)
*Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

O-251 A case of 2-month-old incontinentia pigmenti patient with encephalopathy-like attack
Noriko Matsuda*, Tsutomu Takahashi, Tatsuhiko Shike (Japan)
*Saiseikai Utsunomiya Hospital, Tochigi, Japan
O-252 A family of X-linked incomplete dominant spastic paraplegia caused by partial deletions in PLP1 gene
Mayumi Matsufuji*, Noriko Nakamura, Yuko Tomonou, Takahito Inoue, Ken Inoue, Hitoshi Osaka, Kenji Kurosawa, Hitetsuna Ustunomiya, Sachio Takashima (Japan)
*Department of Pediatrics, Yanagawa Institute for Developmental Disabilities, Fukuoka, Japan

O-253 RNF213 gene contributes to susceptibility to moyamoya disease in Japanese: replication study
Yoshito Ishizaki*, Hiroyuki Torisu, Yasunari Sakai, Masafumi Sanefuji, Yui Yamaguchi, Toshiro Hara (Japan)
*Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

Poster Presentation: Epilepsy, Seizure 1

P-001 Favorable outcome of corpus callosotomy in an infantile patient with subcortical band heterotopia
Yoshiyuki Kobayashi*, Yuji Fuji, Nobutsune Ishikawa (Japan)
*Department of Pediatrics, Hiroshima University Graduate School of Biomedical Sciences, Hiroshima, Japan

P-002 Efficacy of stiripentol in a mouse model of severe myoclonic epilepsy in infancy
Hideyuki Ohitani*, Dezhi Cao, Ikuo Ogiwara, Sanae Ohitani, Yukitoshi Takahashi, Kazuhiro Yamakawa, Yushi Inoue (Japan)
*National Epilepsy Center Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka Japan

P-003 A girl with late-onset spasms
Yumiko Ikegami*, Yohane Miyata, Motoko Asakura, Makiko Shimazaki, Yumiko Komatsu, Yukiko Nakamura, Akira Oka (Japan)
*The Department of Pediatrics, Hiroshima University Graduate School of Biomedical Sciences, Hiroshima, Japan

P-004 Treatment-resistant epilepsy associated with an 15q partial tetrasomy syndrome from 3 cases
Yoshiko Hirano*, Hirokazu Oguni, Shigeru Nagaki, Kayo Saito, Makiko Osawa (Japan)
*Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

P-005 A case with recurrent astylole due to breath-holding spells: successful treatment with levetiracetam
Satoshi Sakaue*, Tomohiro Chiyouo, Takashi Morita, Masaharu Moroto, Michiko Yoshida, Shigemi Morioka, Sachiko Tokuda, Akira Nishimura, Masafumi Morimoto (Japan)
*Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan

P-006 Two surgical cases of sleep-related hyperkinetic seizure originated from temporal lobe
Kentaro Tamura*, Seiichiro Yoshikoa (Japan)
*The Department of Neurosurgery, Nara Medical University, Nara, Japan

P-007 4 cases of partial epilepsy which interictal EEG change to Rolandic wave in progress
Takahito Ohy*, Ikuhiko Shihuya, Shinichiro Nagamitsu, Yushiro Yamashita, Toyojiro Matsuishi (Japan)
*The Department of Pediatrics and Child Health Kurume University School of Medicine, Fukuoka, Japan

P-008 An infant of refractory epilepsy with large hemispheric abnormal structure undergone surgicaltherapy
Yukako Ise*, Seiichiro Yoshikoa, Hukiko Ryujin, Yuto Takeyuki Takehiki, Yoshifumi Takeuchi, Kentaro Tamura, Takahumi Sakakibara (Japan)
*Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan

P-009 Epilepsy clinic at the municipal hospital
Mutsumi Sato*, Yoshihiro Watanabe, Mayu Ohtsu, Saoko Takeda, Suniio Kai (Japan)
*The Department of Pediatrics, Saiseikai Yokohamashi-nambu Hospital, Kanagawa, Japan

P-100 Will soluble vitamines be deficient during ketogenic diet therapy in children?
Ikuko Hiejima*, Tomohiro Kumada, Katumi Shibata, Tatumu HukuiWatari, Mitue Sano, Anri Hayashi, Humeiho Nozaki, Keiko Saitou, Tomoko Miyajima, Tatuya Hujii (Japan)
*Shiga Medical Center for Children, Shiga, Japan

P-111 Benign complex partial seizure in infancy beginning with apnea and diagnosed by ictal EEG
Makiko Iguchi*, Toshitou Maahara, Takako Matsumoto, Chizuru Kawakatsu (Japan)
*Department of Pediatrics, Hospital of Hyougo prefecture, Hyougo, Japan

P-102 Marked acidosis after non-convulsive status epilepticus
Yuri Sakaguchi*, Tomohide Goto, Makoto Anzo, Aka Takahashi (Japan)
*Kawasaki Hospital of Kawasai City, Kanagawa, Japan

P-103 The clinical characteristics and their long term prognosis in patients with hemimegalencephaly
Yumi Shimada*, Kazuo Okanari, Tatsuro Izumi (Japan)
*The Department of Pediatrics, Oita University Faculty of Medicine, Oita, Japan

P-104 The management and characteristics of polycystic ovary syndrome in epileptic women taking valproate
Kimio Minagawa*, Toshihide Watanabe, Reiki Oyanagi (Japan)
*Department of Pediatric Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

P-105 A case of infantile cavernous hemangiomas with status epilepticus
Yuko Okawa*, Goro Shiratori, Shinya Ninomiya, Yukiko Ibara, Hiroshi Ideguchi, Sawa Yasumoto, Shinichi Hirose (Japan)
*The Department of Pediatrics, Fukuoka University, Fukuoka, Japan

P-106 EEG features of patients with 18 trisomy syndrome
Keisuke Ueda*, Tomohide Goto, Sunao Tomita, Sahoko Miyama (Japan)
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P-017 Transient pure red cell aplasia associated with lamotrigine
Hiroaki Kakinuma*, Miki Nakamura (Japan)
*Chiba City Sakuragi-en Institute, Chiba, Japan

P-018 The early clinical effects of LEVETIRACETAM in patients with intractable epilepsies
Toshiaki Hashimoto*, Seiji Shimakawa, Shigeaki Hamada, Masahito Morimoto (Japan)
*Japanese Red Cross Tokushina Hinomine Rehabilitation Center for People with Disabilities, Tokushima, Japan

P-019 Study of Clinical Characteristics for West Syndrome Complicated with Down syndrome
Aiko Nishikawa*, Hirokazu Oguni, Yoshiko Hirano, Takayuki Kishi, Mutsumi Shioda, Keiko Ishigaki, Yasushi Ito, Kaoru Imai, Makoto Funatsuva, Shigeru Nagaki, Makiko Osawa (Japan)
*The Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

P-020 Clinical investigation of benign infantile convulsions associated with mild gastroenteritis
Keiji Soebijanto*, Pinffi Chong, Yuji Tachioka, Reina Ogata, Kenjiro Gondoh (Japan)
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P-021 1-year-old boy with CDKL5 mutations, repeated intractable seizures since neonatal period
Kayano Igarashi*, Akira Sasaki, Mayumi Kajinjo, Masaru Shirai, Jyunichi Oki, Akiko Furuya, Daisuke Usui, Katsumi Imai (Japan)
*Department of Pediatrics, Asahikawa Kosai Hospital, Hokkaido, Japan / Department of Pediatrics, Asahikawa Medical University, Hokkaido, Japan / National Epilepsy Center Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

P-022 Retrospective study of breath-holding spell
Reina Ogata*, Pinffi Chong, Yuji Tachioka, Keiji Soebijanto, Kenjiro Gondoh (Japan)
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P-023 A 12 year-old boy with long QT syndrome who had epilepsy that was well controlled by valproic acid
Hajime Ikehara*, Keiko Okumura, Tomohiko Tsuru (Japan)
*Matsudo City Hospital Children's Centre, Matsudo City, Chiba, Japan

P-024 Diffuse spike-wave bursts in frontal lobe epilepsy
Hiroyuki Nigami*, Aya Iwata (Japan)
*Department of Pediatrics, Nishi-Kobe Medical Center, Hyogo, Japan

P-025 A case with Sturge Weber syndrome who presented a great change of EEG and seizure types
Toshihide Watanabe*, Reiki Oyanagi, Kimio Minagawa (Japan)
*Department of Pediatric Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan

P-026 A case with Sturge Weber syndrome who presented a great change of EEG and seizure types
Toshihide Watanabe*, Reiki Oyanagi, Kimio Minagawa (Japan)
*Department of Pediatric Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan

P-027 A Family case of GLUT-1 deficiency syndrome sharing the same mutation but different phenotype
Yasushi Ito*, Yoshiko Hirano, Hirokazu Oguni, Masumi Sahara, Satoru Takahashi, Makiko Osawa (Japan)
*Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan

P-028 One-year experience of Levetiracetam-About the effectiveness for epilepsies with CSWS on EEG-Masanori Namba*, Tomoko Nishida, Mayumi Yamamoto, Sonoko Ijichi, Yukihiko Konishi, Susumu Ito (Japan)
*Kagawa General Rehabilitation Hospital, Kagawa, Japan

P-029 Efficacy of Levetiracetam for The Dravet syndrome : Report of Two Cases
Yuko Hirata*, Shinichiro Hamano, Tomotaka Oritsu, Ryuki Matsuura, Hiroyuki Ida (Japan)
*Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan

P-030 Renal failure induced by combined ACTH and ZNS treatment in a patient with intractable epilepsy
Wakako Ishii*, Makio Oka, Yoshihiro Tohda, Youko Ohtsuka (Japan)
*Okayama university hospital, Tokyo, Japan

P-031 Drug eruption after high dose and maintenance phenobarbital therapy for status epilepticus
Taro Kitamura*, Toshiyuki Nishio, Masaru Takayanagi, Katsuya Yamamoto, Toshihiro Ohura (Japan)
*Sendai City Hospital, Miyagi, Japan

P-032 Effectiveness of levetiracetam in migrating partial seizures of infancy (MPSI)
Yoshimichi Hirayama*, Masaharu Ohfu (Japan)
*Pediatrics, Naha city hospital, Okinawa, Japan

P-033 Clinical feature of psychogenic non-epileptic seizure in symptomatic epilepsy patients
Takeshi Ohinaga*, Michiko Shinpo, Sayaka Nakano, Jyunji Azuma, Yoshiko Iwata, Shihoko Kimura, Koji Tominaga, Kuriko Shimoto, Toshisaburou Nagai, Keiichi Ozono (Japan)
*Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan

Poster Presentation: Developmental Disorder / General / Development
P-034 Overexpression of hematopoietic prostaglandin D synthase in the frontal lobe of autism
Masaya Tachibana*, Ikuko Mohri, Kuriko Shimoto, Keiichi Ozono, Masako Taniike (Japan)
*Department of Pediatrics, Osaka University, Suita, Japan / Molecular Research Center for Children's Mental Development, Osaka University, Osaka, Japan
P-035 Clinical features and developmental outcome of long-term survivors of campomelic syndrome
Kaori Irahara*, Hiroshi Ozawa, Kaori Sasaki, Ushio Otaki, Takehiro Ishizuka, Kiyoshi Amimoto, Satoshi Kimiya (Japan)
*The Department of Pediatrics, Shimada ryokु center, Tokyo, Japan

P-036 The diagnosis of the school aged children who had language delay in their early childhood
Naomi Mitsuda*, Takatoki Hosokawa, Hiroaki Hisakawa, Mikiya Fujieda, Hiroshi Wakiguchi (Japan)
*The Department of Pediatrics, Kochi Medical School, Kochi, Japan

P-037 Cognitive imbalance among adaptation to novelty, breaking stereotypes and typical actions in autism
Keisuke Wakasawa*, Hiroyuki Yokoyama, Chieko Nara, Yuki Kubota, Shigeo Kure, Yayoi Tomizawa, Mieko Hirose (Japan)
*Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan / Department of Functional Brain Imaging, Institute of Development, Aging and Cancer, Tohoku University, Miyagi, Japan

P-038 A study for developmental disorders and Fe metabolism
Yoshitaka Iwadare* (Japan)
*Kohnodai Hospital, National Center for Global Health and Medicine, Chiba, Japan

P-039 Analysis of factors related to social functioning in school students with high-functioning PDD.
Keitaro Sueda*, Toru Yamazaki (Japan)
*Shizuoka Children's Hospital, Shizuoka, Japan

P-040 The autistic behavior related to child maltreatment
Yuki Kubota*, Chieko Nara, Naomi Hukuyo, Mitsugu Uematsu, Keisuke Wakasawa, Hiroyuki Yokoyama, Shigeo Kure (Japan)
*Department of Pediatrics, Tohoku University School of Medicine, Miyagi, Japan

P-041 Predicting outcomes of term neonates with profound asphyxia
Akiko Takeshita*, Kyoko Hirasa, Satoshi Kusuda, Makiko Osawa (Japan)
*Department of Pediatrics, Tokyo Women's medical university, Tokyo, Japan / Maternal and Perinatal Center, Tokyo Women's Medical University, Tokyo, Japan

P-042 Examination about the developmental disorder in school absenteeism
Nao Suzuki*, Akie Okayama, Naoya Matsumoto, Akiko Araki, Satoru Takahashi, Hiroshi Azuma (Japan)
*The Department of Pediatrics, Asahikawa Medical University, Hokkaido, Japan

P-043 The retrospective analysis of patients with AD/HD at Tottori University
Yuko Nakamura*, Risa Matsuo, Kentaro Shirai, Akiko Kondo, Yoshiihiro Maegaki, Kousaku Ohno (Japan)
*The Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan / Tottori Prefectural Hospital Tottori Japan

P-044 Neurological prognosis after liver transplantation for biliary atresia with intracranial hemorrhage
Hiroshi Terashima*, Aki Ando, Sayaka Ota, Hirohumi Kashii, Masaya Kubota, Mureo Kasahara (Japan)
*Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

P-045 Low dose L-dopa and SST improved communication skill in Autistic children, seven-old female
Sachiyo Arat*, Kyoko Hoshino (Japan)
*Counseling Room, National Hospital Organization Minami Wakayama medical center, Wakayama, Japan

P-046 Two cases of autism spectrum disorder which was associated with Chiari 1 malformation
Hironori Matsufuji*, Hiroshi Isumi, Naoko Ishikawa, Yoshitsugu Sugio (Japan)
*Tsukumigaoka Handicapped Children's Hospital, Yamaguchi, Japan / Hikari Municipal Hikari General Hospital, Yamaguchi, Japan

P-047 Surveillance study on children with special needs in nursery schools
Taro Ohtoshi*, Satoshi Takada (Japan)
*Department of Health Science, Kansai University of Welfare Sciences, Osaka, Japan

P-048 Aripiprazol in the treatment of irritability in children and adolescents with PDD
Michio Hiratani*, Chiho Yatsuga, Makoto Ishitobi, Masao Kawatani, Akemi Tomoda (Japan)
*Hiratani Child Developmental Clinic, Fukui, Japan

P-049 Medication switch to aripiprazol in the treatment of children and adolescents with PDD
Chiho Yatsuga*, Michio Hiratani, Makoto Ishitobi, Masao Kawatani, Akemi Tomoda (Japan)
*University of Fukui, Child Developmental Research Center, Fukui, Japan

P-050 A case of pervasive developmental disorders increased aggression with atomoxetine
Kasumi Nagasawa* (Japan)
*Division of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan

P-051 The effect of Bio-Active Therapy (BAT) to autism
Hiroki Takahashi*, Michio Tani (Japan)
*Tani clinic, Tokyo, Japan

P-052 Present medication in patients with development disorder in Shiga Hospital
Shie Akabori*, Masayuki Tanaka (Japan)
*National Hospital Organization Shiga Hospital, Shiga, Japan

P-053 A study of 34 cases of AD/HD in Japan, switched from Long-acting methylphenidate to Atmoxetine
Chieko Nara*, Hiroyuki Yokoyama, Yuki Kubota, Keisuke Wakusawa, Mitsugu Uematsu, Shigeo Kure (Japan)
*Department of Pediatrics, Tohoku University School of Medicine, Miyagi, Japan
P-054 Short-term efficacy and safety of aripiprazole for children with autism spectrum disorder
Takanori Kamimura* (Japan)
*Department of Pediatrics, Joetsu General Hospital, Niigata, Japan

P-055 Psychological reaction to Japan earthquake 2011 in children with developmental disorders in Tokyo
Yukiko Nakamura*, Makiko Shimazaki, Yohane Miyata, Yumiko Komatsu, Mami Miwa, Akira Oka (Japan)
*Department of Pediatrics, University of Kyorin, Tokyo, Japan

P-056 Disability Test for 5-Year Olds Assessing Child Characteristics and Parent-Child Relationship
Miyuki Ushida* (Japan)
*Department of Pediatrics, University of Kyorin, Tokyo, Japan

P-057 Evaluation of Coordination of Boys with High-functioning PDD, using Japanese version of DCDQ
Taishi Miyachi*, Akio Nakai (Japan)
*Nagoya Akebono Gakuen, Aichi, Japan

P-058 Comparison of visual predominance between bilateral deaf and PDD using WISC III profile analysis
Masako Isaka*, Mieko Yoshioka (Japan)
*Kobe City Pediatric and General Rehabilitation Center for the Challenged, Hyogo, Japan

P-059 The retrospective analysis of patients with AD/HD at Tottori University(1)
Risa Matsu*, Yuuko Nakamura, Kentarou Sirai, Akiko Kondou, Masahiko Inoue, Yoshihiro Maegaki, Kousaku Ohno (Japan)
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P-060 Effect of atomoxetine, methylphenidate, risperidone for epilepsy patient with developmental disorder
Teruhiko Suzuki*, Yuusaku Endo (Japan)
*Hamamatsu City Medical Center for Developmental Medicine, Department of Pediatric Neurology, Shizuoka, Japan

P-061 Effectiveness of low dose of L-dopa (0.5mg/kg) for verbal function in Autism and/or AD/HD children
Kyoko Hoshino* (Japan)
*Department of Pediatrics, Toyama City Hospital, Toyama, Japan

P-062 Retrospective Analysis of Clinical Course of AD/HD Patients at Preschool Age
Masayuki Imaeda*, Yoshihisa Funahashi, Taishi Miyachi, Shinji Saitoh, (Japan)
*Treatment and Education Center, Northern Region, Aichi, Japan / Department of Pediatrics, Nagoya City University Graduate School of Medicine, Aichi, Japan

P-063 An AD/HD case who had an epileptic seizure with ventricular bigeminy induced by methylphenidate
Yuji Takizawa*, Osamu Kobayashi (Japan)
*Department of Pediatrics, National Hospital Organization Nishisaitama-Chuo National Hospital, Saitama, Japan

P-064 A rat with P/Q type volatge-gated calcium channel dysfunction shows neurodevelopmental disorders
Mamoru Ouchida*, Iori Ohmori (Japan)
*Department of Molecular Genetics, Graduate School of Medicine, Dentistry and Pharmace utical Science, Okayama University, Okayama, Japan

P-065 Prefrontal hemodynamic changes in response to a CPT in ADHD measured by NIRS, Atomoxetine effects
Akiko Araki*, Masanaga Ikegami, Aki Okayama, Nao Suzuki, Naoya Matsumoto, Satoru Takahashi, Hiroshi Azuma, Masaharu Takahashi (Japan)
*Department of Pediatrics, Asahikawa Medical University, Hokkaido, Japan

Poster Presentation: Acute Encephalitis / Encephalopathy
P-066 EHEC encephalopathy with bilateral symmetric deep gray matter lesions
Hiroyasu Nakagawa*, Shinichi Yagi, Masashi Mizuguchi (Japan)
*Department of Pediatrics, Toyama City Hospital, Toyama, Japan

P-067 A case of autoimmune limbic encephalitis successfully treated with plasma exchange therapy
Hiroyasu Nakagawa*, Shinichi Yagi, Masashi Mizuguchi (Japan)
*Department of Pediatrics, Toyama City Hospital, Toyama, Japan

P-068 Biomarkers in the CSF of children with acute encephalophalitis and encephalopathy
Reiko Koichihi*, Shinichiro Hamano, Manabu Tanaka, Kenjiro Kikuchi, Takaki atsuura, Kotoko Sugaya, Motoyuki Minamitani (Japan)
*Saitama Children's Medical Center Division of Neurology Saitama, Japan / Chiba Municipal Hospital Division of Neurology, Saitama, Japan

P-069 A case of hypoglycemic encephalopathy associated with antibiotics in a long-term treatment
Madoka Kajimoto*, Takeshi Matsushige, Kenji Yamada, Seiji Yamaguchi, Takashi Ichiyama (Japan)
*The Department of Pediatrics, Yamaguchi University of Medicine, Yamaguchi, Japan

P-070 A case of hemophagocytic lymphohistiocytosis in the course of anti-NMDA receptor encephalitis
Yuji Hashimoto*, Toshihiro Suzuki, Satoshi Anzai, Yukitoshi Takahashi (Japan)
*Department of Pediatrics, Chiba Kaihin Municipal Hospital, Chiba, Japan

P-071 A CPA case plausibly caused by central nervous system involvement with Adenovirus type 3 infection
Noriro Nishikura*, Seiichiro Yoshioka, Naoshi Kawashima (Japan)
*Saiseikai Shiga Hospital, Shiga, Japan
P-072 Clinical study of six cases of posterior reversible encephalopathy syndrome
Hidehiko Ogushi*, Muneaki Matsuo (Japan)
*Department of Pediatrics, Saga University, Faculty of Medicine, Saga, Japan

P-073 The clinical features of 3 patients with non-herpetic acute limbic encephalitis
Nanako Uno*, Tatsuharu Sato, Daishi Inoue, Mio Yoshimura, Akiko Fujii, Kunio Hashimoto, Mitsuhiro Matsuo, Yukitoshi Takahashi, Hiroyuki Moriuchi (Japan)
*The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan / The Department of Pediatrics, Sasebo General Hospital, Nagasaki, Japan

P-074 A case of two-year-olds boy with Anti-NMDA-Receptor Encephalitis proven by Immunohistochemical Study
Yoko Sakaguchi*, Tetsuo Kubota, Tatsuya Hukazawa, Tamiko Negoro, Masaharu Hayashi (Japan)
*Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

P-075 A patient with Epstein-Barr virus encephalitis who took an abrupt clinical course
Mio Yoshimura*, Tatsuharu Sato, Daishi Inoue, Nanako Uno, Akiko Fujii, Kunio Hashimoto, Hiroyuki Moriuchi (Japan)
*The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan / The Department of Pediatrics, Isahaya Health Insurance General Hospital, Nagasaki, Japan

P-076 A boy who suffered from acute encephalopathy three times in five years; a case report
Tomohiko Imato*, Hiroko Matsushita, Sozo Okano, Katsumi Hayakawa, Shoko Yoshida, Yukitoshi Takahashi (Japan)
*Department of pediatrics, Kyoto City Hospital, Kyoto, Japan

P-077 Kawasaki disease associated MERS:Pathological Insights from SPECT Findings
Tatsuharu Sato*, Nanako Uno, Daishi Inoue, Hiroyuki Moriuchi (Japan)
*The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan

P-078 A case of bilateral hydronephrosis and hydroureter complicated by hyperammonemic encephalopathy
Kouhei Haraguchi*, Tatsuharu Sato, Daishi Inoue, Hiroyuki Moriuchi (Japan)
*The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan / The Department of Pediatrics, Sasebo General Hospital, Nagasaki, Japan

P-079 Characteristic of epilepsy after acute encephalopathy
Shinpei Abe*, Akihisa Okumura, Ayuko Igarashi, Mariko Hosozawa, Yuri Kitamura, Mitsuru Ikeno, Masako Saito, Tomoyuki Nakazawa, Toshiaki Shimizu (Japan)
*The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan

P-080 The case of limbic encephalitis distinguished from dissociative disorder
Daisuke Kurokawa*, Yuichi Takami, Hirofumi Ban, Yukitoshi Takahashi (Japan)
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P-081 A case of Kawasaki disease complicated with acute encephalopathy
Miori Sato*, Natsuko Oyake, Takayuki Naoi, Nobuko Moriyama (Japan)
*Hitachi, Ltd., Hitachinaka General Hospital, Ibaraki, Japan

P-082 A change of neuroradiologic findings in a female case with autoimmune encephalitis
Satoru Ikenoto*, Kenjirou Kikuchi, Kotoko Sugaya, Takaki Matsuura, Tomotaka Oritsu, Yukitoshi Takahashi, Shin-Ichiro Hamano, Hiroyuki Ida (Japan)
*Pediatric Department, The Jikei University of Medicine, Tokyo, Japan

P-083 A case of NHALE with effectiveness of phenobarbital against seizure and involuntary movement
Hisako Ishiwata*, Ami Cho, Hisamitsu Tamaki, Masahiro Ito, Yukitoshi Takahashi (Japan)
*The Department of Pediatrics, Tokyo Metropolitan Bokuto Hospital, Tokyo, Japan

P-084 Genetic background in Japanese patients with acute necrotizing encephalopathy
Ai Hoshino*, Makiko Saito, Mayu Sihonohara, Masako Nagashima, Kenji Yoshida, Takeo Katou, Mitsuo Toyoshima, Soo-Young Lee, Masashi Mizuguchi (Japan)
*Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Japan

P-085 Anti-NMDA-receptor encephalitis in a 2-year-old girl
Kanako Maruta*, Naoki Matsuo, Atsushi Imamura, Yukitoshi Takahashi (Japan)
*Gifu Prefectural General Medical Center, Gifu, Japan

P-086 Long-term efficacy of methylprednisolone pulse and tacrolims therapy in 2 cases of Rasmussen syndrome
Junji Azuma*, Sayaka Nakano, Michiko Shino, Yoshiko Iwata, Koji Tominaga, Shihoko Kimura, Kuriro Shimono, Toshishaburo Nagai, Keichichi Ozono (Japan)
*Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan

P-087 Two cases of acute encephalopathy with febrile convulsive status epilepticus showing hemiplegia
Hiroshi Shiragawa* (Japan)
*National Hospital Organization Okayama Medical Center, Okayama, Japan

P-088 A case of anti-NMDA receptor encephalitis presenting with MRI findings in the subacute phase
Toshihiro Suzuki*, Yuji Hashimoto, Satoshi Anzai, Yukitoshi Takahashi (Japan)
*Department of Pediatrics, Chiba Kaihin Municipal Hospital, Chiba, Japan
P-089 Mutations of the SCN1A gene in acute encephalopathy
Makiko Saitoh*, Mayu Shinohara, Hideki Hoshino, Masaya Kubota, Kaoru Amemiya, Jun-Ichi Takanashi, Su-Kyeong Hwang, Shinichi Hirose (Japan)
*Department of Developmental Medical Sciences, University of Tokyo, Tokyo, Japan

P-090 2 cases of acute cerebellitis and encephalopathy associated with norovirus
Katsuhiro Yamaguichi*, Masaru Tatsuno, Kazuo Itahasi (Japan)
*The Pediatrics of Machida Municipal Hospital, Tokyo, Japan / Department of Pediatrics Showa University Scoll of Medicine, Tokyo, Japan

P-091 A case of 13-year-old girl improving after one-year treatment for Anti-NMDA receptor encephalitis
Masao Adachi*, Shingo Onishi, Yoshinobu Oyazato, Atsushi Nishiyama (Japan)
*Department of Pediatrics, Kagoshima West-City Hospital, Hyogo, Japan

P-092 Clinical characteristic of enanthema subitum with central nervous complications
Kiyotaka Murakami* (Japan)
*Nakano Children's Hospital, Osaka, Japan

P-093 Guillain-Barre syndrome with reversible splenial and white matter lesion: A Case Report
Tae Ikeda*, Fumihiro Matsumoto, Ikuko Hirata, Yasuhiisa Toribe, Keiko Yanagihara, Toshiyuki Mano, Yasuhiro Suzuki (Japan)
*Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

P-094 A case with anti-NMDAR encephalitis
Koai Aiba*, Hironori Ohshita, Mari Sugimoto, Daisuke Kato, Norihisa Koyama, Kenji Yokochi (Japan)
*Toyohashi Municipal Hospital, Toyohashi, Aichi, Japan

P-095 A female case of NHALE: it was difficult to differentiate from Conversion Disorder
Keiko Kamayachi*, Noriko Sawaura, Yukitoshi Takahashi, Kouichi Arakawa (Japan)
*Gumma University Hospital, Gunma, Japan

P-096 The recovery process of brain higher function in a 6-year-old boy with AESD.
Ayaka Koide*, Tomohiro Arakuma, Tomohide Goto, Yuji Wada, Yuko Sakurai, Sunao Tomita, Sahoko Miyama (Japan)
*The division of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

P-097 A case of encephalopathy associated with varicella zoster virus infection
Hiromitsu Toshikawa*, Shuichi Shimakawa, Syohei Nomura, Miho Fukui, Mitsuru Kashiwagi, Takuya Tanabe, Hiroshi Tamai (Japan)
*Department of Pediatrics, Osaka-hu Saiseikai Saita Hospital, Osaka, Japan

P-098 An atypical case of Bickerstaff's brainstem encephalitis
Hayato Sakurai*, Yuichi Abe, Hideo Yamamoto (Japan)
*The Department of Pediatrics, Saitama Medical University, Saitama, Japan

P-099 A case of Molybdenum cofactor deficiency with novel mutation of MOCS2 gene
Tomohiro Arakuma*, Hirofumi Yoshishashi, Sahoko Miyama, Satoko Kumada, Yuuki Minami, Tetsuya Ito, Yoshihiko Shinohara, Kimiyoshi Ichida (Japan)
*Division of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

P-100 A 14-year-old boy with mitochondrial myopathy associated with m.3236AG mutation
Tomoko Okunushi*, Katsunori Fujii, Maiko Suyama, Hiromi Mizuochi, Hideki Uchikawa, Masato Mor, Akira Otake, Atsuko Takagi, Tadashi Shiohama, Yoichi Kohno (Japan)
*Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan / Department of Pediatrics, Saitama Medical University Hospital, Saitama, Japan

P-101 Three-year treatment with ERT of pediatric Fabry Disease patients in siblings
Daisuke Kato*, Norihsia Koyama (Japan)
*Toyoshashi Municipal hospital, Pediatrics, Aichi, Japan

P-102 Two cases of Wernicke Encephalopathy due to excessive intake of electrolyte liquid
Akiyoshi Hiraki*, Masahiro Kikuchi (Japan)
*Department of Pediatrics, Hitachi General Hospital, Ibaraki, Japan

P-103 Molecular analysis of mild Pelizaeus-Merzbacher disease
Yurika Numata*, Keisuke Wakisawa, Mitugu Uematsu, Akira Onuma, Yuichi Goto, Ken Inoue (Japan)
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P-104 Two cases of hypophosphatasia which caught subclinical seizure by continual-video EEG monitoring
Yoshituki Watabe*, George Imataka, Ryota Kuribayashi, Osamu Arisaka (Japan)
*Dokkyo Medical University of Medicine, Tochigi, Japan

P-105 Postmortem pathological findings in a child with Pelizaeus-Merzbacher disease
Mika Nakazawa*, Akihisa Okumura, Mitsuru Ikeno, Toshiaki Shimizu, Yuki Imai, Keiko Shimojima, Toshiyuki Yamamoto, Shigeo Murayama, Masaharu Hayashi (Japan)
*Department of Pediatrics, Toshima Hospital, Tokyo, Japan / Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan
P-106 Efficacy of Enzyme replacement therapy for Fabry disease in childhood  
Natsumi Isobe*, Yoshiito Ishizaki, Hirooyuki Torisu, Masafumi Sanefuji, Toshiro Hara (Japan)  
*Department of Pediatrics, Graduate school of medical sciences, Kyushu university, Fukuoka, Japan

P-107 NPPV was effective for respiratory failure in patient with PMD caused PLP1 gene novel mutation  
Shuji Matsui*, Yukiko Namba, Yasuko Nasu, Mitsunobu Matsuda, Michiko Makino, Keiko Wada, Keiko Akahoshi, Toshihide Shiki, Masako Funahashi, Yasuyuki Suzuki, Hitoshi Osaka (Japan)  
*The Tokyo Children rehabilitation’s hospital, Tokyo, Japan

P-108 Progressive osteoerosion in a patient with Acid Ceramidase deficiency  
Chihori Yonee*, Mitsuo Toyoshima, Yusuke Hamada, Norio Sakai, Yoshifumi Kawano (Japan)  
*Department of Pediatrics, Kagoshima University, Kagoshima, Japan

P-109 Two cases of glucose transporter type 1 deficiency syndrome with refractory atypical absence seizure  
Michiko Shimpou*, Sayaka Nakano, Junji Azuma, Yoshiko Iwatanai, Kouji Tominaga, Shihoko Kimura, Kuriko Shimono, Takeshi Okinaga, Toshisaburo Nagai, Keiichi Ozono (Japan)  
*Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan

P-110 The first case of GTP cyclohydrolase 1 deficiency with hyperphenylalaninemia in Japan  
Wakaba Endo*, Mitsugu Uematsu, Tomoko Kobayashi, Tojo Nakayama, Osamu Sakamoto, Shigeo Kure (Japan)  
*Department of Pediatrics, Tohoku University Hospital, Miyagi, Japan

P-111 Efficacy and safety of very-low-dose betamethasone therapy in ataxia telangiectasia-A case report-  
Setsuko Kaneoka*, Satoko Umada, Keisuke Nakajima, Mamiko Hotate, Emi Kasai, Yuuji Sugawara, Takeshi Hasegawa, Masaharu Hayashi (Japan)  
*Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan

P-112 A pediatric case of neurosarcoïdosis  
Naoko Yoshihara*, Takahito Wada, Mitoku Okuda, Kyoouko Takano, Mizue Iai, Sumimasa Yamashita, Noriko Aida, Susumu Itou, Hitoshi Osaka (Japan)  
*Division of pediatric neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan

P-113 An observation of the barrel field in somatosensory cortex of MeCP2 knock out mouse  
Masaharu Moroto*, Akira Nishimura, Kenichi Isoda, Takashi Morita, Michiko Yoshida, Shigemi Morioka, Tomohiro Chiyonobu, Masafumi Morimoto (Japan)  
*Department of Pediatrics, Graduate School of Medical science, Kyoto Prefectural University of Medicine, Kyoto, Japan

P-114 A case with MPS IVA: a survival from respiratory arrest caused by cervical cord compression  
Saki Kasuga*, Tomo Sawada, Akemi Tanaka, Haruo Shintaku (Japan)  
*Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

P-115 A case of Refsum like disease in infancy  
Tomofumi Fukuda*, Masayuki Shimono, Masahiro Ishii, Ayako Senju, Naoki Shiota, Koichi Kusuhara (Japan)  
*University of Occupational and Environmental Health, Fukuoka, Japan

P-116 A case of Leigh encephalopathy with Wernicke encephalopathy-like MRI appearance  
Fuu Miyake*, Takahito Wada, Mitsuko Okuda, Kyoko Takano, Mizue Iai, Sumimasa Yamashita, Noriko Aida, Hitoshi Osaka (Japan)  
*Division of Pediatric Neurology, Kanagawa Children’s Medical Center, Kanagawa, Japan

P-117 The analysis of clinical course and treatment for Tourette syndrome  
Yukiko Ibara*, Shinya Ninomiya, Yuuko Tomonoh, Takako Fujita, Hiroshi Ideguchi, Takahito Inoue, Sawa Yasumoto, Shinichi Hirose (Japan)  
*Department of Pediatrics, Fukuoka University Hospital, School of Medicine, Fukuoka, Japan

P-118 A case of succinic semialdehyde dehydrogenase deficiency presented HHV 6-associated encephalopathy  
Shunsuke Ogaya*, Mitsuharu Kajita, Tomoya Takeuchi, Jun Natsume, Shinichi Hirose (Japan)  
*Department of Pediatrics, Toyota Kosei Hospital, Aichi, Japan

P-119 A case of 8-year-old boy with sleep related rhythmic movements diagnosed by polysomnography  
Kumi Kato* (Japan)  
*Ota Memorial Sleep Center, Kanagawa, Japan

P-120 Potentially deficient state of Vitamin B1 in children  
Kohji Azumagawa*, Keiko Tanaka, Katsumi Shibata, Hiroshi Tamai (Japan)  
*Department of Pediatrics, Seikeikai Hospital, Osaka, Japan

P-121 Survey of Pantothenate kinase-associated neurodegeneration (PKAN) by child neurology specialists  
Makoto Funatsuka*, Yasushi Itoh, Mitsuki Shioda, Makiko Osawa (Japan)  
*Department of Pediatrics, Tokyo Women’s Medical University, Tokyo, Japan

P-122 A case of electron transfer complex 4 deficiency  
Tomoko Matsubayashi*, Teruhiko Suzuki, Yuusaku Endo, Kouichi Hirano, Kei Murayama, Akira Ohtake (Japan)  
*Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka, Japan

P-123 Salivary melatonin in AADC deficiency  
Shuhei Ide*, Harumi Saijyou, Mitsuto Kato, Yumi Okoshi, Tatsu Matsumiya, Yuji Iwasaki, Masataka Arima (Japan)  
*Tokyo Metropolitan Tobu Medical Center for Persons with Developmental/Multiple Disabilities, Tokyo, Japan
P-141 Microdeletion of chromosome 7p21, including TWIST1 identified by array CGH in a patient
Aki Ishikawa*, Hiroko Shigetomi, Akiko Tuzuki, Satoko Ochi, Kenji Kurosawa (Japan)
*Department of Pediatric Rehabilitation, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

P-142 Screening of children with neurological problems by oligonucleotide array CGH
Atsuo Kikuchi*, Rie Suzuki, Tojo Nakayama, Yuki Kubota, Mieko Hirose, Tomoko Kobayashi, Naomi Hino-Fukuyo, Mitsugu Uematsu, Kazuhiro Hagiroya, Shigeo Kure (Japan)
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P-143 A boy with porencephaly caused by a de novo COL4A1 mutation.
Nobuya Takahashi*, Hiroto Saitu (Japan)
*Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan / Department of Human Genetics, Yokohama city University Faculty of Medicine, Kanagawa, Japan

P-144 A case of 13q- syndrome -Karyotype and phenotype comparisons-
Hiroe Ueno*, Chizuru Nishizato (Japan)
*Kumamoto Saishinko national hospital, Kumamoto, Japan

P-145 22q11.2 deletion with epilepsy
Shinichiro Takiguchi*, Aya Ogasawara, Mari Kuwajima, Hiroshi Watanabe, Kazumi Kurata, Hideo Shimoizu (Japan)
*Nasu institute of Developmental disabilities, Tochigi, Japan

P-146 Epilepsy in patient with myelomeningocele
Shizuko Terada*, Mami Yamasaki (Japan)
*National Hospital Organization Osaka National Hospital, Osaka, Japan

P-147 Multidimensional analyses of the function and the loss-of-function pathomechanism of the CDKL5 gene
Teruyuki Tanaka*, Masashi Mizuguchi (Japan)
*Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-148 A case of Neurofibromatosis type2 diagnosed during the investigation of epilepsy
Tsuyoshi Sasaki* (Japan)

P-149 1 year old girl cases of spinal hemangioblastoma combined hydrocephalus
Kaori Onozawa*, Gorou Shirotani, Takako Fujita, Hiroki Ideguchi, Sawa Yasumoto, Tetuya Ueha, Tooru Inoue, Shiniche Hirose (Japan)
*Pediactrics, Fukauoka University, Fukuoka, Japan

P-150 Cognitive function of children with medulloblastoma after treatments
May Kuroda*, Shinichiro Hamano, Hiroshi Nishimoto, Yuri Narita (Japan)
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P-151 A case of paroxysmal kinesigenic choreoathetosis with a family history of myoclonic epilepsy
Yoshio Nagao* (Japan)
*Department of Pediatrics, Social Health Insurance Medical Center, Tokyo, Japan

P-152 Deletion of 5q14.3 encompassing the MEF2C locus in a boy with severe intellectual disability
Yasunari Sakai*, Hiroyuki Torisu, Masafumi Sanefuji, Yu Yamaguchi, Yoshihito Ishizaki, Michiko Torio, Natsumi Washitou, Hiroyuki Satake, Toshihiko Hara (Japan)
*Department of Pediatrics, Kyushu University, Fukuoka, Japan

P-153 The Clinical Course of the Male Patient of MECP2 Duplication with Epileptic Spasms
Koaru Eto*, Masako Sakauchi, Shino Shimada, Yui Ootani, Mutsuki Shioda, Keiko Ishigaki, Keiko Simojima, Toshiyuki Yamamoto, Hirokazu Ogumi, Makiko Osawa (Japan)
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P-154 Mowat-Wilson syndrome: the three cases.
Kiyoko Sameshima*, Susumu Sugihara, Mio Watanabe, Takashi Shihiha (Japan)
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P-155 A Case of Nephronophthisis in Joubert related disorder with occipital encephalocele
Ai Kataoka*, Kyoshi Matsui, Koji Tanoue (Japan)
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P-156 A case of mutation of CASK
Reki Oyanagi*, Toshihide Watanabe, Kimio Minagawa, Jun-Ichi Takanasahi, Nobuhiro Okamoto, Shin Hayashi (Japan)
*Department of Pediatric Neurology, Hokkaido Medical Center for Child Health and Rehabilitation, Hakkaido, Japan

P-157 A case with late-infantile metachromatic leukodystrophy caused by paternal UPD of chromosome 22
Yo Niida*, Mondo Kuroda, Yusuke Mitani, Ayano Yokoi, Miyako Ikento (Japan)
*Research Center for Child Mental Development, Kanazawa University, Ishikawa, Japan

P-158 Characteristics of epilepsy in 1p36 deletion syndrome: multinational study in Japan
Yoshihiro Maegaki*, Sino Shimada, Keiko Simojima, Mari Matsu, Kyoko Hirazawa, Toshiyuki Yamamoto (Japan)
*Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan
P-159 Clinical feature of an adult case of Marinesco-Sjögren Syndrome with SIL1 mutation
Noriko Nakamura*, Shinya Ninomiya, Yukiko Ihara, Hiroshi Iguchi, Takahito Inoue, Sawa Yasumoto, Akihisa Mithudome, Shinichi Hirose (Japan)
*Department of Pediatrics, Faculty of Medicine, Fukuoka University, Fukuoka, Japan

P-160 A case of complex chromosome aberrations with white matter alterations and delayed myelination
Hiroko Shigetomi*, Akiko Tsuchi, Kentaro Kawamura, Reikichi Shoji, Kenji Kurosawa (Japan)
*Department of Pediatric Rehabilitation, Hokkaido Medical Center for Child Health and Rehabilitation, Hokkaido, Japan

P-161 A case report of sphenoid-ethmoidal cephalocele.
Mari Sugimoto*, Hironori Ohshita, Kaoru Aiba, Daisuke Katoh, Norihisa Koyama, Kenji Yokochi (Japan)
*Toyohashi municipal hospital, Aichi, Japan

P-162 Kabuki syndrome and multiple anomalies in a girl with mos45.X/46.X,der(X)
Masaki Ohno* (Japan)
*Department of Child Study, Kyoto Women’s University, Kyoto, Japan

P-163 COL4A1 mutations in two newborn patients with porencephaly
Noriko Kondo*, Yoko Nishimura, Masami Togawa, Yoshihiro Maegaki, Kousaku Ono, Hirotomo Saitsu (Japan)
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P-164 Chronic respiratory failure after general anesthesia in a girl with neurofibromatosis
Tsukasa Higuchi* (Japan)
*The Department of General Pediatrics, Nagano Children’s Hospital, Nagano, Japan

P-165 A case of Epidermal Nevus Syndrome Associated with Various Brain Malformations and Medulloblastoma
Mitsuru Ikeno*, Akihisa Okumura, Shinpei Abe, Taiki Shima, Junichi Takanashi, Keiko Shimojima, Toshiyuki Yamamoto, Masaharu Hayashi (Japan)
*Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan

Poster Presentation: Infectious, Immunological Disease (Excluding Acute Encephalitis / Encephalopathy) /Neonatology

P-166 The significance of periventricular cysts in neonates
Kentaro Okumushia, Daisuke Nishi, Hitoshi Kawato, Hiroshi Matumoto, Katunori Fujii (Japan)
*Department of Neonatology, Asahi General Hospital, Chiba, Japan

P-167 The comparison of neopterin value between mumps meningitis and other viral meningitis
Norikatsu Hikita*, Toshiyuki Seto, Taeka Hattori, Katsui Tanaka, Haruo Shintaku (Japan)
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P-168 Cases of sisters with convulsions two weeks later of the outbreak of Mycoplasma pneumoniae infection
Kousuke Nakano*, Satoshi Maniwa (Japan)
*Department of Pediatrics, Matsuyama Red Cross Hospital, Ehime, Japan

P-169 Outcome of very-low-birth weight infants at 20 to 29 years of age and risk factor analysis
Yu Suzuki*, Atsushi Kamei, Manami Akasaka, Shochi Chida (Japan)
*The Department of Pediatrics, Iwate Medical University, Iwate, Japan

P-170 A suspected male case of Hoyeraal-Hreidarsson Syndrome showing recurrent intracranial hemorrhage
Hidenori Ohnishia, Takahide Teramoto, Masahiro Morimoto, Kazuo Kubota, Zenichiro Kato, Hideki Muramatsu, Hiroshi Sakaguchi, Seiji Kojima, Naomichi Kondo (Japan)
*Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan

P-171 A case of transverse myelitis with visual obscuration suspected of Neuromyelitis Optica
Ai Kishino*, Kaori Kawanoto (Japan)
*Kawakita General Hospital, Tokyo, Japan

P-172 The study of neurological symptom associated with Paramyxoviridae family
Yuka Hattori*, Kiyoko Amou, Jyunichi Ishikawa, Hitomi Taji, Asako Horino, Megumi Nukui, Takeshi Inoue, Shin Okazaki, Masao Togawa, Masashi Shiomi, Hisashi Kawakaki (Japan)
*Department of Pediatric Emergency, Osaka City General Hospital, Osaka, Japan

P-173 Analysis of Neonatal Seizures and Paroxysmal Automatic Movements Mimicking Neonatal Seizures
Mitsuo Motobayashi*, Yui Inaba, Taemi Niimi, Naoko Shiba, Takaumi Nishimura, Atsushi Baba (Japan)
*Department of Pediatrics, University of Shinshu, Nagano, Japan

P-174 Five cases of Optic Neuritis
Yuki Imai*, Emiko Momoki, Wakako Ishii, Ayumi Endoh, Chikako Arakawa, Ryoutaroh Kohira, Yukihiko Fujita, Tatsuo Fuchigami (Japan)
*Department of Pediatrics and Child Health, Niho University, Tokyo, Japan

P-175 A case of Clinically isolated syndrome presented by chronic meningitis
Fumihiro Matsut*, Satoshi Sakaue, Osamu Otabe, Hisato Ito, Toshiyuki Takahashi (Japan)
*Department of Pediatrics, Nantan General Hospital, Kyoto, Japan
P-176 A preterm infant with pyridoxine dependent epilepsy
Yohane Miyata*, Yumiko Ikegami, Motoko Asakura, Makiko Simazaki, Yumiko Komatsu, Yukiko Nakamura, Akira Oka (Japan)
*The Department of Pediatrics, Kyorin University, Tokyo, Japan

P-177 Three cases of aseptic meningitis after mumps vaccine
Masaru Takayanagi*, Taro Kitamura, Wakaba Endo, Atsushi Kato, Hidekazu Nishimura, Toshiyuki Nishio, Toshihiro Ohura (Japan)
*Division of Pediatrics, Sondai City Hospital, Miyagi, Japan

P-178 Two cases of severe motor and intellectual disabilities with streptococcus pyogenes pneumonia
Keiko Okumura*, Hajime Ikehar, Tomohiko Tsuru, Takashi Ichyama (Japan)
*Department of Pediatrics, Matsudo City Hospital, Matsudo, Chiba, Japan

P-179 A case of neuromyelitis optica in a child: The features of brain and spinal MRI
Takako Fujita*, Yukiko Ihara, Yuko Tomonoh, Rie Kodama, Shinya Ninomiya, Hiroshi Ideguchi, Takahito Inoue, Sawa Yasumoto, Shinich Hirose (Japan)
*Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

P-180 Three cases of aseptic meningitis after mumps vaccine
Masaru Takayanagi*, Taro Kitamura, Wakaba Endo, Atsushi Kato, Hidekazu Nishimura, Toshiyuki Nishio, Toshihiro Ohura (Japan)
*Division of Pediatrics, Sondai City Hospital, Miyagi, Japan

P-181 Two cases of cerebellitis caused by GluR autoantibodies with autism
Shinya Ninomiya*, Takako Fujita, Yukiko Ihara, Yuko Tomonoh, Naomi Morishima, Hiroshi Ideguchi, Takahito Inoue, Sawa Yasumoto, Yukitoshi Takahashi, Shinich Hirose (Japan)
*Department of Pediatrics, Faculty of Medicine, University, Fukuoka, Fukuoka, Japan

P-182 Paraneoplastic anti-GluR-delta2 positive cerebellar ataxia secondary to ovarian teratoma
Yoshihisa Higuchi*, Takeo Yonekura, Masato Nishino, Hideo Takatsuma, Yukitoshi Takahashi, Takuya Kosumi, Katsui Yamauchi (Japan)
*Department of Pediatrics, Ohtsu Red Cross Hospital, Ohtsu, Shiga, Japan

P-183 Central nervous system involvement with hemophagocytic syndrome
Yoshihiro Watanabe*, Yoshitaka Ooyama, Saoko Takeshita (Japan)
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P-184 A case of giant subdural empyema as complication of Streptococcus pneumoniae mastoiditis
Miyuki Toyono*, Sae Ishikawa, Hidenori Ohnishi, Tamami Yano (Japan)
*Department of Pediatrics, Akita University Graduate School of Medicine, Akita, Japan

P-185 A case of Calcified Cephalhematoma
Yuko Omata*, Hiroaki Date (Japan)
*Department of Pediatrics, Seikei-kai Chiba Medical Center, Chiba, Japan

P-186 Neurological findings of the cryopin-associated periodic syndrome
Saoko Takahashi*, Yoshihiro Watanabe, Yoshitaka Oyama, Takuma Haru, Masako Kikuchi, Takako Miyamae, Tomoyuki Imagawa, Shumpei Yokota (Japan)
*Department of Pediatrics, Yokohama City University Medical Center, Kanagawa, Japan

P-187 A case with ocular myasthenia gravis successfully treated with Tacrolimus
Genkich Izumi* (Japan)
*Department of Pediatrics, Social Insurance Kinan Hospital, Wakayama, Japan

P-188 Clinical evaluation of 10 patients with subacute sclerosing panencephalitis
Kunihito Tamashiro*, Sadao Nakamura, Azusa Oshiro, Tsuyoshi Oomi (Japan)
*The Department of Pediatrics, University of Ryukyu, Okinawa, Japan

P-189 Pregnancy and delivery of childhood myasthenia gravis
Yukiko Isono*, Yuri Nagao, Kazue Kimura, Kei Hachimori, Yoshiko Nomura, Masaya Segawa (Japan)
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P-190 Bacterial meningitis associated with congenital dermal sinus without c-reactive protein elevation
Kaori Sasaki* (Japan)
*Kakogawa east city hospital, Hyogo, Japan

P-191 A case report of brainstem encephalitis and myelitis
Hironori Oshita*, Kaori Aiba, Mari Sugimoto, Daisuke Katou, Norihisa Koyama, Kenji Yokot (Japan)
*Toyohashi Municipal Hospital, Aichi, Japan

P-192 A case of unilateral isolated superior branch oculomotor palsy treated by steroid pulse therapy
Aki Ando*, Hiroshi Terashima, Sayaka Ohta, Hirofumi Kashii, Masaya Kubota, Tomohiro Arakuma, Tomohide Gotou, Sahoko Miyama (Japan)
*Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

P-193 Effectiveness of intravenous administration of TRH in two patients with SSPE
Masato Hiyane*, Eiji Nakagawa, Takashi Enokizono, Shigefumi Nagai, Yuko Matsuda, Takashi Saito, Yoshiaki Saito, Hirofumi Komaki, Kenji Sugai, Masayuki Sasaki (Japan)
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P-194 Acute childhood hemiplegia associated with chickenpox
Naoko Nakano*, Chiya Kikuchi, Mitsuunci Fukuda (Japan)
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P-195 Magnetic-resonance imaging of neonates treated with therapeutic hypothermia after hypoxic-ischemic encephalopathy
Koichi Tanda*, Nozomi Sato, Minako Kihara (Japan)
*Department of Neonatology, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan

Poster Presentation: Epilepsy, Seizure 2

P-196 A study on serum selenium, zinc and copper levels during ketogenic diet
Anri Hayashi*, Tomohiro Kumada, Keiko Saito, Fumihito Nozaki, Ikuko Hiejima, Tomoko Miyajima, Tatsuya Fjii, Miyuki Takada (Japan)
*Shiga Medical Center for Children, Moriyama, Japan

P-197 A intractable case of myoclonic astatic epilepsy treated with modified Atkins diet only
Mami Iishi*, Atushi Satou, Satoru Takahashi, Masashi Mizuguchi (Japan)
*Department of Pediatrics, Ohta Nishinouchi-hospital, Fukushima, Japan

P-198 Ketogenic diet as an effective treatment for intractable epilepsy of perinatal HIE
Kaoru Amemiya*, Ayaka Koide, Tomohide Goto, Sunao Tomita, Sahoko Miyama, Koichi Aizaki, Yuri Ozawa, Hiroshi Ozawa, Yuki Inoue (Japan)
*Department of child neurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan

P-199 Characteristics of symptomatic epilepsy associated with perinatal abnormality
Mariko Ikekami*, Nobuyoshi Sugiyama, Junichi Yokoyama (Japan)
*Department of Pediatrics, Tokai University of Medicine, Kanagawa, Japan

P-200 Evaluation of Colored Density Spectral Array(CDSA) for epilepsy with CSWS
Tomoshiro Ito*, Yukiko Mogami, Rumiko Takayama, Hiroko Ikeda, Hideyuki Otani, Tomoyuki Akiyama, Katsumi Imai, Hideo Shigematsu, Yuki Hiroshi Takahashi, Yushi Inoue (Japan)
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P-201 Review of intractable epilepsy of older severe Mentally and Physically Handicapped Persons.
Rie Kato*, Atuko Matuduka, Masayoshi Suzuki, Taturou Izumi (Japan)
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P-202 A sibling case with PCDH19 mutation following different clinical courses
Mamiko Hotate*, Norimichi Higure, Shinichi Hirose, Kentarou Shirai, Satoshi Araki, Yuji Sugawara (Japan)
*Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan

P-203 Efficacy of Vigabatrin in intractable seizure including spasms associated with Tuberous Sclerosis
Tomoko Kobayashi*, Mitsugu Uematsu, Touroy Nakayama, Rie Suzuki, Wakaba Endo, Ryo Sato, Naomi Fukuyo, Yuri ka Numata, Shigeo Kure (Japan)
*Department of Pediatrics, Tohoku University, Miyagi, Japan

P-204 Phenobarbital-induced changes of ABR and EEG in epilepsy prone mice
Kenichi Saito*, Yasuhide Kawakami, Shinya Koizumi, Kentaro Kuwabara, Takehisa Fujita, Osamu Fujino, Yoshitaka Fukunaga (Japan)
*Nippon Veterinary and Life Science University, Tokyo, Japan

P-205 A case of epilepsy with Large Inv Dup(15)
Tomoko Nishida*, Mayumi Yamamoto, Yukihiro Konishi, Mayumi Kawada, Masanori Namba, Kenichi Isobe, Susumu Itoh (Japan)
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P-206 Acute phase EEG in status epilepticus
Yoko Nishimura*, Aya Narita, Akiko Kondo, Masami Togawa, Yoshihiro Maegaki, Kousaku Oono (Japan)
*Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan

P-207 Clinical study of 8 patients with West syndrome
Hitoshi Sejima*, Keisuke Wada, Yuri Uchida, Kazuki Tsukamoto, Tomohiro Hirade, Kyouko Saito (Japan)
*Department of Pediatrics, Mutsu Red Cross Hospital, Shimane, Japan

P-208 A case of Ohtahara syndrome with a microdeletion in chromosome 9q33-34
Hiroshi Matsumoto*, Kiyotaka Zaha, Yasuko Nakamura, Shin Hayashi, Joji Inazawa (Japan)
*The Department of Pediatrics, National Defense Medical College, Saitama, Japan

P-209 Efficacy and safety of levetiracetam high dose therapy
Yukio Sawashi*, Ikuihiro Inami, Aya Hirayama (Japan)
*Akita Prefectural Center on Development and Disability, Akita, Japan

P-210 Two patients had hypersomnia after first intake of Levetiracetam
Hiroki Kubota*, Shigeru Kimura, Yukio Sawashi (Japan)
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P-211 The side effect of Topiramate; diminished perspiration
Ayako Okano*, Satoshi Takahashi, Rie Miyata, Jyun Koyama (Japan)
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P-212 4p- syndrome with prolonged Fanconi syndrome over 2 years after the cessation of valproate
Masayasu Ohta* (Japan)
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P-213 Efficacy of levetiracetam for patients with intractable frontotemporal lobe epilepsy
Hiroshi Ideguchi*, Shinya Ninomiya, Yukiko Ibara, Yuko Tomonoh, Takahito Fujita, Takahito Inoue, Sawa Yasumoto, Shinichi Hirose (Japan)
*Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

P-214 Effect of Levetiracetam for sever motor and intellectual disabilities with refractory epilepsy
Yoko Kawasaki*, Hiroyuki Imanishi, Mio Nishimura, Takashi Mito (Japan)
*Nikoniko house Medical and Welfare Center, Hyogo, Japan

P-215 Electrocencephalogram after prolonged febrile seizures
Fukiko Ryujin*, Seiichiro Yoshioka, Yuko Sakaue, Tomoyuki Takano, Yoshihiro Takeuchi (Japan)
*Department of Pediatrics Shiga University of Medical Science, Shiga, Japan

P-216 Clinical efficacy of newer-generation antiepileptic drugs in refractory pediatric epilepsy
Monto Kuroda*, Iku Ikeno, Ayano Yokoi, Yusuke Mitani, Yo Niida (Japan)
*Department of Pediatrics, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Ishikawa, Japan

P-217 SCN1A mutation in siblings with Dravet syndrome seems caused by parental germline mosaicism
Michiaki Nagura*, Masanori Tamura, Masayuki Sasaki, Shinichi Hirose (Japan)
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Poster Presentation: Acute Encephalitis / Encephalopathy / Developmental Disorder / Conductive Education And Support
P-218 Acute Disseminated Encephalomyelitis after measles-rubella vaccination
Hitoshi Tonegawa*, Takaumi Sakakibara, Shogo Morichika, Midori Shima (Japan)
*The Department of Pediatrics, Nara Medical University, Nara, Japan

P-219 Immediate relief of M. pneumoniae-associated limbic encephalitis symptoms after mPSL pulse therapy
Haruna Yokoyama*, Shinpei Baba, Toshihiko Kohji (Japan)
*Department of Pediatrics, Musashino Red Cross Hospital, Tokyo, Japan

P-220 Effectiveness of social skills training for child with HFPPD and those parents
Tomoka Yamamoto*, Aika Tatsumi, Hiroko Okuno, Arika Yoshizaki, Saeko Sakai, Ikuko Mohri, Masako Taniike (Japan)
*Molecular Research Center for Children’s Mental Development, United Graduate School of Child Development Osaka University Kanazawa University and Hamamatsu School of Medicine, Osaka, Japan

P-221 Effectiveness of parent training for parents of children with HFPPD : A focus on social skills
Hiroko Okuno*, Tomoka Yamamoto, Aika Tatumi, Arika Yoshizaki, Saeko Sakai, Ikuko Mohri, Toshisaburo Nagai, Masako Taniike (Japan)
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P-222 The cooperation model of the Medical and child care for Children with developmental disorders
Naho Inoue*, Masahiko Inoue, Kousaku Ohno (Japan)
*Graduate School of Medical Sciences, Tottori University Faculty of Medicine, Tottori, Japan

P-223 A case of multiphasic disseminated encephalomyelitis after a 5-year symptom-free interval
Tatsuya Yamamoto*, Isamu Hanada, Azusa Kamura, Hiroshi Fujita (Japan)
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P-224 Summary and consideration of hospitalization of neuromuscular disease patients over 18 years old
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P-225 Support groups approach to the developmental disorders children and their parents in our hospital
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P-226 Cost and benefit by in-clinic counseling system for children with developmental disabilities
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P-227 Twelve cases of language developmental delay in multilingual environments
Shiho Honzawa*, Yasuhiro Arai, Hitomi Noguchi, Shuhei Ide, Yumi Okoshi, Tatsuo Masuyama, Hideomi Ota, Yuji Iwasaki, Masataka Arima (Japan)
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P-228 Three cases of autistic spectrum disorders with school phobia
Harumi Goto*, Chiaki Kishibayashi (Japan)
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P-229 Parental stress associated with caring for young children with developmental disorder
Shuichi Shimakawa*, Takuya Tanabe, Ichiro Kuki, Mitsuaki Kashiwagi, Lisa Uno, Yasuhisa Toribe, Hiroshi Arai, Tetsuzo Tagawa, Hidenori Imaiishi, Toshihiko Nagai, Masaru Nishida (Japan)
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P-230 Developmental disorders in Tsudumigaura handicapped children hospital (adult cases)
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P-231 Problems of medical examination and treatment for foreign patients with developmental disorders
Takeshi Miyamoto* (Japan)
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P-232 Cerebellitis associated with respiratory syncytial virus case report
Hirofumi Ban*, Daisuke Kurokawa, Yuichi Takami, Yukitoshi Takahashi (Japan)
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P-233 Study of 4 case of encephalopathy and encephalitis with antibody of glutamic acid receptor
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P-234 "Tactics of thank you" for the disorder of resistance challenge
Hiroshi Ozawa*, Yuki Inoue (Japan)
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P-235 An autopsy case of enterohemorrhagic Escherichia coli O-157 infection with encephalopathy
Noriko Sawaura*, Keiko Kamayath, Kazuhiro Muramatu, Hirokazu Arakawa (Japan)
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P-236 To notice for parents of development problems of their children in health checkups on 5 year olds
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P-237 Analyze of Wechsler Intelligence Scale for Children in the Pervasive developmental disorder
Nobuko Moriyama*, Miori Satou, Takayuki Naot, Natsuko Oyake (Japan)
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P-238 Cerebral salt wasting syndrome associated with hypoxic-ischemic encephalopathy: three cases report
Naoki Matsuo*, Miyako Kyogoku, Kanako Maruta, Asuka Iwai, Eiji Matsukuma, Atsushi Imamura (Japan)
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P-239 DTI of Children with Acute Encephalopathy with Biphasic Seizures and Late Reduced Diffusion
Eri Nakahara*, Mituru Ikeno, Taiki Shima, Mariko Hosozawa, Shinpe Abe, Toshiaki Shimizu, Akihisa Okumura (Japan)
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P-240 Effectiveness of group parent training for parents of children with developmental disorders
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P-241 A girl with repeated acute encephalitis
Aiko Igarashi*, Minako Ide, Hideo Tuda (Japan)
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P-242 Supplement therapy of carnitine by using a powdered milk for secondary carnitine deficiency
Ushio Ohtaki*, Hiroshi Ozawa, Akiko Kamiishi, Takehiro Ishizuka, Kiyoshi Arimoto, Satoshi Kimiya, Tatsuko Yagihashi, Takayuki Mitsushahi, Yoshitami Sanayama, Shigenori Yamamoto (Japan)
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P-243 The complication of fundoplication and gastrostomy in severe motor and intellectual disabilities
Mutsuki Shioda*, Makoto Funatsu, Osamu Segawa, Makiko Osawa (Japan)
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P-244 Evaluation of Laryngotracheal separation and Glottic closure for neurologically impaired patients
Sakiko Oshima*, Chisen Takeuchi, Masamichi Ariga, Mika Hayakawa, Mika Iwamura, Hideto Saigusa, Masayuki Imai, Yukikatsu Ochiai, Hiroyuki Ida (Japan)
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P-245 A case of hereditary neuropathy with rheumatoid arthritis in home mechanical ventilation
Akiko Haibara*, Kengo Moriyama, Kaoru Uchiyama, Kouji Takahashi, Atsuko Yamamoto, Akimitsu Watanabe (Japan)
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P-246 Current status of pediatric neurology practice guidelines in Japanese
Kentaro Okamoto* (Japan)
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P-247 Cecal volvulus in a child with severe motor and intellectual disabilities
Emiko Momoki*, Yuki Imai, Wakako Ishii, Ayumi Endo, Chikako Arakawa, Ryutaro Kohira, Yukihiko Fujita, Tatsuo Fuchigami, Hideo Mugishima (Japan)
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P-248 The present problems on the in-home care for children on the mechanical ventilator
Masako Nagashima*, Masato Moris, Yukifumi Monden, Tokiko Fukuda, Yasuyuki Nozaki, Takanori Yamagata, Hideo Sugie, Mariko Momoi (Japan)
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P-249 Situation of severe motor and intellectual disabilities and future provision in Fukushima disaster
Kiyoko Ishii*, Hiroyuki Morita, Hiroshi Mishima, Asako Kato, Mitsuaki Hosoya (Japan)
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P-250 Postural management using specialized seating equipment for children with physical disabilities
Misaki Sugai*, Toshifumi Yodoshi, Tsyusyo Matsuoka, Masaharu Ohfu (Japan)
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P-251 The study of correlation with total protein intake and Urinary Calcium excretion in SMID
Ken Momosaki*, Kenji Okumura, Yoichi Nagata, Akihiko Kumura, Tadashi Matusabasa (Japan)
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P-252 A fixation method of tracheal cannula in patients complicated with scoliosis
Tomoki Takechi*, Hideo Ogura (Japan)
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P-253 Effects of botulinum toxin A injection for lower limb spasticity in 7 children
Hidetsugu Nakatsukasa*, Makoto Funatsuka, Mutsuki Shioda, Kyoko Hirasawa, Makio Osawa (Japan)
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P-254 A clinical study of 15 SIMDS cases with non-invasive positive pressure ventilation
Mika Hayakawa*, Masamichi Ariga, Sakiko Oshima, Mika Iwamura, Masayuki Imai, Yukikatsu Ochiiali, Hiroyuki Ida (Japan)
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P-255 Investigation on Patients with Severe Motor and Intellectual Disabilities in NICU and in PICU
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P-256 Withdrawn

P-257 Severe complications in Athetotic cerebral palsy in VLBW
Satori Hirai*, Yukihiro Kitai, Hiroshi Arai, Jiro Abe (Japan)
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P-258 Aripiprazole treatment of aerophagia in patients with severe motor and intellectual disabilities
Makiko Kurossawa*, Koari Kaneko, Yuri Chikumaru, Hiroko Iwamoto, Kumiko Karasawa, Haruhiko Aoyama, Atsuo Nezu (Japan)
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P-259 Clinical features of infants with paroxysmal ocular downward deviation
Kenji Watanabe*, Nozomi Sano, Yuichiro Nuruiki, Kouichi Yoshidome, Rika Fujiyama (Japan)
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P-260 Efficacy of regular intrapulmonary percussive ventilation in severely disabled children
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P-261 Studies of patients death in Shimada ryouku center in the past 50 years
Mami Miwa*, Takehiro Ishizuka, Hiroshi Ozawa, Ushio Ohtaki, Akiko Kamiishi, Yumi Takahashi, Koari Irahara, Kiyoshi Arimoto, Satoshi Kimiya, Yuzuru Inada (Japan)
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P-262 Institutional care and support system of abused children with physical disabilities in Japan
Akira Yoneyama*, Mika Nagase, Yozou Shimoyamada (Japan)
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P-263 Current State and Future Challenges facing Child Rehabilitation in Kodomokkuru
Akiko Tsuzuki*, Aki Ishikawa, Hiroko Shigetomi (Japan)
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P-281 Exercise and cold-induced sodium channel myotonia with a SCN4A point mutation
Katsunori Fujii*, Shunichi Sakoda, Satoshi Anzai, Atsuko Takagi, Hiromi Mizuochi, Tadashi Shiohama, Tomoko Uchida, Hideki Uchikawa, Yoichi Kohno (Japan)
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P-282 Two cases of Merosin-deficient congenital muscular dystrophy with home non-invasive ventilation
Mio Watanabe*, Takashi Shihara, Yumiko Usuda, Takayoshi Kawabata, Kayoko Saitoh (Japan)
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P-283 Behavioral profiles in Tuberous Sclerosis
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P-284 Two siblings with severe infantile form of nemaline myopathy due to ACTA1-gene mutation
Akira Sudo*, Yukiko Hayashi, Hitomo Sano, Nobuaki Kawamura, Ichizo Nishino, Ikuya Nonaka (Japan)
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P-285 Favorable effect of steroid therapy for an 11-years-old girl with acute onset narcolepsy
Rie Miyata*, Masaharu Hayashi, Naoyuki Tanuma, Jun Kohyama (Japan)
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P-286 The effect of botulinum toxin against lower extremity spasticity by the additional electrotherapy
Shingo Onishi*, Masao Adachi (Japan)
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P-287 Long term steroid treatment in three cases of Duchenne muscular dystrophy
Tamami Yano*, Miyuki Toyono, Hiroki Kubota, Sae Ishikawa, Tsutomu Takahashi, Yukio Sawaishi (Japan)
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P-288 A case of Leigh syndrome with mitochondrial DNA G13513A mutation
Sue Ishikawa*, Tamami Yano, Miyuki Toyono (Japan)
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P-289 A case of myotubral myopathy with severe hypocalnitinemnia and choreastic liver injury
Kenji Ori*, Masahiro Morimoto, Yukiko Kasahara, Yusuke Aoki, Takahide Teramoto, Zenichiro Kato, Toshiyuki Fukao, Naomi Kondo (Japan)
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Poster Presentation: Developmental Disorder Examination / Vascular Disorder

P-290 Sudden onset blindness in a 12-years-old female due to central retinal artery occlusion
Hiromi Mizuochi*, Katsunori Fujii, Maiko Suyama, Atsuko Takagi, Tadashi Shiohama, Hideki Uchikawa, Youichi Kouno (Japan)
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P-291 Clinical study of Sturge-Weber syndrome in 8 cases
Hirofumi Kashii*, Aki Ando, Hiroshi Terashima, Sayaka Ohta, Masaya Kubota (Japan)
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P-292 Moyamoya disease 8-years-old boy with calcification from infancy
Hideki Uchikawa*, Katsunori Fujii, Hiroshi Oba, Mayuko Fujita, Hiromi Mizuochi, Tadashi Shiohama, Tomoko Okunushi, Atsuko Takagi, Yoichi Kohno (Japan)
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P-293 Test-retest reliability of ABC-J in children with pervasive developmental disorder
Takashi Enokizono*, Eiji Nakagawa, Yukari Endo, Shigehiro Nagai, Yuku Matsuda, Takashi Saito, Yoshiaki Saito, Hirofumi Komaki, Kenji Sugai, Masayuki Sasaki, Akira Yasumura, Masumi Inagaki (Japan)
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P-294 Two cases of Sturge-Weber Syndrome with leptomeningeal calcification at the neonatal period
Takeya Awashima*, Masami Shibata, Masaaki Narumiya, Seiichiro Yoshioka, Fukiko Ryuujin, Yuko Sakaue, Tomoyuki Takano, Yoshihiro Takeuchi, Toshiaki Taga, Noriko Nishikura (Japan)
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P-295 Clinical course of a girl suffering cavernous sinus syndrome
Mari Hatanaaka*, Syuichi Shimakawa, Shohei Nomura, Miho Fukui, Hiroshi Tamai (Japan)
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P-296 Long-term change of childhood autism rating scale in children with pervasive developmental disorders
Naoko Nishigami*, Nobuaki Iwasaki, Junko Nakayama, Hideyo Kinugasa, Emi Inada, Kenji Shin (Japan)
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P-297 Cerebral infarction triggered by influenza infection in two patients with moy-a-moya disease
Daisuke Tajima*, Muneki Matsuo (Japan)
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P-298 Effect of variation in inter-stimulus interval on the Continuous performance test
Yasuko Tsushima*, Satoshi Sanada, Masafumi Yanagihara, Shigeru Ohno, Toshimi Hirasawa, Makio Oka, Tatsuya Ogino, Yoko Ohtsuka (Japan)
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P-299 Is Neonatal oxytocin assay useful for early diagnosis and therapy of oxytocin deficiency autism?
Naoyuki Ishikita*, Kazuki Masu, Yuki Ueda, Kosuke Otsuka, Midori Nakajima, Hideaki Shiraishi (Japan)
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P-300 A case of familial hemiplegic migraine with diagnostic findings in MRA and EEG
Takatoshi Hosokawa*, Naomi Mitsuda, Taku Ooishi, Hisashi Takasugi, Hiroki Hisakawa, Mikuya Fujieda, Hiroshi Wakiguchi (Japan)
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P-301 Executive function in children with PDD comorbid AD/HD assessed by the Wisconsin card sorting test
Yoko Kado*, Satoshi Sanada, Masafumi Yanagihara, Tatsuya Ogino, Shigeru Ohno, Kiyoko Watanabe, Kousuke Nakano, Teruko Morooka, Makio Oka, Yoko Ohtsuka (Japan)
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P-302 The Six Cases of Cerebral Infarction
Nobuyoshi Sugiyama*, Jyun-ichi Yokoyama, Mariko Ikegami, Yoshihiro Miyashita, Shin-ichi Matsuda (Japan)
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P-303 Analysis of EEG examination among siblings with developmental disorder
Masao Kawatani*, Hiroshi Kometani, Genrei Ohta, Yusei Ohshima, Akemi Tomoda, Michio Hiratani (Japan)
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P-304 Urinary 6-hydroxy-melatonin sulfate excretion and circadian rhythm in patients with Rett syndrome
Naoyuki Tanuma*, Satoshi Komine, Michio Fukumizu, Keiko Tominaga, Kazuo Nemoto, Keisuke Nakajima, Rie Miyata, Masaharu Hayashi, Hiroshi Ozawa (Japan)
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P-305 A case of moyamoya like disease with hyperthyroidism
Hisako Hayashi*, Genrei Ohta, Hiroshi Kometani, Masao Kawatani, Yusei Ohshima (Japan)
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P-306 Auditory event-related evoked potential in children with attention deficit/hyperactivity disorder
Hiroyuki Wakamoto*, Mika Kawabe, Hideo Nagao, Takehiko Morimoto (Japan)
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P-307 Follow-up study of eZIS for two cases with autism spectrum disorders
Motouki Minamitani*, Schin-Ichi Hamano, Manabu Tanaka, Kenjiro Kikuchi, Ryuki Matsuura, Kotoko Sugaya, Hiroyuki Ida (Japan)
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P-308 The effect of methylphenidate to reading ability in ADHD children
Akira Hojo*, Masaru Tatsuno, Kentarou Hanaoka, Kouji Morita, Kazuo Itahashi (Japan)
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P-309 Study for the frontal lobe function using by NIRS in relation to the autistic behavior
Taemi Niimi*, Yuji Inaba, Mitsuo Motobayashi, Takafumi Nishimura, Naoko Shibata (Japan)
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P-310 Withdrawn
P-311 Eye clinic specialized for the people with developmental disorders
Hiroko Yamazaki* Masumi Inagaki, Tomoka Kobayashi, Makiko Kaga (Japan)
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P-312 A case of left serpentine aneurysm occurred in the right upper limb paresis and dysarthria
Tadaki Oomae*, Toshio Osamura, Masahumi Hasegawa (Japan)
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P-313 A case of infantile brain infarction that was noticed by drowsiness and right conjugate deviation
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P-314 Development tests in our hospital
Shinya Koizumi*, Chiharu Miyatake, Osamu Fujino (Japan)
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Poster Presentation: Learning Disorder /Autonomic Nerve, Headache /Electrophysiology /Imaging/Peripheral Nerve

P-315 Developmental changes of Oxy-Hb in the frontal cortex during rock, paper, scissors task with NIRS.
Sayaka Ishi*, Yoshimi Kaga, Kakuro Aoyagi, Tomoko Tando, Hideaki Kanemura, Kanji Sugita, Masao Aihara (Japan)
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P-316 Evaluation of magnocellular function using visual evoked potentials and its effect on reading skills
Tomoka Kobayashi*, Masumi Inagaki, Hiroko Yamazaki, Youketsu Kita, Hisako Yamamoto, Makiko Kaga (Japan)
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P-317 Usefulness of Ramelteon at the time of the electroencephalography
Hiroyuki Akaire*, Eisuke Kondo, Atushi Katou, Hiroki Hujimoto (Japan)
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P-318 The natriuretic peptide improved his migraine involved homonymous hemianopsia in a Sturge-Weber syndrome
Shoshe Nomura*, Shuichi Shimakawa, Mihoko Fukui, Mituru Kashiwagi, Takuya Tanabe, Hiroshi Tamai (Japan)
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P-319 Cyclosporin A treatment in a case of 7 years old female patient with frequent relapsing CIDP
Tatsuyuki Sokoda*, Seiichiro Yoshioaka, Tomoyuki Takano, Yoshihiro Takeuchi (Japan)
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P-320 Abnormal brain function for phonological manipulation in dyslexic children
Yosuke Kita*, Hisako Yamamoto, Kentaro Ohba, Yuri Terasawa, Yoshiyo Moriguchi, Makiko Kaga, Masumi Inagaki (Japan)
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P-321 An evaluation method for the development of the cortical motor area using MRI
Noriyuki Oka*, Kayoko Yoshino, Toshinori Kato (Japan)
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P-322 Chronic inflammatory demyelinating neuropathy -a treatment and clinical course- Atsuko Takagi*, Katsunori Fujii, Mayuko Fujita, Hiromi Mizuuchi, Maiko Suyama, Tadashi Shiokio, Hideki Uchikawa, Youichi Kouno (Japan)
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P-323 Cerebral Blood Flow and Oxygen Metabolism during Schellong Test in Patients with POTS
Ayumi Endo*, Yukihiko Fujita, Hideo Mugishima, Kaoru Sakatani (Japan)
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P-324 Morphological spectrum of hippocampal infolding using magnetic resonance imaging at 3 Tesla
Kayoko Yoshino*, Toshinori Kato (Japan)
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P-325 Diffusion tensor analyses of acute encephalitis with refractory repetitive partial seizures
Taichi Shima*, Akihisa Okumura, Mitsuru Ikeno, Shinpei Abe, Toshiaki Shimizu (Japan)
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P-326 The effect of Decoding Training with DVD and method of evaluation for reading difficulty children
Hitoshi Uchihara*, Ayumi Seki, Daiju Tanaka, Eiji Wakamiya, Tatsuya Koeda (Japan)
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P-327 A boy with acute autonomic and sensory neuropathy depending on intravenous hyperalimentation
Kana Tamai*, Ryuta Tanaka, Isse Izumi, Tae Kamakura, Hitoshi Kikuchi, Tatsuyuki Ohito, Akiko Ishii, Ryo Sumazaki, Masahiro Tsuchida (Japan)
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P-328 Neural responses to biological motion and face in people with Williams syndrome or 22q11.2- syndrome
Masahiro Hirai*, Miho Nakamura, Yukako Muramatsu, Ryuusuke Kakigi (Japan)
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P-329 Asking their daily life is an important thing to treat younger children’s headache
Takashi Mitsufuji*, Fumio Yamamoto, Yasuyuki Ito, Youichiro Hashimoto, Nobuo Araki (Japan)
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P-330 30 cases of migraine in childhood.
Miki Inutsuka* (Japan)
*Sasebo Chuo Hospital, Nagasaki, Japan

P-331 Marked hemiatrophy in cases of children
Hidee Arai*, Koichi Mitsui, Tomoko Uchida, Yoshio Motojima, Taku Obara, Yuzo Tanabe (Japan)
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P-332 Application of automated epileptic seizure detection system in intensive care unit
Azusa Maruyama*, Masahiro Nishiyama, Kyoko Fujita, Hiroaki Nagase (Japan)
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P-333 The predictive factors for reading and writing skills of second graders
Tatsuya Ogino*, Kaoru Hanafusa, Akihito Takeuchi, Teruko Morooka, Makio Oka, Yoko Ohtsuka (Japan)
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P-334 A case of osteogenesis imperfect type 1 associated with megalencephaly and ventricular enlargement
Tadashi Shiohama*, Hiromi Mizuochi, Hideki Uchikawa, Katsunori Fujii, Yoichi Kohno (Japan)
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P-335 Developmental change in the neural substrate for reading kana: an fMRI study
Ayumi Seki*, Hitoshi Uchiyama, Daisuke Tanaka, Tatsuya Koeda (Japan)
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P-336 Background activity on EEG in autism spectrum disorders
Yumi Okoshi*, Akiko Yamamoto, Hitomi Noguchi, Shihou Honzawa, Shuhei Ide, Yasuhiro Arai, Hideomi Ohta, Tatsuo Masuyama, Yuji Iwasaki, Masataka Arima (Japan)
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P-337 Diffuse signal change in cerebral white matter on MRI leading to no corresponding symptom
Hiroshi Kometani*, Masao Kawatani, Genrei Ohta, Yusei Ohshima, Kazushi Miya, You Niida (Japan)
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P-338 Two familial cases of CMT with pyramidal features caused by mutation in the MFN2
Kazuya Itomi*, Motomasa Suzuki, Atsuko Ono (Japan)
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P-339 Complaint of walking disorder after Guillain-Barre syndrome
Keiko Nomura*, Hiroshi Kosuge, Shiro Ozasa, Shigemi Kimura (Japan)
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