The 59th Annual Meeting of the Japanese Society of Child Neurology

June 14th ~ 17th, 2017
Osaka International Convention Center

PROGRAM
The 59th Annual Meeting of the Japanese Society of Child Neurology

Presidential Lecture
Chair: Kousaku Ohno (Japan Labour, Health and Welfare Organization Sanin Rosai Hospital)

General health care systems for children with Down syndrome should be organized in cooperation with medical professionals, education and welfare
Hiroshi Tamai (Department of Pediatrics, Osaka Medical College)

Special Lecture
Chair: Hiroshi Tamai (Department of Pediatrics, Osaka Medical College)

Development of Patient-based Medical Arts: Does a researcher plan about the medical arts in bed-side and on the medical insurance system?
Hiroshi Takenaka (Medicine & Medical System Research Lab)

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

Developmental Dyslexia: 35—years of fascination and discovery and hope for the future
Galaburda Albert (Harvard University)

Education Lecture
Chair: Hiroyuki Hirose (Center for Developmental Disorders of Yokosuka)

Depressive disorders in children and adolescents
Takashi Okada (Department of Child and Adolescent Psychiatry, Aichi, Japan)

Public Forum (Keynote lecture)
Chair: Takao Takahashi (Department of Pediatrics, Keio University School of Medicine)

Bioethical thought based on continuity and discontinuity of our human life
Hiroshi Nishida (Professor emeritus, Tokyo Women’s Medical University / Auditor of Japan Association for Bioethics)

Public Forum (Special lecture)
Chair: Takashi Igarashi (National Center for Child Health and Development)

Keeping children and adolescents with Down syndrome healthy: Medical updates for physicians
Brian G. Skotko (Massachusetts General Hospital)

Public Forum (Lecture)
Journey to our resilient society by embracing our potential and diversities
Chair: Hiroshi Tamai (Department of Pediatrics, Osaka Medical College)

1) Journey to our resilient society by embracing our potential and diversities
Hiroko Kondo (Yokohama Project, Yokohama, Japan)
2) 1st Japanese Congress of Down Syndrome
Kunio Tamai (Taisho University Faculty of Psychology & Sociology)

Public Forum (Symposium 1)
Chair: Hirofumi Ohashi (Division of Medical Genetics, Saitama Children’s Medical Center), Keiko Satomi (Graduate School of Humanities and Sustainable System Sciences, Osaka Prefecture University)

1) Early exercise for babies with Down syndrome
Masae Ono (Tokyo Teishin Hostital, Tokyo, Japan)
2) Characteristics of language and communication among children with Down syndrome and the INREAL approach for their rehabilitation
Mekumi Mizuta (Osaka Medical College, LD Center, Takatsuki, Japan)
3) Oral myofunctional training and development promotion
Reiko Kamiji (Sanyo Gakuen University Faculty of Human Sciences Department of Psychology and Human Life)
4) Support for school—aged children with Down syndrome—Developing the personality of each child
Michio Kojima (Faculty of Human Sciences, University of Tsukuba)

Public Forum (Symposium 2)
Chair: Kunio Tamai (Taisho University Faculty of Psychology & Sociology), Tatsuro Kondo (Division of Developmental Disabilities, The Misakaenosono Mutsumi Developmental, Medical, and Welfare Center, Isahaya, Japan)

1) A report on developmental characteristics of the cognitive function of individuals with Down’s syndrome
Soichi Hashimoto (Center for the Research and Support of Educational Practice, Tokyo Gakugei University, Tokyo, Japan)
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2) Support of rapid regression with Down's syndrome in adolescence and adulthood
   Atsushi Kanno (Center for Research and Support of Education Practice, Tokyo Gakugei University, Tokyo, Japan)
3) Progressive regression of social and communication skills in Down syndrome: a new disease concept
   Tatsuro Kondoh (Division of Developmental Disabilities, The Misakaeosono Mutsumi Developmental, Medical, and Welfare Center, Isahaya, Japan)

Public Forum (Symposium 3)
Chair: Masaharu Hayashi (The School of Nursing, College of Nursing and Nutrition, Shukutoku University, Chiba, Japan),
Yasuji Kitabatake (Center for Maternal, Fetal and Neonatal Medicine, Osaka University Hospital)

1) Down syndrome research using model mice
   Mototada Shirichi (Advanced Medical Devices Research Group, Biomedical Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Osaka, Japan,

2) An extra copy of chromosome 21 explains the pathogenetic mechanism of Alzheimer's disease
   Masashi Asai (Department of Genome-Based Drug Discovery, Graduate School of Biomedical Sciences, Nagasaki University, Nagasaki, Japan)

3) Diagnosis of early-onset Alzheimer's disease in patients with Down's syndrome
   Yuzo Tokuda (Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine, Kyoto, Japan)

4) Tackle a problem of Alzheimer's disease in adults with Down syndrome
   Ryozo Kuwano (Asahigawaso Research Institute, Asahigawaso Medical Welfare, Okayama, Japan)

Symposium 1
Learn and Know Adequate Medical Evaluation and Support in individuals with ADHD by using Questionnaires or Functional examination batteries.
Chair: Junichi Furusho (College of Education, Psychology and Human Studies, Department of Education, Aoyama Gakuin University, Tokyo, Japan),
Masao Aihara (Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi)

1) Application of the Multi-dimensional Scale for PDD and ADHD
   Yasuko Funahibi (Graduate School of Human and Environmental Studies, Kyoto University, Japan)

2) Assessment of ADHD and comorbidities
   Yushiro Yamashita (Department of Pediatrics & Child Health, Kurume University School of Medicine, Fukuoka, Japan)

3) Evaluation of quality of life for early intervention in children with AD/HD
   Fumikazu Sano (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

4) Evaluation of patients with ADHD by near-infrared spectroscopy
   Hideki Negoro (Graduate School of Education, School of Professional Development in Education, Nara University of Education, Nara, Japan)

Symposium 2
How to deal with the results of genetic testing in pediatric neurology practice: from selection to accurate interpretation and explanation
Chair: Kenji Kurosawa (Division of Medical Genetics, Kanagawa Children's Medical Center),
Yukiko Kuroda (Department of Pediatrics, Graduate School of Medicine, The University of Tokyo)

1) Genetic testing of rare intractable diseases and clinical practice in child neurology
   Eiji Nanba (Research Center for Bioscience and Technology, Tottori University, Yonago, Japan)

2) Genetic analysis for Epilepsy
   Atsushi Ishii (Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan)

3) Genetic testing for neuromuscular disorders
   Arakawa Reiko (Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)

4) Tips for clinical evaluation of candidate variants
   Kenjiro Kosaki (Center for Medical Genetics)

Symposium 3
Further discussions of febrile seizures for clinical pediatric neurology specialist: Two years after new release of the guidelines for management of febrile seizures in Japan
Chair: Shin-ichiro Hamano (Division of Neurology, Suita Children's Medical Center),
Takuya Tanabe (Tanabe Children's Clinic)

1) Changes in hospital consultation behaviors of FS patients and general hospital doctors before and after GL publication
   Masaya Kubota (National Center for Child Health and Development)

2) Usefulness of EEG in patients with febrile seizures
   Harumi Yoshinaga (National Hospital Organization Minami-Okayama Medical Center, Okayama, Japan)

3) Un solved issues of febrile status epilepticus and mesial temporal lobe epilepsy: consideration from neuroimaging
   Jun Natsume (Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan)

4) Clinical findings of febrile seizure of over 60 months
   Motoko Ogino (Department of Pediatrics, Hiraoka City Hospital, Osaka, Japan)

5) Significance of the factors of complex febrile seizures
   Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan)
Symposium 4
What is the value at which we will create for supporting children or persons with SMID in the future?
Chair: Masao Kumode (Department of Pediatrics, Biwakogakuen Kusatsu Medical and Welfare Center),
Nobuaki Iwasaki (Department of Pediatrics, Ibaraki Prefectural University of Health Sciences Hospital)

1) Philosophy for support of children or persons with severe motor and intellectual disabilities and their living
Masao Kumode (Department of Pediatrics, Biwakogakuen Kusatsu Medical and Welfare Center, Kusatsu, Japan)

2) Construction of home medical care and the local network
Soichiro Tanaka (Hokkori Sendai, Aozora Clinic, Sendai, Japan)

3) Pathological resolution and the development of interprofessional team approach
Akiko Tamasaki (Child Home Care Support Center, Tottori University Hospital, Tottori, Japan)

4) Internationalization of the researches about persons with severe motor and intellectual disabilities
Sui Sone (Tokyo Metropolitan Higashiyamato Medical Center for Developmental/ Multiple Disabilities, Higashiyamato, Japan)

5) Values created by a society in which severely disabled and non-disabled people are active together
Athuko Kubo (Inclusion Japan Shiga Japan)

Symposium 5
Advance in Studies of Learning Disorders in Japan - Now and in the Future-
Chair: Albert M. Galaburda (Emily Fisher Landau Professor of Neurology and Neuroscience, Harvard Medical School, Massachusetts, USA),
Eiji Wakamiya (Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan)

1) The brain regions related to developmental dyslexia in Japanese
Ayumi Seki (Psychology of Education, Faculty of Education, Hokkaido University, Sapporo, Japan)

2) Investigation of the pathology of specific learning disorder through the study of its comorbidities and genetics
Makio Oka (Department of Child Neurology, Okayama University Graduate School of Medicine, dentistry and Pharmaceutical Sciences, Okayama, Japan)

3) Factors that influence kanji writing disability -The impact of Japanese orthography on literacy problems-
Mari Hatanaka (Department of Pediatrics, Osaka Medical College, Osaka, Japan)

Symposium 6
Sibling support for neurodevelopmental disorder
Chair: Masao Kawatani (Department of Pediatrics, Faculty of Medical Sciences, University of Fuku, Fuku, Japan),
Toshihisa Okada (Kumamoto Hatsuiku Clinic)

1) Basic viewpoint on support for siblings of disabled children
Kunio Tamai (Taisho University Faculty of Psychology & Sociology)

2) The significance and role of siblings
Masahiko Inoue (Torrori University Graduate school of Medicine)

3) Actuality of sibling support program for handicapped children
Tomohiro Suwa (Gumisawa Junior High School Izumi class, Yokohama, Japan)

4) The practice and problems of support for sibling with autism spectrum disorder in Fukui ~from the standpoint of a sibling and pediatrician~
Masao Kawatani (Department of Pediatrics, Faculty of Medical Sciences, University of Fuku, Fuku, Japan)

5) Support for siblings of people with disabilities in Kyoto
Risa Matsumoto (Department of Social Welfare, Faculty of Social Studies, Doshisha University, Kyoto, Japan)

Symposium 7
Duchenne muscular dystrophy: viewpoints from pediatrics
Chair: Masafumi Matsuo (Department of Physical Therapy, Faculty of Rehabilitation, Kobe Gakuin University),
Yuka Ishikawa (Department of Pediatrics, National Organization Yakumo hospital)

1) Diagnostic procedure for Duchenne muscular dystrophy
Tatsuya Fuji (Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan)

2) Genetic diagnosis and genetic counseling of Duchenne muscular dystrophy
Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan)

3) Duchenne muscular dystrophy and cognitive dysfunction
Miho Fukui (Department of Pediatrics, Osaka Medical College, Osaka, Japan)

4) Physical therapy management of Duchenne muscular dystrophy
Ishigaki Keiko (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)

5) Prevention and management of cardiomyopathy in Duchenne muscular dystrophy
Atsuhito Takeda (Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Japan)

6) Pulmonary rehabilitation and practical recommendation to treat dysphagia in patients with Duchenne muscular dystrophy
Yuka Ishikawa (Department of Pediatrics, National Organization Yakumo hospital, Yakumo, Japan)

7) Current status of the therapy and the clinical development
Hirofumi Komaki (Department of Clinical Research Promotion, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
Symposium 8
For comprehensive management against comorbid psychological conditions of children with epilepsy
Chair: Takuya Tanabe (Tanabe Children's Clinic, Osaka, Japan), Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

1) Screening and management of ADHD symptoms in children with epilepsy
   Takuya Tanabe (Tanabe Children's Clinic, Osaka, Japan)

2) Frontal paroxysmal abnormality is a risk of both epilepsy in ASD and perceived stigma in epilepsy
   Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

3) Learning disorders, cognitive dysfunction, and developmental coordination disorder in children with epilepsy
   Mitsuru Kashiwagi (Department of Pediatrics, Hirakata City Hospital, Osaka, Japan)

4) Depressive symptoms are a predictive factor of reduced quality of life in children with epilepsy
   Fumikazu Sano (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

5) Quality of life in childhood epilepsy
   Eri Moriguchi (Department of Nursing, Kyoto Koka Women's University, Kyoto Japan)

Symposium 9
Supporting foetal and neonatal development beyond neuroprotection
Chair: Osuke Iwata (Department of Pediatrics and Child Health, Kurume University School of Medicine), Hidenobu Ohta (Department of Psychiatry, Asai hospital, Togane, Chiba, Japan)

1) Brain development seen in the fetal biological rhythm
   Seiichi Morokuma (Research center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan)

2) Simulating cortical learning of the human fetus via sensorimotor experiences
   Yasunori Yamada (IBM Research - Tokyo, Japan)

3) Exploring post-natal transitional changes of biological rhythms to improve higher cognitive function of high-risk newborn infants
   Sachiko Iwata (Department of Paediatrics and Child Health, Kurume University School of Medicine, Fukuoka, Japan)

4) Lighting conditions and developing human biological clocks
   Hidenobu Ohta (Department of Psychiatry, Asai hospital, Togane, Chiba, Japan)

Symposium 10
Clinical features of acute flaccid myelitis
Chair: Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan), Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital)

1) Detection of Enterovirus D68 and nationwide survey of acute flaccid paralysis, 2015 Japan
   Keiko Tanaka-Taya (Infectious Disease Surveillance Center, National Institute of Infectious Diseases, Tokyo, Japan)

2) Clinical characteristics of acute flaccid myelitis seen in autumn, 2015
   Chong Pin Fee (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)

3) MRI findings of acute flaccid myelitis
   Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

4) Neurophysiological features of acute flaccid myelitis
   Hiroyuki Torisu (Fukuoka Dental College, Fukuoka, Japan)

Symposium 11
How can we identify maltreated children in clinics for developmental disabilities and collaborate with other care professionals in education, child health, and welfare?
Chair: Akemi Tomoda (Research Center for Child Mental Development, University of Fukui), Hiroyuki Yokoyama (Fukushima Medical Center for Children and Women, Fukushima Medical University, Fukushima, Japan)

1) Preliminary evidence for impaired brain activity of neural reward processing in children and adolescents with reactive attachment disorder
   Akemi Tomoda (Research Center for Child Mental Development, University of Fukui, Fukushima, Japan)

2) Behavioral abnormalities in child maltreatment: distinguishing attachment disorder from developmental disabilities in diagnosis and intervention
   Hiroyuki Yokoyama (Fukushima Medical Center for Children and Women, Fukushima Medical University, Fukushima, Japan)

3) Legal knowledge about child abuse and negligence for child neurologists
   Yoshihiko Iwasa (Ibuki Law Office, Osaka, Japan)

4) Doctor cooperates with the administrations or other external institution
   Masato Noda (Graduate School of Science for Human Services, Ritsumeikan University, Kyoto, Japan)
Symposium 12
**Developmental and psychiatric disorders in TSC**
Chair: Kousaku Ohno (Japan Labour, Health and Welfare Organization Sanin Rosai Hospital)

1) Developmental and psychiatric disorders in TSC
   Masaya Kubota (National Center for Child Health and Development)
2) Basic aspects of neurosychiatric problems in TSC
   Atsushi Sato (Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan)
3) Pharmaceutical treatment for developmental disorder and mental disorder in TSC
   Eiji Nakagawa (Department of Child Neurology, National Center Hospital, NCNP, Tokyo, Japan)
4) Sleep in the patients with tuberous sclerosis complex. Review by a certified sleep physician
   Michio Fukumizu (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
5) Neuropsychiatric disorders in tuberous sclerosis complex: the relation to epilepsy and the treatment
   Tohru Okanishi (The Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

Symposium 13
**Palliative care for children with life threatening, non-cancer conditions. What we would like to consider and share as pediatric neurologists.**
Chair: Masayuki Sasaki (The Department of Child Neurology, National Center of Neurology and Psychiatry),
Momoko Sasazuki (Faculty of Health and Welfare, Seinan Jogakuin University / Department of Pediatrics, Kyushu University Hospital)

1) Pediatric palliative care: Theory and evidence
   Shin Okazaki (Osaka city general hospital, Osaka, Japan)
2) Experience of palliative care for adult intractable disease
   Mieko Ogino (Kitasato University School of Medicine Research and Development Center for New Medical Frontiers, Department of Comprehensive Medicine Division of Integrated Care and Whole Person Care)
3) What we see and experience through pediatric PCT (palliative care team) approach.
   Momoko Sasazuki (Faculty of Health and Welfare, Seinan Jogakuin University, Fukuoka, Japan)
4) Medical and palliative care of newborn infants with severe illness: From the site of neonatal intensive care
   Kazuhiko Kabe (Department of Neonatology, Saitama Medical Center, Saitama Medical University, Kawagoe, Japan)
5) Palliative Care in the Pediatric Intensive Care Unit.
   Takehiro Niitsu (Saitama Children’s Medical Center Department of Critical Care Medicine,)
6) Palliative care in progressive neurological disorders of children
   Masayuki Sasaki (The Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan)

Symposium 14
**Medical care, rehabilitation and education of developmental coordination disorder**
Chair: Akio Nakai (Hyogo Children’s Sleep and Development Medical Research Center),
Mitsuru Kashiwagi (Department of Pediatrics, Hirakata City Hospital, Osaka, Japan)

1) Overview of developmental coordination disorder
   Mitsuru Kashiwagi (Department of Pediatrics, Hirakata City Hospital, Osaka, Japan)
2) An embodied cognition approach from coordination to neurodevelopmental disorders
   Akio Nakai (Hyogo Children’s Sleep and Development Medical Research Center, Kobe, Japan)
3) Habilitation for children with developmental coordination disorders
   Ryoichiro Iwanaga (Unit of Rehabilitation Sciences, Nagasaki University Graduate School of Biomedical Sciences,)
4) DCD and P. E. in Japan
   Yukinori Sawae (The faculty of Health and Sport, The University of Tsukuba, Tsukuba, Japan)

Symposium 15
**Recent Advancement of Inherited Metabolic Diseases: Treatment of Neuronal Ceroid Lipofuscinosis(NCL)**
Chair: Akira Oka (The University of Tokyo Review Committee of The Japan Obstetric Compensation System for Cerebral Palsy),
Norio Sakai (Division of Health Science, Osaka University Graduate School of Medicine)

1) UpDate of treatment of inheritedmetabolic diseases—neuronal ceroidlipofuscinosis
   Yoshikatsu Eto (Advanced Clinical Research Center, Institute of Neurological Disorders, Kanagawa, Japan)
2) Intracerebroventricular cerliponase alfain children with CLN2 disease: Results from a phase 1/2, open—label,dose—escalation study
   Specchio Nicola (Bambino Gesu Childrens Hospital, IRCCS, Rome, Italy)
Symposium 16
Treatment strategy of acute encephalitis/encephalopathy
Chair: Hiroaki Nagase (Department of Mental Health for Children and Parents, Kobe University Hospital), Mitsuru Kashiwagi (Department of Pediatrics, Hikarata City Hospital, Osaka, Japan)

1) Overview of treatment strategies for acute encephalitis/encephalopathy
   Mitsuru Kashiwagi (Department of Pediatrics, Hikarata City Hospital, Osaka, Japan)
2) Treatment strategy of acute encephalopathy in tertiary hospital: timing and choice of intervention
   Masahiro Nishiyama (Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)
3) Treatment strategies for acute encephalitis and acute encephalopathy: current state of affairs and new attempts at a tertiary acute care facility
   Ichiro Kuki (The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan)
4) Molecularly targeted therapy opens a new avenue for therapeutics of acute encephalitis and encephalopathy
   Hiroshi Sakuma (Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

Symposium 17
Clinical significance and new developments in high-frequency oscillations and new developments in their studies
Chair: Hiroshi Otsubo (The Hospital for Sick Children, Toronto, Canada), Katsuhiro Kobayashi (Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)

1) The comparison of physiological and epileptogenic high frequency oscillations
   Tetsuro Nagasawa (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
2) Epileptic HFOs on the recordings of intracranial EEG
   Tohru Okanishi (The Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)
3) Epileptic high-frequency oscillations in scalp electroencephalogram
   Takashi Shibata (Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan)
4) High frequency oscillations of auditory evoked magnetic fields in autism spectrum disorders
   Hidetoshi Takahashi (Department of Child and Adolescent Mental Health, National Institute of Mental Health, National Center of Neurology and Psychiatry, Kodaira, Japan)

Symposium 18
Undiagnosed intractable disease: Therapeutic and preventive strategy for kernicterus of preterm infants
Chair: Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan), Hiroshi Arai (Department of Pediatric Neurology, Bobath Memorial Hospital, Osaka, Japan)

1) Current status of kernicterus of preterm infants and its diagnosis
   Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)
2) Neurological features and MR images of children with kernicterus in infancy and childhood
   Yukihiro Kitai (The department of pediatric neurology, Morinomiya Hospital, Osaka, Japan)
3) Therapy
   Satori Hirai (Morinomiya Hospital, Osaka, Japan)
4) A new proposed hyperbilirubinemia management and treatment criteria for preterm infants
   Ichiro Morioka (Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan)

The Perspective of Leaders
Chair: Shigemi Morioka (Department of Pediatrics, Fukui Aiiku Hospital)

Learning from incurable diseases: patients know what doctors should do
Masaharu Hayashi (The School of Nursing, College of Nursing and Nutrition, Shukutoku University, Chiba, Japan)

Chair: Tomonari Awaya (Department of Anatomy and Developmental Biology, Kyoto University Graduate School of Medicine)

Spinal muscular atrophy: diagnosis, recent advances in therapy and possible prevention
Kayoko Saito (Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)

Chair: Takafumi Sakakibara (Department of Pediatrics, Nara Medical University)

Investigating the pathogenesis of genetic disorders to establish a new paradigm for understanding biology
Yoko Aoki (Department of Medical Genetics, Tohoku University School of Medicine, Sendai, Japan)
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The Perspective of Leaders4
Chair: Tomohiro Chiyonobu(Department of Pediatrics, Kyoto Prefectural University of Medicine)

No clinical medicine without research: how to balance clinical medicine and research
Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

The Perspective of Leaders5
Chair: Tatsuharu Sato(Department of Pediatrics, Nagasaki University Hospital)

Noninvasive respiratory management of patients with neuromuscular disease and severe global developmental delay
Yuka Ishikawa (Department of Pediatrics, National Organization Yakumo hospital, Hokkaido, Japan)

The Perspective of Leaders6
Chair: Akari Takai(Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine)

A viewpoint on pediatric epilepsy research
Hirokazu Ogumi (The department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

The Perspective of Leaders7
Chair: Masaharu Moroto(Kyoto Prefectural Chutan-nishi Public Health Center)

Open the road to meet marvelous people
Tasuku Miyajima (Department of Education for Childcare, Tokyo Kasei University, Saitama, Japan)

The Perspective of Leaders8
Chair: Kaori Irahara(Department of Pediatrics, Graduate School of Medicine, Osaka University)

L-arginine, pyruvate, and GDF15
Yasutoshi Koga (Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan)

Planning seminar1
Chair: Keiichi Takeda (LD Center, Osaka Medical College, Takatsuki, Japan)

1) What should we know to help children for better social adjustment after grown up?
   Eiji Wakamiya (Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan)
2) How to support the ASD by the social welfare
   Emiko Matsuomoto (Kansai University of International Studies, Hyogo Japan)
3) Educational intervention for children and adolescents with autism spectrum disorder
   Miyuki Torii (Graduate School of Human Development and Environment, Kobe University, Kobe, Japan)
4) Basic policy of provision of reasonable accommodation in the areas of education
   Yuichi Tanaka (Elementary Secondary Education Special Support Education Division, Ministry of Education, Culture, Sports, Science and Technology in Japan)
5) Career education program for children with developmental disorders
   Sanae Iijima (Kaien, Inc. Tokyo, Japan)

Planning seminar2
Chair: Hiroshi Arai(Department of Pediatric Neurology, Bobath Memorial Hospital),
   Hiroshi Ozawa(Shimada Ryoiku Center Hachioji)

1) Neuromodulation for children with cerebral palsy
   Hiroshi Arai (Department of Pediatric Neurology, Bobath Memorial Hospital, Osaka, Japan)
2) Training—induced functional recovery and neuronal plastic changes after primary motor cortex lesion
   Noriyuki Higo (Human Informatics Research Institute, National Institute of Advanced Industrial Science and Technology (AIST))
3) Cybernic treatment using the cyborg—type robot Hybrid Assistive Limb
   Takashi Nakajima (Department of Neurology, Niigata National Hospital NHO, Kashiwazaki, Japan)
4) Deep brain stimulation for children with abnormal involuntary movements
   Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

Planning seminar3
Chair: Eiji Wakamiya(Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan)

1) Mechanism of language from the viewpoint of language symptoms following brain damage
   Mika Otsuki (Graduate School of Health Sciences, Hokkaido University, Sapporo, Japan)
2) The process of lexical acquisition and the cognitive function that makes it possible
   Mutsumi Imai (The Faculty of Environment and Information Studies, Keio University, Japan)
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Planning seminar 4
Chair: Masao Aihara (Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi)

Functional communication systems between frontal lobe and cerebellum from clinical practice
Shinichiro Maeshima (Department of Rehabilitation Medicine II, School of Medicine, Fujita Health University, Tsu, Japan)

Planning seminar 5
Chair: Shinya Miyamoto (Faculty of Human Sciences, University of Tsukuba)

1) Localization of visual cognition
   Kazumi Hirayama (Department of Occupational Therapy, Yamagata Prefectural University of Health Science, Yamagata, Japan)

2) Development and clinical application of visual perception/cognition test
   Tomohito Okumura (LD Center, Osaka Medical College, Takatsuki, Japan)

Planning seminar 6
Chair: Mototada Shichiri (Advanced Medical Devices Research Group, Biomedical Research Institute, National Institute of Advanced Industrial Science and Technology (AIST))

1) Anomalous properties of internal model in autism spectrum conditions: a computational approach
   Jun Izawa (Tsukuba, Ibaraki)

2) Functional recovery from post-stroke hemiplegia by brain-machine interface: towards application to pediatric neurology
   Junichi Ushiba (Laboratory for Rehabilitation Neuroscience, Department of Biosciences and Informatics, Faculty of Science and Technology, Keio University, Kanagawa, Japan)

Debate discussion
Chair: Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital),
   Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

1) A case of refractory epilepsy associated with tuberous sclerosis complex
   Tohru Okanishi (The Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

2) A case with early-onset epileptic encephalopathy
   Hirokazu Kurahashi (Department of Pediatrics, School of Medicine, Aichi Medical University)

3) A case with presumed occipital lobe epilepsy without obvious MRI lesion
   Yu Kobayashi (Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan)

Transitional medical care with patients' families
Chair: Hitoshi Yamamoto (Department of Pediatrics, St. Marianna University School of Medicine),
   Miho Fukui (Department of Pediatrics, Osaka Medical College)

Committee's Seminar
Amended ethical guidelines for medical research, reflecting personal information protection act
Chair: Kyoko Itoh (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine, Graduate School of Medical Science)

Shinji Fushiki (Center for Quality Assurance in Research and Development, Kyoto Prefectural University of Medicine, Kyoto, Japan)

Committee's Seminar
Seminar hold by the Joint Research Support Committee [Part 1]

[Part 1]
Chair: Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children's Hospital),
   Masafumi Morimoto (Department of Pediatrics, Kyoto Prefectural University of Medicine)

1) Neurological comorbidity in children with neurofibromatosis type 1
   Muneaki Matsuo (Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan)

2) Establishing a classification and severity scale for septo-optic dysplasia
   Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

3) Development of systems for the diagnosis, treatment, and study of inherited white matter disorders
   Hitoshi Osaka (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)
Committee's Seminar
Seminar held by the Joint Research Support Committee [Part 2]
[Part 2] Chair: Masayuki Sasaki (The Department of Child Neurology, National Center Hospital of Neurology and Psychiatry)
Masafumi Morimoto (Department of Pediatrics, Kyoto Prefectural University of Medicine)

1. Genetics of cerebral palsy
   Kazuhiro Haginoya (Department of Pediatric Neurology, Miyagi Children’s Hospital)
2. Gene discovery for infantile—onset epileptic encephalopathies changes a paradigm for medicine
   Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)
3. Genetics of congenital cerebral hypomyelination
   Hitoshi Osaka (Department of Pediatrics, Jichi medical university, Tochigi, Japan)
4. Alternating Hemiplegia of Childhood
   Masayuki Sasaki (The Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan)

Committee's Seminar
Situations and Problems of medical care at school
Chair: Satoshi Takada (Graduate School of Health Sciences, Kobe University)

1. The current state of the medical care and problem in school
   Noriyuki Bundo (Ministry of Education, Culture, Sports, Science and Technology - Japan, Tokyo, Japan)
2. Support for student using respirator at Chiba prefecture special support school
   Mitsuko Ishii (Department of Pediatric Neurology, Chiba Rehabilitation Center, Chiba, Japan)
3. The guide for taking care of students who need a ventilator in special needs school
   Kiyokuni Miura (Department of Pediatric Neurology, Toyota Municipal Child Development Center, Toyota, Japan)

Committee's Workshop
What should child neurologist do after 10 years, and what should the Japanese society of child neurology be after 30 years
Chair: Jun Kohyama (Tokyo Bay Urayasu Ichikawa Medical Center),
Akemi Tomoda (Research Center for Child Mental Development, University of Fukui)

1. Proposals to globalize the Japanese Society of Child Neurology
   Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)
2. Future of support for children or persons with severe motor and intellectual disabilities
   Masao Kumode (The Department of Pediatrics, Biwakogakuen Kusatsu Medical and Welfare Center,)
3. Promotion of joint research within JSCN
   Masafumi Morimoto (Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto Japan)
4. Enabling Women Doctors to Thrive Vividly
   Akemi Tomoda (Research Center for Child Mental Development, University of Fukui, Fukui, Japan)
5. JSCN Vision : Child Neurology 2035
   Kaeko Ogura (The Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan)

Committee's Seminar
Explore medical safety in child neurology
Chair: Hideo Yamanouchi (Department of Pediatrics, Saitama Medical University),
Seigo Korematsu (Oita University Faculty of Medicine Division of Educational Support for Regional Pediatrics)

1. The safe usage of intravenous anticonvulsants
   Madoka Hoshide (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan)
2. Questionnaire survey on actual situation towards proposal “guideline on sedation at physiological examination”
   Yusaku Miyamoto (Clinical Safety Committee, The Japanese Society of Child Neurology, Tokyo, Japan)
3. Management of children with minor head trauma in terms of medical safety
   Shoko Shimokawa (Department of Neurosurgery, Faculty of Medicine, Saga University, Saga, Japan)
4. Sedation for pediatric magnetic resonance imaging: a web—based survey
   Gaku Yamanaka (Japan Pediatric Society Committee on Patient Safety, Tokyo, Japan)

Committee's Seminar
Efficacy and issues of the ketogenic diet
Chair: Harumi Yoshinaga (National Hospital Organization Minami-Okayama Medical Center),
Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and neurological disorders, NHO)

1. History and mechanisms of ketogenic diet
   Tomohiro Kumada (Department of Pediatrics, Shiga Medical Center for Children, Shiga, Japan)
2. The efficacy of the ketogenic diet: inherited error of metabolism
   Shin Nabatame (Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan)
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3) The efficacy of the ketogenic diet: epilepsy
   Yukitoshi Takahashi (National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, NHO, Japan,)
   Hirokazu Oguni (The department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)

Committee's Seminar
Chair: Yoshitaka Maegaki (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University Hospital),
   Kitami Hayashi (Tokyo Women's Medical University Yachiyo Medical Center Department of Pediatric Neurology)

1) Prehospital and first-line treatment for status epilepticus
   Ichiro Kuki (The Department of Child Neurology, Osaka City General Hospital, Osaka, Japan)

2) Prevention of seizure recurrence and treatment for benzodiazepine-resistant convulsive status epilepticus
   Kenjiro Kikuchi (Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan)

3) Management of refractory and super-refractory status epilepticus
   Hiroaki Nagase (Department of Mental Health for Children and Parents, Kobe University Hospital, Kobe, Japan)

4) Evaluation of convulsive status epilepticus
   Tomoyuki Akiyama (Department of Child Neurology, Okayama University, Okayama, Japan)

Practical Education Seminar 1
1) Basics of involuntary movements: video, surface EMG and neuroimaging in pediatric neurological disorders
   Kenji Sugai (Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan)

2) Pathophysiology and treatment of movement disorders
   Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

Practical Education Seminar 2
Medical home healthcare practical exercise seminar
   Hakuyo Ebara (Ebara Children's Clinic,)

Practical Education Seminar 3-1
Eiji Wakamiya (Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan)
   Naoko Kurimoto (LD Center, Osaka Medical College, Takatsuki, Japan)
   Tomohito Okumura (LD Center, Osaka Medical College, Takatsuki, Japan)
   Mekumi Mizuta (LD Center, Osaka Medical College, Takatsuki, Japan)
   Takashi Takeshita (LD Center, Osaka Medical College, Takatsuki, Japan)

Practical Education Seminar 3-2
Facilitator: Eiji Wakamiya (Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan),
   Keiko Tanaka, Mari Hatanaka (Department of Pediatrics, Osaka Medical College, Osaka, Japan)

Group discussion
   Eiji Wakamiya (Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan,)

Practical Education Seminar 4
Chair: Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital),
   Shin Okazaki (Department of Child Neurology, Osaka City General Hospital)

1) Pediatric palliative care: An overview
   Jun Nagayama (KKR Hamanomachi Hospital, Fukuoka, Japan)

2) Communication in difficult situations: in clinical practice
   Hitomi Ninomiya (Division of Gastrointestinal Medical Oncology, National Cancer Center, Tokyo, Japan)

3) The concept and practice of advance care planning
   Nobuyuki Yotani (Department of Palliative Medicine, Kobe University Graduate School of Medicine, Kobe, Japan)

4) Critical decision: making and end-of-life care
   Mekumi Mizuta (Faculty of Health and Welfare, Seinan Jogakuin University / Department of Pediatrics, Kyushu University Hospital)

Practical Education Seminar 5
Chair: Jun-ichi Takanashi (Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan),
   Hiroshi Oba (Department of Radiology, Teikyo University Hospital)

1) Up to date neuroimaging in leukencephalopathy
   Jun-Ichi Takanashi (Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan)

2) Diagnostic imaging of drug-induced encephalopathy of childhood
   Hiroshi Oba (Department of Radiology, Teikyo University Hospital)
3) Cerebrovascular disorders in young people: focused on hemorrhage
Harushi Mori (Department of Radiology, Graduate school and Faculty of Medicine, the University of Tokyo, Japan)

4) Imaging spectrum of mitochondrial and associated diseases
Kaoru Sumida (The Department of Radiology, Teikyo University Hospital, Tokyo, Japan)

5) Systemic diseases: radiological approach with CNS
Masahiro Kitami (Department of Diagnostic Radiology, Tohoku University Graduate School of Medicine, Miyagi, Japan)

Practical Education Seminar 6
Chair: Kimitaka Takitani (Department of Pediatrics, Osaka Medical College)

How to Master International Conferences: Q&A Workshop for your JSCN Presentation!
Daisy E. Rotzoll (University of Leipzig, Medical Faculty)

Practical Education Seminar 7
Chair: Atsushi Araki (Department of Pediatrics, Osaka Saiseikai Noe Hospital, Osaka, Japan),
Masao Aihara (Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi)

1) Progress of electroencephalogram and the application to epilepsy
Tohru Okanishi (The Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

2) Analysis of functional brain abnormalities in autism spectrum disorder
Kenji Mori (Department of Child Health & Nursing, Tokushima University Graduate School, Tokushima, Japan)

3) EEG abnormalities in ADHD
Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

4) Assessment of brain function in children with learning disorder
Yosuke Kita (National Institute of Mental Health, National Center of Neurology and Psychiatry (NCNP))

5) Clinical applications of evoked potentials for neurological disorders in childhood
Atsushi Araki (Department of Pediatrics, Osaka Saiseikai Noe Hospital, Osaka, Japan)

Practical Education Seminar 8
Chair: Katsuo Sugita (Division of Child Health, Faculty of Education, Chiba University)

1) Semiological approaches to convulsive disorders
Hideo Enoki (Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital)

2) Extremely private neurological symptomatology from a single case
Masaya Kubota (National Center for Child Health and Development)

3) Diagnostic reasoning in child neurology
Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine)

Practical Education Seminar 9
Chair: Nobuhiko Okamoto (Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan),
Seiji Mizuno (Department of Pediatrics, Aichi Human Service Center, Aichi, Japan)

1) The basic of clinical dysmorphology
Kenji Shimizu (Division of Medica Genetics, Saitama Children's Medical Center, Saitama, Japan)

2) Behavioral characteristic of congenital anomaly syndrome
Seiji Mizuno (Department of Pediatrics, Aichi Human Service Center, Aichi, Japan)

3) Recognizable dysmorphic findings associated with inborn errors of metabolism
Yoriko Watanabe (Department of Pediatrics and Child Health, Kurume University, Kurume, Japan)

4) Dysmorphology and genetic syndromes in pediatric neurology
Nobuhiko Okamoto (Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan)

Practical Education Seminar 10
Chair: Junichi Furusho (Collage of Education, Psychology and human studies, Department of Education, Aoyamagakuin University, Tokyo, Japan),
Toshisaburo Nagai (Poole Gakuin University & College, Faculty of Education)

1) Using Japanese version of Vineland—II adaptive behaviors scale in clinical settings
Masatsugu Tsuji (Faculty of Sociology, Chukyo University, Toyota, Japan)

2) The Japanese versions of the KINDL® questionnaire—an overview and application
Kumiko Matsuzaki (Faculty of Letters, Department of Clinical Psychology, Atomi University, Niiza, Japan)

3) Clinical Utilization of the KINDL®
Junichi Furusho (Collage of Education, Psychology and human studies, Department of Education, Aoyamagakuin University, Tokyo, Japan)
Practical Education Seminar11
Fourth practical education seminar of genetics
Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences,)
Takanori Yamagata (Department of Pediatrics, Jichi Medical University)
Hitoshi Osaka (Department of Pediatrics, Jichi medical university, Tochigi, Japan)
Yasunari Sakai (Department of Pediatric, University of Kyushu, Fukuoka)
Toshiyuki Yamamoto (Institute of Medical Genetics, Tokyo Women's Medical University)
Takahito Wada (Department of Medical Ethics and Medical Genetics, Kyoto University Graduat)

Sponsored Seminar1
Chair:Hiroshi Ozawa(Shimada Ryoiku Center Hachioji)
1) Exercise: The Magic potion to make our brains the best they can be
   John J. Ratey (Harvard Medical School)
   Ayako Tsumita (Department of Pediatrics, Juntendo University Urayasu Hospital, Chiba, Japan)

Sponsored Seminar2
New prospects in AMPA receptors –From basic to clinical approaches–

Luncheon Seminar1
Chair:Tsukasa Miyajima(Faculty of Child Studies, Department of Education for Childcare, Tokyo Kasei University)
Understanding irritability in autism spectrum disorders
   Takashi Okada (Department of Child and Adolescent Psychiatry, Nagoya University Graduate School of Medicine, Aichi, Japan)

Luncheon Seminar2
Chair:Akemi Tomoda (Research Center for Child Mental Development, University of Fukui)
Therapeutic strategy for developmental disorders—Approach in consideration of EEG findings—
   Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan)

Luncheon Seminar3
Chair:Takao Takahashi(Department of Pediatrics, Keio University School of Medicine)
Molecular basis for anti—epilepticdrugs and therapy
   Hitoshi Osaka (Department of Pediatrics, Jichi Medical University School of Medicine)

Luncheon Seminar4
Chair:Akihisa Okumura(Department of Pediatrics, Aichi Medical University)
Endocrine disorders in child neurology : endocrinological treatments in Prader‒Willi syndrome
   Nobuyuki Murakami (Department of Pediatrics Dokkyo Medical University Koshigaya Hospital)

Luncheon Seminar5
Chair:Takato Morioka(Department of Neurosurgery and Epilepsy Center, Fukuoka Children’s Hospital)
Vagus nerve stimulation therapy in pediatric patients with intractable epilepsy
   Hideo Enoki (Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)

Luncheon Seminar6
Chair:Keiko Ishigaki(Department of Pediatrics, Tokyo Women's Medical University)
1) Neuromuscular disorders with hyperCKemia
   Ikuya Nonaka (National Center Hospital, National Center of Neurology and Psychiatry)
2) Diagnosis & 10-year ERT Outcome of Pompe disease
   Ayako Hattori (Department of Pediatrics, Nagoya City University)

Luncheon Seminar7
Chair:Yushiro Yamashita(Department of Pediatrics and Child Health Kurume University School of Medicine)
Therapeutic strategy of medication and surgery for patients with intractable epilepsy
   Hideaki Shiraishi (Department of Pediatrics, Epilepsy Center, Hokkaido University Hospital)
Luncheon Seminar 8
Chair: Ryuichi Saura (Department of Physical and Rehabilitation Medicine, Division of Comprehensive Medicine, Osaka Medical College)

The basic knowledge of ITB therapy for spasticity in children
Takeshi Saito (Department of Neurosurgery, University of Occupational and Environmental Health)

Luncheon Seminar 9 / Uptake of the Japan Obstetric Compensation System
Chair: Atsuo Nezu (Yokohama Medical and Welfare Centre, Konan)
1) The current situation and issues of the Japan obstetric compensation system
   Hideaki Suzuki (Division of Japan Obstetric Compensation System Operation, Japan Council for Quality Health Care)
2) Exclusion criteria of the Japan obstetric compensation system for cerebral palsy
   Akira Oka (The University of Tokyo)

Luncheon Seminar 10
Chair: Akira Oka (Department of Pediatrics, Graduate School of Medicine, University of Tokyo)
1) The features of tuberous sclerosis complex and its comprehensive management
   Akihisa Okumura (Department of Pediatrics, Aichi Medical University)
2) The future direction of the personalized medical care for TSC
   Kuriko Kagitani-Shimono (United Graduate School of Child Development, Osaka University)

Luncheon Seminar 11
Chair: Arai Hiroshi (Department of Pediatric Neurology, Bobath Memorial Hospital, Osaka, Japan)

Intravenous Infusion of Auto Serum-expanded Autologous Mesenchymal Stem Cells derived from Bone Marrow: Therapeutic Outlook for Stroke and Spinal Cord Injury
Masanori Sasaki (Department of Neural Regenerative Medicine, Research Institute for Frontier Medicine, Sapporo Medical University School of Medicine)

Luncheon Seminar 12
Chair: Shin Nabatame (Pediatric Neurology & Epileptology Department of Pediatrics, Graduate School of Medicine OSAKA UNIVERSITY)

Pediatric neurologists and rare diseases: vitamin B6 dependent epilepsy
Tomoyuki Akiyama (Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences Epilepsy Center, Okayama University Hospital)

Luncheon Seminar 13
Chair: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)

Importance of early diagnosis and treatment of Gaucher disease latent in epilepsy and neurological symptoms
Kimitoshi Nakamura (Department of Pediatrics, Kumamoto University Graduate School of Medical Sciences)

Luncheon Seminar 14
Chair: Hirokazu Oguni (Pediatrics, Tokyo Women's Medical University)

Management of non-intractable epilepsy during childhood to improve QOL during adulthood
Shin-Ichiro Hamano (Division of Neurology, Saitama Children's Medical Center)

Luncheon Seminar 15
Chair: Toshihiro Ohura (Division of Pediatrics, Sendai City Hospital)

Challenging diagnosis of type 2 and 3 Homocystinuria in Newborn Mass-screening
Osamu Sakamoto (Department of Pediatrics Tohoku University School of Medicine)

Luncheon Seminar 15
Chair: Toshihiro Ohura (Division of Pediatrics, Sendai City Hospital)

5,10-methylenetetrahydrofolate reductase deficiency treated with betaine and methionine early in infant.
Keita Otsuka (Division of Neonatal Intensive Care, Center for Perinatal Medicine, Nara Medical University Hospital)

Luncheon Seminar 16
Chair: Yushiro Yamashita (Department of Pediatrics & Child Health, Kurume University School of Medicine)

Pharmacotherapy for ADHD
Takashi Okada (Department of Child and Adolescent Psychiatry, Nagoya University Graduate School of Medicine, Aichi, Japan)
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Luncheon Seminar17
Chair: Kousaku Ohno (Sanin Rosai Hospital)

1) Role of new Suspicion Index and its utilization
   Norio Sakai (Child Healthcare and Genetic Science Laboratory, Division of Health Science, Osaka University Graduate School of Medicine)
2) Screening test for Niemann—Pick disease type C by analysis of urinary abnormal bile acids
   Masamitsu Maekawa (Department of Pharmaceutical Sciences, Tohoku University Hospital)
3) Significance and Usage of Oxysterol and Lysosphingomyelin
   Yoshikatsu Eto (Advanced Clinical Research Center, Institute of Neurological Diseases/ The Jikei University School of Medicine)

Luncheon Seminar18
Chair: Shinobu Ida (Division of Pediatric Gastroenterology, Nutrition and Endocrinology, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan)

Growth disorder and zinc deficiency
   Hiroko Kodama (Department of Health and Dietetics, Faculty of Health and Medical Science, Teikyo Heisei University, Tokyo, Japan)

Luncheon Seminar19
Chair: Yasuhiro Takeshima (Department of Pediatrics, Hyogo College of Medicine)

1) Clinical conditions and diagnosis of spinal muscular atrophy
   Kayoko Saito (Institute of Medical Genetics Tokyo Women's Medical University)
2) Genetic diagnosis of spinal muscular atrophy
   Toshio Saito (Department of Neurology National Hospital Organization Toneyama National Hospital)

Luncheon Seminar20
Chair: Hideo Yamanouchi (Child Neurology and Clinical Genetics Department of Pediatrics Saitama Medical University)

The efficacy of midazolam as first-line drug in controlling status epilepticus in children
   Kiyotaka Murakami (Nakano Children's Hospital)

Luncheon Seminar21
Chair: Tatsuo Fuchigami (Nihon University Hospital Department of Pediatrics)

Intestinal bacteria and mental health diseases
   Nobuyuki Sudo (Department of Psychosomatic Medicine Graduate School of Medical Sciences Kyushu University)

Afternoon Seminar
Chair: Kuniaki Iyoda (Fukuyama Support Center of Development and Care for Children)

Primary care for febrile seizure in reference to new guidelines 2015
   Takuya Tanabe (Tanabe Children's Clinic, Osaka, Japan)

Evening Seminar1
Chair: Yoko Ohtsuka (Asahigawaso rehabilitation and medical center)

Carnitine deficiency: Risk factors in children with epilepsy
   Mitsumasa Fukuda (Department of Pediatrics, Ehime University Hospital)

Evening Seminar2
Chair: Hiroshi Tamai (Department of Pediatrics, Osaka Medical College), Akihiro Yasuhara (Yasuhara Children's Clinic)

1) Clinical Neuropsychology of Frontal Lobe Dysfunction
   Masaru Mimura (Department of Neuropsychiatry School of Medicine, Keio University)
2) Characteristics of neuro-cognitive functions in autism spectrum disorder and ADHD
   Motomi Toichi (Kyoto University Graduate School of Medicine, Faculty of Human Health Science)

Evening Seminar3
Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)
Hiroyuki Yamamoto (Pediatrics / Developmental Pediatrics, Nagoya University Graduate School of Medicine)

Case conference
Chair: Kenji Sugai (Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Tokyo, Japan)

An 8-Year-Old Girl Suspecting Anti-MOG Antibody-Related Multiphasic Disseminated Encephalomyelitis
   Genrei Ohta (Department of Pediatrics, University of Fukui, Fukui, Japan)

The 2nd research meeting of the pediatric autoimmune neuropsychiatric disorders
The 9th Annual Meeting of the Japanese Society for Pediatric immune-mediated brain diseases
Chair: Masashi Mizuguchi (Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo), Hiroyuki Torisu (Department of Pediatrics, Fukuoka Dental University)

1) The significance of autoantibodies in the immune-mediated CNS diseases
   Hiroyuki Torisu (Fukuoka Dental College, Fukuoka, Japan)
2) Anti-AQP4 antibody related diseases and anti-MOG antibody related diseases
   Ichiro Nakashima (Department of Neurology, Tohoku University School of Medicine, Sendai, Japan)
3) A nationwide survey of pediatric anti-MOG antibody-associated diseases in Japan
   Kohji Azumagawa (The Department of Pediatrics, Seikeikai Hospital, Osaka, Japan)
4) Efficacy of tocilizumab in neuromyelitis optica is associated with alterations of regulatory cells and innate lymphocytes
   Takako Matsuoka (Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)
5) Non-herpetic acute limbic encephalitis & antibodies to NMDA-type glutamate receptors
   Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and neurological disorders, NHO, Japan)

The 11th meeting of Japanese Child Sleep Association
Chair: Michio Fukumizu (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled), Hidenobu Ohta (Department of Psychiatry, Asai hospital, Togane, Chiba, Japan)

1) Excessive daytime sleepiness
   Yuri Nagao (Neurological Clinic for Children)
2) Importance of development of a sleep-wake cycle in infancy and early childhood
   Kyoko Hoshino (Neurological Clinic for Children)
3) 14-year-old boy with autism who was diagnosed as narcolepsy type 1.
   Kumi Kato-Nishimura (OTA Memorial Sleep Center, Kanagawa, Japan)
4) EEG abnormality and pharmaceutical treatment for sleep disorder in developmental disorders
   Eiji Nakagawa (Department of Child Neurology, National Center Hospital, NCPN, Tokyo, Japan)
5) Assessment of sleep quality using electrocardiograph and metabolism of melatonin in patients with severe motor and intellectual disabilities
   Michio Fukumizu (Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan)
6) Analysis of the background factor including autonomic nerve function in wake-up difficulty children with postural tachycardia syndrome
   Soken Go (The Department of Pediatrics, Tokyo Medical University, Tokyo, Japan)
7) Daytime nap controls toddlers' nighttime sleep
   Machiko Nakagawa (St Luke's International Hospital Pediatrics, Tokyo, Japan)
8) Development of a new intervention method for sleep problems in early childhood—using an interactive smartphone application—
   Arika Yoshizaki (Molecular research center for children's mental development, United graduate school of child development, Osaka University, Osaka, Japan)

The 12th Childhood Myasthenia Gravis Conference

Morning English Seminar
Chair: Tohru Ogihara (Department of Pediatrics, Division of Neonatology, Osaka Medical College, Osaka, Japan)

Systemic inflammation and white matter injury in premature brain
   Kim Han-Suk (Department of Pediatrics, Seoul National University College of Medicine, Seoul, Republic of Korea)

The Japanese Society of Child Neurology Award Ceremony and Mini-lecture
Chair: Masaharu Hayashi (The School of Nursing, College of Nursing and Nutrition, Shukuroku University, Chiba, Japan)

The Japanese Society of Child Neurology Award Ceremony and Mini-lecture
English Session

E-001 Intracerebroventricular cerliponase alfa in children with CLN2 disease: a Phase 1/2 study
Specchio Nicola1, Schulz Angela2, Gissen Paul3, Reyes De Los Emily4, Williams Ruth5, Cahan Heather6, Slasor Peter7, Jacoby David8

E-002 Lysosomal storage diseases (LSD): Determination in Plasma and Dry Blood Spots (DBS) for NPC by Tandem MS
Eto Yoshikatsu1, Miyajima Takashi2, Igarashi Junko2, Akiyama Keiko1, Yanagisawa Hiroki3, Arif Hossain1, Eto Kaoru4, Iwamoto Takeo4
1.Advanced Clinical Research Center, Institute of Neurological Disorders, Kanagawa, Japan, 2.AngesMG Institute for Rare Diseases, 3.Tokyo Women’s Medical University, Department of Pediatrics, Tokyo, Japan, 4.Tokyo Jikei University School of Medicine, Core Central Laboratory, Tokyo, Japan

E-003 Treatment of pain in Fabry disease, including an old but new medicine
Hirano Makitu1, Saigo Kazumasa2, Nakamura Yusaku3, Kusunoki Susumu4
1.Dept of Neurology, Sakai Hospital Kindai University Faculty of Medicine, Osaka, Japan, 2.Dept of Neurology, Kindai University Faculty of Medicine, Osaka, Japan.

E-004 Continuous improvement of motor and cognitive functions after gene therapy for AADC deficiency
Kojima Karin1, Miyauchi Akiko1, Nakajima Takeshi2, Asari Sayaka2, Mizukami Hiroaki4, Osaka Hiroshi1, Muramatsu Shin-ichi2, Yamagata Takanori1
1.The Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.Department of Neurosurgery, Jichi Medical University, Shimotsuke-shi, Tochigi, Japan, 3.Department of Neurology, Saitama Medical Center, Jichi Medical University, Saitama, Japan, 4.Division of Genetic Therapeutics, Jichi Medical University, Shimotsuke, Tochigi, Japan

E-005 Nusinersen in infants with spinal muscular atrophy (SMA): design/interim results of the ENDEAR study
Saito Kayoko1, Nancy Kunz2, Wildon Farwell3, Zhenghao John Zhong3, Peng Sun3, Sarah Gheuens2, Eugene Schneider2, Richard Finkel3 (endeavor Study Group)5
1.Tokyo Women’s Medical University, Institute of Medical Genetics, Tokyo, Japan, 2.Division of Neurology, Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL, USA, 3.Biogen, Cambridge, MA, USA, 4.Ionis Pharmaceuticals Inc., Carlsbad, CA, USA, 5.Division of Neurology, Department of Pediatrics, Nemours Children’s Hospital, Orlando, FL, USA.

E-006 Ultrasonographic confirmation of axonal swelling in Japanese children with Dejerine-Sottas disease
Kusabiraki Shohei1, Ishiyama Akihiko1, Takeshita Eri1, Shimizu-motohashi Yuko1, Saito Takashi1, Komaki Hirofumi1, Nakagawa Eiji2, Sugai Kenji2, Sasaki Masayuki1
1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan.

E-007 Fast (40-150 Hz) oscillations associated with ictal positive EEG slow waves in West syndrome
Kobayashi Katsushiro1, Akiyama Tomoyuki1, Oka Makio1, Endoh Fumika1, Yoshinaga Harumi1
1.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences and Okayama University Hospital, Okayama, Japan.

E-008 Longitudinal ictal EEG changes in spasms in intractable West syndrome: A video-EEG study
Oitani Yoshiki1, Sugai Kenji2, Takeshita Eri1, Motohashi Yuuko1, Ishiyama Akihiko1, Saito Takashi1, Komaki Hirofumi1, Nakagawa Eiji1, Sasaki Masayuki1
1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan.

E-009 Risk assessment for liver dysfunction with vitamin B6 treatment in patients with West syndrome
Akiho Takahiro1, Nakamura Kazuyuki1, Yokoyama Jun-ichi2, Abe Akiko3, Shirahata Emi3, Shihiara Takashi1, Honma Tomomi2, Ito Aiko3, Kato Mitsuhiro4, Mitsui Tetsuo1
1.Department of Pediatrics, Faculty of Medicine, Yamagata University, Yamagata, Japan, 2.Department of Pediatrics, Yamagata City Hospital Saiseikai, Yamagata, Japan, 3.Department of Pediatrics, Yamagata Prefectural Rehabilitation Center for Children with Disabilities, Yamagata, Japan, 4.Department of Neurology, Gunma Children’s Medical Center, Gunma, Japan

E-010 Febrile Seizure Treatment Assessment by Diazepam Therapy (Fstadt) study: A case-controlled study
Yoshida Noboru1, Harada Kozue2, Matsushima Naoh2, Shima Taiki2, Nakazawa Mika2, Igashiri Ayuko2, Nakahara Eri3, Kitamura Yuri3, Abe Shinpei2, Arii Naoto1, Nakazawa Tomoyuki3, Niijima Shinichi1
1.Pediatrics Division, Juntendo University Nerima Hospital, Tokyo, Japan, 2.Pediatrics Division, Juntendo University Faculty of Medicine, Tokyo, Japan, 3.Pediatrics Division, Juntendo University Shizuoka Hospital, Shizuoka, Japan.
E-011 Age-related change in the efficacy of Intravenous benzodiazepines for infantile epileptic seizures
Ishigaki Hidetoshi1, Sugai Kenji1, Takeshita Eri1, Motohashi Yuko1, Ishiyama Akihiko1, Saito Takashi1, Komaki Hirofumi1, Nakagawa Eiji1, Sasaki Masayuki1
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E-012 A case of neonatal hemifacial spasms accompanied by a tumor in the superior cerebellar peduncle
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E-013 Therapeutic outcome of 101 patients with Sturge-Weber syndrome and effective diagnostic modalities.
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E-014 Efficacy and safety of everolimus in Japanese patients with refractory seizures associated with TSC
Mizuguchi Masashi1, Ikeda Hiroko2, Kagitani-shimono Kuriko1, Yoshinaga Harumi1, Suzuki Yasuhiro2, Aoki Makoto2, Shindo Chikako2, Yonemura Masatake1, Kubota Masaya2
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E-015 Cortical tubers-induced epileptogenicity and its involvement in intravascular coagulation
Izumi Tatsuro1,2,3, Miyahara Hiroaki4, Ono Miki1,2, Matsuzaka Atsuko1, Uchiyama Shin-ichi1, Okanari Kazuo3, Sekiguchi Kazuto4, Takeguchi Masahiro5, Yamada Hiroi6
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E-016 Long-term Developmental Outcome in Surgical Cases of Infantile Epileptic Encephalopathies
Sugai Kenji1, Otsuki Taisuke1, Takahashi Akio2, Saito Takashi1, Nakagawa Eiji1, Motohashi Yuko1, Ishiyama Akihiko1, Takeshita Eri1, Komaki Hirofumi1, Sasaki Masayuki1, Igeka Naoki2, Kaneko Yuu2, Iwasaki Masaki1
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E-017 Surgery outcome in patients with drug-resistant epilepsy and tuberous sclerosis complex
Masashi Ogawara1, Saito Takashi1, Takeshita Eri1, Yuku Motohashi1, Ishiyama Akihiko1, Komaki Hirofumi1, Nakagawa Eiji1, Sugai Kenji1, Sasaki Masayuki1, Igeka Naoki2, Iwasaki Masaki1
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E-018 Successful resection for an epilepsy child with focal cortical dysplasia and autoimmune encephalitis
Okanari Kazuo1, Honda Ryoko2, Miyahara Hiroaki1, Matsuzaka Atsuko1, Suenobu Soichi1, Maeda Tomoki1, Ono Tomonori1, Toda Keisuke1, Miyata Hajime1, Takahashi Yukitoshi1, Korematsu Seigo1
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E-019 Studies on the Pathophysiology and Genetic Basis of Febrile seizures
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E-020 A girl with uncommon symptoms over time after influenza viral infection
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E-021 Relationship between hippocampal volume and reactivation of HHV-6B after HSCT.
Miyake Misa1, Ishihara Naoko1, Natsume Jun2, Suzuki Shigetaka1, Miura Hiroki1, Hattori Fumihiro1, Takahashi Yoshiyuki2, Kojima Seiji2, Toyama Hiroshi3, Yoshikawa Tetsushi1
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E-022 NLRP3 polymorphism as a risk of acute encephalopathy with febrile status epilepticus
Saitoh Makiko1, Hoshino Atsushi2, Kikuchi Kenjiro1, Yamanaka Gaku1, Kubota Masaya1, Takanashi Jun-ichi1, Goto Tomohide1, Oka Akira2, Mizuguchi Masashi1
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E-023 Hemiplegia and asymmetrical lesions in acute encephalopathy (AESD)
Sanefuji Masafumi1, 2, Lee Sooyoung2, 3, Torio Michiko1, Ichimiyi Yuko2, Sakai Yasunari2, Ishizaki Yoshito2, Torisu Hiroyuki2, 3, Sasazuki Momoko2, Akamine Satoshi1, Ogha Shouichi1
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E-024 Nationwide survey on human parechovirus type 3-associated acute encephalitis/encephalopathy in Japan
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E-025 Post-mortem pancreatic pathology in a child with MELAS
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E-026 TNF-α antagonist attenuates lipopolysaccharide-induced cerebral white matter injury in neonatal rats
Han-Suk Kim1
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E-027 Congenital Zika virus infection affects cerebral cortical development in mice
Mochida Ganeshwaran Hitoshi1, 2, Nakayama Tojo1, Vaughan Dylan1, Kodani Andrew1, Gonzalez Dilenyo1, Durbin Ann1, Bosch Irene1, Teixeira Mauro1, Gehre Lee2
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E-028 Clinical Evaluation of a Holoprosencephaly Cohort from the Kyoto Collection of Human Embryos
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E-029 Analyses of human-derived neural stem cell-based organoids as an in vitro model of brain anomalies
Nardone Cristina1, Fujimoto Takahiro1, Miyagi Yoshifumi1, Kanemura Yonehiro1, Fushiki Shinji2, Itoh Kyoko1
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E-030 Saccadic eye movement compared to the scores of YGTSS-J, CY-BOCS, SCAS in Tourette Syndrome.
Hoshino Kyoko1, Fukuda Hideki1, Nagao Yuri1, Kimura Kazue1, Hayashi Masaharu1, Tokushige Shin-ichi1, 2, Terao Yasuo1, 3
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E-031 A boy with myoclonus dystonia syndrome diagnosed by whole exome sequencing
Miyauchi Akihiko1, Matsumoto Ayumi1, Nagashima Masako1, Monden Yukifumi1, Oguro Noriko2, Shintaku Haruo2, Uchiyama Yuri1, Nakashima Mitsuko1, Matsumoto Naomi1, Osaka Hitoshi1, Yamagata Takenori2
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E-032 Management of chorea in GNAO1 mutations: topiramate as a first-line treatment
Sakamoto Saori1, Monden Yukifumi1-2, Fukui Ryoko1-3, Miyake Noriko1, Saito Hiroshi1, Nagashima Masako1, Osaka Hitoshi1, Matsumoto Naomichi1, Yamagata Takanori1
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E-033 <Insert>/mutations cause a discernible disorder with developmental delay and dysmorphic corpus callosum
Nakamura Yuji, Togawa Yasuko2, Okuno Yuusuke, Muramatsu Hideki3, Ieda Daisuke1, Hori Ikumi1, Negishi Yutaka1, Hattori Ayako1, Saitoh Shinji1
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E-034 MicroRNA analysis in dermal fibroblasts derived from Gorlin syndrome patients
Shiohama Tadashi1, Fujii Katsunori1, Takatani Tomozumi1, Miyashita Toshiyuki1, Ikehara Hajime1, Fujita Mayuko1, Fukuhara Tomoyuki1, Shimjo Naoki1
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E-035 Germline MTOR mutation in a boy with Smith-Kingsmore syndrome showing hepatomegaly and hypoglycemia
Hojo Akira1, Abe Yoshihisa1, Tatsuno Masaru1, Kugai Tamae2, Mizuguchi Koichi2, Kubota Masaya3, Nakashima Mitsuko3, Matsumoto Naomichi1, Kato Mitsuhiro1
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E-036 Correlation of intellectual and motor development in Fukuyama congenital muscular dystrophy
Motohashi Yuko1, Takeshita Eri1, Ishiyama Akihiko1, Mori Madoka1, Oya Yasushi2, Komaki Hirofumi1, Sasaki Masayuki1
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E-037 A novel mutation in acid alpha-glucosidase gene in a pediatric case with late-onset Pompe disease
Ozasa Shiro1, Kasahki Tomoko1, Tachibana Hidekazu1, Monosaki Ken1, Nomura Keiko1, Indo Yasuhiro1, Kosuga Motomichi1, Okuyama Torayuki1, Komaki Hirofumi2, Ogata Katsuhisa2, Nakamura Kimitosh11
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E-038 The next generation sequencing analysis of COX deficiency in our cohort.
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E-039 Clinical characteristics of necrotizing myopathy associated with anti-HMGCR antibodies
Hirasawa Ayaka1, Ishiyama Akihiko1-2, Komaki Hirofumi1, Takeshita Eri1, Motohashi Yuko1, Saito Takashi1, Nakagawa Eiji1, Sugai Kenji1, Sasaki Masayuki1, Nishino Ichizou1
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E-040 Duchenne muscular dystrophy is short with high incidence of short stature in Dp71 deficiency group.
Matsumoto Masaki1, Awano Hiroyuki1, Nagai Masashi1, Lee Tomoko2, Shimomura Hideki2, Takeshima Yasuhiro3, Matsuo Masafumi1, Iijima Kazumoto1
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E-041 Contributions of cognitive function and psychological variables to QoL in myotonic dystrophy type 1
Fujino Haruo1-2, Shingaki Honoka1, Suwazono Shugo1, Ueda Yukihiko1, Wada Chizuru1, Nakayama Takahiro6, Takahashi Masanori2, Imura Osamu3, Matsumura Tsuyoshi8
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E-042 A fetal case of dystroglycanopathy with compound heterozygosity in ISPD gene
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E-043 A shift of neural activation with development in children, using fNIRS study
Ikeda Takahiro1, Monden Yukifumi2, Nagashima Masakazu2, Shimoizumi Hideo3, Osako Hitoshi4, Dan Ippetita5, Yamagata Takanori5
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E-044 A Comparison of clinical features among male siblings with neurodevelopmental disorders
Suzuki Shuhei1, Kondo Tomika1, Oka Yasunori1,2
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2. Center for Sleep Medicine, Ehime University Hospital, Toon-shi, Japan

E-045 The project of medical coordination for the patients with SMID in Osaka
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E-046 Circadian rhythms of urinary oxidative stress markers and melatonin metabolite in patients with SMID
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E-047 The altered cortico-cerebellar network involved with COMT polymorphism in children with ADHD
Mizuno Yoshifumi1,2, Jung Mingyoung2, Fujisawa Takahisa3,4, Takiguchi Shinichiro1, Shimada Koji1,2, Saito Daisuke1, Kosaka Hirokazu1,2,4, Tomoda Akemi1,2,3
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E-048 Mechanisms underlying the cognitive impairment in extremely preterm infants
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E-049 A scheme offering assistance to women with profound and multiple disabilities to receive mammography
Honjo Satoshi1, Ohno Shouichi2,3
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E-050 Correlation between neurological deficits and genotype in patients with tuberous sclerosis complex.
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E-051 Clinical features of 7 patients with tuberous sclerosis complex with mutations in TSC2
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E-052 EOEE and severe developmental delay with de novo double mutations in NF1 and MAGEL2
Akamine Satoshi1, Sagata Noriaki2, Sakai Yasunari3, Kato Takahiro4, Matsushita Yuk1, Sanefuji Masafumi1, Ishizaki Yoshito, Torisu Hiroyuki2,3, Saito Hiroto1, Matsumoto Naomichi1, Ohga Shoichi1
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E-053  First case report on West syndrome with a de novo <I>KCNQ3</I> mutation
Nakamura Kazuyuki1, Yokoyama Junichi1, Abe Akiko1, Saito Hirotomo2, Nakashima Mitsuko2, Matsumoto Naomichi2, Kato Mitsuhiro1,3
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E-054  A practical proposal for the diagnosis and treatment of childhood migraine
Saito Yoshiaki1,2,3,4,5,6,7, Yamanaka Gaku2, Shimomura Hideki3, Shiraishi Kazuhiro4, Nakazawa Tomoyuki5, Kato Fumihide6, Shimizu-motohashi Yuko7, Sasaki Masayuki7, Maegaki Yoshihiro1
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Oral Presentation

O-001  Coherence analysis of electroencephalography during the acute phase in AESD
Oguri Masayoshi1, Saito Yoshiaki2, Toyoshima Mitsuo3, Torisu Hiyohoku4, Lee Soo-young2, Okanishi Tohru5, Maegaki Yoshihiro7
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O-002  Validation of AESD prediction score in children with febrile status epilepticus
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O-003  Classification and prognosis of 57 cases of acute encephalopathy in SCMC
Nakamura Yuko1, Matsuura Ryuki2, Hiwatari Erika2, Ikemoto Satoru2, Koichihihara Reiko2, Kikuchi Kenjiro2, Tanaka Manabu1, Minamitani Motoyuki2, Hamano Shinichiro2
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O-004  Early prognostic factors in acute encephalopathy treated with targeted temperature management.
Tanaka Tsukasa1,2, Ishida Yusuke1,2, Tomioka Kazumi2, Nishiyama Masahiro2, Fujita Kyoko2, Toyoshima Daisaku1, Maruyama Azusa1, Nagase Hiroaki2, Kurosawa Hiroshi1, Takeda Hiroki2, Uetani Yoshitomo2, Iijima Kazumoto2
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O-005  Prognostic factors during early phase in acute encephalopathy with reduced subcortical diffusion
Fukuyama Tetsuhiko1, Yamauchi Shouko1, Hattori Yuka1, Nakajima Hideko1, Hirabayashi Shinichi1
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O-006  Early predictive factors of developing AESD
Fukuda Masataka1, Kawakami Hisashi1, Kuki Ichiro1, Kim Kiyohiro1, Inoue Takeshi1, Nukui Megumi1, Okazaki Shin1, Ishikawa Junichir2, Amou Kiyoko1, Togawa Masaon1, Rinka Hiroshi1, Tomiwa Kiyotaka1, Shiomi Masashi1
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O-007  Risk factors of fatal acute encephalopathy
Tomioka Kazumi1, Nagase Hiroaki1,2, Ishida Yusuke2, Tanaka Tsukasa2, Nishiyama Masahiro1, Fujita Kyoko2, Toyoshima Daisaku1, Maruyama Azusa2, Kurosawa Hiroshi1, Takeda Hiroki2, Uetani Yoshitomo2, Takada Satoshi3, Iijima Kazumoto1
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O-008  Evaluation of post hemispherotomy neurological function
Fujimoto Ayatake1, Okanishi Toru2, Kanai Sotaro2, Enoki Hideo2
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O-009  A case with epileptic encephalopathy and COL4A1 mutation, medicated by functional hemispherectomy
Hino-fukuyo Naomi1,2, Kikuchi Atsuo1, Waisaki Masaki2, Sato Yuko1, Kubota Yuki2, Kobayashi Tomoko2, Nakayama Tojo2, Haginoya Kazuhiro2,4, Niibori Tetsuya1,4, Aoki Yuuko2, Kure Shigeo2
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O-010  A case of hemifacial spasm treated with surgical treatment.  
Nakazawa Mika1,2, Ikeno Mitsuru1, Abe Shipei1, Igarashi Ayuko1, Nakazawa Tomoyuki1, Niijima Shinichi1, Shimizu Toshiaki2  
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O-011  Investigation of long-term result after VP shunt operation in childhood  
Matsusaka Yasuhiro1, Kunihiro Noritsugu1, Sakamoto Hiroaki1  
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O-012  A case of spinal arteriovenous malformation with spontaneous occlusion after hemorrhage  
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O-013  Results of stereotactic radiofrequency thermocoagulation (SRT) for hypothalamic hamartomas  
Shirozu Hiroshi1, Masuda Hiroshi1,2, Ito Yusuke1,2, Nakayama Yoko1,2, Higashijima Takefumi1,2, Fukuda Masafumi1,2, Kameyama Shigeki1,2  
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O-014  Effects of reading nonword and reversed order word repetition on cerebral activity : a NIRS study  
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O-015  Reading difficulty in middle and high school students: Developing a new assessment questionnaire  
Yagyu Kuzuyori1, Shimojo Atsushi1, Hashimoto Ryusaku1, Iwata Michiru1, Suyama Satoshi1, Maeda Tamaki1, Shiraishi Hideaki1, Saitoh Takuya1  
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O-016  The relationship of Ray-Osterrith Complex Figure Test and writing accuracy  
Ogino Yuko1, Kawasaki Akhiro1, Nakanishi Makoto1, Okumura Tomohito1, Matsuzaki Yutaka1  
1.Yokohama Western Area Habilitation Center for Children, Yokohama, Japan, 2.Tohoku University Graduate School of Education, Sendai, Japan, 3.Osaka Medical College, LD Center, Takatsuki, Japan.

O-017  Toddler neurodevelopment predict IQ at school age children with congenital heart disease  
Hiraiwa Akiko1, Tanaka Tomomi1, Miyazaki Kazumi1, Matsuie Mie1, Ishida Fujiko1, Adachi Yuichir1  
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O-018  The analysis of cases with right hemispatial neglect evaluating for WISC4, "Cancellation of figures"  
Okada Masako1, Kuki Ichiro1, Nukui Megumi1, Fukuoka Masakazu1, Kim Kyohiro1, Inoue Takeshi1, Okazaki Shin1, Kawasumi Hisashi1, Konishi Kazuo3  
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O-019  Suitability of cognitive scales for DS Japanese and their cognitive profile from observational study  
Okamoto Nobuhiko1, Ohashi Hirofumi1, Tanoki Hidefumi1, Kosaki Rika1, Kurosawsawa Kenji1, Ono Masa1, Okada Norihiro1, Kobayashi Yumi1, Tamai Hiroshi1  
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O-020  Autism spectrum with Down syndrome  
Matsubara Yuri1, Shimizu Jyun1, Oguro Noriko1, Osaka Hitoshi1, Yamagata Takanori1  
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O-021  Effects of phosphodiesterase 3 inhibitor on Down syndrome: behavioral evaluations in the mouse model  
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O-022 Subclinical Hypothyroidism in infants with Down syndrome
Sasaki Saeko1, Nozaki Fumihito1, Kumada Tomohiro1, Shibata Minoru1, Hiejima Ikuko1, Hayashi Anri1, Mori Mioko1, Inoue Kenji1, Fujii Tatsuya1
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O-023 Efficacy of interferon-β&-γ for myelin oligodendrocyte glycoprotein antibody-positive disorder.
Kaneko Kimihiko1, Sato Douglas1,2, Ogawa Ryo1, Akaishi Tetsuya1, Takai Yoshiki1, Nishiyama Syuhei1, Takahashi Toshiyuki1,3, Misu Tatsuro1, Kuroda Hiroshi1, Nakashima Ichiro1,4,5, Fujihara Kazuo1,4,5, Aoki Masashi1
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O-024 Prophylactic corticosteroid treatment and changes in titer of optic neuritis with anti-MOG antibody
Hashimoto Yui1, Takahashi Toshiyuki1, Tanabe Yuri1, Kaneko Kimihiko1, Asumi Aki1, Sasaki Hiroko1, Wakayama Miki2, Hoshino Akiko2, Jibiki Toshiaki1, Kanazawa Masaki2, Terai Masaru2
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O-025 A Case of anti-MOG antibody positive ADEM clearly improved without high-dose steroid therapy
Takahashi Koji1, Shirai Kentaro2, Haibara Akiko1, Watanabe Akimitsu1, Takahashi Toshiyuki1,2, Kaneko Kimihiko1
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O-026 Cognitive function of pediatric multiple sclerosis with anti MOG antibody
Nukui Megumi1, Kawasaki Hisashi2, Okada Masako1, Hukuoka Masataka1, Kim Kiyohiro1, Inoue Takeshi1, Kuki Ichiro1, Okazaki Shin1, Amo Kyoko2, Kaneko Kimihiko1, Takahashi Toshiyuki1
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O-027 Analysis of cerebrospinal cytokine profiles in pediatric inflammatory neurological diseases
Tada Hiroko1, Sakuma Hiroshi1, Suzuki Tomomori1, Hayashi Masaharu1, 1.Tokyo Metropolitan Institute of Medical Science, Development of Neuroimmunology Project, Tokyo, Japan, 2.Chibaken Saiseikai Hospital, Devison of Pediatrics, Narashino, Japan

O-028 Our experience of ten children suspected of having acute visual disturbance
Nakai Rie1, Nakajima Takeru1, Hirano Aiko1, Hayasi Ryouko1, Ikeda Tae1, Kimura Sadami1, Mogami Yukiko1, Yanagihara Keiko1, Suzuki Yasuhiro1, Hatukawa Yositi2, Kaneko Hitohiko2, 1.Osaka Medical Center And Research Institute For Maternal And Child Health, Osaka, Japan, 2.Osaka, Japan, 3.Sendai, Japan

O-029 The level of urinary titin of DMD patients is >100-times higher than that of healthy control
Awano Hiroyuki1, Matsumoto Masaki1, Nagai Masashi1, Shirakawa Taku1, Takasaki Teruaki1, Maruyama Nobuhiro4, Nabeshima Yoichi1, Matsuo Masafumi1, Iijima Kazumoto4, 1.Kobe Graduate School of Medicine, Kobe Japan, 2.Department of Physical Therapy, Faculty of Rehabilitation, Kobe Gakuin University, Kobe, Japan, 3.Diagnostic & Research Reagents Division, Immuno-Biological Laboratories Co., Ltd. Fujioka, Japan, 4.Laboratory of Molecular Life Science, Foundation for Biomedical Research and Innovation, Kobe, Japan

O-030 The effectiveness of long-term administration of RNA/ENA chimera antisense oligonucleotides for DMD
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O-031 2-minute walk test may be a replacement for 6-minute walk test in muscular dystrophy clinical trials
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O-032  Factors for survival of Duchenne muscular dystrophy patients
Saito Toshio1, Ogata Katsushika2, Kuru Satoshi1, Matsumura Tsuyoshi1, Takahashi Toshiaki1, Kobayashi Michio3, Takada Hiroto5, Mikata Takashi6, Arahata Hajime7, Funato Michinori8, Fukudome Takayasu9
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O-033  Characteristic of heart rate variability in Duchenne muscular dystrophy
Hattori Ayako1, Hattori Ayako1, Nakamura Yuji1, Ieda Daisuke1, Hori Ikumi1, Negishi Yukata1, Motohashi Yuko2, Komaki Hirofumi2, Kuru Satoshi2, Saitho Shinji3
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O-034  Arm activity assessed by measuring accumulated "accelo-acceleration" in non-ambulatory DMD patients
Fujii Tatsuya1, Kumada Tomohiro1, Mori Mioko1, Nozaki Akihito1, Hiejima Ikuko1, Shibata Minoru1, Hayashi Anri1, Inoue Kenji1, Sasaki Saeko1
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O-035  De novo mutation in patients with developmental disorders identified through exome sequencing
Yamamoto Toshiyuki1, Shimojima Keiko1, Okamoto Nobuhiko2
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O-036  Questionnaire survey regarding genetic predisposition with siblings of handicapped person
Irahara Kaori1, Sakai Nori2
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O-037  Pitfall of chromosomal microarray test
Kobayashi Tomoko1,2, Kawame Hiroshi1,2
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O-038  Genetic testing system of fragile x syndrome and related disorders will be widely available in Japan
Nanba Eiji1,2, Adachi Kaori1, Nakayama Yuji1, Matuura Tohru1, Ishii Kazuhiro1, Goto Yu-ichi3
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O-039  Gross motor function in Rett syndrome: analysis from the Japanese database
Saikusa Tomoko1, Yuge Koutaro1, Kawaguchi Machiko2, Tanioka Tetsujii3, Ikenaga Toshiharu1, Hirayama Chisato1, Kakuma Tatsuyuki2, Iwama Kazuhiro3, Matsumoto Naomichi1, Nagamitsu Shinichiro1, Yamashita Yushiro4, Matsushii Toyojiro1, Ito Masayuki1
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O-040  Analysis of the FCMD data from the database of Childhood Specific Chronic Diseases founded by MHLW
Awaysa Tomonari1, Okazaki Tetsuya1, Hayashi Masaharu1, Komaki Hirofumi1, Moriiichi Akinori2, Kakee Naoko1
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O-041  Copy-number variation in Japanese autism spectrum disorder patients
Goto Masahide1, Matsumoto Ayumi1, Jimbo Eriko1, Osaka Hitoshi1, Oohashi Kei2, Saito Shinji2, Yamagata Takanori1
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O-042  Nobel <I>FKRP</I> mutations in a Japanese sibship clinically diagnosed as Fukuyama CMD
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O-043  The newly identified inherited GPI deficiency, PIGB deficiency
Murakami Yoshiko1, Kamei Jun2, Miyatake Satoko1, Akasaka Manami2, Koshimizu Eriko1, Araya Nami2, Minase Gaku1, Matsumoto Naomichi2, Kinoshita Taro1
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O-044  A New Syndromic Form of Intellectual Disability Accompanied with Macrothrombocytopenia
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O-045  Clinical heterogeneity of genetically confirmed nine patients with Vici syndrome
Hori Ikumi1, Otomo Takeo1, Nakashima Mitsuiko1, Miya Fuyuki2, Negishi Yutaka1, Hattori Akiko1, Ando Naoki1, Nishino Ichiro1, Tsunoda Tatsuko1, Saito Hiroto1, Kosaki Kenjiro3, Matsumoto Naomichi1, Yoshimori Tamotsu3, Saitoh Shinji1, 2
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O-046  Mutations in MAGEL2 cause a novel imprinting disorder distinct from Prader–Willi syndrome
Negishi Yutaka1, Ieda Daisuke1, Hori Ikumi1, Hattori Akiko1, Nozaki Yasuyuki2, Komaki Hirofumi1, Tohyama Jun1, Nagasaki Keisuke1, Tada Hiroko1, Masaki Hiroshi1, Saitoh Shinji1
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O-047  Classification of uniparental iso-disomy to cause autosomal recessive disorders
Niida Yo1, 2
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O-048  Neuroradiological assessment based on body composition analysis in Duchenne muscular dystrophy
Suzuki Rie1, Itomi Seiko1, Mukaida Souichir1, Shiraishi Kazuhiro1
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O-049  Discussion of developmental disorders in children with DMD and BMD
Morioka Keiko1, Maeda Keiko1
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O-050  Complications of advanced Fukuyama congenital muscular dystrophy from a nationwide registry
Ishigaki Keiko1, Ihara Chikako2, Sato Takatoshi3, Shichijii Minobu1, Osawa Makiko1, Kaiya Hisanobu1, Nagata Satoru1
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O-051  Modified Gross motor function measure for Fukuyama congenital muscular dystrophy
Sato Takatoshi1, Adachi Michihi2, Nakamura Kabo2, Zushi Masaya2, Goto Keisuke2, Murakami Terumi1, Ishiguro Kuniko1, Shichijii Minobu1, Ikai Tetsuo1, Osawa Makiko1, Kondo Izumi2, Nagata Satoru1, Ishigaki Keiko1
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O-052  Introduction of powered wheelchair to school life of Fukuyama congenital muscular dystrophy patients
Morita Takashi1, Nojima Masamitsu1, Shikata Akane1
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O-053  A Japanese nationwide survey on congenital myotonic dystrophy
Shichipi Minobu1, Ishigaki Keiko1, Ishiguro Kumiko1, Sato Takatoshi1, Matsumura Tsuyoshi2, Osawa Makiko1, Nagata Satoru1
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O-054  Long-term prognosis of children who are victims of child abuse
Kurihara Mana1, Ariga Masamiti1, Yoshishashi Manabu1, Awashima Takeya1, Iino Chieko1, Kohagizawa Toshitaka1
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O-055  Parent training technique by supporters improved abnormal behavior caused by maltreatment
Yokoyama Hiroyuki2,3, Iwaki Toshimitsu4, Tomizawa Yayo1,2, Sato Yoshinori5,6.
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O-056  Relative life style factors for developmental disorder like characteristics in 5-aged children
Mizorogi Sonoko1,2,3, Sato Miro1, Yokomichi Hiroshi1, Yamagata Zentarou1,2,3, Kanemura Hideaki1, Sugita Kanji1, Aihara Masao1
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O-057  Two cases of weak eyesight boys with Developmental Coordination Disorder
Kato Shizue1, Sasaki Kimio1
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O-058  Evaluation of epilepsy and brain EEG findings in AD/HD.
Ito Hiromichi1,4, Morii Kenji1, Toda Yoshihiro1, Mori Tatsu1, Goji Aya1, Abe Yoko1, Miyazaki Masahito1, Kagami Shoji1
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O-059  Evaluation of brain MRI findings in AD/HD.
Ito Hiromichi1, Morii Kenji1, Toda Yoshihiro1, Mori Tatsu1, Goji Aya1, Abe Yoko1, Harada Masafumi2, Hisaoka Sonoka3, Miyazaki Masahito1, Kagami Shoji1
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O-060  Combination therapy of methylphenidate and atomoxetine for AD / HD
Matsumi Mitsuhiro1, Fji Akiko1, Motoyama Kazunori1, Nagaoka Tamao2, Miyazaki Mutsuo1, Matsuzaka Tetsuo2
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O-061  Clinical features of patients with traumatic head injury showing bright tree appearance
Takase Nanako1, Igasho Noboru1, Taneichi Hiromichi1, Ootuka Naoya1, Yasukawa Kumi1, Honda Takaumi1, Hayashi Kitami1, Hamada HIromichi1, Takanashi Jun-ichi1
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O-062  A case of HUS encephalopathy that responded well to Plasma exchange and Steroid pulse therapy
Morii Masayoshi1,2, Okuzuka You1,2, Kitahara Hikaru1, Nakata Ayumi2, Matsuda Takuya1, Onishi Satoshi1, Hashimura Yuuya1, Hayashi Shinsaku1, Uchiyama Takamichi1, Utsumomiya Hidetugu1, Minami Hirota1
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O-063  Prolonged febrile encephalitis with urinary retention and reversible splenial lesion
Sakaguchi Yuri1,2, Takenouchi Toshiaki1, Takayangi Masaru1, Takahashi Yuuki1, Hasegawa Toshifumi1, Kamimaki Isamu2, Takahashi Takao1
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O-064  A case of acute encephalopathy with acute leukemia.
Morishita Mutsumi¹, Hamano Shinichiro², Kubota Jun³, Hiwataki Erika¹, Ikemoto Satoru², Matsuura Ryuki¹, Koichihara Reiko², Minamitani Motoyuki², Itabashi Toshikazu², Kou Katsuyoshi³
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O-065  AESD that cerebral edema progressed rapidly and prognosis was worse.
Moriyama Yoko¹, Takanashi Jun-ichi¹, Hayashi Kitami¹, Shirato Yuri¹, Yasukawa Kumi⁴, Honda Takahumi³, Watanabe Seiji³, Kubota Masaya³, Terashima Sora³, Kitamura Taro³, Fujita Yuji³, Yamanaka Gaku³
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O-066  Genetic analysis of a family with recurrent encephalopathy triggered by head banging
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O-067  HNRNPU gene mutation identified in a case with symptomatic infection-associated acute encephalopathy
Shimada Shino¹,², Oguni Hirokazu¹, Otsani Yui¹, Nishikawa Ai², Ito Susumu³, Eto Kooru³, Nakazawa Tomoyuki³, Nagata Satoru³, Yamamoto Toshiyuki³
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O-068  Adaptation of the Japan Obstetric Compensation System for Cerebral Palsy was wider than expected
Tomita Sunao¹,  1. The Department of Neurology, Tokyo Metropolitan Children’s Medical Center, Tokyo, Japan,  2. The Department of Child and family support, Tokyo Metropolitan Children’s Medical Center, Tokyo, Japan.

O-069  Development of tools for sharing information to support home-care SMID and their families
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O-070  Role of a recovery center for medically-dependent children in Osaka
Funato Masahisa¹, Wada Hiroshi¹, Iijima Yoshitaka¹
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O-071  Role of a multidisciplinary respiratory rehabilitation clinic: A review of fatal cases
Murayama Keiko¹,², Kaneko Tatsuuyuki³,⁴, Naoi Fumiko³, Takahashi Nagahisa³, Yamaguchi Naoto⁴, Yui Takako⁴, Kodama Mariko⁴, Miyata Rei⁴, Nakatani Katsutoshi³, Nagase Mika³, Yoneyama Akira³, Kitazumi Eiji³

O-072  Sequential changes in serum KL-6 level following gastrostomy or tracheal separation procedure.
Wakamoto Hiroyuki¹, Kawabe Mika¹, Morimoto Takehiko¹
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O-073  Energy expenditure using improved dilution method in severe motor and intellectual disabilities
Iwasaki Nobuaki¹, Nakayama Juniko¹, Nakayama Tomohiro¹, Ooguro Haruka¹, Shin Kenji¹
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O-074  Three cases of Transverse Myelitis from different backgrounds.
Yamamoto Akiyo¹, Yoshikawa Yasushi¹, Kawamura Kentaro¹, Fukumura Shinobu¹
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O-075  Clinical parameters associated with multiple sclerosis in pediatric acquired demyelinating syndromes
Takada Yui¹,², Torisu Hiroyuki¹,², Sakai Yasunari¹, Akamine Satoshi¹, Torio Michiko¹, Ishizaki Yoshito¹, Sanejiku Masafumi¹, Sasatsuki Momo¹, Pediatric Immunoreactive Encephalitis Research Group, Japan,  4. Hara Toshiro¹, Takada Hidetoshi¹, Ogawa Shoichi¹
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O-076  A clinical study of childhood Guillain-Barre syndrome
Kim Kiyohiro 1, Kawakami Hisashi1, Fukuoaka Masataka2, Inoue Takeshi1, Nukui Megumi1, Kuki Ichiro1, Okazaki Shin1
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O-077  Three cases of juvenile-onset generalized myasthenia gravis treated with thymectomy.
Kubota Jun1,2, Hamano Shin-ichiro1, Ikemoto Satoru3, Matsuura Ryuji1, Hiwatsari Erika1, Oba Atsuko1, Kouchihara Reiko2, Minamitani Motoyuki1
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O-078  Epidemic viral myositis in 4 schoolchildren associated with Human Parechovirus Type3
Ishida Tomoya1, Shirai Horyuki1,2, Toki Taïra3, Nonoda Yutaka3, Iwasaki Toshiyuki2, Nonoyama Masato1, Ishii Masahiro2
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O-079  Investigation of inpatients with profound multiple disabilities having Helicobacter pylori infection
Ichiyama Takashi1, Okada Yusuke1, Ishikawa Naoko1, Matsufuji Hiroton1, Isumi Hiroshi1, Sugio Yoshitugu1
1.Division of Pediatrics, Tsudumigaura Medical Center for Children with Disabilities, Yamaguchi, Japan,

O-080  Developmental profile and outcome of low birth weight babies
Hirasawa Kyoko1, Takeshita Akiko2, Nagata Satoru1
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O-081  Attention direction at 18 months is relevant to developmental outcomes of late preterm infants
Sawai Chihiro1, Nishikura Norik01, Sakaue Yuko1, Koike Yukari1, Takeuchi Yoshihiro1, Takeuchi Yoshihiro1, Nakahara Sayuri2, Yanagi Takahide3, Koshida Shige1
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O-082  Longitudinal neurodevelopmental assessment at 18 and 36 months in very low birth weight infants
Inada Yuna1, Kawasaki Yukako2, Yoshida Taketoshi2, Matsui Mie1
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O-083  Cognitive function & social development of very low-birth-weight infants at 18 months adjusted age.
Tanaka Junko1, Kashiba Yuka1, Morita Kayo1, Sakurai Hayato1, Kakei Hiroko1, Honda Masakazu1, Kunikata Tetuya1, Yamanou Hideo1
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O-084  The characteristics of the development of preterm low birth weight infants at three-year-old
Yuki Kana1, Shirai Kentaro1, Akutu Yuko1, Miyahara Hiyori1,2, Sugie Manabu2, Haibara Akiko1, Tanaka Syoutaro1, Takada Yuika2, Yamamoto Yoko1, Kondo Tsutomu3, Imamura Masatoshi1, Watanabe Akim1
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O-085  Novelty Preference of Low Birth Weight Infant In Infancy
Koishii Yukihiko1, Koyano Kaori1, Nishida Tomoko2, Kusaka Takashi2
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O-086  The impact of periventricular leukomalacia on cognitive function using WISC-IV profiles
Oono Yumiko1, Matsui Shuji1, Wada Keiko1, Makino Michiko1, Matsuda Mitsuobu1, Akahoshi Keiko1, Funahashi Masuko1, Shiiki Yoshihide1
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O-087  Correlation between brain tissue volume and developmental prognosis in preterm infants
Tanaka Ryuta1, Arai Jun-ichi2, Kono Tatsu2, Iwasaaki Nobuaki2
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O-088  The relationship of development of ELBW infants at 12 months of corrected age and early school age
Kuroda Mai1, Hamano Shinichiro2, Narita Yuri1, Shimizu Masaki1
1.Center for Child Health and Human Development, Saitama Children’s Medical Center, Saitama, Japan, 2.Division of Neurology, Saitama Children’s Medical Center, Saitama, Japan, 3.Division of Neonatology, Saitama Children’s Medical Center, Saitama, Japan,
0-089 Relationships between the reading times of school aged VLBWI and their preschool intelligence.
Takeuchi Akihito1, Sugino Noriko2, Oka Makio3, Ogino Tatsuya4, Koeda Tatsuya5, Sato Kazuo6, Takayanagi Toshimitsu7
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0-090 A relationship between the reading difficulty in school-aged VLBWI and their preschool intelligence
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0-091 Visual perception of very-low-birth-weight children with learning difficulties
Fuku Miho1, Hatanaka Mari1, Mizuta Mekumi1, Kurimoto Naoko1, Takeshita Takashi1, Okumura Tomohito2, Shimakawa Shuichi3, Wakamiya Eiji4, Takagi Hiroshi1
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0-092 The cerebral bases of speech processing in preterm infants develop by their projected due dates
Shinohara Naomi1, Minagawa Yasuyo2, Arimitsu Takeshi1, Ikeda Kazushige1, Takahashi Takao1
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0-093 Study on the development of VLBW and ELBW infants with a behavior observation and a questionnaire
Yamaoka Noriko1, Takada Satoshi2
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0-094 Developmental sex differences of extremely low birth weight infants
Narita Yuri1, Hamano Shin-ichiro2, Kuroda Mai3, Shimizu Masaki4
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0-095 Epilepsy in Very Low Birth Weight Infants: Based on the Neonatal Research Network of Japan
Matsushita Yoshi1,2, Ochiai Masayuki1,2, Inoue Hirokichi1,2, Yonemoto Kousuke1, Akamine Satoshi1, Ishizaki Yoshito1, Sanefuji Masafumi3, Sakai Yasunari1, Takada Hitoshi1,2, Ohga Shouichi1
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0-096 Neurodevelopmental Outcome in Preterm Infants: An Observational Study in the Aichi Prefecture
Kidokoro Hirokiku1, Hayakawa Masahito2, Ohshiro Makoto2, Kato Yuichi2, Kohwaki Mansanori2, Sahashi Tyuoshi2, Kato Takenori1, Yamada Kyosei1, Miyata Masashi1, Imamine Hiroki1, Ieda Kuniko1, Yamamoto Hikaru1, Hayashi Seiji1, Muramatsu Kanji1, Tanaka Taker1
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0-097 Joubert syndrome and related disorders with congenital oculomotor apraxia and NPHP1 gene deletion
Katayama Nahoko1, Urabe Ryosuke1, Kamioka Tetsuharu1, Kakimoto Yuki1, Takei Go1, Terashima Hiroshi1, Kubota Masaya1, Kosaki Rika1, Oka Akira1
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0-098 A novel SLC1A3 gene mutation in a case of episodic ataxia type 6.
Iwata Aya1, Nigami Hiroyuuki1, Iwama Kazuhiro2, Mizuguchi Tsuyoshi2, Matsumoto Naomichi3
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0-099 A case of FOXG1 gene deletion with postnatal microcephaly, epilepsy and movement disorder
Endo Wakaba1, Takezawa Yusuke1, Okubo Yukimune1, Inui Takehiko1, Suzuki Sato1, Miyabayashi Takuya1, Togashi Noriko1, Hagiwara Kazuhiro1
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0-100 Two siblings case of paroxysmal kinesigenic dyskinesia with a novel truncation mutation of PRRT2
Kita Makoto1, Kwata Yasuhiro2, Murase Nagako2, Akiyama Yuchi2, Usui Takeshi2
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O-101 A case of siblings with early infantile epilepsy due to hemiplegic PRRT2 gene mutation.
Kaba Hikari1, Takeshita Saoko1, Watanabe Yoshiohi1, Motoi Hirotaka1, Fujiwara Yu1, Matsumoto Naomichi2, Nakashima Mitsuko2
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O-102 Progressive encephalocratic changes resembling hydrancephaly in COL4A1-related disorder
Tsunematsu Kenichiro1, Takenouchi Toshiki1,2, Ozawa Hiriochi1, Kosaki Kenjiro2, Takahashi Takao3
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O-103 TOE1 gene mutation cause pontocerebellar hypoplasia and disorders of sex development
Ogata Tomomi1, Muramatsu Kazuhiro1, Sawaura Noriko1, Suzuki Eriko1, Arakawa Hirokazu1, Saito Hiroto1,2, Matsumoto Naomichi3
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O-104 A patient with complex I deficiency who was responsive to coenzyme Q10
Nozaki Fumihiro1, Kumada Tomohiro1, Shibata Minoru1, Hayashi Anri1, Hiejima Ikuko1, Fujii Tatsuuya1, Mori Mioko1, Sasaki Saeko1, Inoue Kenji1, Murayama Kei1, Ohtake Akira1
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O-105 The clinical efficacy of chelators and zinc in the treatment of Wilson disease over the past decade.
Hoshino Hiroki1, Konishi Hioe1, Ogawa Ayako1, Shimizu Norikazu1, Aoki Tsugutoshi1
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O-106 The sisters of Glut1-DS who were difficult to continue modified Atkins diet therapy
Hoshina Megumi1, Mishima Hiroshi1, Nabatame Shin2,3, Kagitanishi-shimonoto Kuriko1,2,3,4
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O-107 Simultaneous measurement of monoamines and 5-methyltetrahydrofolate in the cerebrospinal fluid
Akiyama Tomoyuki1, Hayashi Yumiko1, Hanaoka Yoshiyuki1, Shibata Takashi1, Akiyama Mari1, Nakamura Kazuuki1, Tsuyusaki Yu1, Kubota Masaya1, Togaya Jun2, Yoshinaga Harumi1, Kobayashi Katsuyi1
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O-108 A case of dihydrolipoamide dehydrogenase deficiency with elevated citrulline on newborn screening
Ono Hiroki1, Kawakita Rie1, Nakamura Kimitoshi1, Ohara Osamu1, Fujiki Ryoji1, Sasaki Hideo1, Fukao Toshiyuki1, Yusa Miori1, Shigematsu Yosuke1
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O-109 Long term follow up of enzyme replacement therapy in a female case.
Honda Ryoko1, Yasho Tadateru1, Tanaka Shigeki1
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O-110 A case of Morquio A syndrome with severe tracheal deformation
Fuji Hiroshi1,2, Tani Hiroto1, Kobayashi Toshiyuki1, Ishikawa Nobutane1, Hyodo Sumio1, Kobayashi Masao2
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O-111 Novel therapy with HPGCD as a potential treatment for Niemann-Pick Disease Type C.
Matsumoto Shiro1, Soga Minami1, Irie Tetsumi1, Era Takumi2
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O-112 Characteristics of paroxysmal symptoms of 2 cases with type 2 Gaucher disease.
Tanaka Manabu1, Hiwatari Erika1
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O-113 First Japanese variant of late infantile neuronal ceroid lipofuscinosis caused by the <I>CLN6</I> mutations
Sato Ryo1,2, Inui Takehiko2, Endo Wakab1,2, Okubo Yukimune1,2, Takezawa Yusuke1,2, Anzai Mai1, Morita Hiroyuki1, Saitsu Hirotomo1, Matsumoto Naomichi1, Haginoza Kazuhiro2
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O-114 Cerebral lipofuscinosis TypeII: Clinical Features and High Risk Screening by Dry Blood Spots (DBS)
Eto Yoshihiko1, Itagaki Rina1, Yaginuma Keiko1, Endo Masahiro1, Takamura Ayumi1, Akiyama Keiko1, Yagaswara Hiroki1, Eto Kaoru2, Iwamoto Takeo1
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O-115 Siblings of peroxisomal biogenesis disorders with cerebellar ataxia caused by PEX10 gene mutation
Maruyama Shin'ichi1, Baba Yusei1, Shimoza Nobuyuki1, Kawano Yoshifumi1
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O-116 A neonate treated with everolimus for the massive rhabdomyoma in three days old
Ikeda Mitsuhiro1, Yoshida Akiko1, Nakazawa Tomoyuki1, Nakajima Madoka2, Sugano Hidenori2, Niiyama Shinichi1, Shimizu Toshiaki1
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O-117 Transition of adult patients with tuberous sclerosis in children's hospital
Yanagihara Keiko1, Hayashi Ryuko1, Nakai Rie1, Ikeda Tae1, Kimura Sadami1, Mogami Yukiko1, Suzuki Yasuhiro1
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O-118 Long-term outcome of epilepsy associated with tuberous sclerosis complex
Endoh Fumika1, Yoshinaga Harumi1, Tsutii Hiroki1, Nishimoto Shizuka1, Hyodo Yuki1, Kobayashi Katsuhiko1
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O-119 Clinical significance of sleep-related minor motor events in 3 patients with frontal lobe epilepsy
Higurashi Yuji1, Kikuchi Kenjiro1
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O-120 The cortical responsiveness for word-listening task in children with Rolandic epilepsy
Kagatani-shimono Kuriko1, Aoki Shyou1, Kato Youko1, Hanae Ryuzou1, Matsuzaki Jyunko1, Tanigawa Jyunpei1, Iwatani Yoshiko1, Azuma Yunji1, Tominaga Koji1, Nabatame Shin1, Mohri Ikuko1, Tanaka Masako1, Ozono Keiichi1
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O-121 The implementation status of portable electroencephalogram examination and its usefulness
Sei Kensi1, Ikeda Azusa1, Takashima Tumiko1, Tuyusaki Yu1, Ichikawa Kazushi1, Tuji Toshiro1, Mizue Iai1, Yamashita Sumimasa1, Goto Tomohide1
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O-122 Neurodevelopmental Outcome in Shuffling Babies
Okai Yu1, Miura Kiyokuni1, Hasekihara Yousuke1, Nakata Masaharu1, Sakaguchi Yoko1, Itou Yuji1, Yamamoto Hiroyuki1, Ohno Atuko1, Nakata Masaharu1, Kidokoro Hiroyuki1, Natsume Jun1
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O-123 6-month-old infant's inability to push-up in the prone position and subsequent developmental delay
Senju Ayako1, Shimono Masayuki1, Tsuji Mayumi1, Ishii Masahiro1, Fukuda Tomomasa1, Matsuda Yumeko1, Igarashi Ryota1, Kawamoto Toshihiro1, Kusuhara Koichi1
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O-124 Developmental change of motor function analyzed with 3D motion capture system and use of iOS device
Matsumura Naoki1,2, Tsukamoto Katsura3, Kato Zenichiro1
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O-125 An imaging study of Pelizaeus-Merzbacher disease using Integrative Brain Imaging Support System
Inoue Ken1, Sumida Kaoru2, Takanashi Jun-ichi3, Matsuda Masayuki2, Sasaki Noriko2
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O-126 Structural Network Analysis with a Graph Theory in Children with Localization-related Epilepsy.
Takeda Kanako1,2,3, Matsuda Hiroshi1, Miyamoto Yusaku1,2,3, Yamamoto Hiroyuki1
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O-127 DTI findings before and after hematopoietic stem cell transplantation to reveal white matter damage
Sakaguchi Yoko1, Tanaka Masaharu1, Okai Yu1, Ito Yuji1, Yamamoto Hiroi1, Ono Atsuko1, Nakata Tomohiko1, Kidokoro Hiroyuki1, Takashashi Yoshiyuki1, Natsume Jun1
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O-128 Development of the human lateral geniculate nucleus: A computerized 3D-reconstruction study
Yamaguchi Katsuyuki1, 1.Department of Pediatrics, Southern Tohoku General Hospital, Koriyama, Japan,

O-129 Diagnosis and prognosis in fetal brain malformations
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O-130 Assessment of language acquisition area using functional MRI.
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O-131 The influence on development handicapped children by the Kumamoto earthquake
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O-132 Case reports of Somatoform disorder in Kumamoto prefecture
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O-133 Clinical Study of Mental Stress in Orthostatic Dysregulation using Psychological Tests and Biomarkers
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O-134 A summary of primary illness of secondary headache in children presenting to our pediatric clinic
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O-135 Clinical investigation of hypersonmia in childhood
Hanako Yoshiyuki1, Shibata Takashi1, Hayashi Yumiko1, Akiyama Mari1, Oka Makio1, Yoshinaga Harumi1, Kobayashi Katsuhito1
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O-136 Two cases of narcolepsy with characteristic cataplexy recorded by long-term video EEG
Yanagishita Tomoe1, Ito Susumu1, Mizuochi Kiyoshi1, Sugimoto Kei1, Otani Yu1, Eto Kauru1, Takeshita Akiko1, Hirasawa Kyoko1, Kanbayashi Takashi1, Oguni Hiroyuki1, Nagata Satoru1
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O-137 Psychogenic Dystonia Reverted after Propofol-induced Deep Sedation
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O-138 Efficacy and safety of intravenous levetiracetam for status epilepticus, cluster seizures in children
Matsuura Ryuki1,2, Hamano Shin-ichiro1, Kubota Jun1,2, Nakamura Yuko3, Hiwata Erika1, Ikemoto Satoru2,3, Koichihara Reiko1, Kikuchi Kenjiro2, Minamitani Motoyuki3
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O-139 Effectiveness of vitamin B6 supplementation for the side effects of levetiracetam
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O-140 Clinical efficacy of perampanel in refractory epilepsy With onset in childhood or adolescent
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O-141 Methyl-prednisolone pulse therapy for patients with refractory epilepsy
Kimizu Tomokazu1, Takahashi Yukitoshi2, Oboshi Taikan1, Horino Asako1, Omatu Hiroko1, Koike Takayoshi1, Yoshitomi Shinshaku1, Yamaguchi Tokito1, Ikeda Hiroko1, Imai Katsumi2, Shigematsu Hideo1, Inoue Yushi1
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O-142 West syndrome NHO-Japan 342 ACTH cases study: adverse effects of the initial ACTH therapy
Takahashi Yukitoshi1, Toyama Jyun2, Fujita Hiroshi2, Ikeda Chizuru1, Takahashi Jyunya1, Tanaka Shigeki2, Nagao Masayoshi2, Shiraga Hiroshi2, Kaneko Hideo1, Sawai Yasuko1, Oota Akiko1
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O-143 General anaesthesia therapy using thiamylal in the treatment of refractory status epilepticus
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O-144 Blood-based miRNA biomarkers for diagnosis of Autism Spectrum Disorder
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O-145 The relationship between hypersensitivity and early signs in children with high-functioning-ASD.
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O-146 Assessment of Adaptive Functioning in Children with Developmental Disorder
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O-147 Early detection of autism spectrum disorder by applying specific preferential-looking behavior
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O-148 Tympanic deep body temperature as a biomarker of Autistic spectrum disorders
Nakayama Tomohiro1,2, Ooguro Haruka1, Nakayama Naoko2, Nakayama Junko1, Iwasaki Nobuaki1
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O-149 Epidemiology of acute childhood encephalopathy at Shizuoka Children’s Hospital, 2011-2016
Watanabe Seiji1, Okumura Yoshinori1, Murakami Tomomi1, Tamari Akinobu1, 1.Shizuoka Children’s Hospital, Shizuoka, Japan
O-150  Electroencephalographic monitoring during hypothermia for pediatric acute encephalopathy

Ohno Atsuko1, Tanaka Masahiro1, Okai Yui1, Sakaguchi Yoko1, Itou Yui1, Yamamoto Hiroyuki1, Nakata Tomohiko1, Kidokoro Hiroyuki1, Numaguchi Atsushi2, Negoro Tamiko1, Watanabe Kazuyoshi1, Natsume Jun1,2
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O-151  The efficacy of long time EEG recordings for Posterior Reversible Encephalopathy Syndrome

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O-152  Genetic risk factors in patients with febrile seizures compared to AESD

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O-153  The comparison of seizure in acute encephalopathy and febrile seizure with rotavirus infection

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O-154  Characterization of cytokine/chemokine profiles of HSES

Kuki Ichiro1, Kawasaki Hisashi1, Fukuoka Masataka1, Kim Kiyohiro1, Inoue Takeshi1, Nukui Megumi1, Okazaki Shin1, Amo Kiyoko2, Togawa Masao2, Ishikawa Junichi1, Rinka Hiroshi1, Tomiwa Kiyotaka1, Shiomi Masashi1
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O-155  Effects of Japanese Herbal Medicine, Goreisan, on hypoxic ischemic encephalopathy in childhood rats

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O-156  The clinical study of DRPLA families in our hospital

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O-157  3 Japanese CMT families with the mitofusin 2 (MFN2) mutations

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O-158  A case with novel complex heterozygous mutation within PCDH12 gene.

Suzuki-muroimoto Sato1, Miyabayashi Takuya1, Takezawa Yusuke1, Oookubo Yukimune1, Endou Wakaba1, Inui Takehiko1, Wakusawa Keisuke1, Togashi Noriko1, Haginoya Kazuhiro1, Nakashima Mitsuko1, Saito Hirotomo1, Matsumoto Naomichi1
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O-159  An infant case with diffuse cerebrospinal lesion and cardiomyopathy caused by BOLA3 gene mutation

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The 59th Annual Meeting of the Japanese Society of Child Neurology

O-165 Effects of the guidelines on febrile seizures about diazepam suppository
Noda Anzu1, Koyama Akiko1, Koshino Yuki1
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O-166 Estimation of frontal lobe absence with ADHD
Nakagawa Eiji1
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O-167 A case series of 45 children referred to pediatric neurology with transient loss of consciousness
Toyoshima Daisaku1, Ishida Yusuke1, Tanaka Tsukasa1, Ogawa Yoshiharu1, Tanaka Toshikatsu2, Maruyama Azusa1, Nagase Hiroaki1
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O-168 Current situation and issues in management of epileptic seizure at regular school in Japan
Maruyama Yuki1, Takada Satoshi2
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O-169 Episodic involuntary movements in SMID
Goto Kazuya1, Uchiyama Sinichi1, Imai Kazuhide1
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O-170 A case of constraint induced movement therapy for hemiplegia due to MCA infarction
Takehiko Inui1, Yamamura Saeko1, Miyabayashi Takuya1, Suzuki Sato1, Endo Wakaba1, Togashi Noriko1, Haginoya Kazuhiro1
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O-171 Intrathecal baclofen therapy for the treatment of spasticity in six cases with severe cerebral palsy
Koseki Naoko1, Takayama Rumioko1, Nakaidou Hiroki1, Watanabe Toshihide1,2
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O-172 Adverse effects of botulinum toxin treatment for opisthotonus
Nacu Atsu1,1, Arai Hidee1, Karasawa Kumiko1, Kaneko Kaori1, Chikumaru Yuri1, Karosawa Makiko1, Masuda Yuka1, Okuda Mitsuko1, Yugutsu Jiu1
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O-173 A study on the usefulness of PEDi on the persons admission to severely disabled persons facility
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O-174 The complications of children with tetraplegic cerebral palsy caused by multicystic encephalomalacia
Kitai Yukihiro1, Ogura Kaeko1, Ohmura Kayo1, Hirai Sator1, Ara Hiroshi2
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O-162 Long-term survival female case with thanatopholic dysplasia type I
Mishima Noriko1, Suzuki Misako1, Shimizu Norikazu1
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O-163 Two patients with MPPH syndrome associated with infantile spasms
Hiyane Masato1, Matsuoka Tsuyoshi1, Ohfu Masaharu1, Kato Mitsushi2
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O-164 Seizure frequency is associated with frontal lobe dysfunction in children with frontal lobe epilepsy
Kanemura Hideaki1, Sano Fumikazu1, Ohyama Tetsuo1, Aoyagi Kaku1, Hosaka Hiromi1, Sugita Kanji1, Aihara Masao4
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O-161 A patient with uniparental disomy of chromosome 1 with symptoms similar to 1p36 deletion syndrome
Taniguchi Naoko1, Shiomura Hideki1, Minagawa Kyoko1, Tamaoki Tomoko1, Takeshima Yasuhiro1
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O-160 A novel missense mutation in a patient with Larsen syndrome
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O-175  Analysis of children with home medical care in Saitama Prefecture
Nagura Michiaki1, Yamazaki Kazuko1, Takada Eiko1, Moriwaki Kouichi1, Tamura Masanori1
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O-176  New criteria for amplitude-integrated EEG maturation in preterm infants
Kato Toru1, Tsuji Takeshi1, Hayakawa Fumio1, Kubota Tetsuo1, Kidokoro Hiroyuki1, Natsume Jun1, Okumura Akihisa2
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O-177  The characteristics of General Movements in prone position
Maeda Tomoki1, Sekiguchi Kazuhito1, Takahashi Mizuho1
1.The Department of Pediatrics, Oita University, Oita, Japan,

O-178  The utility of neonatal MRI for prediction of outcome with neonatal Hypoxic-Ischemic Encephalopathy
Shimomoto Tadashi1, Mizutani Satoshi1, Nabetani Makoto2
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O-179  A case of Benign Neonatal Sleep Myoclonus
Yamada Ryutaro1, Ito Masahiro1, Tamaki Hisamitsu1
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O-180  Earlier physical therapist intervention may improve the mental development of ELBW infant
Igarashi Ryoita1, Araki Shunsuke1, Shimizu Daisuke1, Suga Shutarou1, Eguchi Mami1, Shimono Masayuki1, Kusuhara Koichi1, Yugoshi Manami2, Ogata Yuto2, Nakamoto Yoko2
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O-181  Impact of postnatal corticosteroid use on neurodevelopment at 18 months'corrected age
Kawasaki Yuko1, Ono Yosuke1, Tamura Kentaro1, Matui Mie2, Yoshida Taketoshi1
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O-182  Antipsychotic prescription for mentally handicapped children
Akaie Hiroto1, Kondo Eisuke1, Kouno Mina1
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O-183  The investigation of 24 children with developmental disorder who had significant improvement in IQ
Matsufuji Hironori1, Emi Sakie1, Ishikawa Naoko1,2, Isumi Hiroshi1, Sugio Yoko1, Ichiyama Takashi1, Sugio Yoshitsugu1
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O-184  Effect of Medical Intervention on Daily Life in Children with Autism Spectrum Disorder
Motoyama Kazunori1, Matsuo Mitsuhiro1, Hujii Akiko1, Nagaoka Tamao1, Miyazaki Mutsuko1
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O-185  Characterization of sensory processing functions of infant/toddler with developmental disorder
Maeyama Kaori1, Takagi Yasuko2, Yoshioka Mieko1, Kato Takeshi1, Mizobuchi Masami1, Kitayama Shinji2, Takada Satoshi1, Bo Ryoosuke1, Tomioka Kazumi1, Nishiyama Masahiro1, Awano Hiroyuki1, Nagase Hiroaki2, Iijima Kazumoto1, Nishimura Noriyuki1
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O-186  Evaluation of developmentally disturbed children using the Sensory Profile translated into Japanese
Saito Kazuyo1, Haraguchi Mitsuayo1
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O-187  The acquisition of vocabulary in Japanese children with Williams syndrome
Nakamura Miho1, Muramatsu Yukako1, Kurahashi Naoko1, Mizuno Seiji1, Inagaki Masumi1
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O-188  A case of LMNA related congenital muscular dystrophy with dropped head
Maegawa Kanami1, Tominga Koji2, Okinaga Takeshi2, Nishino Ichizo1, Nishigaki Toshinori1
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O-189  Two closely spaced mutations on same allele of the COL6A3 gene results in autosomal dominant UCMD
Shimomura Hideki1, Lee Tomiko1, Matsumoto Masaaki2, Awano Hiroki2, Itob Kyoko1, Nishino Ichizo1, Takeshima Yasuhiro1
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O-190  Usefulness of cardiomagnetic resonance imaging in a patient with Emery-Dreifuss muscular dystrophy
Yamazawa Hirokuni1, Takeda Atsuhiro1, Izumi Gaku1, Sasaki Osamu1, Abe Jiro1, Sasaki Daisuke1, Shiraiishi Hideaki1, Nishino Ichizo2
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O-191  The clinical features of Type 1 fiber predominance in children
Ueda Ryos1, Ishiyama Akiko1,2, Inoue Michio1,2, Takeshita Eri1, Motohashi Yuko1, Saito Takashi1, Komaki Hirohumi1, Nakagawa Eiji1, Sugai Kenji1, Sasaki Masayuki1, Nishikawa Atsuko1, Nishino Ichizo2
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O-192  Peliosis hepatis in myotubular myopathy without abnormal ultrasound findings
Fukasawa Tatsuya1, Shiraki Anna1, Narahara Sho1, Kubota Tetsuo1, Negoro Tamiko1,2
1.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan, 2.Department of Clinical Psychology, Faculty of Child Development, Nihon Fukushi University, Aichi, Japan

O-193  The clinical course and treatment approach in 2 patients with congenital myasthenic syndrome
Ishiguro Kumiko1, Ishigaki Keiko1, Sato Takatoshi1, Shichiji Minobu1, Murakami Terumi1,2, Azuma Yoshiteru1, Ohsawa Makiko1, Ohno Kinji1, Nagata Satoru1
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O-194  High carbohydrate frequent meals and ketogenic diet for glycogen storage disease 3
Fukuda Tokiko1, Matsubayashi Tomoko1, Hiraide Takuya1, Hayashi Taiju1, Usushibata Rei1, Sugie Hideo1
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P-001 Usefulness of pyruvate therapy for MELAS/Leigh overlap syndrome: a case report
Takatsuki Mitsuh1, Motobayashi Mitsuo2, Morikawa Manami3, Kawasaki Youichirou4, Nishimura Takafumi4, Inaba Yuji1

P-002 A case of Leigh encephalopathy due to ND6 gene mutation with a relatively mild clinical course
Eto Kaoru1, Ito Yasushi1, Matsubara Kenji1, Murakami Terumi1, Ishigaki Keiko1, Murayama Kei1, Otake Akira1, Oguni Hirokazu1, Nagata Satoru1
1. Tokyo Women’s Medical University, Department of Pediatrics, Tokyo, Japan, 2. Ciba Children's Hospital, Chiba, Japan, 3. Saiitama Medical University, Department of Pediatrics, Saitama, Japan.

P-003 A girl with psychomotor regression and lactic acidemia with a mitochondrial DNA mutation m.9204delAT
Awaya Tomonari2, Maizuru Kanako2, Nakata Masatoshi2, Ide Minako2, Saito Keiko2, Yokoyama Atsushi2, Kato Takeo2, Ajima Masami2, Murayama Kei2, Matsumoto Naomichi1
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P-004 Two siblings with lethal infantile mitochondrial disease due to Coenzyme Q4 mutations.
Nagata Hiromi1, Watanabe Kenji1, Yotsumata Kazuyuki1, Maruyama Shinsuke1, Ikeda Toshirou1, Koga Yasutoshi1, Murayama Kei1, Takeuchi Toshiki1, Sakaguchi Yuri1, Kosoji Kenjiro1
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P-005 A case of laryngeal involvement with mitochondrial disease.
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P-006 Mitochondrial complex 1 deficiency with multiple organ failure due to the first lactic acidosis
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P-007 A case of Niemann-Pick type C disease performed liver transplantation from living donor, splenectomy
Yokoyama Atsushi1, Maiduru Kanako1, Nakata Masatoshi1, Saitoh Keiko1, Yoshida Takeshi1, Awaya Tomonari2, Hiagi Katsumi1, Nanba Eiji3
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P-008 Two-year treatment of early infantile Niemann-Pick disease C with miglustat and intrathecal HPBCD
Sakakibara Takafumi1, Tomomatsu Noriko1, Ogawa Kenich1, Matsuo Muneki1, Narita Aya1, Ohno Kousaku1, Shima Midori1
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P-009 SYMPTOMATIC NARCOLEPSY AMONG INHERITED DISORDER, SUCH AS NIEMANN-PICK TYPE C
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P-010 Slowly progressive leukencephalopathy and dystonia in a patient with PGK deficiency in adolescence
Kobayashi Ayumi1, Kashimada Ayako1, Baba Shinpei1, Yokoyama Haruna1, Moriyama Kengo1, Segawa Yuko2, Oyama Akiko1, Morio Tomohiro1, Ooyama Shouichi1, Takagi Masatoshi1
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P-011 Two cases of adrenoleukodystrophy.
Nagai Shigei1, Endo Shoichi1, Kirino Tomoko1, Fujihara Yumi1, Fujii Tomohiro1
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P-012  Investigation of alkaline phosphatase levels in inherited glycosylphosphatidylinositol deficiency
Tominaiga Koji,1,2, Tanigawa Junpei,1,2, Yamashita Tomoyo,1,2, Hiroto Mika,1,2, Watanabe Akito,1,3, Iwataki Yoshiko,1,2,3, Shimono Kuriko,1,2,3, Nabetame Shin,1,2, Murakami Yoshiko1, Kinoshita Toru1, Ozono Keiichi1,3. 1.Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan, 2.Division of Developmental Neuroscience, United Graduate School of Child Development, Osaka University, Suita, Japan, 3.Epilepsy Center, Osaka University Hospital, Suita, Japan. 4.Department of Immunoregulation, Research Institute for Microbial Diseases, and WPI Immunology Frontier Research Center, Osaka University, Suita, Japan

P-013  Plasmapheresis is effective for the boy with anti-MOG positive neumyelitis optica
Matsui Jun1, Nishikura Noriko1, Sokoda Tatsuyuki1, Takano Tomoyuki1, Kaneko Kimihiko2, Takahashi Toshiyuki2,3. 1.Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan, 2.Department of Pediatrics, Tohoku University, Miyagi, Japan, 3.Department of Neurology, Yonezawa Hospital, Yamagata, Japan

P-014  A case of neuromyelitis optica with successive treatment by immunoadsorption therapy
Fujita Mayuko1, Fukuhara Tomoyuki1, Shiohama Tadashi2, Fujii Katsunori1, Shimoo Naoki1. 1.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan

P-015  Anti-MOG antibody positive optic neuritis accompanying type 1 diabetes during steroid pulse therapy
Fujii Shuichi1, Kawakami Yasuhiro1, Nishida Satoko1, Shigemori Tomoko1, Takase Masato1, Takahashi Toshiyuki2,3, Kaneko Kimihiko4. 1.The Department of Pediatrics, Nippon Medical School Tama Nagayama Hospital, Tokyo, Japan, 2.Department of Neurology, Tohoku University School of Medicine, Miyagi, Japan, 3.Department of Neurology, Yonezawa National Hospital, Yamagata, Japan

P-016  Effect of steroid for multiple sclerosis patient with myelin oligodendrocyte glycoprotein antibodies
Takeuchi Hirokazu1, Oba Atsuko1, Ikuchi Kenjiro1, Wada Yasuyuki1, Takahashi Toshiyuki2,3, Kaneko Kimihiko4. 1.Department of Pediatrics, The Jikei University Kashiwa Hospital, Tokyo, Japan, 2.Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan. 3.Department of Neurology, Tohoku University School of Medicine, Miyagi, Japan, 4.National Hospital Organization Yonezawa Hospital

P-017  A case of MOG antibody positive disease diagnosed after follow-up as multiple sclerosis for 8 years
Watanabe Shohei1, Kuwabara Kouze1, Suzuki Yuka1, Takahashi Toshiyuki2, Nakashima Ichiro2, Fukuda Mitsumasa3. 1.Department of Pediatrics, Saiseikai Imabari Hospital, Imabari, Japan, 2.Department of Neurology, Tohoku University Graduate School of Medicine, Sendai, Japan. 3.Department of Neurology, Ehime University Graduate School of Medicine, To-on, Japan

P-018  Analysis of cytotoxicity of anti-MOG autoantibody.
Kohyama Kuniko1, Suzuki Tomonori1, Shimizu Taiki2,3, Sakuma Hiroshi1. 1.Developmental Neurology Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 2.Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan

P-019  Bacterial meningitis experienced at our hospital after introduction of pneumococcal and Hib vaccine
Abe Shimpei1, Shimizu Taiki1, Igarashi Ayuko1, Ikeno Mitsuuru1, Nijima Shinich2, Shimizu Toshiaki1. 1.The Department of Pediatrics, Juntendo University, Tokyo, Japan, 2.The Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan

P-020  The case of early infantile meningitis that needed surgical intervention
Hayashi Taiju1, Urushibata Rei1, Hiraide Takuya1, Matsubayashi Tomoko1, Fukuda Tokiko1, Oishi Akira2, Baba Toru2, Koizumi Shintaro3, Tokuyama Tsutomu3. 1.The Department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan, 2.The Perinatal Center, Hamamatsu University School of Health Science, Hamamatsu, Japan, 3.The Department of Neurosurgery, Hamamatsu University School of Medicine, Hamamatsu, Japan

P-021  Aseptic meningitis with abducens paresis caused by Mycoplasma pneumoniae in a 13-year-old girl
Sokoda Tatsuyuki1, Matsui Jun1, Nishikura Noriko1, Takano Tomoyuki1. 1-The Department of Pediatrics, University of Shiga Medical Science, Shiga, Japan

P-022  Hearing impairment and developmental delay of case series with congenital cytomegalovirus infection
Takenaka Satoshi1, Kasai Mariko1, Mizuno Yoko2, Ohta Sayaka1, Shimoda Konomi1, Sato Atsushi1, Tsusuda Shinya1, Mizuguchi Masashi1, Oka Akira2. 1.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.Department of Pediatrics, Toho Bunkyo Hospital, Tokyo, Japan. 3.Department of Developmental Medical Sciences, School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-023  A case of infantile botulism presenting as ketogenic hypoglycemia
Kubota Kazuo1, Kamagai Chisa1, Kawai Hiroki2, Yamamoto Takahiro1, Kimura Takeshi1, Ozeki Michio1, Kawamoto Minako1, Kawamoto Norio1, Fukao Toshiyuki1. 1.Departments of Pediatrics, Gifu University Graduate School of Medicine, Gifu, Japan

P-024  Analysis of serum cytokine and chemokine profiles in childhood-onset ocular myasthenia gravis
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Clinical course of five patients with pediatric ocular myasthenia gravis remissioned by tacrolimus.

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Short-term efficacy of perampanel therapy in children with intractable epilepsy

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Efficacy and safety of perampanel with various epilepsy syndromes

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The importance factor for indication of epilepsy surgery in childhood patients

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Two cases of epileptic spasms persisted to school age and adolescence

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Clinical features and surgical outcomes in children with focal cortical dysplasia type II

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The 59th Annual Meeting of the Japanese Society of Child Neurology

P-036 Resective surgery for drug-resistant epilepsy with ulegria secondary to perinatal injury
Takaori Toru1, Saito Takashi1, Takeshita Eri1, Motohashi Yuko1, Ishiyama Akihiko1, Komaki Hirofumi1, Nakagawa Eiji1, Sugai Kenji2, Ikegaya Naoki2, Iwasaki Masaki2, Sasaki Masayuki2
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P-037 Optimal time for callosotomy in patients with intractable epilepsy
Terasawa Aiko1, Yuge Kouutarou2, Yae Yukako1, Shimomura Gou3, Suda Masao2, Okabe Rumiko2, Shibuya Kunihiko2, Nagamitu Shinichirou2, Honnda Ryuko1, Ono Tomonori1, Toda Keisuke1, Yamashita Yuusirou2
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P-038 Three cases with recurrent febrile and afebrile seizures successfully controlled by Levetiracetam
Inutsuka Miki1,2
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P-039 Successful treatment of intravenous levetiracetam for partial status epilepticus
Kishi Takama3
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P-040 Levetiracetam is effective in the treatment of epilepsy partialis continua; a case study
Matsumoto Takako1,2, Mihara Toshirou1
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P-041 Levetiracetam monotherapy in our department
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P-042 Efficacy and tolerability of levetiracetam monotherapy as the first-line antiepileptic treatment.
Nishiguchi Nanako1, Sato Tatsuharu2, Moriyama Kaoru2, Haraguchi Kouhei2, Moriuchi Hiroyuki2
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P-043 Experience from our hospital of intravenous levetiracetam in acute repeatedly seizures
Yamaguchi Katsuhiko1
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P-044 Report on cases in which levetiracetam monotherapy failed
Sawaishi Yukio1,2, Toyomo Miyuki1
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P-045 Efficacy and safety of levetiracetam-monotherapy
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P-046 Analysis of first seizures with fever in children older than 5
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P-047 Analysis of first seizures with fever in children older than 5
Osawa Yukiko1, Iwasaki Hiroki1, Obonai Toshimasa1
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P-048 Study about treatment and driver’s license for high school students and older with epilepsy.
Omi Tsuyoshi1,2
1,2.Department of Pediatrics, Chibana Clinic, Okinawa, Okinawa, Japan.

P-049 Study on plasma levels of homocysteine including dietary intakes of B-Vitamin in epileptic patients
Nagae Akiko1, Kumode Masao1, Yamashita Kumiko1, Oda Nozomi1, Fujita Yasuyuki1, Takaya Kiyoshi1
P-050  A study of clinical features of patients in epilepsy who show lower chloride concentration in CSF.
Horino Asako1, Takahashi Yukitoshii, Oboishi Taikai1, Kimizu Tomokazu1, Koike Takayoshi1, Yoshitomi Shinsaku1, Yamaguchi Tokito1, Otani Hideyuki1, Ikeda Hiroko1, Imai Katsumi1, Shigematsu Hideo1, Inoue Yousi1
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P-051 Two cases of fulminant acute disseminated encephalomyelitis (ADEM) in our hospital
Yae Yuko1, Terasawa Aiko1, Kawano Go1, Akita Yukihito1, Matsushi Toyoiro1
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P-052 A case of ADEM with anti-MOG antibody: significance of determining anti-MOG antibody,
Kawaguchi Tadayasu1, Kasuga Yuki1, Kimura Kaori1, Kubota Sonoko1, Momoki Emiko1, Kawamura Yuki1, Ishii Wakako1, Fukuda Ayumi1, Fuchigami Tatsu1, Fujita Yukihiko1, Takahashi Shori1, Kaneko Kimihiko1, Takahashi Toshiyuki1
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P-053 A case of multiphasic acute disseminated encephalomyelitis treated with gamma globulin therapy
Yano Tamami1, Kubota Hiroki1, Takahashi Tsutomu1
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P-054 A case of acute disseminated encephalomyelitis presenting with large cystic lesions in acute period
Hiraki Akiyoshi1, Kikuchi Masahiro1
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P-055 Two cases of Rasmussen syndrome showing different clinical course regarding steroids treatment
Tani Hiroo1, Ishikawa Nobutane1, Kobayashi Yoshioyuki1, Kobayashi Masao1
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P-056 A young pediatric case of Rasmussen syndrome with an unusual clinical course
Sawamura Noriko1, Muramatsu Kazuhiro1, Mikio Noshiki1, Suzuki Eriko1, Takahashi Yukitoshii, Ogata Tomomi1, Arakawa Hirokazu1
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P-057 A patient with acute encephalopathy with biphasic reduced diffusions
Nakata Tomohiko1, Hosokawa Yasuke2, Kajita Mitsuharu1, Tanaka Masahiro1, Okai Yu1, Sakaguchi Yoko1, Ito Yuji1, Yamamoto Hiroyuki1, Ohno Atsuko1, Kidokoro Hiroyuki1, Natsume Jun1,2
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P-058 Abnormal eye movement as the initial symptom in a child with Post vaccination Encephalitis
Hirayama Yoshimichi1
1.Department of Pediatrics Naha city hospital, Okinawa, Japan,

P-059 A case of MERS with concurrent cerebellitis associated with influenza A infection
Kobayashi Yoshinori1, Tsutara Satoru1
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P-060 A case of mild limbic encephalitis associated with influenza type A
Nakamura Takaji1, Matsuo Muneaki1
1.Department of Pediatrics, National Hospital Organization Ureshino Medical center, Saga, Japan, 2.Department of Pediatrics, Saga University, Saga, Japan,

P-061 A case of neonatal human parechovirus encephalitis
Koyama Akiko1, Noda Anzu1, Koshino Yukii, Abe Yuichi1,2
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P-062 A Case of hemolytic uremic syndrome with encephalopathy due to Siga-toxin-producing Escherichia coli
Moriyama Kaoru1, Haraguchi Kohiti1, Sato Tatsuharu1, Moriuchi Hiroyuki1
1.The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan,
The 59th Annual Meeting of the Japanese Society of Child Neurology

P-063  Two Cases of Contrastive Course of Acute Cerebellitis
Takei Go1, Katayama Nahoko1, Kamioka Tetsuharu1, Urabe Ryouuke1, Kakimoto Yu1, Terashima Hiroshi1, Kubota Masaya1, Takahashi Yukitoshii1
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P-064  A case of acute encephalitis with refractory repetitive partial seizures successfully controlled
Watanabe Yoshihiro1, Kaba Hikari2, Fujiraya Yu1, Takeshita Saoko1, 1.Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan.

P-065  A case of vanishing white matter disease complicated by fatty liver
Suzuki Motomasa1, Kumaki Tatsuro1, Kojima Yasuko1, Atobe Mahito1, Aoki Yushke1, Iomi Kazuya1, Murayama Kei2, Ohtake Akira3
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P-066  A case of weekly progressive leukoencephalopathy suggesting vanishing white matter disease
Tamura Yumi1, Hyoudou Sumio1, 2
1.Department of Pediatrics, Miyoshi Central Hospital, Miyoshi, Japan, 2.Department of Pediatrics, Hiroshima City Funaairi Citizens Hospital, Hiroshima, Japan.

P-067  A case of PolIII-related leukodystrophy developing acute disseminated encephalomyelitis
Matsuoka Tsuyoshi1, Hiyane Masato1, Ohfu Masaharu1, Yamamoto Toshikiy2, Osaka Hitoshi1, Takanashi Jun-ichi1, Saitsu Hirotomo1, Inoue Ken1
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P-068  Cerebrospinal fluid levels of phosphorylated neurofilament H in a patient with BPAN: a case report
Morikawa Manami1, Motobayashi Mitsuo1, Takano Kyoko1, Shiba Naoko1, Takatsuki Mitsuho1, Inaba Yuji1
1.Department of Pediatrics, Shinshu University, Nagano, Japan 2.Department of Neonatology, Shinshu University, Nagano, Japan, 3.Department of Medical Genetics, Shinshu University, Nagano, Japan.

P-069  A case of TUBB4A-associated unclassifiable hypomyelinating leukoencephalopathy
Imagi Toru1, Chong Pin Fee1, Nakamura Ryoko1, Matsukura Masaru1, Kira Ryutarou1, Saitsu Hirotomo2, Matsumoto Naomichi3
1.The Department of child neurology, Fukuoka Children's Hospital, Fukuoka, Japan 2.The department of biochemistry, Hamamatsu University School of Medicine, Shizuoka, Japan 3.The department of human genetics, Yokohama City University, Yokohama, Japan.

P-070  A case of hereditary spastic paraplegia with a mutation in HSPD1
Nakamura Ryoko1, Matsukura Masaru1, Chong Pin Fee1, Kira Ryutarou1
1.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan.

P-071  A case of Leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation
Yamaguchi Hiromi1, Watanabe Eri1, Shiote Jinya1, Nakao Aiko1, Ihara Yukiko1, Fujita Takako1, Ideguchi Hiroshi1, Inoue Takahito1, Tsuyusaki Yu1, Yasumoto Sawa1, Hirose Shinich1

P-072  Clinical characteristics of patients with cerebellar atrophy
Saito Takashi1, Motohashi Yoko1, Takeshita Eri1, Ishiyama Akihiko1, Komaki Hirofumi1, Nakagawa Eiji1, Sugai Kenji1, Sasaki Masayuki1, Sato Noriko1, Saitsu Hirotomo1, Iwama Kazuhiro1, Mizuguchi Takeshi1, Matsumoto Naomichi1
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P-073  A case of complicated concurrent oscillations of eyes and head developed in early childhood
Aiba Kaori1, Sakuma Hajime1, Sugimoto Mari1, Koyama Norihisa1, Yokochi Kenji1
1.Department of Pediatrics, Toyohashi Municipal Hospital, Toyohashi, Japan 2.Department of Pediatrics, Seiirei Mikatahara General Hospital, Hamamatsu, Japan.

P-074  Comprehensive targeted sequencing in ataxia telangiectasia like phenotype.
Kashimada Ayako1, Hasegawa Setsuko1, Morio Tomohiro1, Takagi Masatoshi1
1.Department of Pediatric & Developmental Biology, Graduate School of Med & Den Scince, Tokyo Med & Dental University, Tokyo, Japan.
P-075  Genetic evaluation of patients with intellectual disability using CMA and NGS at the "ID clinic";

Takano Kyoko1,2,3, Motobayashi Mitsuo1, Inaba Yuji1, Fukuyama Tetsuhiro2, Hirabayashi Shinichiro3, Nishi Eriko1, Fueki Noboru3, Tomomi Yamaguchi2, Waku Keiko1,2, Kaname Tatadashi1,2, Hata Kenichiro3,4, Kosho Tomoki1,2,3, Fukushima Yoshimitsu1,2,8
1.Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan, 2.Center for Medical Genetics, Shinshu University Hospital, Matsumoto, Japan, 3.Division of Medical Genetics, Nagano Children's Hospital, Azumino, Japan, 4.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan 5.Division of Neurology, Nagano Children's Hospital, Azumino, Japan, 6.Division of Rehabilitation Medicine, Shinano Iryofukushi Center, Shimotsuwa, Japan, 7.Department of Genome Medicine, National Center for Child Health and Development, Tokyo, Japan, 8.Initiative on Rare and Undiagnosed Diseases in Pediatrics, Tokyo, Japan, 9.Department of Maternal-Fetal Biology, National Research Institute for Child Health and Development, Tokyo, Japan.

P-076  Individuals with Down syndrome recovered from "Rapid deterioration";

Mizuno Seiji1, Inaba Mie1, Muramatsu Yuko1, Taniyahi Hiroko2
1.Department of Pediatrics, Aichi Prefectural Colony Center, Aichi, Japan, 2.Department of Pediatrics, Ohara General Hospital, Kure, Hiroshima, Japan

P-077  An adult patient of Down syndrome with autoimmune hyperthyroidism;

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P-078  The development characteristic of the infants with Down syndrome.

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P-079  A case of cerebral infarction with Down Syndrome, mismatched MRA and angiography findings

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P-080  Novel BCL11A Mutations in Two Children with Developmental Delay and Epilepsy

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P-081  16p13.11 deletion in a child with autism spectrum disorder, developmental disorders, and epilepsy

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P-082  Sibling cases of early onset epileptic encephalopathy with SYNJ1 gene mutations

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P-083  A case of West syndrome with SCN3A heterozygous mutation

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P-084  A case of neonatal epileptic encephalopathy with a novel mutation in the SCN2A gene

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P-085  KIF1A gene mutations may cause repetitive status epilepticus and cerebellar atrophy: a case report.

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P-086 Intractable epilepsy in ring chromosome syndrome
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P-087 Genomewide aCGH in 55 patients with non-syndromic intellectual disability
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P-088 A case of TUBB3 E410K syndrome diagnosed at the age of 31 years
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P-089 A 5-year-old boy presenting macrocephaly and intellectual disability with de novo mutation of <i>PTEN</i>
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P-090 A case of 4H syndrome confirmed by whole exome sequencing
Chihiro Abe1,2, Umemura Ayako1, Maki Yuki1, Kurahashi Naoko1, Yamada Keitaro1, Maruyama Koichi1, Aso Kosaburo1, Saito Hirotomo2
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P-091 Deregulated tonic inhibition in the hippocampus of mice model of Angelman syndrome
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P-092 Novel compound heterozygous variants in PLK4 cause macrocephaly and choreoatetospathy
Yokoi Setsuri1, Tsutsui Makiko1, Miya Fuyuki1, Miya Masafumi1, Kato Mitsuhiro1, Okamoto Nobuhiko1, Tsunoda Tatsuhiko1, Yamasaki Mami1, Kanemura Yonehiro1, Kosaki Kenjiro1, Saitoh Shinji1, Kurahashi Hiroshi2
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P-093 A case of Cohen syndrome: Exome sequencing showed a deletion of exons & a nonsense mutation in <i>VPS13B</i>
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P-094 Neurobehavioral assessment in two Japanese patients with Potocki-Lupski syndrome
Kurahashi Naoko1, Mizuno Seiji1, Inaba Mie1, Kurahashi Hirokazu1, Maki Yuki1, Abe-hatano Chihiro1, Yamada Keitaro1, Maruyama Koichi1, Kagami Masayo1, Kurosawa Kenji1, Nakamura Miho1
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P-095 Study of long term intrapulmonary percussive ventilator intervention for SMID
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P-096 Effect of nasal high-flow therapy for bedridden patients with acute respiratory distress
Inoue Kenji1, Kumada Tomohiro1, Shibata Minoru1, Nozaki Fumihito1, Hiejima Ikuko1, Hayashi Anri1, Mori Miiko1, Sasaki Saeko1, Fujii Tatsuya1
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P-097  Effective management of acute noninvasive positive pressure ventilation in bedridden people
Hiejima Ikuko1, Kumada Tomohiro1, Inoue Kenji1, Shibata Minoru1, Nozaki Humihito1, Hayashi Anri1, Mori Mioko1, Sasaki Saeko1, Hujii Tatuya1
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P-098  A survey of severely multiple handicapped persons who were introduced home mechanical ventilation
Maki Yuk1, Abe Chihiro1, Kurashahi Naoko1, Yamada Keitaro1, Maruyama Koichi1, Aso Kosaburo2
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P-099  Prediction of onset of tracheo-innominate artery fistula in tracheostomy patients.
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P-100  Approach for avoiding trachea-innominate artery fistula in a patient with myotubular myopathy
Muramatsus Asuka1, Nakamura Kousuke1, Ishii Sayaka1, Kamiya Yuuko1, Kanemura Hideaki1, Sugita Kaji2, Aihara Masao2
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P-101  Tracheostomy and laryngotracheal separation in our department
Takayama Rumiko1, Koseki Naoko1, Nikaido Koki1, Watanabe Toshihide1
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P-102  Tardive complications after laryngotraceal separation in severe motor and intellectual disabilities
Takahashi Nagahisa1, Yamaguchi Naot01, Kimura Ikumi1, Ohinata Juynko1, Nagase Mi1, Nakatani Katutoshi1, Yoneyama Akira1, Kitazumi Eiji1
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P-103  The research in tracheal cannula free after laryngotracheal separation
Ozawa Hiroshi1, Numakura Yuko1, Ozawa Yuki1, Oosawa Maki1, Kouno Chika1
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P-104  The long clinical outcome of Surgical Closure of the Larynx in persons with SMID
Kotake Yuko1, Hayakawa Mika1, Saigusa Hideto1, Hirose Seiko1, Hirata Yuko1, Suzuki Toshiko1, Oshima Sakiko1, Ochiai Yukikatsu1, Imai Masayuki1
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P-105  Laryngotracheal separation for home-care patients with severe motor and intellectual disabilities.
Koide Ayaka1, Amemiya Kaoru2, Ozawa Hiroshi2, Tomita Sunao1
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P-106  Long term features after aspiration prevention surgery in Severe Motor and Intellectual Disabilities
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P-107  EEG findings of sleepwalking
Sawai Yasuko1, Hoshida Tohru2
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P-108  Psychometric properties and population-based score distributions of the JSQ-ES
Kuwada Ayano1, Mitsuboshi Takashi1, Kato Kumi1, Hirata Ikuko2, Shimono Kuriko1, Nakashiki Mariko1, Tachibana Masaya1, Matsuzawa Shigeyuki1, Asano Ryouoku1, Ohno Yuko1, Tnike Masako1, Mohri Ikuko1
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P-109  Low dose of Aripiprazole reduced sleep time in the patients with delayed sleep phase disorder
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The 59th Annual Meeting of the Japanese Society of Child Neurology

P-110 Combination therapy with ramelteon and suvorexant for sleep disorder on neurodevelopmental disorders
Tsuyusaki Yu1, Ikeda Azusa1, Takashima Yumiko1, Sei Kenshi2, Ichikawa Kazusho1, Tsuji Megumi3, Iai Mizue1, Yamashita Sumimasa1, Goto Tomohide1
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P-111 A Case of Circadian rhythm sleep disorder (Delayed sleep phase disorder) treated with Ramelteon
Suzuki Toshihiro1
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P-112 A case of Kleine-Levin Syndrome with antibodies to NMDA-type GluR(ELISA)
Yokoi Mari1, Konishi Yukihiko1, Tomoie Rie1, Moyano Kaori1, Nishida Tomo1, Takahashi Yukitoshi1, Lusaka Takashi1
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P-113 Immunological analysis in patients with narcolepsy
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P-114 Four narcolepsy cases with developmental disabilities.
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P-115 Obsessive compulsive disorder and anxiety evaluation with SCAS in Tourette syndrome
Anzai Yu1, Hoshino Kyoko1, Nagao Yuri1, Kimura Kazue1, Hayashi Masaharu1
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P-116 A high-school girl who recovered from psychosomatic symptoms after changing her given name.
Nawate Mitsuru1, Iwamoto Keisuke1, Oshima Yukiko1, Okura Yuko1, Yoshioka Mikio1, Kobayashi Ichiro1, Takahashi Yutaka1
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P-117 A growth pattern in early onset eating disorders with intensive nutritional care
Mizumusa Shinya1, Maeda Masanori1, Tsuda Yuko1, Tamura Akira1, Minami Kouichi1, Suzuki Hiroyuki1
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P-118 A Clinical Survey of 87 Hospitalized Children Requiring Psychological Intervention
Nakao Aiko1,2, Goto Aya1, Sumimoto Sae1, Sakamoto Ayako1, Watanabe Eni1, Inoue Takahito1, Hirose Shinichi1
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P-119 A case of Tolosa-Hunt syndrome
Kashiki Tomoko1, Tachibana Hidekazu1, Momosaki Ken1, Ozasa Shirou1, Nomura Keiko1, Indou Yasuhiro1
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P-120 Disease modifying therapy with glatiramer acetate in a pediatric case of multiple sclerosis.
Mashimo Hideaki1, Kumada Satoko1, Nishida Hiroyasu1, Miyata Yohane1, Shirai Ikuko1, Kurihara Eiji1
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P-121 Subcutaneous immunoglobulin therapy improved QOL in a patient with opsoclonus-myoclonus syndrome
Hirata Yuko1,2, Hamano Shin-ichiro1, Oba Atsuko1, Matsuura Ryuko1,2, Tanaka Manabu1, Kawano Yukata1
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P-122 A case of opsoclonus-myoclonus syndrome associated with sleep-related laryngeal stridor
Mizuno Tomoko1,2, Kumada Satoko1, Nishida Hiroyasu1, Kamioka Tetsuharu1, Uchino Shumperi1,2, Kurihara Eiji2
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P-123 A boy with opsoclonus myoclonus syndrome who responds to dexamethadone pulse and rituximab treatment
Shiota Megumi1,2, Mori Masato1
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P-124 Successful steroid pulse therapy in cerebellar ataxia
Mori Takayuki1, Kitami Yoshikazu1, Itoh Asami1, Suzuki Hiromi1, Koide Ayaka1, Tomita Sunao1, Miyama Sahoko1, Sakuma Hiroshi2, Takahashi Yukitoshi3
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P-125 Childhood arterial ischaemic stroke incidence in Aichi Prefecture
Tsujii Takeshi1, Kataoka Erina2, Ueda Kazuto3, Hori Ikumi2, Miyake Michio1, Kobayashi Satoru1, Kurahashi Hirokazu2, Natsume Jun1
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P-126 22 cases of Arteriovenous Malformation with cerebral hemorrhage
UCHIDA Tomoko1,2, Ebara Michiyi1, Tanabe Ryo1, Nagasawa Kazumi1, Ishii Mitsuko1
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P-127 Four cases of cerebral infarction due to minor head trauma suspected of mineralizing angiopathy.
Takashima Yumiko1, Ikeda Azusa1, Tsuji Megumi1, Tsuyusaki Yu1, Sei Kenshi1, Ichikawa Kazush1, Iai Mizue1, Yamashita Sumimasa1, Aida Noriko2, Goto Tomohide1
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P-128 De novo RNF213 mutation causes suspected Nakajo-Nishimura syndrome with quasi-moyamoya disease
Hashimoto Kazuhiko1, Haraguchi Kouhei1, Nakashima Yumiko1, Moriyama Kenru1, Sato Tatsuharu1, Watanabe Satoshi1, Yoshiura Kouichirou2, Moruchi Hiroyuki1
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P-129 Successful prevention of stroke by anti-TNF therapy in 3 cases with adenosine deaminase 2 deficiency
Yoshida Takeshi1, Maizuru Kanako1, Yokoyama Atsushi1, Nakata Masatoshi1, Saito Keiko1, Yasumi Takahiro1, Heike Toshio1
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P-130 Two cases of spinal cord infarction caused by minor trauma
Yamamoto Takahiro1,2, Kubota Kazuo1, Kawai Hiroki1, Ito Yuuko2, Kawamoto Minako2, Kawamoto Norio1, Kimura Takeshi2, Teramoto Takahide1, Toyoda Izumi1, Fukao Toshiyuki2
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P-131 An Infant Case of Spinal AVM Successfully Treated with Intensive Care and Endovascular Surgery
Tanabe Masahiko1, Mori Masato1, Kondouda Yutaka1, Naruse Yuki1, Okada Hiroshi2, Itoh Kenichirou1, Miyagawa Tadashi2, Tanaka Michihiro3
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P-132 Recurrent syncope during crying gives a clue to the diagnosis of Moyamoya disease
Suzuki Nao1, Okano Satomi1, Tanaka Ryouka1, Okayama Akie1, Takahashi Satoru1, Azuma Hiroshi1
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P-133 Two cases of cerebral infarction caused by central nervous system vasculitis in children.
Kimura Kaori1, Kasuga Yuki1, Kagawachi Tadayasu1, Kubota Sonoko1, Momoki Emiko1, Kawamura Yuko1, Ishii Wakako1, Fukuda Ayumi1, Fujita Yukihiro1, Fuchigami Tatsuro1, Inamo Yasushi1, Takahashi Shori1
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P-134 Two cases of reversible cerebral vasoconstriction syndrome
Yoshikawa Soukue1, Kashiwagi Mitsuji1, Tanabe Takuya1, Azumaikawa Koji1, Fukui Miho2, Shimakawa Shuichi1, Tamai Hiroshi1
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P-135 Therapy of low dose levodopa in pediatric restless leg syndrome
Nagao Yuri1, Kimura Kazue1, Hachimori Kei1, Hayashi Masaharu1, Hoshino Kyoko1
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P-136 Five cases of breath-holding spell and Tic treated effectively with Kanbaku-taiso-to
Tajima Daisuke1, Tsuji Kousuke1
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P-137 A intractable case of paroxysmal dyskinesia in a 3-year-old boy
Inoue Mihoko1, 2, Wada Takuzo2, Mizuno Shinsuke2, Hori Mitsuki2, Nakuda Takyuki2, Takahashi Toshie2, Komiya Kei2, Fukao Daisuke2, Yokoyama Koji2, Ikeda Yuko2, Hara Shigeto2, Hamahata Keigo2, Yoshida Akira2, Yokoyama Atsushi2, 1.Wakayama Tsushiki Medical Welfare Center, Iwade, Japan, 2.Department of Pediatrics, Japanese Red Cross Society Wakayama Medical Center, Wakayama, Japan.

P-138 Brothers of the Infantile Bilateral Striatal Necrosis
Iba Yoshinori1, Miyazaki Kouhei1, Hunato Kei1, Ryujin Masako1, Saigou Kazuma2, Okada Mitsuru1, Takemura Tsukasa1
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P-139 A girl who was suspected Hashimoto encephalopathy, with an involuntary movement.
Moriyama Nobuko1, Oyake Natsuko1, Naoi Takayuki1
1.Department of Pediatrics, Hitachi, Ltd., Hitachinaka General Hospital, Hitachinaka, Japan.

P-140 ER stress response in Marinesco-Sjogren syndrome derived cell line and a new therapeutic approach.
Kashimada Ayako1, Hasegawa Setsuko1, Isagai Takeo1, Uchiyama Tsuyoshi1, Matsuo Muneaki1, Kawai Motoharu2, Goto Masahide2, Hayashi Yukiko2, Takagi Masatoshi1
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P-141 A case of juvenile muscular atrophy of distal upper extremity occurring in the course of swing tic.
Hoshino Hideki1, 2, Maruyama Hiroshi1, Mimaki Masakazu1
1. Department of Pediatrics, Teikyo University, Tokyo, Japan, 2. Matsudo Clinic, Chiba, Japan.

P-142 A case of congenital neuromuscular disease with uniform type 1 fiber.
Inoue Daishi1, 2, Haraguchi Kohel1, Moriyama Kaoru1, Sato Tsutsharu1, Yamashita Mio1, 2, Watanabe Yoshiaki1, 2, Nishino Ichizo1, Moriiuchi Hiroyuki1
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P-143 A patient of MELAS with diabetes coma (hyperglycemic hyperosmolar) death
Ito Masahiro1, Yamada Ryutarou1, Tamaki Hisamitsu1
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P-144 Features of muscle images in limb-girdle muscular dystrophy 2A using database
Ishiyama Akiko1, Murakami Terumi1, Iwabuchi Emi1, Inoue Michio1, Takeshita Eri1, Motohashi Yuko1, Komaki Hirofumi1, Sasaki Masayuki1
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P-145 Clinical study of cardiac function and treatment in Duchenne muscular dystrophy
Yamamoto Hisako1, Komaki Hirofumi1, Takeshita Eri1, Motohashi Yuko1, Ishiyama Akiko1, Saito Takashi1, Nakagawa Eiji1, Sugai Kenji1, Segawa Kazuhiro1, Sasaki Masayuki1
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P-146 Mental development and developmental disorder in Duchenne muscular dystrophy
Uchiyama Shinichi1, Imai Kazuhide1, Goito Kazuya1

P-147 A design of the quantitative evaluation method for cognitive impairment in mdx mouse.
Takagi Atsushi1, 2, Kinoh Hiromi2, Kasahara Yuko1, 2, Kawakami Yasuihiko1, Okada Takanori1, Ito Yasuhiko1
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P-148 Three cases of congenital myotonic dystrophy with prolonged respiratory failure
Tsujii Takarori1, Yokoi Ayano1, Yamada Shinya1, Wakisaka Akiko1, Nakamura Nami1, Maruhashi Keiko1, Niida Yo2, Oono Ichiro1
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P-149  Effects of a dynamic spinal brace on lung function and position in SMA type 2 children.
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P-150  Healthcare transition in patients with muscular disease at NHO Higashisaitama hospital
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P-151  Clinical evaluations of the patients with neuromuscular diseases followed in our outpatient clinic
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P-152  Genetic diagnosis and small mutation spectrum of Duchenne/Becker muscular dystrophy
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P-153  Clinical and genetic analyses of nemaline myopathy using next-generation sequencing
Hino Kaori1,2 Kitamura Yuri1, Arakawa Reiko1, Kondo Eri1, Nishikawa Atsuko1, Nishino Ichizo1, Eguchi Mariko1, Fukuda Mitsumasa2, Saito Kayoko1
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P-154  Microglial VNU contribution to epileptogenesis including astroglisis after status epilepticus
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P-155  A case of focal cortical dysplasia manifested AESD-like MRI finding
Maeda Kenchi1, Imagi Toru1, Matsukura Masaru1, Nakamura Ryoko1, Chong Pin Fee1, Lee Sooyoung2, Iri Kyutaro1
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P-156  Assessment of higher brain function in an Aicardi syndrome.
Omagari Kumi1, Honda Ryoko1, Yasu Tadateru1, Tanaka Shigeaki1, Ono Tomonori2, Toda Keisuke2, Baba Satoshi1, Shimada Tomoyuki1
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P-157  Transsphenoidal meningoencephalocele with profound cortical malformation and midface hypoplasia
Ueda Yuki1, Sato Norio1,2 Ando Akiko1, Onda Tetsuo1, Suganuma Takashi1, Obikane Katsuyuki1, Mikawa Makoto1, Sato Tomonobu1
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P-158  Management of spasticity and dystonia in holoprosencephaly
Ikeda Azusa1, Sei Kensi1, Takashima Yumiko1, Tsuyusaki Yu1, Ichikawa Kazushi1, Tsuji Megumi1, Iai Mizue1, Yamashita Sumimasa1, Goto Tomohide1
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P-159  A case of semilobar holoprosencephaly with a tonic seizure 6 hours after birth
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P-160  A case of KCNA2 encephalopathy with various involuntary movement, sever psychomotor retardation.
Sato Tatsuharu1, Haraguchi Kohei1, Moriyama Kaoru1, Watanabe Satoshi1,2, Kamimura Naohisa1, Yoshiura Kouichiro2, Morichi Hiroyuki1
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P-161  A case of intractable epilepsy with HUWE1 gene mutation
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P-162  Two cases of PCDH19 female epilepsy who showed seasonal seizures following by fever
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P-163  A patient of early EIEE with compound heterozygous variant in SZT2 (Seizure Threshold 2)
Yoshitomi Shinsaku1, Usui Daisuke1, Yamaguchi Tokito1, Otani Hideyuki1, Ikeda Hiroko1, Shigematsu Hideo1, Imai Katsumi1, Takahashi Yukitoshi1, Inoue Yushi1, Kato Mitsuko1, Nakashima Mitsuko1, Matsumoto Naomichi1
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P-164  Five cases with mutation of WDR45
Oohfu Taikan1, Takahashi Yukitoshi1, Omatu Yasuo1, Koike Takayosi1, Horino Asako1, Kimizu Yuichi1, Yamaguchi Tokito1, Ikeda Hiroko1, Otani Hidenori1, Imai Katsumi1, Shigematsu Hideo1, Inoue Yushi1, Katou Miitshito1
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P-165  A case of epileptic encephalopathy with STXBP1 gene mutation successfully treated with PB.
Itoh Seiko1, Suzuki Re1, Mukaida Soichi1, Matsushita Hiroko1, Ishii Atshishi1, Shiraishi Kazuhiro1, Hirose Shinichi1
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P-166  Fatal akute encephalopathy in a boy with inherited GPI deficiency (PIGN)
Kimura Sadami1, Nakai Re1, Hayashi Ryoko1, Ikeda Tae1, Mogami Yukiko1, Yanagihara Keiko1, Murakami Ryouko1, Kinoshita Tarou1, Tanigawa Jyunpei1, Okamura Tskysu1, Suzuki Yasuhiro1
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P-167  An autopsy case of Rett syndrome in the aged
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P-168  A family with ZC4H2 mutation
Kishimoto Kanako1, Komou Kawai1, Harada Daisuke1, Izu Masahumi1, Nagamatsu Yukio1, Kashiwagi Hiroko1, Yamamoto Miho1, Ishiura Yoshihito1, Nonna Noriyuki1, Okamoto Nobuhiko1, Tagawa Tetuzou1
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P-169  A case of Marfan syndrome with slowly progressing course and severe intellectual disability
Motojima Yoshino1, Watanabe Yoshimi1, Kodama Kazuo1, Mizuochi Hiroomi1, Omata Taku1
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P-170  Temple syndrome; a sporadic and non-medical-interventional adult case
Yatsuga Shuichi1, Kimura Takuro1, Matsumoto Takako1, Matsubara Keiko1, Fukami Maki1, Kagami Masayo2
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P-171  Periventricular nodular heterotopia and connective tissue anomalies associated with a FLNA mutation
Iida Daisuke1, Horii Kikumi1, Nakamura Yuri1, Ohshita Hiroshi1, Negishi Yutaka1, Shinohara Tsutomu1, Hattori Ayako1, Kato Takenori1, Inukai Sachiko1, Kitamura Katsunasa2, Kunishima Shinji2, Kawai Tomoki2, Obara Osamu2, Saisho Shinji2
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P-172  A case of MECP2 Duplication Syndrome with IgA-IgG2 deficiency and atrophy of the cerebellar vermis
Matsui Shuji1, Kurosawa Kenji2
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P-173  Duplication of the Xq21.1 in two male siblings with neurodegeneration with brain iron accumulation
Miyata Yohane1, Uchino Susement1, Uchiyama Yuri1, Kumada Satoko1, Mashimo Hideaki1, Nishida Yuya1, Shirai Ikuko1, Kurihara Eiji1, Matsumoto Naomichi1
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P-174  A 3-year-old boy with Schinzel-Giedion syndrome complicated by Juvenile myelomonocytic leukemia.
Haraguchi Kohei1, Moriyama Kaoru1, Sato Tatsuharu1, Itou Nobuhiko1, Funakoshi Yasutomo1, Muramatsu Hideki2, Morishita Hiroyuki1
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P-175  A case of Nicolaides-Baraitser syndrome with mutation of SMARCA2 gene by whole exome analysis.
Tada Hiroki1, Kosuga Motomichi2, Murayama Kei1, Hata Kenichiro2, Migita Osuke2, Takenashi Jun-ichi3
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P-176  An autopsyle case with polymicrogyria, fibrilar defect, odd looking face, and chondrodysplasia punctata
Numoto Shingo1, Kurahashi Hirokazu1, Takasai Michihiko1, Okumura Akihisa1, Hayashi Masaharu1, Nishimura Gen1, Oba Hiroshi1
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P-177  A novel mutation of TBL1XR1 in individual with autism spectrum disorder and facial dysmorphism
Minatogawa Mari1, Yokoi Takayuki1, Enomoto Yumi1, Iida Kazumi1, Tsurusaki Yoshinori1, Harada Noriaki1, Naruto Takuya1, Kurosawa Kenji1
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P-178  EP300-Related Rubinstein - Taybi syndrome diagnosed by array-CGH
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P-179  A case of idiopathic intracranial hypertension treated with lumboperitoneal shunt
Yonemoto Kosuke1, Torio Michiko1, Sakai Yasunari1, Kuga Daisuke2, Sasatuki Momoko1, Ishizaki Yoshito1, Sanefuji Masafumi2, Torisu Hiroyuki1, Takada Hidetoshi1, Ooga Shoichi1
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P-180  Cyclic Vomiting Syndrome Associated with Migraine in Three Cases of CHARGE Syndrome
Itoh Kazuya1, Kuma TSURO1, Kojima Yasuko1, Atobe Mahito1, Aoki Yuusuke1, Suzuki Motomasa1, Mizuno Seiji2, Kosaki Kenjiro3
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P-181  Cytokine assay of migraine-like attacks in a child with Sturge-Weber Syndrome
Yamada Shimpei1, Kato Akiko1, Ikeno Iku1, Nakagawa Hiroyasu1, Yokoi Ayano1, Mitani Yusuke1, Ikawa Yasuhiro1, Kuroda Mond01, Niida Yo2, Yachie Akihiro1
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P-182  Situational syncope in a child diagnosed with and treated for epilepsy
Yamashita Tomoyosi1, Hirotsune Mika1, Watanabe Akitoshi2, Tanigawa Junpei1, Hamada Yusuke1, Iwatani Yoshiko1,2,3, Tominaga Yasuhiro1,2,3, Nagatake Shin2,3, Shimono Kunito1,2,3, Ozono Keiichi1,3
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P-183  Remission of refractory epilepsy after tuber resection in infancy in tuberous sclerosis complex.
Ueda Yuriko1, Shimoda Konomi1, Sato Atsushi1, Kasai Mariko1, Ohta Sayaka1, Takenaka Satoshi1, Oka Akira1, Mizuguchi Masashi2, Kunii Naoto1
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P-184  Efficacy of vigabatrin for tuberous sclerosis complex with epileptic spasms or/and partial seizure
Shimoda Konomi1, Kasai Mariko1, Ohta Sayaka1, Takenaka Satoshi1, Sato Atsushi1, Oka Akira1
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P-185  Orthodontia was effective for the oral function of the patients with xeroderma pigmentosum group A.
Miyata Rie1, Hayashi Masaharu2
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P-186  Effectiveness of susceptibility-weighted imaging of Sturge-Weber syndrome with low-dose aspirin
Maeda Masanori1, Mizunuma Shin'ya1, Tsuda Yuki1, Tamura Akira1, Minami Koichi1, Suzuki Hirohiko1
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P-187  Hypomelanosis of Ito with Chromosomal Abnormality and West syndrome; Report of a Female Case
Sano Nozomi1, Yonee Chihiro1, Tsuru Hisashi1, Matsufuji Mayumi1, Sameshima Kiyoko1, Arisato Takayo2, Ikeda Toshiro2, Maruyama Shinsuke3
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P-188  PHACE syndrome with pachygyria
Yotsumata Kazuyuki1, Nagata Hiromi1, Watanabe Kenji1
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P-189  Classification and clinical feature of chronic inflammatory demyelinating polyneuropathy in children
Sumitomo Noriko1, Ishiyama Akihiko1, Takeshita Erri1, Motohashi Yuka1, Saito Takashi1, Komaki Hirofumi1, Nakagawa Eiji1, Sugai Kenji2, Sasaki Masayuki1, Saito Yoko3
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P-190  Three cases of axonal Charcot-Marie-Tooth disease diagnosed by genetic screening
Matsukura Masanori1, Imagimaru Toru1, Nakamura Ryoko1, Chong Pinfee1, Kira Ryutaro1
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P-191  Two cases of Acute hemolytic and sensory neuropathy
Kakimoto Yu1, Urabe Ryouoku1, Katayama Nahoko1, Kamioka Tetsuharu1, Takei Go1, Yakuwa Akiko1, Kumagai Tadayuki1, Takenaka Satoshi1, Terashima Hiroshi1, Kubota Masaya2, Nakane Shunya2
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P-192  A case of Miller Fisher syndrome with consciousness alteration as seen in brainstem encephalitis.
Tetsuharu Kamioka1, Katayama Nahoko1, Urabe Ryouoku1, Kakimoto Yu1, Takei Go1, Terashima Hiroshi1, Kubota Masaya1
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P-193  Intramedullary T2-hyperintense lesion in a 13-year-old girl with acute motor axonal neuropathy
Sawada Dai'suke1, Fuji Katsunori1, Shiohama Tadashi1, Fujita Mayuko1, Fukuhara Tomoyuki1, Shimojyo Naoki1
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P-194  Serial MRI findings of brainstem radiation necrosis in a patient after cerebellar tumor treatment
Okubo Yuki1, Aki Haruka2, Oikawa Yoshitsugu1, Uematsu Yukiru2, Abe Yu2, Uematsu Mitsugu2, Kure Shigeo2
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P-195  Brain MRI (T2WI) analysis by Image J software in a girl with BPAN
Ikeda Tae1, Koto Yuta1, Nakajima Ken1, Hirano Aiko1, Nakai Rie1, Hayashi Ryoko1, Kimura Sadami1, Mogami Yukiko1, Yanagihara Keiko1, Suzuki Yasuhiro1
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P-196  Five cases of basal ganglia calcification in childhood
Okumura Keiko1.
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P-197  4 cases of Chiari I malformation with sleep apnea syndrome
Tominaga Koji1,2, Kato Kumi1, Kagawa Naoki2, Shimonou Kuriko1,2, Mohri Ikuko2, Taniike Masako2
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P-198  Rapidly progressive Idiopathic Hypertrophic Pachymeningitis in a girl
Tsuchida Kousuke1, Fukumura Shinobu1, Kawamura Kentaro1, Yamamoto Akiyo1, Yoto Yuki1, Tsutsumi Hiroyuki1, Akiyama Yukinori2, Mikuni Nobuhiro2, Hirano Hiroshi1, Ito Yumika3, Kikuchi Noriaki1, Hasegawa Tadashi2
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P-199  Two pediatric cases of hemispheric brain atrophy after acute subdural hematoma
Toda Soichiro1, Yuasa Shota1
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P-200  Evaluation of airway disease in psychomotor retardation by laryngo-bronchoscopy
Suganami Yusuke1, Morishita Natumi1, Takeshita Mika1, Morichi Shinichirou1, Ishida Yu1, Oana Shingo1, Yamanaka Gaku1, Kawashima Hisashi1
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P-201  The focality and propagation diagnosis using dipole distribution analysis of magnetoencephalography
Yamamoto Hiroyuki1, Hoshiyama Minoru2, Shiraishi Hideaki2, Okanishi Toru1, Maesawa Satoshi1, Tanaka Masaharu1, Sakaguchi Yokoi1, Okai Yu1, Ito Yuji1, Ohno Atsuko1, Nakata Tomohiko1, Kidokoro Hiroyuki2, Natsume Jun1,2
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P-202  Relationships between high-frequency oscillations in MEG and the epileptic focus
Iwatani Yoshihiko1,2,3, Shimonou Kuriko1,2,3, Hirostune Mika1,2,3, Yamashita Tomoyo1,2,3, Watanabe Akito1,2, Tanigawa Junpei1,2, Tominaga Koji1,2,4, Natsume Jun1,2,3, Oshino Satoru1,2,3, Kishima Haruhiko4,5, Ozono Keiichi6
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P-203  A case of abdominal functional myoclonus analyzed by MRCP (movement related cortical potentials)
Urabe Ryosuke1, Katayama Nahoko1, Kamioka Tetsusharu1, Kakimoto Yu1, Takei Go1, Terashima Hiroshi1, Kubota Masaya1
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P-204  A case of congenital trigeminal anesthesia which recognized improvement of blink reflex.
Watanabe Mio1, Hazama Kyoko1, Dowa Yuri1, Shibara Takashi1
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P-205  Causes of detachment of adhered electrodes during on long time EEGs
Okamoto Kentaro1, Fukuda Mitsumasa1, Jogamoto Toshihiro1, Mizumoto Manami1, Ishii Eichi1
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P-206  Maltreatment of disabled children with special medical care
Itakura Ayako1, Tamasaki Akiko2, Matsumura Wataru1, Sugihara Susumu1, Maegaki Yoshihiro1
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P-207  Survey of nursing care and caregiver burden in the parents with tracheotomy child.
Koto Yuta1, Ikeda Tae2, Yanagihara Keiko2, Mogami Yukiko2, Kimura Sadami1, Hayashi Ryoko1, Nakai Rie2
1.Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan, 2.Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan,

P-208  transition medical care in pediatric neurology of general hospital
Watanabe Akimitsu1, Takahashi Kouji1, Shirai Kentaro1, Haibara Akiko1
1.Department of Pediatrics, Tsuchiya Kyodo General Hospital, Ibaraki, Japan,
The 59th Annual Meeting of the Japanese Society of Child Neurology

P-209  **Transition to adult healthcare system for patients with severe motor and intellectual disabilities**
Tsui Megumi1,2, Sei Keshin1, Ikeda Azusari, Takashimia Yumiko2, Tsuyusaki Yu2, Ishikawa Kazushi2, Iai Mizue1,2, Yamashita Sumimasa2, Goto Tomohide2
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P-210  **&quot;Momiji House&quot; a new type of short-term admission facility for children**
Terashima Hiroshi1, Yakuwa Akiko1, Urabe Ryosuke1, Katayama Naoko1, Kamioka Tetsuharu1, Kakimoto Yu1, Takei Gou1, Kubota Masaya1
1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan.

P-211  **A relationship between idiopathic toe walking and central tegmental tract lesion**
Haginoya Kazuhiro1, Mitabayashi Takuya1, Yamamura Naoko1, Suzuki Satoshi1, Okubo Yukimune1, Endo Wakana1, Inui Takehiko1, Togashi Noriko1
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P-212  **Clinical features of severe scoliosis in cerebral palsy**
Onoe Sachiko1, Koda Tokui1, Nobutoki Tatura1, Watanabe Makoto1
1.Hirakata General Hospital for Developmental Disorders, pediatrics, Osaka, Japan.

P-213  **Botulinum toxin therapy as palliative care for SMID with unfavorable disorders**
Saito Naho1, Nagasawa Tetsuro1
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P-214  **Investigation of cycling antibiotic therapy for patients with profound multiple disabilities.**
Emi Sakie1, Matsufuji Hironori1, Ishikawa Naoko1, Isumi Hiroshi1, Ichiyama Takashi1, Sugio Yoshitsugu1
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P-215  **Cases of severe motor and intellectual disability with pacemaker implantation for fatal arrhythmia**
Mori Mioko1, Hiejima Ikuko1, Kumada Tomohiro1, Shibata Minoru1, Nozaki Fumihito1, Hayashi Anri1, Inoue Kenji1, Sasaki Saeko1, Fujii Tatsuya1
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P-216  **A case of hypoxic encephalopathy with copper deficiency due to excessive zinc and cytopenia**
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P-217  **Evaluation of correlation between nutrition and frequency of infection in severe retarded children**
Ishi Masahiro1, Shimoto Masayuki1, Igarashi Ryouta1, Matsuda Yumeko1, Fukuda Tomofumi1, Senju Ayako1, Takano Shihoi1, Shiota Naoki2, Kusuhara Koichi1
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P-218  **Postoperative nutritional improvement recovered swallowing function in a case of anomadal**
Numasawa Yuko1, Yokoyama Momoko1, Nakano Yuko1, Nishimura Atsushi1, Michihiro Narumi1, Shihara Hiroaki1, Abe Toshiaki1, Harasawa Takao1
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P-219  **Gastrointestinal volvulus in five adults with severe motor and intellectual disabilities.**
Kurosawa Makiko1, Chikumaru Yuri1, Kaneko Kaori1, Karasawa Kumiko1, Okada Mitsuko1, Masuda Yuka1, Yuguchi Ju1, Arai Hidee1, Nezu Atsuo1
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P-220  **Thyroid function in the patients with severe motor and intellectual disabilities**
Yagi Mariko1, Matsumoto Yoko1, Nishimura Mio1, Kawasaki Yoko1
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P-221  **A case of epilepsy in which seizure control became possible with additional iron administration**
Hashimoto Syuji1, Yamamoto Hitoshi1
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P-222  **Progressive mental retardation in a 9-year old girl diagnosed with epilepsy with favorable prognosis**
Shike Tatsuhiko1, Takahashi Tako2
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P-223  **A boy with temporal lobe epilepsy who developed non-convulsive status epilepticus**
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P-224  **Four cases of thyrotoxic crisis with febrile seizures or disturbance of consciousness**
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P-225  A Case of Pallister-Hall syndrome with Gelastic Seizures
Torio Michiko1, Sakai Yuzuru1, Yonemoto Kosuke1, Ishizaki Yoshito1, Sanefji Masafumi2, Sasatuki Momoko1, Torisu Hiroyuki1, Takada Hitoshi1, Ooga Shoichi1
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P-226  Efficacy of continuous midazolam infusion for hyperthermia-induced seizures in Dravet syndrome
Ito Susumu1, Matsushima Naho2, Otani Yui1, Eto Kaoru1, Oguni Hirokazu1, Nagata Satoru1
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P-227  The treatment strategy of Epilepsy with continuous spike and wave during sleep.
Shirakura Hiroshi3, Sugai Kenji1, Takeshita Eri1, Motohashi Yuki1, Ishiyama Akihiko1, Saito Takashi1, Komaki Hirofumi1, Nakagawa Eiji1, Sasaki Masayuki1
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P-228  A case of atypical West syndrome presenting with epileptic myoclonus and epileptic spasms
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2.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

P-229  ACTH therapy and clonazepam for Epileptic spasms without hypsarrhythmia
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P-230  A case of infant treated refractory epilepsy by ketogenic diet
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P-231  Efficacy of Saikokaryukotsuboreito for Epilepsy in Children, 4th Report
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P-232  Study of sleep spindle in patients with febrile seizure
Minamitani Motoyuki1,2, Hamano Shin-ichiro1,2, Matsuru Ryuki1,2, Koichihara Reiko2, Ikemoto Satoshi1,2, Hwatarı Erika1, Kubota Jun1,2
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P-233  Studies on ictal EEG of infantile seizures in Kagawaga Central City Hospital
Nakajiri Tomohi1, Nagase Shizuka1, Kanagawa Atsuko1, Okita Sora1, Sasaki Kaori1, Oyazato Yoshinobu1, Nishiyama Atsushi1
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P-234  Evolution of electroencephalographical findings of Angelman syndrome
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P-235  EEG-fMRI findings of a case with likely epilepsy with continuous spike-waves during slow wave sleep
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P-236  A successful Zonisamide treatment of ACTH resistant West syndrome in infants with Down syndrome.
Sasaki Kouta1,2, Kumakura Akira1, Mizumoto Hiroshi1, Takaoi Toru1, Hata Daisuke1
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P-237  Effective treatment of ketogenic diet and Vigabatrin in West syndrome with mid-aortic syndrome
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P-238  A case of West syndrome with magnetic resonance imaging abnormalities associated with vigabatrin
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P-239  Comparison of seizure outcome in patients with West syndrome after extremely low-dose ACTH therapy
Matsumiha Naho1, Ito Susumu1, Ohtani Yui1, Eto Kaoru1, Oguni Hirokazu1, Nagata Satoru1
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P-240  The efficacy of nitrazepam for patients with West syndrome
Mizuochi Hiromi1, Watanabe Yoshimi1, Kodama Kazuo1, Omata Taku1
1. Division of Child Neurology, Chiba Children’s Hospital, Chiba, Japan.

P-241  Analysis of cerebrospinal fluid spectrin breakdown product in West syndrome
Matsumiha Takeshi1, Inoue Hirofumi1, Hoshide Madoka1, Oka Momoko1, Takahashi Kazumasa1, Hasegawa Shunji1
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P-242  Cases of status epilepticus in our hospital
Watanabe Shinichiro1, Ohinata Junko1, Katata Yuichi1, Nagase Yuichi1
1. Rehabilitation Center for Disabled Children, Tokyo, Japan.

P-243  Study of epilepsy in childhood after acute encephalopathy and encephalitis
Kodama Kazuo1, Omata Taku1, Watanabe Yoshimi1, Mizuochi Hiromi1
1. Division of Child Neurology, Chiba Children’s Hospital, Chiba, Japan.

P-244  Seizure recurrence rate of suspicion of benign infantile spasms
Awayama Chie1, Takami Yuichi1, Nakagawa Taku1, Nanbu Yoshinori1
1. Japanese Red Cross Society Himeji Hospital, Hyogo, Japan.

P-245  Recurrence rate of cryptogenic and symptomatic focal epilepsy after drug withdrawal
Takami Yuichi1, Awayama Chie1, Nanbu Yoshinori1, Nakagawa Taku1
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P-246  3-year outcome of cryptogenic focal epilepsy in childhood
Ikeda Chizuru1, Okada Takumi1, Ueno Hiroe1, Shimazu Tomoyuki1
1. Kumamoto Saisinuno National Hospital, Kumamoto, Japan.

P-247  Outcomes of 27 cases with presumed benign infantile convulsion at the first hospital visit
Nakagawa Taku1, Awayama Chie1, Nanbu Yoshinori1, Takami Yuichi1
1. Department of Pediatrics, Japanese Red Cross Society Himeji Hospital, Hyogo, Japan.

P-248  Steroid pulse therapy on acute encephalopathy with biphasic seizures and late reduced diffusion
Kobayashi Mizuki1, Ikeda Takahiro1, Miyauchi Akihiko1, Nagashima Masako1, Monden Yukifumi1, Osaka Hitoshi1, Yamagata Takanori1
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P-249  Characteristics of electroencephalogram in acute phase of acute encephalopathy with poor prognosis
Nagase Shizuka1, Oyazato Yoshinobu1, Kanagawa Atsuko1, Nakaiji Tomoshi1, Okita Sora1, Sasaki Kaori1, Nishiyama Atsushi1
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P-250  PLEDs in posterior reversible encephalopathy syndrome
Ito Asami1, Mori Takayuki1, Kitami Yoshikazu1, Suzuki Hiromi1, Koide Ayaka1, Tomita Sunao1, Miyama Saboko1
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P-251  Study of arterial spin-labeled (ASL) MRI in patients with AESD.
Katata Yu1, Takayanagi Masaru1, Moriya Mitsui1, Suzuki Rikio1, Kitamura Taro1, Nishio Toshiyuki1, Ohura Yoshihiro1
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P-252  Neurologic prognosis evaluation using VEGF and PDGF in pediatric influenza-associated encephalopathy
Morichi Shinichiro1, Morishita Natsumi1, Takeshita Mika1, Ishida Yu1, Oana Shingo1, Yamanaka Gaku1, Kawashima Hisashi1
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P-253  Outcome in children with AESD: Experience in a rehabilitation center
Ohnata Junko1, Shiota Megumi1, Yamaguchi Naoto1, Takahashi Nagahisa1, Yu1 Takako1, Kimura Ikumi1
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P-254  Increased serum level of interleukin-17 in patients with febrile seizures
Watanabe Yusuke1, Yamanaka Gaku1, Morishita Natsumi1, Takeshita Mika1, Urabe Tomomi1, Moriti Shintirou1, Ishida Yu1, Oana Shingo1, Kawashima Hisashi1
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P-255  Interventional strategy for pediatric febrile status epilepticus with regard to i.v. fosPHT and PB
Sugawara Yuji1, Nomura Yoshihiro1, Hasegawa Takeshi1
1.Dept of Pediatrics, Soka Minisucial Hospital, Soka, Japan,

P-256  A case report of AESD treated with plasma exchange and therapeutic hypothermia
Lee Sooyoung1, Nakamura Ryoko2, Matusuku Masaru2, Chong Pin Fee2, Kira Ryutaro2
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P-257  A 1-Year-old girl who exhibited aphasia during the course of acute encephalopathy.
Kawahara Tomoki1, Katsumori Hiroshi1
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P-258  Repeat conventional EEGs predicted the onset of AESD: a case report
Mizumoto Manami1, Hukuda Mitsumasa1, Okamoto Kentaro1, Jogamoto Yoshihiro1, Ishii Eiichi1
1.Dept of Pediatrics, Ehime University Graduate School of Medicine, Matsuyama, Japan,

P-259  TLR3 gene variants in Acute Necrotizing Encephalopathy
Hoshino Ai1, Nishiyama Satoshi1, Saitoh Makiko1, Kubota Masaya1, Takanashi Jyunichi1, Oka Akira1, Mizuguchi Masashi1
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P-260  Cortical and white matter lesions at the early second phase in AESD
Ichimiya Yuko1, Senafuji Masafumi1, Yonemoto Kosuke1, Torio Michio1, Ishizaki Yoshito1, Sasazuki Momoko1, Akamine Satoshi1, Torisu Hiroyuki1, Sakai Yasunari1, Takada Hidetoshi1, Ogah Shouich1
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P-261  Effect of copper chelator disulfiram on oral copper administration in Menkes disease model mice
Hoshina Takao1, Nozaki Satoshi2, Hamazaki Takashi1, Yamashita Kanako1, Sakuma Satoru1, Seto Toshiyuki1, Nakatani Yuka2, Kodama Hiroko2, Watanabe Yasuyoshi1, Shintaku Haruo1
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P-262  Maple syrup urine disease model mice in Mknr3 transgenic mice
Kishino Tatsuya1
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P-263  A case report of 3-hydroxyisobutyric aciduria with high intensity area in the basal ganglia.
Tando Tomoko1, Goto Yusuke1, Sugita Kanji1, Aiha Masao1
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P-264  Reversible brain atrophy in Glutaric aciduria type 1
Uematsu Yurika1, Sakamoto Osamu1, Okubo Yukimune1, Oikawa Yoshitsugu1, Kure Shigeco1, Uematsu Mitsugu1
1.Dept of Pediatrics, Tohoku University School of Medicine, Sendai, Japan,

P-265  A nine year old girl case of Glutaric acidemia type 1 with leukoencephalopathy-like symptoms
Ino Naomi1, Mizuta Keiko1, Nagura Michiaki1, Takada Eiko1, Shigematsu Yosuke2, Hata Ikue2
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P-266  Two cases of scurvy with preceding erythrocytura and dysbasia induced by air trampline
Watanabe Yoshimi1, Omata Taku1, Mizuochi Hiromi1, Kodama Kazuo1
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P-267  A case of vitamin B12 deficiency with developmental disorder responded to treatment
Okada Takumi1, Ikeda Chizuru1, Shimazu Tomoyuki1, Ueno Hiroe1
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P-268  The early ketogenic diets may prevent developmental delay in a case of GLUT1 deficiency syndrome
Shimomura Go1, Yuge Kotaro1, Suda Masao1, Okabe Runiko1, Shibuya Ikihiko1, Nagamitsu Shinichiro1, Okamoto Nobuhiko2
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P-269 Adult cases of glucose transporter 1 deficiency syndrome
Nabatame Shin1,2, Yamashita Tomoyo1,2, Hirotsune Mika1,2, Watanabe Akito1,2, Tanigawa Junpei1,2, Iwatani Yoshiko1,2,3, Tominaga Kouji1,2,3, Shimono Kuriko1,2,3, Osono Keiichi1,2
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P-270 Modified Atkins diet and TRH therapy for a case with glucose transporter type 1 deficiency syndrome
Toyono Miyuki1, Sawashiki Yuko1, Nabatame Shin2, Shimono Kuriko2, Oguni Hirokazu1
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P-271 A case of Pompe disease with posterior spinal correction and fusion surgery for myogenic scoliosis.
Yamada Hiroyuki1, Oguri Masayoshi2, Narita Aya1, Maegaki Yoshihiro1
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P-272 Nerve ultrasound and electrophysiology in mucopolysaccharidosis 2
Matsumura Misaki1,2, Hayashida Takuya1, Itakura Ayako1, Ooguri Masayoshi2, Narita Aya1, Maegaki Yoshihiro1
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P-273 A suspected abused infant who was later diagnosed as osteogenesis imperfecta type 1 clinically.
Oyama Yoshitaka1, Yamamoto Ayako1, Sakamoto Masamune1, Tateishi Itaru1, Hatano Michihiro1, Iwamoto Mari1
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P-274 Luteolin attenuates IL-6 induced astroglial activation in maternal immune activation model in vitro
Zuiki Masashi1, Chiyonobu Tomohiro1, Maeda Hiroshi1, Yamashita Satoshi1, Yoshida Michiko1, Hasegawa Tatsuji1, Morimoto Masafumi1
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P-275 A case fo neonatal adenovirus type 5 encephalitis
Takei Yuko1, Fukuyama Tetsuhiro1, Hirabayashi Shinichi1
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P-276 Short-term neurodevelopmental outcome after therapeutic hypothermia for perinatal asphyxia
Suda Masao1, Shibuya Ikukiko1, Shimomura Go1, Yuge Kotaro1, Okabe Rumiko1, Iwata Ousuke1, Nagamitsu Shinichiro1, Yamashita Yushiro1
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P-277 Clinical features of 3 cases with neonatal cerebral infarction
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P-278 Our measures against long stay of NICU patients
Eiko Takada1, Nagura Michiaki1
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P-279 Outcomes in light-for-date neonates with very low birth weight by cohort
Takeshita Akiko1, Hirasawa Kyoko1, Imai Ken2, Uchiyama Atsushi2, Kasuda Satoshi2, Nagata Satoru1
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P-280 Evaluating intelligence in school-age children born preterm birth
Yamakawa Noriko1, Sugino Noriko1, Bonno Motoki1
1.Mie Chuo Medical Center, Mie, Japan.

P-281 Analysis of the Frostig developmental test of visual perception in children born preterm
Sugino Noriko1, Yamakawa Noriko1, Bonno Motoki1
1.Mie Chuo Medical Center, Tsu, Japan.

P-282 Assessment of longitudinal change in white matter in preterm infants without MRI abnormalities.
 Kodowaki Satoshi1,2, Morimoto Masahumi1, Zuiki Masashi1, Maeda Hiroshi1, Yamashita Satoshi1, Morita Takeaki1, Hasegawa Tatsuji1, Chiyonobu Tomohiro1, Tokuda Sachiko1, Hosoi Hajime1
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P-283 Epilepsy as a comorbidity of ADHD
Okabe Rumiko1, Shibuya Ikuhiko1, Shimomura Gou1, Suda Masao1, Yuge Kotaro1, Iemura Akiko1, Nagamitsu Shinichiro1, Yamashita Yushiro1
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P-284 The effect of one week Summer Treatment Program for ADHD
Yuge Kotaro1, Suda Masao1, Shimomura Go1, Shibuya Ikuhiko1, Okabe Rumiko1, Nagamitsu Shinichiro1, Iemura Akiko1, Egami Chiyomi2,3, Yamashita Yushiro2,3
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P-285 Disinhibition in children with ADHD: simultaneous measuring using NIRS and ERP during Go/NoGo task
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P-286 Intracerebral hemorrhage during Concerta treatment in a pediatric case.
Takahiro Hayashi1, Kimura Nobusuke1, Nakamori Izumi1, Higuchi Yoshisasa1, Miyajima Tomok0
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P-287 Retrospective Study of Attention Deficit Hyperactivity Disorder using Atomoxetine Solution
Takagi Kazue1
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P-288 Three cases of Autism spectrum disorder coexisted with Alice in Wonderland syndrome
Ozaki Hirohiko1, Takahashi Takao2
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P-289 An open-label extension study of aripiprazole for irritability associated with autistic disorder
Ono Hiroaki1, Tadori Yoshihiro2
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P-290 A research on the usage of a noise reduction earmuff
Amemiya Kaoru1,2, Kouno Chika1, Nomura Yoshiho1, Tumita Ayako1, Nakamura Yukiko1, Ozawa Yuri1, Ozawa Hiroshi1
1.Shimada Ryouko Center Hachioji, Tokyo, Japan, 2.Saiwaikomo clinic, Tokyo, Japan

P-291 The effect of sodium valproate on developmental disorders
Iwabuchi Emi1, Nakagawa Eiji1, Takeshita Eri1, Motohashi Yuko1, Ishiyama Akihiko1, Saito Takashi1, Komaki Hirohumi1, Shugai Kenji1, Sasaki Masayuki1
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P-292 Foix-Chavany-Marie Syndrome associated with herpes simplex virus encephalitis
Kusama Yumiko1, Nukui Megumi1, Amou Kiyoko1, Ogawa Chie1, Nagayasu Kaori1, Hishikawa Ayako1, Tanaka Nobukazu1, Togawa Masao2, Kawakami Hisashi3, Aiba Tsumenasa1
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P-293 Children with impaired hearing whose characteristics resemble developmental disorder
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P-294 Boy with autism spectrum disorder in which congenital portosystemic shunt was discovered
Ogata Reina1, Yamasu Yukie1, Watanabe Kyo1
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P-295 Efficacy of music therapy with neurological and developmental disorder children
Ichida Yukiko1,2, Shiba Emiko1, Yoshida Niburu1, Matsuda Shimpei1, Niijima Shinichi1, Shimizu Toshiaki1
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P-296 Collaboration with psychiatrist was useful for medical care of developmental disorder: a case report
Jogamato Yoshihiro1, Hino Kaori1,2, Fukuda Mitsumasa1, Mizumoto Manami1, Okamoto Kentaro1, Horiiuchi Fumie1, Ishii Eiichi1
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P-297  Family support_activity in Kesen-numa city
Furukawa Emi1, Nagai Toshisaburo2
1.Department of Modern Education, Faculty of Education, Kio University, Nara, Japan,  2.Faculty of Education, Poole Gakuin University, Osaka, Japan,

P-298  How much do the teachers learning special education expect of child neurologists visiting schools?
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P-299  Pediatric rehabilitation at the north base of Mt. Fuji, Yamanashi
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P-300  Organization of cooperation system of the developmental pediatrician and community support service
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P-301  Educational study for regional physician to examine and manage child mental health
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P-302  Report on nursery teacher training to support children with developmental disorder
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P-303  Simultaneous social skills training for children with autism spectrum disorder and their parents
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P-304  The effectiveness of parent training program for children with Autism Spectrum Disorder
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P-305  Surveillance study of the Japanese child developmental support
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P-306  Outpatient of care and education for a disabled child at Shimada Ryoiku Center Hachiouji for 5 years
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P-307  Prognosis of delayed motor development manifested in infancy - Relevance to hypotonia -
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P-308  Quantitative Evaluation of handwriting skills during childhood
Watanabe Yusuke1, Ohtoshi Taro2, Yamamoto Akio2, Takiguchi Tetsuya3, Takada Satoshi1
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P-309  Reading difficulty in middle and high school students: using reading test
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P-310  Clinical features of 42 cases diagnosed as specific learning disorder
Atobe Mahito1, Arai Yasuaki1, Kawamura Masayo1, Furuhashi Kouichi1, Kuriyama Kikuko1
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P-311  Administration of the CANTAB battery to Japanese school-age children.
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P-312  Creating an assessment scale of social and behavioral development for children with disabilities
Goma Hideyo1, Tanaka Shun1, Ushiyama Michio1, Ikeda Tomomi1, Inoue Kazuhisa2, Kotani Hiromi1, Shimizu Satomi2, Ochiai Rika1, Muto Yoko1, Otani Takashi1, Kato Toshihiro1, Maruo Natumi10, Kirihara Aya1, Haraguchi Yoshimitu1, Okubo Keiko1

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