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 organizedin 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 Patint-based Medical Arts：Does a researcher plan about the medical artsin bed-side and on the medical insurance system?
Hirosi Takenaka (Medicine & Medial 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(Symposium1)

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 andcommunication among children with Downsyndrome and the INREAL approachfor their rehabilitation
Mekumi Mizuta (Osaka Medical College,LDCenter,Takatsuki,Japan,)
3) Oral myofunctional trainingand Development promotion
Reiko Kamiji (Sanyo Gakuen University Faculty of Human Sciences Department of Psychology and Human Life)
4) Support for school—aged childrenwith Down syndrome～Developing the personality of each child～
Michio Kojima (Faculty of Human Sciences,University of Tsukuba)

Public Forum(Symposium2)

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 developmentalcharacteristics of the cognitivefunction of individuals with Down's syndrome
Soichi Hashimoto (Center for the Research and Support of Educational Practice, Tokyo Gakugei University, Tokyo, Japan)

2) Support of rapid regression with Down's syndrome in adolescenceand adulthood
Atsushi Kanno (Center for Research and Support of Education Practice, Tokyo Gakugei University, Tokyo, Japan)
3) Progressive regression of social andcommunication skills in Down syndrome：a new disease concept
Tatsuro Kondoh (Division of Developmental Disabilities, The Misakaenosono Mutsumi Developmental, Medical, and Welfare Center, Isahaya, Japan,)

Public Forum(Symposium3)

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 researchesusing model mice
Mototada Shichiri (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 explainsthe pathogenic 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 with neuroimagingand biochemical biomarkers
Takahiko Tokuda (Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine, Kyoto, Japan,)
4) Tackle a problem of Alzheimer'sdisease in adults with Down syndrome
Ryozo Kuwano (Asahigawaso Research Institute, Asahigawaso Medical Welfare, Okayama, Japan)

Symposium1
Learn and Know Adequate Medical Evaluation and Support in individuals with ADHD by using Questionnaires or Functional examination batteries.

Chair:Junichi Furusho(Collage of Education, Psychology and human studies, Department of Education, Aoyamagakuin Unversity, 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 Funabiki (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 earlyintervention 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 Univeristy of Education,Nara,JAPAN)

Symposium2
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 inchild 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)

Symposium3
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, Saitama 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 foe 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) Unsolved issues of febrile status epilepticus and mesial temporal lobeepilepsy：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, Hirakata 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)

Symposium4
What is the value at which we will create for supporting chiidren or persons with SMID in the future?

Chair:Masao Kumode(The 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 interprofessionalteam 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)

Symposium5
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)

Symposium6
Sibling support for neurodevelopmental disorder

Chair:Masao Kawatani(Department of Pediatrics, Faculty of Medical Sciences, University of Fuki, Fukui, Japan),
Toshihisa Okada(Kumamoto Hatsuiku Clinic)

1) Basic viewpoint on support for siblingsof disabled children
Kunio Tamai (Taisho University　Faculty of Psychology & Sociology)
2) The significance and role of siblings
Masahiko Inoue (Torrori Universisty 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 supportfor sibling with autism spectrum disorder in Fukui
～from the standpoint of a sibling andpediatrician～
Masao Kawatani (Department of Pediatrics, Faculty of Medical Sciences, University of Fuki, Fukui, 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)

Symposium7
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 Duchennemuscular dystrophy
Tatsuya Fujii (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 andcognitive dysfunction
Miho Fukui (Department of Pediatrics,Osaka Medical College, Osaka, Japan,)
4) Physical therapy management ofDuchenne muscular dystrophy
Ishigaki Keiko (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan,)
5) Prevention and management of cardiomyopathy in Duchennemuscular 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,)

Symposium8
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)

Symposium9
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 fetalbiological 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—risknewborn 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,)

Symposium10
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 (Infectius 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,)

Symposium11
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, Fukui, 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)

Symposium12
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 foe 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,)

Symposium13
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)

Symposium14
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)

Symposium15
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, Institure 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,)

Symposium16
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, Hirakata City Hospital, Osaka, Japan)

1) Overview of treatment strategies for acute encephalitis／encephalopathy
Mitsuru Kashiwagi (Department of Pediatrics, Hirakata 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)

Symposium17
Clinical significance and new developments inof 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,)

Symposium18
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 Leaders1

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)

The Perspective of Leaders2

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

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

The Perspective of Leaders3

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)

The Perspective of Leaders4

Chair:Tomohiro Chiyonobu(Department of Pediatrics, Kyoto Prefectural University of Medicine)

No clinical medicine without research：howto balance clinical medicine and research
Mitsuhiro Kato (Department of Pedicatrics, 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 sever 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 Oguni (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 thesocial welfare
Emiko Matsuomto (Kansai University of International Studies,Hyougo 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 theview point 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)

Planning seminar4

Chair:Masao Aihara(Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi)

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

Planning seminar5

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

1) Localization of visual cognition
Kazumi Hirayama (Department of Ocupational Thrapy, 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 seminar6

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 modelin 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[Part1]

[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 (Depatrment 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 hold by the Joint Research Support Committee[Part2]

[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 (Depatrment 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 inspecial—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,)

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
Management of convulsive status epilepticus in children:report of the Guidline Working Group of the Japanese Society of Child Neurology

Chair:Yoshihiro 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 forstatus 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 Seminar1

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 Seminar2

Medical home healthcare practical excercise seminar
Hakuyo Ebara (Ebara Children's Clinic,)

Practical Education Seminar3-1

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 Seminar3-2

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 Seminar4

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 advancecare 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 Seminar5

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 leukoencephalopathy
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 Seminar6

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 Seminar7

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 abnormalitiesin 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 Seminar8

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 foe Child Health and Development)
3) Diagnostic reasoning in child neurology
Katsunori Fujii (Department of pediatrics, Chiba University Graduate Schol of Medicine)

Practical Education Seminar9

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 Seminar10

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

1) Using Japanese version of Vineland— II adaptive behaviors scale inclinical settings
Masatsugu Tsujii (Faculty of Sociology, Chukyo University, Toyota, Japan)
2) The Japanese versions of the KINDL^{R} questionnaire～an overview and application～
Kumiko Matsuzaki (Faculty of Letters, Department of Clinical Psychology, Atomi University,Niiza,Japan)
3) Clinical Utilization of the KINDL^{R}
Junichi Furusho (Collage of Education, Psychology and human studies, Department of Education, Aoyamagakuin Unversity, 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 Pedeatrics, 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:Tasuku Miyajima(Faculty of Child Studies, Department of Education for Childcare, Tokyo Kasei University)

Understanding irritability inautism 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 Seminar8

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 Seminar9 / 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 Seminar10

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 Seminar11

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 Seminar12

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 Seminar13

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 Seminar14

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 Seminar15

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

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

Luncheon Seminar15

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 Seminar16

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)

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—Pickdisease 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 Lysosphingomylein
   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 GeneticsTokyo 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 inreference 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 disorderand 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,)

The2nd research meeting of the pediatric autoimmune neuropsychiatric disorders

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

The 9th Annual Meeting of Japanese Society for Pediatric immune-mediated brain deseases

Chair:Masashi Mizuguchi(Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo),
Hiroyuki Torisu(Depertment 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 indevelopmental disorders
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, NCNP, 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 factorincluding autonomic nerve function inwake—up difficulty children with postural tachycaridia 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, Shukutoku 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 Nicola[1], Schulz Angela[2], Gissen Paul[3], Reyes De Los Emily[4], Williams Ruth[5], Cahan Heather[6], Slasor Peter[6], Jacoby David[6]
1.Bambino Gesu Childrens Hospital, IRCCS, Rome, Italy, 2.University Medical Center Hamburg-Eppendorf, Hamburg, Germany, 3.Great Ormond Street Hospital for Children, London, United Kingdom, 4.Nationwide Children s Hospital, The Ohio State University, Columbus, OH, United States 5.Guys and St Thomas NHS Foundation Trust, London, United Kingdom, 6.BioMarin Pharmaceutical Inc., Novato, CA, United States,

E-002 Lysosphingomyelin(LysoSM) Determination in Plasma and Dry Blood Spots (DBS) for NPC by Tandem MS

Eto Yoshikatsu[1], Miyajima Takashi[2], Igarashi Junko[2], Akiyama Keiko[1], Yanagisawa Hiroko[1], Arif Hossain[1], Eto Kaoru[3], Iwamoto Takeo[4]
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 Makito[1,2], Saigoh Kazumasa[2], Nakamura Yusaku[1], Kusunoki Susumu[2] ,
1.Department of Neurology, Sakai Hospital Kindai University Faculty of Medicine,Osaka,Japan, 2.Department of Neurology, Kindai University Facutly of Medicine, Osaka, Japan,

E-004 Continuous improvement of motor and cognitive functions after gene therapy for AADC deficiency

Kojima Karin[1], Miyauchi Akihiko[1], Nakajima Takeshi[2], Asari Sayaka[3], Mizukami Hiroaki[4], Osaka Hitoshi[1], Muramatsu Shin-ichi[5], Yamagata Takanori[1]
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 5.Department of Neurology, Jichi Medical University, Shimotsuke, Tochigi, Japan, 6.Center for Gene & Cell Therapy, The Institute of Medical Science, The University of Tokyo, Japan,

E-005 Nusinersen in infants with spinal muscular atrophy (SMA): design/interim results of the ENDEAR study

Saito Kayoko[1], Nancy Kuntz[2], Wildon Farwell[3], Zhenshao John Zhong[3], Peng Sun[3], Sarah Gheuens[3], Eugene Schneider[4], Richard Finkel（endear 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 Shohei[1], Ishiyama Akihiko[1], Takeshita Eri[1], Shimizu-motohashi Yuko[1], Saito Takashi[1], Komaki Hirofumi[1], Nakagawa Eiji[1], Sugai Kenji[1], Sasaki Masayuki[1]
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 Katsuhiro[1], Akiyama Tomoyuki[1], Oka Makio[1], Endoh Fumika[1], Yoshinaga Harumi[1]
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 Yoshiki[1], Sugai Kenji[1], Takeshita Eri[1], Motohashi Yuuko[1], Ishiyama Akihiko[1], Saito Takashi[1], Komaki Hirofumi[1], Nakagawa Eiji[1], Sasaki Masayuki[1]
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

Abiko Takahiro[1], Nakamura Kazuyuki[1], Yokoyama Jun-ichi[1], Abe Akiko[2], Shirahata Emi[3], Shiihara Takashi[4], Honma Tomomi[5], Ito Aiko[3], Kato Mitsuhiro[6], Mitsui Tetsuo[1]
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E-010 Febrile Seizure Treatment Assessment by Diazepam Therapy (Fstadt) study: A case-controlled study

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E-011 Age-related change in the efficacy of Intravenous benzodiazepines for infantile epileptic seizures

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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

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E-015 Cortical tubers-induceds epileptogenicity and its involvement in intravascular coagulation

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E-016 Long-term Developmental Outcome in Surgical Cases of Infantile Epileptic Encephalopathies

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E-017 Surgery outcome in patients with drug-resistant epilepsy and tuberous sclerosis complex

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E-018 Successful resection for an epilepsy child with focal cortical dysplasia and autoimmune encephalitis

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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.

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E-022 NLRP3 polymorphism as a risk of acute encephalopathy with febrile status epilepticus

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E-023 Hemiplegia and asymmetrical lesions in acute encephalopathy (AESD)

Sanefuji Masafumi[1,2], Lee Sooyoung[2,3], Torio Michiko[2], Ichimiya Yuko[2], Sakai Yasunari[2], Ishizaki Yoshito[2], Torisu Hiroyuki[2,4], Sasazuki Momoko[2], Akamine Satoshi[2], Ohga Shouichi[2]

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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

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E-027 Congenital Zika virus infection affects cerebral cortical development in mice

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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

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E-030 Saccadic eye movement compared to the scores of YGTSS-J, CY-BOCS, SCAS in Tourette Syndrome.

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E-031 A boy with myoclonus dystonia syndrome diagnosed by whole exome sequencing

Miyauchi Akihiko[1], Matsumoto Ayumi[1], Nagashima Masako[1], Monden Yukifumi[1], Oguro Noriko[2], Shintaku Haruo[3], Uchiyama Yuri[4], Nakashima Mitsuko[4], Matsumoto Naomichi[4], Osaka Hitoshi[1], Yamagata Takanori[1]

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E-032 Management of chorea in GNAO1 mutations: topiramate as a first-line treatment

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E-033 <I>SZT2</I> mutations cause a discernible disorder with developmental delay and dysmorphic corpus callosum

Nakamura Yuji[1], Togawa Yasuko[2], Okuno Yusuke[3], Muramatsu Hideki[3], Ieda Daisuke[1], Hori Ikumi[1], Negishi Yutaka[1], Hattori Ayako[1], Saitoh Shinji[1]

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E-034 MicroRNA analysis in dermal fibroblasts derived from Gorlin syndrome patients

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E-035 Germline MTOR mutation in a boy with Smith-Kingsmore syndrome showing hepatomegaly and hypoglycemia

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E-036 Correlation of intellectual and motor development in Fukuyama congenital muscular dystrophy

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E-037 A novel mutation in acid alpha-glucosidase gene in a pediatric case with late-onset Pompe disease

Ozasa Shiro[1], Kashiki Tomoko[1], Tachibana Hidekazu[1], Momosaki Ken[1], Nomura Keiko[1], Indo Yasuhiro[1], Kosuga Motomichi[4], Okuyama Torayuki[3], Komaki Hirofumi[2], Ogata Katsuhisa[5], Nakamura Kimitoshi[1]

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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

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E-040 Duchenne muscular dystrophy is short with high incidence of short stature in Dp71 deficiency group.

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E-041 Contributions of cognitive function and psychological variables to QoL in myotonic dystrophy type 1

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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

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E-044 A Comparison of clinical features among male siblings with neurodevelopmental disorders

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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

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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

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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

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E-053 First case report on West syndrome with a de novo <I>KCNQ3</I> mutation

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E-054 A practical proposal for the diagnosis and treatment of childhood migraine

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Oral Presentation

O-001 Coherence analysis of electroencephalography during the acute phase in AESD

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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

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O-004 Early prognostic factors in acute encephalopathy treated with targeted temperature management.

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O-005 Prognostic factors during early phase in acute encephalopathy with reduced subcortical diffusion

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O-006 Early predictive factors of developing AESD

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O-007 Risk factors of fatal acute encephalopathy

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O-008 evaluation of post hemispherotomy neurological function

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O-009 A case with epileptic encephalopathy and COL4A1 mutation, medicated by functional hemispherectomy

Hino-fukuyo Naomi[1,2], Kikuchi Atsuo[2], Iwasaki Masaki[3], Sato Yuko[2], Kubota Yuki[2], Kobayashi Tomoko[2], Nakayama Tojo[2], Haginoya Kazuhiro[2,4], Niihori Tetsuya[1,5], Aoki Yoko[1,5], Kure Shigeo[2]
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O-010 A case of hemifacial spasm treated with surgical treatment.

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O-011 Investigation of long-term result after VP shunt operation in childhood

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O-012 A case of spinal arteriovenous malformation with spontaneous occlusion after hemorrhage

Inoue Hirofumi[1], Hamano Hiroki[1,2], Hoshide Madoka[1], Matsushige Takeshi[1], Hasegawa Shunji[1], Nomura Sadahiro[3], Ishihara Hideyuki[3], Ohga Shouichi[4]
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O-013 Results of stereotactic radiofrequency thermocoagulation (SRT) for hypothalamic hamartomas

Shirozu Hiroshi[1], Masuda Hiroshi[1,2], Ito Yosuke[1,2], Nakayama Yoko[1,2], Higashijima Takefumi[1,2], Fukuda Masafumi[1,2], Kameyama Shigeki[1,2]
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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

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O-016 The relationship of Ray-Osterrith Complex Figure Test and writing accuracy

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O-017 Toddler neurodevelopment predict IQ at school age children with congenital heart disease

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O-018 The analysis of cases with right hemispatial neglect evaluating for WISC4, "Cancellation of figures"

Okada Masako[1,2], Kuki Ichiro[1], Nukui Megumi[1], Fukuoka Masataka[1], Kim Kiyohiro[1], Inoue Takeshi[1], Okazaki Shin[1], Kawawaki Hisashi[1], Konishi Kazuo[3]
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O-019 Suitability of cognitive scales for DS Japanese and their cognitive profile from observational study

Okamoto Nobuhiko[1], Ohashi Hirofumi[2], Tonoki Hidefumi[3], Kosaki Rika[4], Kurosawa Kenji[5], Ono Masae[6], Okada Norihiro[7], Kobayashi Yumi[7], Tamai Hiroshi[8]
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O-020 Autism spectrum with Down syndrome

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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

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O-023 Efficacy of interferon-β for myelin oligodendrocyte glycoprotein antibody-positive disorder.

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O-024 Prophylactic corticosteroid treatment and changes in titer of optic neuritis with anti-MOG antibody

Hashimoto Yuji[1], Takahashi Toshiyuki[3,4], Tanabe Yuzo[1,5], Kaneko Kimihiko[3], Atsumi Aki[2], Sassaki Hiroko[2], Wakayama Miki[2], Hoshino Akiko[2], Jibiki Toshiaki[1], Kanazawa Masaki[1], Terai Masaru[1]
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O-025 A Case of anti-MOG antibody positive ADEM clearly improved without high-dose steroid therapy

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O-026 Cognitive function of pediatric multiple sclerosis with anti MOG antibody

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O-027 Analysis of cerebrospinal cytokine profiles in pediatric inflammatory neurological diseases

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O-028 Our experience of ten children suspected of having acute visual disturbance

Nakai Rie[1], Nakajima Takeru[1], Hirano Aiko[1], Hayasi Ryouko[1], Ikeda Tae[1], Kimura Sadami[1], Mogami Yukiko[1], Yanagihara Keiko[1], Suzuki Yasuhiro[1], Hatukawa Yosiiti[2], Kaneko Hitohiko[3]
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O-029 The level of urinary titin of DMD patients is &gr;100-times higher than that of healthy control

Awano Hiroyuki[1], Matsumoto Masaaki[1], Nagai Masashi[1], Shirakawa Taku[2], Takasaki Teruaki[2], Maruyama Nobuhiro[3], Nabeshima Yoichi[4], Matsuo Masafumi[2], Iijima Kazumoto[1]
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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

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O-033 Characteristic of heart rate variability in Duchenne muscular dystrophy

Hattori Ayako[1], Hattori Ayako[1], Nakamura Yuji[1], Ieda Daisuke[1], Hori Ikumi[1], Negishi Yutaka[1], Motohashi Yuko[2], Komaki Hirofumi[2], Kuru Satoshi[3], Saitoh Shinji[1]

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O-034 Arm activity assessed by measuring accumulated "accelo-acceleration" in non-ambulatory DMD patients

Fujii Tatsuya[1], Kumada Tomohiro[1], Mori Mioko[1], Nozaki Akihito[1], Hiejima Ikuko[1], Shibata Minoru[1], Hayashi Anri[1], Inoue Kenji[1], Sasaki Saeko[1]

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O-035 De novo mutation in patients with developmental disorders identified through exome sequencing

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O-036 Questionnaire survey regarding genetic predisposition with siblings of handicapped person

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O-037 Pitfall of chromosomal microarray test

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O-038 Genetic testing system of fragile x syndrome and related disorders will be widely available in Japan

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O-039 Gross motor function in Rett syndrome: analysis from the Japanese database

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O-040 Analysis of the FCMD data from the database of Childhood Specific Chronic Diseases founded by MHLW

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O-041 Copy-number variation in Japanese autism spectrum disorder patients

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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 Yoshiko[1], Kamei Jun[2], Miyatake Satoko[3], Akasaka Manami[2], Koshimizu Eriko[3], Araya Nami[2], Minase Gaku[3], Matsumoto Naomichi[3], Kinoshita Taroh[1]
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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

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O-046 Mutations in MAGEL2 cause a novel imprinting disorder distinct from Prader-Willi syndrome

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O-047 Classification of uniparental iso-disomy to cause autosomal recessive disorders

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O-048 Neutritional assessment based on body composition analysis in Duchenne muscular dsytrophy

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O-049 Discussion of developmental disorders in children with DMD and BMD

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O-050 Complications of advanced Fukuyama congenital muscular dystrophy from a nationwide registry

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O-051 Modified Gross motor function measure for Fukuyama congenital muscular dystrophy

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O-052 Introduction of powered wheelchair to school life of Fukuyama congenital muscular dystrophy patients

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O-053 A Japanese nationwide survey on congenital myotonic dystrophy

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O-054 Long-term prognosis of children who are victims of child abuse

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O-055 Parent training technique by supporters improved abnormal behavior caused by maltreatment

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O-056 Relative life style factors for developmental disorder like characteristics in 5-aged children

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O-057 Two cases of weak eyesight boys with Developmental Coordination Disorder

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O-058 Evaluation of epilepsy and brain EEG findings in AD/HD.

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O-059 Evaluation of brain MRI findings in AD/HD.

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O-060 Combination therapy of methylphenidate and atomoxetine for AD / HD

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O-061 Clinical features of patients with traumatic head injury showing bright tree appearance

Takase Nanako[1], Igarashi Noboru[3], Taneichi Hiromichi[4], Ootuka Naoya[2], Yasukawa Kumi[1], Honda Takafumi[1], Hayashi Kitami[1], Hamada Hiromichi[1], Takanashi Jun-ichi[1]
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O-062 A case of HUS encephalopathy that responded well to Plasma exchange and Steroid pulse therapy

Mori Masayoshi[1,2], Okizuka You[2], Kitahara Hikaru[1], Nakata Ayumi[1], Matsuda Takuya[1], Oonishi Satoshi[2], Hashimura Yuuya[1], Hayashi Shinsaku[1], Uchiyama Takamichi[1], Utsunomiya Hidetugu[3], Minami Hirotaka[1]
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O-063 Prolonged febrile encephalitis with urinary retention and reversible splenial lesion

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O-064 A case of acute encephalopathy with acute leukemia.

Morishita Mutsumi[1], Hamano Shinichiro[1], Kubota Jun[1], Hiwatari Erika[1], Ikemoto Satoru[2], Matsuura Ryuki[1], Koichihara Reiko[2], Minamitani Motoyuki[2], Itabashi Toshikazu[3], Kou Katsuyoshi[3]

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O-065 AESD that cerebral edema progressed rapidly and prognosis was worse.

Moriyama Yoko[1], Takanashi Jun-ichi[1], Hayashi Kitami[1], Shirato Yuri[1], Yasukawa Kumi[1], Honda Takahumi[1], Watanabe Seiji[2], Kubota Masaya[3], Terashima Sora[3], Kitamura Taro[4], Fujita Yuji[5], Yamanama Gaku[6]

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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 Shino[1,2], Oguni Hirokazu[2], Otani Yui[2], Nishikawa Ai[2], Ito Susumu[2], Eto Kaoru[2], Nakazawa Tomoyuki[4], Nagata Satoru[2], Yamamoto Toshiyuki[3]

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O-068 Adaptation of the Japan Obstetric Compensation System for Cerebral Palsy was wider than expected

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O-069 Development of tools for sharing information to support home-cared SMID and their families

Higuchi Tsukasa[1,2], Makiuchi Akiko[1], Mitsuma Mariko[1], Hosokawa Akemi[1], Sugishita Akitaka[3], Mizuno Masaaki[3]

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O-070 Role of a recovery center for medically-dependent children in Osaka

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O-071 Role of a multidisciplinary respiratory rehabilitation clinic: A review of fatal cases

Murayama Keiko[1,2], Kaneko Tatsuyuki[3,6], Naoi Fumiko[3], Takahashi Nagahisa[1], Yamaguchi Naoto[1], Yui Takako[1], Kodama Mariko[4], Miyata Rie[5], Nakatani Katsutoshi[1], Nagase Mika[1], Yoneyama Akira[1], Kitazumi Eiji[1]

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O-072 Sequential changes in serum KL-6 level following gastrostomy or tracheal separation procedure.

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O-073 Energy expenditure using improved dilution method in severe motor and intellectual disabilities

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O-074 Three cases of Transverse Myelitis from different backgrounds.

Yamamoto Akiyo[1], Yoshikawa Yasushi[1], Kawamura Kentaro[1], Fukumura Shinobu[1] ,

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O-075 Clinical parameters associated with multiple sclerosis in pediatric acquired demyelinating syndromes

Takada Yui[1,2], Torisu Hiroyuki[1,3,4], Sakai Yasunari[1], Akamine Satoshi[1], Torio Michiko[1], Ishizaki Yoshito[1], Sanefuji Masafumi[1], Sasatsuki Momoko[1], Pediatric Immunoreactive Enchephalitis Reserch Group, Japan[4], Hara Toshiro[4], Takada Hidetoshi[1], Ohga Shoichi[1]

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O-076 A clinical study of childhood Guillain-Barre syndrome

Kim Kiyohiro[1], Kawawaki Hisashi[1], Fukuoka Masataka[1], Inoue Takeshi[1], Nukui Megumi[1], Kuki Ichiro[1], Okazaki Shin[1]
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O-077 Three cases of juvenile-onset generalized myasthenia gravis treated with thymectomy.

Kubota Jun[1,2], Hamano Shin-ichiro[1], Ikemoto Satoru[3], Matsuura Ryuki[1], Hiwatari Erika[1], Oba Atsuko[2], Koichihara Reiko[3], Minamitani Motoyuki[1]
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O-078 Epidemic viral myositis in 4 schoolchildren associated with Human Parechovirus Type3

Ishida Tomoya[1], Shirai Hroyuki[1,2], Toki Taira[2], Nonoda Yutaka[2], Iwasaki Toshiyuki[2], Nonoyama Masato[3], Ishii Masahiro[2]
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O-079 Investigation of inpatients with profound multiple disabilities having Helicobacter pylori infection

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O-080 Developmental profile and outcome of low birth weight babies

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O-081 Attention direction at 18 months is relevant to developmental outcomes of late preterm infants

Sawai Chihiro[1], Nishikura Noriko[1], Sakaue Yuko[1], Koike Yukari[1], Takeuchi Yoshihiro[1], Takeuchi Yoshihiro[1], Nakahara Sayuri[2], Yanagi Takahide[2], Koshida Shigeki[3]
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O-082 Longitudinal neurodevelopmental assessment at 18 and 36 months in very low birth weight infants

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O-083 Cognitive function & social development of very low-birth-weight infants at 18 months adjusted age.

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O-084 The caracteristics of the development of preterm low birth weight infants at three-year-old

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O-085 Novelty Preference of Low Birth Weight Infant In Infancy

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O-086 The impact of periventricular leukomalacia on cognitive function using WISC-IV profiles

Oono Yumiko[1], Matsui Shuji[1], Wada Keiko[1], Makino Michiko[1], Matsuda Mitsunobu[1], Akahoshi Keiko[1], Funahashi Masuko[1], Shiiki Toshihide[1]
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O-087 Correlation between brain tissue volume and developmental prognosis in preterm infants

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O-088 The relationship of development of ELBW infants at 12 months of corrected age and early school age

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O-089 Relationships between the reading times of school aged VLBWI and their preschool intelligence.

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O-090 A relationship between the reading difficulty in school-aged VLBWI and their preschool intelligence

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O-091 Visual perception of very-low-birth-weight children with learning difficulties

Fukui Miho[1], Hatanaka Mari[1], Mizuta Mekumi[2], Kurimoto Naoko[2], Takeshita Takashi[2], Okumura Tomohito[2], Shimakawa Shuichi[1], Wakamiya Eiji[3], Tamai Hiroshi[1]
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O-092 The cerebral bases of speech processing in preterm infants develop by their projected due dates

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O-093 Study on the development of VLBW and ELBW infants with a behavior observation and a questionnaire

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O-094 Developmental sex differences of extremely low birth weight infants

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O-095 Epilepsy in Very Low Birth Weight Infants: Based on the Neonatal Research Network of Japan

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O-096 Neurodevelopmental Outcome in Preterm Infants:An Observational Study in the Aichi Prefecture

Kidokoro Hiroyuki[1], Hayakawa Masahiro[1,2], Ohshiro Makoto[2], Kato Yuichi[2], Kohwaki Masanori[2], Sahashi Tuyoshi[2], Kato Takenori[2], Yamada Kyosei[2], Miyata Masashi[2], Imamine Hiroki[2], Ieda Kuniko[2], Yamamoto Hikaru[2], Hayashi Seiji[2], Muramatsu Kanji[2], Tanaka Taihei[2]
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O-097 Joubert syndrome and related disorders with congenital oculomotor apraxia and NPHP1 gene deletion

Katayama Nahoko[1], Urabe Ryosuke[1], Kamioka Tetsuharu[1], Kakimoto Yu[1], Takei Go[1], Terashima Hiroshi[1], Kubota Masaya[1], Kosaki Rika[2], Oka Akira[3]
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O-098 A novel SLC1A3 gene mutation in a case of episodic ataxia type 6.

Iwata Aya[1], Nigami Hiroyuki[1], Iwama Kazuhiro[2], Mizuguchi Tsuyoshi[2], Matsumoto Naomichi[2]
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O-099 A case of FOXG1 gene deletion with postnatal microcephaly, epilepsy and movement disorder

Endo Wakaba[1], Takezawa Yusuke[1], Okubo Yukimune[1], Inui Takehiko[1], Suzuki Sato[1], Miyabayashi Takuya[1], Togashi Noriko[1], Haginoya Kazuhiro[1]
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O-100 Two siblings case of paroxysmal kinesigenic dyskinesia with a novel truncation mutation of PRRT2

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O-101 A case of siblings with early infantile epilepsy due to hemiplegic PRRT2 gene mutation.

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O-102 Progressive encephalocrastic changes resembling hydrancephaly in <I>COL4A1</I>-related disorder

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O-103 TOE1 gene mutation cause pontocerebellar hypoplasia and disorders of sex development

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O-104 A patient with complex I deficiency who was responsive to coenzyme Q10

Nozaki Fumihito[1], Kumada Tomohiro[1], Shibata Minoru[1], Hayashi Annri[1], Hiejima Ikuko[1], Fujii Tatsuya[1], Mori Mioko[1], Sasaki Saeko[1], Inoue Kenji[1], Murayama Kei[2], Ohtake Akira[3]
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O-105 The clinical efficacy of chelators and zinc in the treatment of Wilson disease over the past decade.

Hoshino Hiroki[1], Konishi Hiroe[1], Ogawa Ayako[1], Shimizu Norikazu[1], Aoki Tsugutoshi[1]
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O-106 The sisters of Glut1-DS who were difficult to continue modified Atkins diet therapy

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O-107 Simultaneous measurement of monoamines and 5-methyltetrahydrofolate in the cerebrospinal fluid

Akiyama Tomoyuki[1], Hayashi Yumiko[1], Hanaoka Yoshiyuki[1], Shibata Takashi[1], Akiyama Mari[1], Nakamura Kazuyuki[2], Tsuyusaki Yu[3], Kubota Masaya[4], Tohyama Jun[5], Yoshinaga Harumi[1], Kobayashi Katsuhiro[1]
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O-108 A case of dihydrolipoamide dehydrogenase deficiency with elevated citrulline on newborn screening

Ono Hiroaki[1], Kawakita Rie[2], Nakamura Kimitoshi[3], Ohara Osamu[4], Fujiki Ryoji[4], Sasai Hideo[5], Fukao Toshiyuki[5], Yuasa Miori[6], Shigematsu Yosuke[6]
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O-109 Long term follow up of enzyme replacement therapy in a female case.

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O-110 A case of Morquio A syndrome with severe tracheal deformation

Fujii Yuji[1,2], Tani Hiroto[2], Kobayashi Yoshiyuki[2], Ishikawa Nobutune[2], Hyodo Sumio[1], Kobayashi Masao[2]
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O-111 Novel therapy with HPGCD as a potential treatment for Niemann-Pick Disease Type C.

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O-112 Characteristics of paroxysmal symptoms of 2 cases with type 2 Gaucher disease.

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O-113 First Japanese variant of late infantile neuronal ceroid lipofuscinosis caused by the <I>CLN6</I> mutations

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O-114 Ceroid lipofuscinosis TypeI&II: Clinical Features and High Risk Screening by Dry Blood Spots(DBS)

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O-115 Siblings of peroxisomal biogenesis disorders with cerebellar ataxia caused by PEX10 gene mutation

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O-116 A neonate treated with everolimus for the massive rhabdomyoma in three days old

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O-117 Transition of adult patients with tuberous sclerosis in children's hospital

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O-118 Long-term outcome of epilepsy associated with tuberous sclerosis complex

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O-119 Clinical significance of sleep-related minor motor events in 3 patients with frontal lobe epilepsy

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O-120 The cortical responsiveness for word-listening task in children with Rolandic epilepsy

Kagitani-shimono Kuriko[1,2,3], Aoki Shyou[2], Kato Youko[2], Hanaie Ryuzou[2], Matsuzaki Jyunko[2], Tanigawa Jyunpei[1], Iwatani Yoshiko[1,2,3], Azuma Jyunji[4], Tominaga Kouji[1,2,3], Nabatame Shin[1,3], Mohri Ikuko[1,2], Taniike Masako[1,2], Ozono Keiichi[1,3]

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O-121 The implementation status of portable electroencephalogram examination and its usefulness

Sei Kenshi[1], Ikeda Azusa[1], Takashima Tumiko[1], Tuyusaki Yu[1], Ichikawa Kazushi[1], Tuji Megumi[1], Iai Mizue[1], Yamashita Sumimasa[1], Goto Tomohide[1]

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O-122 Neurodevelopmental Outcome in Shuffling Babies

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O-123 6-month-old infants'inability to push-up in the prone position and subsequent developmental delay.

Senju Ayako[1,2], Shimono Masayuki[2], Tsuji Mayumi[3], Ishii Masahiro[2], Fukuda Tomofumi[2], Matsuda Yumeko[2], Igarashi Ryota[2], Kawamoto Toshihiro[3], Kusuhara Koichi[2]

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O-124 Developmental change of motor function analyzed with 3D motion capture system and use of iOS device.

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O-125 An imaging study of Pelizaeus-Merzbacher disease using Integrative Brain Imaging Support System

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O-126 Structural Network Analysis with a Graph Theory in Children with Localization-related Epilepsy.

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O-127 DTI findings before and after hematopoietic stem cell transplantation to reveal white matter damage

Sakaguchi Yoko[1], Tanaka Masaharu[1], Okai Yu[1], Ito Yuji[1], Yamamoto Hiroyuki[1], Ono Atsuko[1], Nakata Tomohiko[1], Kidokoro Hiroyuki[1], Takahashi Yoshiyuki[1], Natsume Jun[1,2]
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O-128 Development of the human lateral geniculate nucleus: A computerized 3D-reconstruction study

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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 hypersomnia in childhood

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O-136 Two cases of narcolepsy with characteristic cataplexy recorded by long-term video EEG

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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

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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 reflactory epilepsy With onset in childhood or adolescent

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O-141 Methyl-prednisolone pulse therapy for patients with refractory epilepsy

Kimizu Tomokazu[1], Takahashi Yukitoshi[1], Oboshi Taikan[1], Horino Asako[1], Omatu Hirowo[1], Koike Takayoshi[1], Yoshitomi Shinsaku[1], Yamaguchi Tokito[1], Ikeda Hiroko[1], Imai Katsumi[1], Shigematsu Hideo[1], Inoue Yushi[1]

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O-142 West syndrome NHO-Japan 342 ACTH cases study: adverse effects of the initial ACTH therapy

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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

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O-149 Epidemiology of acute childhood encephalopathy at Shizuoka Children's Hospital, 2011-2016

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O-150 Electroencephalographic monitoring during hypothermia for pediatric acute encephalopathy

Ohno Atsuko[1], Tanaka Masahiro[1], Okai Yu[1], Sakaguchi Yoko[1], Itou Yuji[1], Yamamoto Hiroyuki[1], Nakata Tomohiko[1], Kidokoro Hiroyuki[1], Numaguchi Atsushi[2], Negoro Tamiko[1], Watanabe Kazuyoshi[1], Natsume Jun[1,3]

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O-151 The efficacy of long time EEG recordings for Posterior Reversible Enceipharopaty 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 comparision of sizure in acute encephalopathy and febrile seizure with rotavirus infection

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O-154 Characterization of cytokine/chemokine profiles of HSES

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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.

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O-159 An infant case with diffuse cerebrospinal lesion and cardiomyopathy caused by BOLA3 gene mutation

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O-160 A novel missense mutation in a patient with Larsen syndrome

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O-161 A patient with uniparental disomy of chromosome 1 with symptoms similar to 1p36 deletion syndrome

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O-162 Long-term survival female case with thanatopholic dysplasia type1

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O-163 Two patients with MPPH syndrome associated with infantile spasms

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O-164 Seizure frequency is associated with frontal lobe dysfunction in children with frontal lobe epilepsy

Kanemura Hideaki[1], Sano Fumikazu[1], Ohyama Tetsuo[1], Aoyagi Kakuro[1], Hosaka Hiromi[1], Sugita Kanji[1], Aihara Masao[2]
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O-165 Effects of the guidlines on febrile seizures about diazepam suppository

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O-166 Estimation of frontal lobe absence with ADHD

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O-167 A case series of 45 children referred to pediatric neurology with transient loss of consciousness

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O-168 Current situation and issues in management of epileptic seizure at regular school in Japan

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O-169 Episodic involantary movements in SMID

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O-170 A case of constraint induced movement therapy for hemiplegia due to MCA infarction

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O-171 Intrathecal baclofen therapy for the treatment of spasticity in six cases with severe cerebral palsy

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O-172 Adverse effects of botulinum toxin treatment for opisthotonus

Nezu Atsuo[1], Arai Hidee[1], Karasawa Kumiko[1], Kaneko Kaori[1], Chikumaru Yuri[1], Kurosawa Makiko[1], Masuda Yuka[1], Okuda Mitsuko[1], Yuguti Jiu[1]
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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

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O-175 Analysis of children with home medical care in Saitama Prefecture

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O-176 New criteria for amplitude-integrated EEG maturation in preterm infants

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O-177 The characteristics of General Movements in prone position

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O-178 The utility of neonatal MRI for prediction of outcome with neonatal Hypoxic-Ischemic Encephalopathy

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O-179 A case of Benign Neonatal Sleep Myoclonus

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O-180 Earlier physical therapist intervention may improve the mental development of ELBW infant

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O-181 Impact of postnatal corticosteroid use on neurodevelopment at 18 months'corrected age

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O-182 Antipsychotic prescription for mentally handicapped children

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O-183 The investigation of 24 children with developmental disorder who had significant improvement in IQ

Matsufuji Hironori[1], Emi Sakie[1], Ishikawa Naoko[1,2], Isumi Hiroshi[1], Sugio Yoko[1], Ichiyama Takashi[1], Sugio Yoshitsugu[1]
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O-184 Effect of Medical Intervention on Daily Life in Children with Autism Spectrum Disorder

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O-185 Characterization of sensory processing functions of infant/toddler with developmental disorder

Maeyama Kaori[1], Takagi Yasuko[2], Yoshioka Mieko[2], Kato Takeshi[3], Mizobuchi Masami[4], Kitayama Shinji[5], Takada Satoshi[6], Bo Ryosuke[1], Tomioka Kazumi[1], Nishiyama Masahiro[1], Awano Hiroyuki[1], Nagase Hiroaki[1], Iijima Kazumoto[1], Nishimura Noriyuki[1],
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O-186 Evaluation of developmentally disturbed children using the Sensory Profile translated into Japanese

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O-187 The acquisition of vocabulary in Japanese children with Williams syndrome

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O-188 A case of LMNA related congenital muscular dystrophy with dropped head

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O-189 Two closely spaced mutations on same allele of the COL6A3 gene results in autosomal dominant UCMD

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O-190 Usefulness of cardiomagnetic resonance imaging in a patient with Emery-Dreifuss muscular dystrophy

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O-191 The clinical features of Type 1 fiber predominance in children

Ueda Riyo[1], Ishiyama Akihiko[1,2], Inoue Michio[1,2], Takeshita Eri[1], Motohashi Yuko[1], Saito Takashi[1], Komaki Hirohumi[1], Nakagawa Eiji[1], Sugai Kenji[1], Sasaki Masayuki[1], Nishikawa Atsuko[2], Nishino Ichizo[2]

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O-192 Peliosis hepatis in myotubular myopathy without abnormal ultrasound findings

Fukasawa Tatsuya[1], Shiraki Anna[1], Narahara Sho[1], Kubota Tetsuo[1], Negoro Tamiko[1,2]

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O-193 The clinical course and treatment approach in 2 patients with congenital myasthenic syndrome

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O-194 High carbohydrate frequent meals and ketogenic diet for glycogen storage disease 3

Fukuda Tokiko[1], Matsubayashi Tomoko[1], Hiraide Takuya[1], Hayashi Taijyu[1], Urushibata Rei[1], Sugie Hideo[2]

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Poster Presentation

P-001 Usefulness of pyruvate therapy for MELAS/Leigh overlap syndrome: a case report

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P-002 A case of Leigh encephalopathy due to ND6 gene mutation with a relatively mild clinical course

Eto Kaoru[1], Ito Yasushi[1], Matsubara Ken[1], Murakami Terumi[1], Ishigaki Keiko[1], Murayama Kei[2], Ootake Akira[3], Oguni Hirokazu[1], Nagata Satoru[1]
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P-003 A girl with psychomotor regression and lactic acidemia with a mitochondrial DNA mutation m.9204delAT

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P-004 Two siblings with lethal infantile mitochondrial disease due to Coenzyme Q4 mutations.

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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 Atsushi[1], Maiduru Kanako[1], Nakata Masatoshi[1], Saitoh Keiko[1], Yoshida Takeshi[1], Awaya Tomonari[1,2], Higaki Katsumi[3], Nanba Eiji[3]
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P-008 Two-year treatment of early infantile Niemann-Pick disease C with miglustat and intrathecal HPBCD

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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 leukoencephalopathy and dystonia in a patient with PGK deficiency in adolescence

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P-011 Two cases of adrenoleukodystrophy.

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P-012 Investigation of alkaline phosphatase levels in inherited glycosylphosphatidylinositol deficiency

Tominaga Koji[1,2,3], Tanigawa Junnpei[1,3], Yamashita Tomoyo[1,3], Hirotune Mika[1,3], Watanabe Akito[1,3], Iwatani Yoshiko[1,2,3], Shimono Kuriko[1,2,3], Nabatame Shin[1,3], Murakami Yoshiko[4], Kinoshita Tarou[4], Ozono Keiichi[1,3]

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P-013 Plasmapheresis is effective for the boy with anti-MOG positive neuromyelitis optica

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P-014 A case of neuromyelitis optica with successive treatment by immunoadsorption therapy

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P-015 Anti-MOG antibody positive optic neuritis accompanying type 1 diabetes during steroid pulse therapy

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P-016 Effect of steroid for multiple sclerosis patient with myelin oligodendrocyte glycoprotein antibodies

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P-017 A case of MOG antibody positive disease diagnosed after follow-up as multiple sclerosis for 8 years

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P-018 Analysis of cytotoxicity of anti-MOG autoantibody.

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P-019 Bacterial meningitis experienced at our hospital after introduction of pneumococcal and Hib vaccine

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P-020 The case of early infantile meningitis that needed surgical intervention

Hayashi Taiju[1], Urushibata Rei[1], Hiraide Takuya[1], Matsubayashi Tomoko[1], Fukuda Tokiko[1], Oishi Akira[2], Baba Toru[2], Koizumi Shinitiro[3], Tokuyama Tsutomu[3]

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P-021 Aseptic meningitis with abducens paresis caused by Mycoplasma pneumoniae in a 13-year-old girl

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P-022 Hearing impairment and developmental delay of case series with congenital cytomegalovirus infection

Takenaka Satoshi[1], Kasai Mariko[1], Mizuno Yoko[2], Ohta Sayaka[1], Shimoda Konomi[1], Sato Atsushi[1], Tsuchida Shinya[1], Mizuguchi Masashi[3], Oka Akira[1]

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P-023 A case of infantile botulism presenting as ketotic hypoglycemia

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P-024 Analysis of serum cytokine and chemokine profiles in childhood-onset ocular myasthenia gravis

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P-025 Clinical course of five patients with pediatric ocular myasthenia gravis remissioned by tacrolimus.

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P-026 Short-term efficacy of perampanel therapy in children with intractable epilepsy

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P-027 Efficacy and safety of perampanel with various epilepsy syndromes

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P-028 Therapeutic effect and side effect of perampanel

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P-029 A single case report on effectiveness of Perampanel on refractory epilepsy

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P-030 A case of SSADH deficiency , Lamotorigine was effective for myoclonic seizures

Yamaguchi Tokito[1], Tsuusaki Yuu[2], Ooboshi Taikann[1], Kimizu Tomokazu[1], Horino Asako[1], Yoshitomi Shinsaku[1], Oomatsu Hirowo[1], Koike Takayoshi[1], Ootani Hideyuki[1], Ikeda Hiroko[1], Imai Katsumi[1], Shigematsu Hideo[1], Takahashi Yukitoshi[1], Inoue Yushi[1],
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P-031 A case of sick sinus syndrome caused by lamotrigine

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P-032 Clinical features of surgical cases of temporal lobe epilepsy in children

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P-033 The important factor for indication of epilepsy surgery in childhood patients

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P-034 Two cases of epileptic spasms persisted to school age and adolescence

Inoue Takeshi[1], Kawawaki Hisashi[1], Fukuoka Masataka[1], Kim Kiyohiro[1], Nukui Megumi[1], Kuki Ichiro[1], Okazaki Shin[1], Nishijima Shugo[2], Kunihiro Noritsugu[2], Uda Takehiro[2,3], Matsuzaka Yasuhiro[2], Shimotake Akihiro[4], Kunieda Takeharu[5,6]
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P-035 Clinical features and surgical outcomes in children with focal cortical dysplasia type II

Komatsubara Takao[1], Houjou Moemi[1], Magara Shinichi[1], Kobayashi Yu[1], Touyama Jun[1], Hasegawa Naoya[2], Shirozu Hiroshi[3], Masuda Hiroshi[3], Hukuda Masashi[3]
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P-036 Resective surgery for drug-resistant epilepsy with ulegyria secondary to perinatal injury

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P-037 Optimal time for callosotomy in patients with intractable epilepsy

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P-038 Three cases with recurrent febrile and afebrile seizures successfully controlled by Levetiracetam

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P-039 Successful treatment of intravenous levetiracetam for partial status epilepticus

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P-040 Levetiracetam is effective in the treatment of epilepsia partialis continua; a case study

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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.

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P-043 Experience from our hospital of intravenous levetiracetam in acute repeeated seizures

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P-044 Report on cases in which levetiracetam monotherapy failed

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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

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P-048 Study about treatment and driver's license for high school students and older with epilepsy.

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P-049 Study on plasma levels of homocysteine including dietary intakes of B-Vitamin in epileptic patients

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P-050 A study of clinical features of patients in epilepsy who show lower chloride concentration in CSF.

Horino Asako[1], Takahashi Yukitoshi[1], Oboshi Taikan[1], Kimizu Tomokazu[1], Koike Takayoshi[1], Yoshitomi Shinsaku[1], Yamaguchi Tokito[1], Otani Hideyuki[1], Ikeda Hiroko[1], Imai Katsumi[1], Shigematsu Hideo[1], Inoue Yousi[1]
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P-051 Two cases of fulminant acute disseminated encephalomyelitis (ADEM) in our hospital

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P-052 A case of ADEM with anti-MOG antibody: significance of determining anti-MOG antibody.

Kawaguchi Tadayasu[1], Kasuga Yuki[1], Kimura Kaori[1], Kubota Sonoko[1], Momoki Emiko[1], Kawamura Yuki[1], Ishii Wakako[1], Fukuda Ayumi[1], Fuchigami Tatsuo[1], Fujita Yukihiko[1], Takahashi Shori[1], Kaneko Kimihiko[2], Takahashi Toshiyuki[2]
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P-053 A case of multiphasic acute disseminated encephalomyelitis treated with gamma globulin therapy

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P-054 A case of acute disseminated encephalomyelitis presenting with large cystic lesions in acute period

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P-055 Two cases of Rasmussen syndrome showing different clinical course regarding steroids treatment

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P-056 A young pediatric case of Rasmussen syndrome with an unusual clinical course

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P-057 A patient with acute encephalopathy with biphasic reduced diffusions

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P-058 Abnormal eye movement as the initial symptom in a child with Post vaccination Encephalitis

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P-059 A case of MERS with concurrent cerebellitis associated with influenza A infection

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P-060 A case of mild limbic encephalitis associated with influenza type A

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P-061 A case of neonatal human parechovirus encephalitis

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P-062 A Case of hemolytic uremic syndrome with encephalopathy due to Siga-toxin-producing Escherichia coli

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P-063 Two Cases of Contrastive Course of Acute Cerebellitis

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P-064 A case of acute encephalitis with refractory repetitive partial seizures successfully controlled

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P-065 A case of vanishing white matter disease complicated by fatty liver

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P-066 A case of weekly progressive leukoencephalopathy suggesting vanishing white matter disease

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P-067 A case of PolIII-related leukodystrophy developing acute disseminated encephalomyelitis

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P-068 Cerebrospinal fluid levels of phosphorylated neurofilament H in a patient with BPAN: a case report

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P-069 A case of TUBB4A-associated unclassifiable hypomyelinating leukoencephalopathy

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P-070 A case of hereditary spastic paraplegia with a mutation in HSPD1

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P-071 A case of Leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation

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P-072 Clinical characteristics of patients with cerebellar atrophy.

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P-073 A case of complicated concurrent oscillations of eyes and head developed in early childhood

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P-074 Comprehensive targeted sequencing in ataxia telangiectasia like phenotype.

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P-075 Genetic evaluation of patients with intellectual disability using CMA and NGS at the "ID clinic"

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

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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.

Yamauchi Yuko[1,2], Saito Kazuyo[3], Yuguchi Jiu[4], Haraguchi Mitsuyo[1], Hashimoto Keiji[2]

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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

Kanai Sotaro[1], Okanishi Tohru[1], Yoshida Michiko[2], Chiyonobu Tomohiro[2], Yokota Takuya[1], Fujimoto Ayataka[3], Nakashima Mitsuko[4], Itomi Kazuya[5], Enoki Hideo[1], Yamamoto Takamichi[3], Kato Mitsuhiro[6], Naomichi Matsumoto[4]

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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 epileptics 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

Nakamura Yasuko[1], Matsumoto Hiroshi[1], Zaha Kiyotaka[1], Uematu Kenji[1] ,
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P-089 A 5-year-old boy presenting macrocephaly and intellectual disability with de novo mutation of <I>PTEN</I>

Matsumoto Ayumi[1], Osaka Hitoshi[1], Kitahara Nozomu[3], Imagawa Eri[2], Miyake Noriko[2], Matsumoto Naomichi[2], Yamagata Takanori[1]
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P-090 A case of 4H syndrome confirmed by whole exome sequencing

Chihiro Abe[1,2], Umemura Ayako[1], Maki Yuki[1], Kurahashi Naoko[1], Yamada Keitaro[1], Maruyama Koichi[1], Aso Kosaburo[1], Saitsu Hirotomo[3]
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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 microcephaly and chorioretinopathy

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P-093 A cace 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

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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

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P-097 Effective management of acute noninvasive positive pressure ventilation in bedridden people

Hiejima Ikuko[1], Kumada Tomohiro[1], Inoue Kenji[1], Shibata Minoru[1], Nozaki Humihito[1], Hayashi Anri[1], Mori Mioko[1], Sasaki Saeko[1], Hujii Tatuya[1]
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P-098 A survey of severely multiple handicapped persons who were introduced home mechanical ventilation

Maki Yuki[1], Abe Chihiro[1], Kurahashi Naoko[1], Yamada Keitaro[1], Maruyama Koichi[1], Aso Kosaburo[2]
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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

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P-101 Tracheostomy and laryngotracheal separation in our department

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P-102 Tardive complications after laryngotracheal separation in sever motor and intellectual disabilities

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P-103 The researh in tracheal cannula free after laryngotracheal separation

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P-104 The long clinical outcome of Surgical Closure of the Larynx in persons with SMID

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P-105 Laryngo-tracheal separation for home-care patients with severe motor and intellectual disabilities.

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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

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P-108 Psychometric properties and population-based score distributions of the JSQ-ES

Kuwada Ayano[1], Mitsuboshi Takashi[1], Kato Kumi[2], Hirata Ikuko[1,3], Shimono Kuriko[1,3], Nakanishi Mariko[1,3], Tachibana Masaya[1,3], Matsuzawa Shigeyuki[1,3], Asano Ryosuke[4], Ohno Yuko[5], Tniike Masako[1,3], Mohri Ikuko[1,3]
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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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P-110 Combination therapy with ramelteon and suvorexant for sleep disorer on neurodevelopmental disorders

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P-111 A Case of Circadian rhythm sleep disorder (Delayed sleep phase disorder) treated with Ramelteon

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P-112 A case of Kleine-Levin Syndrome with antibodies to NMDA-type GluR(ELISA)

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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 Yuki[1], Hoshino Kyoko[1], Nagao Yuri[1], Kimura Kazue[1], Hayashi Masaharu[1]
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P-116 A high-school girl who recovered from psychosomatic symptoms after changing her given name.

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P-117 A growth pattern in early onset eating disorders with intensive nutritional care

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P-118 A Clinical Survey of 87 Hospitalized Children Requiring Psychological Intervention

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P-119 A case of Tolosa-Hunt syndrome

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P-120 Disease modifying therapy with glatiramer acetate in a pediatric case of multiple sclerosis.

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P-121 Subcutaneous immunoglobulin therapy improved QOL in a patient with opsoclonus-myoclonus syndrome

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P-122 A case of opsoclonus-myoclonus syndrome associated with sleep-related laryngeal stridor

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P-123 A boy with opsoclonus myoclonus syndrome who responds to dexamethadone pulse and rituximab treatment

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P-124 Successful steroid pulse therapy in cerebellar ataxia

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P-125 Childhood arterial ischaemic stroke incidence in Aich prefecture

Tsuji Takeshi[1], Kataoka Erina[2], Ueda Kazuto[2], Hori Ikumi[3], Miyake Misa[4], Suzuki Michio[2], Kobayashi Satoru[3], Kurahashi Hirokazu[5], Natsume Jun[2]
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P-126 22 caces of Arteriovenous Malformation with cerebral hemorrhage

Uchida Tomoko[1,2], Ehara Michiyo[1], Tanabe Ryo[1], Nagasawa Kasumi[1], Ishii Mitsuko[1]
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P-127 Four cases of cerebral infarction due to minor head trauma suspected of mineralizing angiopathy.

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P-128 De novo RNF213 mutation causes suspected Nakajyo-Nishimura syndrome with quasi-moyamoya disease

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P-129 Successful prevention of stroke by anti-TNF therapy in 3 cases with adenosine deaminase 2 deficiency

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P-130 Two cases of spinal cord infarction caused by minor trauma

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P-131 An Infant Case of Spinal AVM Succeessfully Treated with Intensive Care and Endovascular Surgery

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P-132 Recurrent syncope during crying gives a clue to the diagnosis of Moyamoya disease

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P-133 Two cases of cerebral infarction caused by central nervous system vasculitis in children.

Kimura Kaori[1], Kasuga Yuki[1], Kawaguchi Tadayasu[1], Kubota Sonoko[1], Momoki Emiko[1], Kawamura Yuki[1], Ishii Wakako[1], Fukuda Ayumi[1], Fujita Yukihiko[2], Fuchigami Tatsuo[1], Inamo Yasuji[1], Takahashi Shori[1]
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P-134 Two cases of reversible cerebral vasoconstriction syndrome

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P-135 Therapy of low dose levodopa in pediatric restless leg syndrome

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P-136 Five cases of breath-holding spell and Tic treated effectively with Kanbaku-taiso-to

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P-137 A intractable case of paroxysmal dyskinesia in a 3-year-old boy

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P-138 Brothers of the Infantile Bilateral Striatal Necrosis

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P-139 A girl who was suspected Hashimoto encephalopathy,with an involumtary movement.

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P-140 ER stress response in Marinesco-Sjogren syndrome derived cell line and a new therapeutic approach.

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P-141 A case of juvenile muscular atrophy of distal upper extremity occurring in the course of swing tic.

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P-142 A case of congenital neuromuscular disease with uniform type 1 fiber.

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P-143 A patient of MELAS with diabetes coma(hyperglycemic hyperosmolar) death

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P-144 Features of muscle images in limb-girdle muscular dystrophy 2A using database

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P-145 Clinical study of cardiac function and treatment in Duchenne muscular dystrophy

Yamamoto Hisako[1], Komaki Hirofumi[1], Takeshita Eri[1], Motohashi Yuko[1], Ishiyama Akihiko[1], Saito Takashi[1], Nakagawa Eiji[1], Sugai Kenji[1], Segawa Kazuhiko[2], Sasaki Masayuki[1]
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P-146 Mental development and developmental disorder in Duchenne muscular dystrophy

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P-147 A design of the quantitative evaluation method for cognitive impairment in mdx mouse.

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P-148 Three cases of congenital myotonic dystrophy with prolonged respiratory failure

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P-149 Effects of a dynamic spinal brace on lung function and position in SMA type 2 children.

Yonee Chihiro[1], Matsui Ayano[2], Ishiyama Akihiko[1], Komaki Hirofumi[1], Yajima Hiroyuki[1], Iwata Yasuyuki[3], Takeshita Eri[1], Motohashi Yuko[1], Saito Takashi[1], Nakagawa Eiji[1], Sugai Kenji[1], Sasaki Masayuki[1]

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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

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P-154 Microglial VNUT contribute to epileptogenesis including astrogliosis after status epilepticus

Sano Fumikazu[1,2], Shigetomi Eiji[1], Koizumi Schuichi[1], Kanemura Hideaki[2], Ikenaka Kazuhiro[3], Kenji F Tanaka[4], Sugita Kanji[2], Aihara Masao[2]

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P-155 A case of focal cortical dysplasia manifested AESD-like MRI finding

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P-156 Assessment of higher brain function in an Aicardi syndrome.

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P-157 Transsphenoidal meningoencephalocele with profound cortical malformation and midface hypoplasia

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P-158 Management of spasticity and dystonia in holoprosencephaly

Ikeda Azusa[1], Sei Kenshi[1], Takashima Yumiko[1], Tsuyusaki Yu[1], Ichikawa Kazushi[1], Tsuji Megumi[1], Iai Mizue[1], Yamashita Sumimasa[1], Goto Tomohide[1]

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P-159 A case of semilober 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.

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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)

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P-164 Five cases with mutation of WDR45

Oboshi Taikan[1], Takahashi Yukitoshi[1], Omatu Yasuo[1], Koike Takayosi[1], Horino Asako[1], Kimizu Yuichi[1], Yamaguchi Tokito[1], Ikeda Hirok[1], Otani Hidenori[1], Imai Katumi[1], Shigematu Hideo[1], Inoue Yusi[1], Katou Mituhiro[2]
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P-165 A case of epileptic encephalopathy with STXBP1 gene mutation successfully treated with PB.

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P-166 Fatal akute encephalopathy in a boy whith inherited GPI deficiency (PIGN)

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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 Kanako[1], Kondou Kawai[1], Harada Daisuke[1], Izui Masahum[1], Nagamatu Yuiko[1], Kashiwagi Hiroko[1], Yamamuro Miho[1], Ishiura Yoshihito[3], Nanba Noriyuki[1], Okamoto Nobuhiko[2], Tagawa Tetuzou[4]
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P-169 A case of Marfan syndrome with slowly progressing course and severe intellectual disability

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P-170 Temple syndrome; a sporadic and non-medical-interventional adult case

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P-171 Periventricular nodular heterotopia and connective tissue anomalies associated with a FLNA mutation

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P-172 A case of MECP2 Duplication Syndrome with IgA-IgG2 deficiency and atrophy of the cerebellar vermis

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P-173 Duplication of the Xq21.1 in two male siblings with neurodegeneration with brain iron accumulation

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P-174 A 3-year-old boy with Schinzel-Giedion syndrome complicated by Juvenile myelomonocytic leukemia.

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P-175 A case of Nicolaides-Baraitser syndrome with mutation of SMARCA2 gene by whole exome analysis.

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P-176 An autopsy case with polymicrogyria, fibular defect, odd looking face, and chondrodysplasia punctata

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P-177 A novel mutation of TBL1XR1 in individual with autism spectrum disorder and facial dysmorphism

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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 Kosuke[1], Torio Michiko[1], Sakai Yasunari[1], Kuga Daisuke[2], Sasatuki Momoko[1], Ishizaki Yoshito[1], Sanefuji Masafumi[3], Torisu Hiroyuki[1], Takada Hidetoshi[1], Ooga Shoichi[1]

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P-180 Cyclic Vomiting Syndrome Associated with Migraine in Three Cases of CHARGE Syndrome

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P-181 Cytokine assay of migraine-like attacks in a child with Sturge-Weber Syndrome

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P-182 Situational syncope in a child diagnosed with and treated for epilepsy

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P-183 Remission of refractory epilepsy after tuber resection in infancy in tuberous sclerosis complex.

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P-184 Efficacy of vigabatrin for tuberous sclerosis complex with epileptic spasms or/and partial seizure

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P-185 Orthodontia was effective for the oral function of the patinets with xeroderma pigmentosum group A.

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P-186 Effectiveness of susceptibility-weighted imaging of Sturge-Weber syndrome with low-dose aspirin

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P-187 Hypomelanosis of Ito with Chromosomal Abnormality and West syndrome ; Report of a Female Case

Sano Nozomi[1], Yonee Chihiro[1], Tsuru Hisashi[1], Matsufuji Mayumi[1], Sameshima Kiyoko[1], Arisato Takayo[2], Ikeda Toshiro[2], Maruyama Shinsuke[3]

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P-188 PHACE syndrome with pachygyria

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P-189 Classification and clinical feature of chronic inflammatory demyelinating polyneuropathy in children

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P-190 Three cases of axonal Charcot-Marie-Tooth disease diagnosed by genetic screening

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P-191 Two cases of Acute autonomic and sensory neuropathy

Kakimoto Yu[1], Urabe Ryosuke[1], Katayama Nahoko[1], Kamioka Tetsuharu[1], Takei Go[1], Yakuwa Akiko[1], Kumagai Tadayuki[1], Takenaka Satoshi[1], Terashima Hiroshi[1], Kubota Masaya[1], Nakane Shunya[2]

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P-192 A case of Miller Fisher syndrome with consciousness alteration as seen in brainstem encephalitis.

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P-193 Intramedullary T2-hyperintense lesion in a 13-year-old girl with acute motor axonal neuropathy

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P-194 Serial MRI findings of brainstem radiation necrosis in a patient after cerebellar tumor treatment

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P-195 Brain MRI (T2WI) analysis by Image J software in a girl with BPAN

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P-196 Five cases of basal ganglia calcification in childhood

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P-197 4 cases of Chiari I malformation with sleep apnea syndrome

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P-198 Rapidly progressive Idiopathic Hypertrophic Pachymeningitis in a girl

Tsuchida Kosuke[1], Fukumura Shinobu[1], Kawamura Kentaro[1], Yamamoto Akiyo[1], Yoto Yuko[1], Tsutsumi Hiroyuki[1], Akiyama Yukinori[2], Mikuni Nobuhiro[2], Hirano Hiroshi[3], Ito Yumika[3], Kikuchi Noriaki[3], Hasegawa Tadashi[3]
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P-199 Two pediatric cases of hemispheric brain atrophy after acute subdural hematoma

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P-200 Evaluation of airway disease in psychomotor retardation by laryngo-bronchoscopy

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P-201 The focality and propagation diagnosis using dipole distribution analysis of magnetoencephalography

Yamamoto Hiroyuki[1], Hoshiyama Minoru[2], Shiraishi Hideaki[3], Okanishi Toru[4], Maesawa Satoshi[2,5], Tanaka Masaharu[1], Sakaguchi Yoko[1], Okai Yu[1], Ito Yuji[1], Ohno Atsuko[1], Nakata Tomohiko[1], Kidokoro Hiroyuki[1], Natsume Jun[1,6]
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P-202 Relationships between high-frequency oscillations in MEG and the epileptic focus

Iwatani Yoshiko[1,2,4], Shimono Kuriko[1,2,4], Hirostune Mika[1,4], Yamashita Tomoyo[1,4], Watanabe Akito[1,4], Tanigawa Junpei[1,4], Tominaga Kouji[1,2,4], Nabatame Shin[1,4], Oshino Satoru[3,4], Kishima Haruhiko[3,4], Ozono Keiichi[1,4]
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P-203 A case of abdominal functional myoclonus analyzed by MRCP (movement related cortical potentials)

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P-204 A case of congenital trigeminal anesthesia which recognized improvement of blink reflex.

Watanabe Mio[1], Hazama Kyoko[1], Dowa Yuri[1], Shihara Takashi[1] ,
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P-205 Causes of detachment of adhered electrodes during on long time EEGs

Okamoto Kentaro[1], Fukuda Mitsumasa[1], Jogamoto Toshihiro[1], Mizumoto Manami[1], Ishii Eiichi[1]
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P-206 Maltreatment of disabled children with special medical care

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P-207 Survey of nursing care and caregiver burden in the parents with tracheotomy child.

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P-208 transition medical care in pediatric neurology of general hosipital

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P-209 Transition to adult healthcare system for patients with severe motor and intellectual disabilities

Tsuji Megumi[1,2], Sei Kenshi[2], Ikeda Azusa[2], Takashimia Yumiko[2], Tsuyusaki Yu[2], Ishikawa Kazushi[2], Iai Mizue[1,2], Yamashita Sumimasa[2], Goto Tomohide[2]
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P-210 "Momiji House", a new type of short-term admission facility for children

Terashima Hiroshi[1], Yakuwa Akiko[1], Urabe Ryosuke[1], Katayama Naoko[1], Kamioka Tetsuharu[1], Kakimoto Yu[1], Takei Gou[1], Kubota Masaya[1]
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P-211 A relationship between idiopathic toe walking and central tegmental tract lesion

Haginoya Kazuhiro[1], Mitabayashi Takuya[1], Yamamura Naeko[1], Suzuki Satoshi[1], Okubo Yukimune[1], Endo Wakana[1], Inui Takehiko[1], Togashi Noriko[1]
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P-212 Clinical features of severe scoliosis in cerebral palsy

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P-213 Botulinum toxin therapy as palliative care for SMID with unfavorable disorders

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P-214 Investigation of cycling antibiotic therapy for patients with profound multiple disabilities.

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P-215 2cases of severe motor and intellectual disability with pacemaker implantation for fatal arrhythmia

Mori Mioko[1], Hiejima Ikuko[1], Kumada Tomohiro[1], Shibata Minoru[1], Nozaki Fumihito[1], Hayashi Anri[1], Inoue Kenji[1], Sasaki Saeko[1], Fujii Tatsuya[1]
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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

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P-218 Postoperative nutritional improvement recovered swallowing function in a case of anomalad

Numasawa Yuko[1], Yokoyama Momoko[1], Nakano Yuko[1], Nishimura Atsushi[1], Michihiro Narumi[1], Shiihara Hiroaki[1], Abe Toshiaki[1], Harasawa Takao[1]
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P-219 Gastrointestinal volvulus in five adults with severe motor and intellectual disabilities.

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P-220 Thyroid function in the patients with severe motor and intellectual disabilities

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P-221 A case of epilepsy in which seizure control became possible with additional iron administration

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P-222 Progressive mental retardation in a 9-year old girl diagnosed with epilepsy with favorable prognosis

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P-223 A boy with temporal lobe epilepsy who developed with non-convulsive status epilepticus

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P-224 Four cases of thyrotoxic crisis with febrile seizures or disturbance of consciousness

Moriya Mitsuji[1], Katada Yu[1], Suzuki Rikio[1], Kitamura Taro[1], Nishio Toshiyuki[1], Takayanagi Masaru[1], Ohura Toshihiro[1]
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P-225 A Case of Pallister-Hall syndrome with Gelastic Seizures

Torio Michiko[1], Sakai Yasunari[1], Yonemoto Kosuke[1], Ishizaki Yoshito[1], Sanefuji Masafumi[2], Sasatuki Momoko[1], Torisu Hiroyuki[3], Takada Hidetoshi[1], Ooga Shoichi[1]
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P-226 Efficacy of continuous midazoram infusion for hyperthermia-induced seizures in Dravet syndrome

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P-227 The treatment strategy of Epilepsy with continuous spike and wave during sleep.

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P-228 A case of atypical West syndrome presenting with epileptic myoclonus and epileptic spasms

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P-229 ACTH therapy and clonazepam for Epileptic spasms without hypsarrythmia

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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

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P-233 Studies on ictal EEG of infantile seizures in Kakogawa Central City Hospital

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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 resistsnt West syndrome in infants with Down syndrome.

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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

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P-240 The efficacy of nitrazepam for patients with West syndrome

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P-241 Analysis of cerebrospinal fluid spectrin breakdown product in West syndrome

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P-242 Cases of status epilepticus in our hospital

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P-243 Study of epilepsy in childhood after acute encephalopathy and encephalitis

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P-244 Seizure recurrence rate of suspicion of benign infantile spasms

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P-245 Recurrence rate of cryptogenic and symptomatic focal epilepsy after drug withdrawal

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P-246 3-year outcome of cryptogenic focal epilepsy in childhood

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P-247 Outcomes of 27 cases with presumed benign infantile convulsion at the first hospital visit

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P-248 Steroid pulse therapy on acute encephalopathy with biphasic seizures and late reduced diffusion

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P-249 Characteristics of electroencephalogram in acute phase of acute encephalopathy with poor prognosis

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P-250 PLEDs in posterior reversible encephalopathy syndrome

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P-251 Study of arterial spin-labeled (ASL) MRI in patients with AESD.

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P-252 Neurologic prognosis evaluation using VEGF and PDGF in pediatric influenza-associated encephalopathy

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P-253 Outcome in children with AESD: Experience in a rehabilitation center

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P-254 Increased serum level of interleukin-17 in patients with febrile seizures

Watanabe Yusuke[1], Yamanaka Gaku[1], Morishita Natumi[1], Takeshita Mika[1], Urabe Tomomi[1], Moriti Shinitirou[1], Ishida Yu[1], Oana Shingo[1], Kawashima Hisashi[1]
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P-255 Interventional strategy for pediatric febrile status epilepticus with regard to i.v. fosPHT and PB

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P-256 A case report of AESD treated with plasma exchange and therapeutic hypothermia

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P-257 A 1-Year-Old girl who exhibited aphasia during the course of acute encephalopathy.

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P-258 Repeat conventional EEGs predicted the onset of AESD: a case report

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P-259 TLR3 gene variants in Acute Necrotizing Encephalopathy

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P-260 Cortical and white matter lesions at the early second phase in AESD

Ichimiya Yuko[1], Sanefuji Masafumi[1], Yonemoto Kosuke[1], Torio Michio[1], Ishizaki Yoshito[1], Sasazuki Momoko[1], Akamine Satoshi[1], Torisu Hiroyuki[1], Sakai Yasunari[1], Takada Hidetoshi[1], Ohga Shouichi[1]
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P-261 Effect of copper chelator disulfiram on oral copper administration in Menkes disease model mice

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P-262 Maple syrup urine disease model mice in Mkrn3 transgenic mice

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P-263 A case report of 3-hydroxyisobutyric aciduria with high intensity area in the basal ganglia.

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P-264 Reversible brain atrophy in Glutaric aciduria type 1

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P-265 A nine year old girl case of Glutaric acidaemia type 1 with leukoencephalopathy-like symptomes

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P-266 Two cases of scurvy with preceding erythrocyturia and dysbasia induced by air tramppline

Watanabe Yoshimi[1], Omata Taku[1], Mizuochi Hiromi[1], Kodama Kazuo[1] ,
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P-267 A case of vitamin B12 deficiency with developmental disorder responded to treatment

Okada Takumi[1], Ikeda Chizuru[1], Shimazu Tomoyuki[1], Ueno Hiroe[1] ,
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P-268 The early ketogenic diets may prevent developmental delay in a case of GLUT1 deficiency syndrome.

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P-269 Adult cases of glucose transporter 1 deficiency syndrome

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P-270 Modified Atkins diet and TRH therapy for a case with glucose transporter type 1 deficiency syndrome

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P-271 A case of Pompe disease with posterior spinal correction and fusion surgery for myogenic scoliosis.

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P-272 Nerve ultrasound and electrophysiology in mucopolysaccharidosis 2

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P-273 A suspected abused infant who was later diagnosed as osteogenesis imperfecta type 1 clinically.

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P-274 Luteolin attenuates IL-6 induced astroglial activation in maternal immune activation model in vitro

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P-275 A cace fo neonatal adenovirus type 5 encephalitis

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P-276 Short-term neurodevelopmental outcome after therapeutic hypothermia for perinatal asphyxia

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P-277 Clinical features of 3 cases with neonatal cerebral infarction

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P-278 Our mesures against long stay of NICU patients

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P-279 Outcomes in light-for-date neonates with very low birth weight by cohort

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P-280 Evaluating intelligence in school-age children born preterm birth

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P-281 Analysis of the Frostig developmental test of visual perception in children born preterm

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P-282 Assessment of longitudinal change in white matter in preterm infants without MRI abnormalities.

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P-283 Epilepsy as a comorbidity of ADHD

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P-284 The effect of one week Summer Treatment Program for ADHD

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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.

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P-287 Retrospective Study of Attention Deficit Hyperactivity Disorder using Atomoxetine Solution

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P-288 Three cases of Autism spectrum disorder coexisted with Alice in Wonderland syndrome

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P-289 An open-label extension study of aripiprazole for irritability associated with autistic disorder

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P-290 A research on the usage of a noise reduction earmuff

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P-291 The effect of sodium valproate on developmental disorders

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P-292 Foix-Chavany-Marie Syndrome associated with herpes simplex virus encephalitis

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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

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P-295 Efficacy of music therapy with neurological and developmental disorder children

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P-296 Collaboration with psychiatrist was useful for medical care of developmental disorder:a case report

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P-297 Family support Acticity in Kesen-numa city

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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

Hatakeyama Kazuo[1,2], Aoyagi Kakuro[2], Hosaka Hiromi[2], Tamaru Kei[2], Aihara Masao[3,4], Kanemura Hideaki[3,5], Kamei Sayaka[3,6], Sano Fumikazu[5], Sugita Kanji[5]
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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

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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

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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

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P-313 Aberrant behavior checklist Japanese for preschool children with behavioral problems.

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