

**The 58th Annual Meeting of
the Japanese Society of Child Neurology**

June 2nd—June 5th, 2016
Keio Plaza Hotel Shinjuku

PROGRAM

June 2nd

Pre-congress

Practical educational seminar 1

Room 1 11:30-14:30

Neuroimaging for Pediatricians 2016

Chairs: Jun-ichi Takanashi, Department of pediatrics, Tokyo women's Medical university Yachiyo Medical Center
Hiroshi Oba, Department of Radiology, Teikyo University Hospital

Young cerebrovascular accidents

Harushi Mori, Department of Radiology, Graduate School and Faculty of Medicine, the University of Tokyo

Imaging diagnosis of neonatal encephalopathy

Hiroshi Oba, Department of Radiology, Teikyo University Hospital

Up-to-date neuroimaging of acute encephalopathy

Jun-ichi Takanashi, Department of Pediatrics, Tokyo Women's Medical University, Yachiyo Medical Center, Yachiyo, Japan

Brain image of the child in emergency

Tomonori Kanda, Teikyo University school of medicine, Tokyo, Japan

Pediatric systemic diseases and CNS lesions

Yoshiyuki Tsutsumi, Department of Radiology, National Center for Child Health and Development, Tokyo, Japan

Practical educational seminar 3

Room 8 11:30-14:30

Practical guide to clinical neurophysiology

Chairs: Masaharu Ohfu (Division of Child Neurology, Okinawa Prefectural Southern Medical Center & Children's Medical Center), Atsushi Araki (Department of Pediatrics, Kansai Medical University)

Auditory brainstem response and P300

Hideo Enoki (Department of Child Neurology, Comprehensive Epilepsy Center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)

Clinical application of near infrared spectroscopy NIRS in child neurology

Masumi Inagaki (Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan)

Neurophysiology ABR, P300 : demonstration

Yoshimi Kaga^{1,2}, Masao Aihara³

1.Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan 2.National Hospital Organization, Kofu National Hospital, Yamanashi, Japan 3.Graduate Faculty of Interdisciplinary Research, Graduate School, University of Yamanashi, Yamanashi, Japan

Introduction to functional near infrared spectroscopy in pediatric neurology

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

Practical educational seminar 4

Room 9 11:30-14:30

3rd hands-on genetics education seminar

Chairs: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences), Takanori Yamagata (Department of Pediatrics, Jichi Medical University)

Toshiyuki Yamamoto¹, Hitoshi Osaka², Takahito Wada³, Yasunari Sakai⁴

1.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan 2.Department of Pediatrics, Jichi Children's Medical Center Tochigi, Jichi Medical University 3.Kyoto University Graduate School of Science, Kyoto, Japan 4.Department of Pediatrics, University of Kyushu, Fukuoka

Practical educational seminar 2

Room 5 12:00-14:30

Diagnostic reasoning for pediatric neurology practice

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

Necessary for clinical reasoning in paediatric neurology practices

Katsuo Sugita (Division of Child Health Faculty of Education Chiba University)

What is the diagnostic reasoning

Masatomi Ikusaka (Department of General Medicine, Chiba University Hospital, Chiba, Japan)

Important thing in child neurology practice

Yoshihiro Maegaki (Division of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan)

Practical educational seminar 5

Room 5 14:45-17:45

Pediatric Palliative Care ~What we can do as neurologists for children with life threatening conditions ~

Chairs: Ryutaro Kira (Department of Pediatrics Neurology, Fukuoka Children's Hospital), Ryohei Tatara (Department of Palliative Medicine Osaka City General Hospital)

Overview of pediatric palliative care

Nobuyuki Yotani (Department of Palliative Medicine, Kobe University Graduate School of Medicine, Kobe, Japan)

Pediatric palliative care as a further practice when the child's illness is incurable

Momoko Sasazuki (Department of Pediatrics, Kyushu University Graduate School of Medical Science, Fukuoka, Japan /

Pediatric Palliative Team, Kyushu University Hospital, Fukuoka, Japan)

Communication about better care planning for children with acute or chronic life threatening illnesses

Shin Okazaki (Osaka City General Hospital, Osaka, Japan)

Ethical dilemmas concerning decision making on medical treatment for incompetent child

Ryohei Tatara (Department of Palliative Medicine, Osaka City General Hospital)

Practical educational seminar 6

Room 8 14:45-17:45

How to read neonatal EEG/aEEG

Chairs: Toru Kato (Department of Pediatrics, Okazaki City Hospital), Akihisa Okumura (Department of Pediatrics, Aichi Medical University)

Conventional EEG in full-term infants

Tatsuya Fukasawa (Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan)

Conventional EEG in preterm infants

Toru Kato (Department of Pediatrics, Okazaki City Hospital)

Recording and reading of aEEG

Yuichiro Sugiyama (Division of Neonatology, Center for Maternal-Neonatal Care, Nagoya University Hospital)

Practical educational seminar 7

Room 9 15:30-17:30

Usage of Vineland Adaptive Behavior Scales, 2nd Edition,

Chair: Junichi Furusho (College of Education, Human Studies and Psychology, Aoyamagakuin University)

How we use Vineland-2 Adaptive Behavior Scale, Japanese version

Masatsugu Tsujii (Faculty of Sociology, Chukyo University, Toyota, Japan)

The 58th Annual Meeting of the Japanese Society of Child Neurology

Committee's Seminar

Room 5 18:00-20:00

Publicity strategy of the Japanese Society of Child Neurology.

Chairs: Tohru Okanishi (Division of Child Neurology, Seirei-Hamamatsu General Hospital), Shinichi Yagi (YAGI CHILDREN'S CLINIC, University of Toyama, Faculty of Medicine)

Mission of this meeting

Jun Kohyama (Tokyo Bay Urayasu Ichikawa Medical Center, Urayasu, Japan)

Necessity and basic strategy for a high degree of recognition in the Japanese Society of Child Neurology

Hikomichi Ito (Department of Pediatrics, Tokushima University, Tokushima, Japan)

System construction of information collection and transmission : press release

Kenjiro Kikuchi (Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan)

The slogan to develop the Japanese Society of Child Neurology for the future

Tohru Okanishi (The Division of Child Neurology, Seirei-Hamamatsu General Hospital, Hamamatsu, Shizuoka, Japan)

Committee's Seminar

Room 8 18:00-20:00

Future development of the therapy in neuromuscular diseases

Chairs: Tatsuya Fujii (Shiga Medical Center for Children), Harumi Yoshinaga (Department of child Neurology, Okayama University)

Frontline of the development of therapeutic drugs for mitochondrial disorders

Yasutoshi Koga (Department of Pediatrics and Child Health, Kurume University School of Medicine)

A review of the clinical trials for Duchenne muscular dystrophy

Hirofumi Komaki (Department of Clinical Research Promotion, National Center of Neurology and Psychiatry)

Kickoff toward a new era of the fundamental therapy for spinal muscular atrophy

Kayoko Saito, Reiko Arakawa (Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan)

Committee's Seminar

Room 9 18:00-20:00

Medical Safety Seminar

Chairs: Hideo Yamanouchi (Department of Pediatrics, Saitama Medical University), Seigo Korematsu (Oita University Faculty of Medicine Division of Educational Support for Regional Pediatrics)

The safe usage of anticonvulsants

Rie Miyatao^{1,5}, Madoka Hoshidde^{2,5}, Seigo Korematsu^{3,5}, Hideo Yamanouchi^{4,5}

1.The Department of Pediatrics, Tokyo-Kita Medical Center, Tokyo, Japan 2.The Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan 3.Educational Support for Regional Pediatrics, Oita University Faculty of Medicine, Oita, Japan 4. Department of Pediatrics, Saitama Medical University, Saitama, Japan
5.Japan Medical Safety Research Organization, Tokyo, Japan

Safety management of sedative drug for children

Kazuhiro Muramatsu¹, Yusaku Miyamoto²

1.Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan 2.Kawasaki Municipal Tama Hospital, Kanagawa, Japan

Safety management for children in cooperation with pediatricians and neurosurgeons

Shoko Shimokawau^{1,2}, Hiroaki Sakamoto^{3,4}

1.Department of Neurosurgery, Faculty of Medicine, Saga University, Saga, Japan 2.Japanese Society for Pediatric Neurosurgery, chairperson of medical safety committee 3.Department of Neurosurgery, Osaka City University Graduate School of Medicine

Principles and prospects of “Medical Accident Investigation System”

Sosuke Kimura (Japan Medical Safety Research Organization, Tokyo, Japan)

June 3rd

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| Opening Ceremony | Room 1 | 8:00-8:05 |
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| Presidential Lecture | Room 1 | 8:05-8:35 |
| For our children's future—Bridging between child neurology and multiple fields
Chair: Makiko Osawa (Tokyo Women's Medical University)
Shinichi Nijima, Juntendo University Nerima Hospital, Tokyo, Japan | | |
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| Special Lecture 1 | Room 1 | 8:45-9:30 |
| New Concepts of Malformations of Cortical Development
Chair: Toshisaburo Nagai (Poole Gakuin University)
A. James Barkovich, University of California, San Francisco UCSF-Benioff Children's Hospital, USA | | |
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| English Session | Room 6 | 9:35-10:45 |
| Epilepsy and convulsive diseases 1 | | |
| Chair: Andrew L. Lux (Bristol Royal Hospital for Children, Bristol, UK), Hiroshi Otsubo (Clinical Neurophysiology, Division of Neurology The Hospital for Sick Children) | | |
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| E-001 Hypofunction of the hypothalamic–pituitary–adrenal axis after ACTH therapy
Yuichi Abe, Kaori Sassa, Ikuma Musya, Akira Ohtake, Hideo Yamanouchi, Department of Pediatrics, Saitama Medical University, Saitama, Japan | | |
| E-002 Modeling the cellular phenotype of STXBP1–related epileptic encephalopathy using iPSC
Satoshi Yamashita ¹ , Tomohiro Chiyonobu ¹ , Michiko Yoshida ^{1,2} , Hiroshi Maeda ¹ , Masashi Zuiki ¹ , Satoshi Kidowaki ¹ , Kenichi Isoda ^{1,2} , Masafumi Morimoto ¹ , Mitsuhiro Kato ^{3,5} , Hiroto Saito ⁴ , Naomichi Matsumoto ⁴ , Tatsutoshi Nakahata ² , Megumu Saito ² , Hajime Hosoi ¹
1.Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan, 2.Department of Clinical Application, Center for iPS Cell Research and Application (CiRA), Kyoto University, Kyoto, Japan, 3.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 5.Present address: Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan | | |
| E-003 Paroxysmal nonepileptic events misidentified as epileptic seizures in children with epilepsy
Yuji Ito, Tamiko Negoro, Yu Okai, Yoko Sakaguchi, Chikako Ogawa, Atsuko Ono, Tomohiko Nakata, Hiroyuki Kidokoro, Kazuyoshi Watanabe, Jun Natsume
Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan | | |
| E-004 Combination of low-dose aspirin with LEV for seizures in Sturge–Weber syndrome –a case report
Yoko Takahashi ^{1,2} , Yurika Uematsu ² , Yoshitsugu Oikawa ² , Yukimune Okubo ² , Mitsugu Uematsu ² , Kazuyuki Nakamura ³ , Shigeo Kure ²
1.Tohoku University School of Medicine, Sendai, Japan, 2.Department of Pediatrics, Tohoku University Graduate School of Medicine, Sendai, Japan, 3.Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan | | |
| E-005 A case of Lennox–Gastaut syndrome with dynamin 1 mutation revealed by whole exome sequencing
Takeshi Kouga ¹ , Hitoshi Osaka ¹ , Takanori Yamagata ¹ , Mitsuko Nakashima ² , Tomohide Goto ³ , Yoshinori Tsurusaki ² , Satoko Miyatake ² , Noriko Miyake ² , Hiroto Saito ² , Naomichi Matsumoto ²
1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 3.Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan | | |
| E-006 West syndrome NHO–Japan 342 ACTH cases study : developmental outcome of the initial ACTH therapy
Yukitoshi Takahashi ¹ , Akiko Oota ¹ , Yushi Inoue ¹ , Jun Toyama ² , Hiroshi Fujita ³ , Chizuru Nishizato ⁴ , Jyunya Takahashi ⁵ , Shigeki Tanaka ⁶ , Masayoshi Nagao ⁷ , Hiroshi Shiraga ⁸ , Hideo Kaneko ⁹ , Yasuko Sawai ¹⁰
1.National epilepsy center, Shizuoka institute of epilepsy and neurological disorders, NHO, Shizuoka, Japan, 2.Nishi-Niigata Chuo National Hospital, NHO, Niigata, Japan, 3.National Hospital Organization Aomori, NHO, Aomori, Japan, 4.Kumamoto Saishunso National hospital, NHO, Goshu, Japan., 5.National Mie Hospital, NHO, Tsu, Japan, 6.National Hospital Nagasaki Medical Center, NHO, Omura, Japan, 7.National Hospital Hokkaido Medical Center, NHO, Sapporo, Japan, 8.Okayama Medical Center, NHO, Okayama, Japan, 9.Okayama Medical Center, NHO, Okayama, Japan, 10.Nara Medical Center, NHO, Nara, Japan | | |
| E-007 Chronic PHT intoxication and its adverse reactions relative to the withdrawal : case report
TATSURO IZUMI, Department of Pediatrics, National Nanao Hospital, Nanao, Japan | | |

Symposium 1

Room 1 9:40-11:20

Guideline for the management of convulsive status epilepticus in infants and children

Chair: Kitami Hayashi¹, Hitoshi Yamamoto²

1. Tokyo women's Medical University Yachiyo Medical Center Department of Pediatrics Neurology 2. St. Marianna University School of Medicine

Prehospital and firstline treatment for status epilepticus

Ichiro Kuki¹, Kiyotaka Murakami²

1. The Department of Pediatric Neurology, Osaka City General Hospital, Osaka City, Japan, 2. The Department of Pediatric Neurology, Nakano Children's Hospital, Osaka city, Japan

Treatment for benzodiazepine-resistant convulsive status epilepticus

Kenjiro Kikuchi¹, Hitoshi Yamamoto²

1. Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan, 2. Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki, Japan

Management of refractory and super refractory status epilepticus

Hiroaki Nagase¹, Kenji Sugai²

1. Department of Mental Health for Children and Parents, Kobe University Hospital, Kobe, Japan, 2. Department of Pediatric Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan

Evaluation for convulsive status epilepticus

Tomoyuki Akiyama¹, Yoshihiro Maegaki²

1. Department of Child Neurology, Okayama University Hospital, Okayama, Japan, 2. Epilepsy Center, Okayama University Hospital, Okayama, Japan

Symposium 2

Room 2 9:40-11:20

Construction of environment to nurture proactive emotional development leading to future social creativity

Hideo Yamanouchi, Department of Pediatrics, Saitama Medical University

Mitsuru Senda, Environment Design Institute

Possibility of developmental diagnosis and treatment with inclusive information of food, clothing, shelter and social environments

Mamiko Koshiba^{1,2,3}, Hiroko Kakei¹, Hayato Sakurai¹, Masakazu Honda¹, Kayo Morita¹, Shinpei Ozawa¹, Kunihiro Nishimura³, Shun Nakamura¹, Mamoru Niitsu⁴, Tetsuya Kunikata¹, Hideo Yamanouchi¹

1. Department of Pediatrics, Saitama, Japan, 2. Department of Biochemistry, 3. NCNP, Tokyo, Japan

Issues about rearing environment of children in Japan and study of children's environment

Mitsuru Senda, Environment Design Institute

Pose estimation of neonates from infrared thermography

Masanori Hariyama, Graduate School of Information Sciences, Tohoku University, Sendai, Japan

Attachment as the cradle of socio-emotional development

Toshihiko Endo, Department of Educational Psychology, Graduate School of Education, The University of Tokyo, Tokyo, Japan

The thermodynamic law and indoor environment—what a series of exergy research have found—

Masanori Shukuya, Department of Restoration Ecology and Built Environment, Tokyo City University, Japan

Hazardous health effect due to ordinary environmental factors, with special reference to child brain responses

Kou Sakabe, Tokai University School of Medicine, Isehara, Japan

Symposium 3

Room 3 9:40-11:20

Interdisciplinary approach for children with severe spasticity

Akira Oka, Department of Pediatrics, The University of Tokyo

Nobuhito Morota, Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center

Treatment of botulinum toxin

Atsuo Nezu, Clinic of Neuropediatrics Yokohama Residential Care and Medical Centre for Developmentally Disabled Person, Yokohama, Japan

Current status and Issues of ITB therapy

Masaya Kubota, Hirofumi Kashii, Hiroshi Terashima, Division of Neurology, National Center for Child Health and Development, Tokyo, Japan

Functional posterior rhizotomy for severe spasticity in children

Satoshi Ihara, Nobuhito Morota, Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan

Treatment of orthopaedic surgery for severe spasticity

Tsukasa Shimura, Hiroshima Prefectural Rehabilitation Center, Higashihiroshima, Japan

Oral Presentation

Room 4 9:40-10:40

Encephalitis and encephalopathy 1

Chair: Hitoshi Osaka (Department of Pediatrics, Jichi Medical School), George Imataka (Department of Pediatrics, Dokkyo Medical University, School of Medicine)

O-001 Frequency of AESD in febrile convulsions

Yosuke Hosokawa¹, Takeshi Tsuzi², Tetsuo Kubota³, Naoki Ando⁴, Kiyokuni Miura¹, Hiroyuki Kidokoro⁵, Akihisa Okumura⁶, Shinji Saitou⁴, Jun Natsume⁵

1. The Department of child neurology, Toyota city child development center, Toyota city, Japan 2. The Department of child neurology, Okazaki city hospital, Okazaki city, Japan 3. The Department of child neurology, Anjo kousei hospital, Anjo city, Japan 4. The Department of child neurology, Nagoya city university hospital, Nagoya city, Japan 5. The Department of child neurology, Nagoya university hospital, Nagoya city, Japan 6. The Department of child neurology, Aichi medical university hospital, Nagakute city, Japan

O-002 Comparison of early EEG findings between AESD and PFS

Tatsuya Fukasawa¹, Akihisa Okumura², Takeshi Suzuki¹, Yuji Nakamura³, Misa Miyake⁴, Atsuko Ohno⁵, Tetsuo Kubota¹, Takeshi Tsuji⁶, Naoki Ando⁷, Shinji Saito⁷, Jun Natsume⁵

1. Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan 2. Department of Pediatrics, Aichi Medical University, Aichi, Japan 3. Department of Pediatrics, Toyohashi municipal hospital, Aichi, Japan 4. Department of Pediatrics, Fujita Health University School of Medicine, Aichi, Japan 5. Department of Pediatrics, Nagoya University, Aichi, Japan 6. Department of Pediatrics, Okazaki City Hospital, Aichi, Japan 7. Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences, Aichi, Japan

O-003 EEG findings in clinically mild encephalitis/encephalopathy with reversible splenic lesion

Takeshi Suzuki¹, Akihisa Okumura², Tatsuya Fukasawa¹, Yuji Nakamura³, Misa Miyake⁴, Atsuko Oono⁵, Tetsuo Kubota¹, Takeshi Tsuji⁶, Naoki Ando⁷, Shinji Saito⁷, Jun Natsume⁵

1. Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan, 2. Department of Pediatrics, Aichi Medical University, Aichi, Japan, 3. Department of Pediatrics, Toyohashi municipal hospital, Aichi, Japan, 4. Department of Pediatrics, Fujita Health University School of Medicine, Aichi, Japan, 5. Department of Pediatrics, Nagoya University, Aichi, Japan, 6. Department of Pediatrics, Okazaki City Hospital, Aichi, Japan, 7. Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences, Aichi, Japan

O-004 Six cases of mild acute encephalitis/encephalopathy with arousal disorder as the main symptom

Hiroshi Terashima¹, Tadayuki Kumagai¹, Satoshi Takenaka¹, Mai Anzai², Mariko Kasai³, Yu Watanabe⁴, Makiko Saito⁵, Masashi Mizuguchi⁵, Masaya Kubota¹

1. Division of Neurology, National Center for Child Health and Development, Tokyo, Japan, 2. Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan, 3. Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 4. Home Care Clinic Aozora Shin-Matsudo, Matsudo, Japan, 5. Department of Developmental Medical Sciences, Graduate School of Medicine, University of Tokyo, Tokyo, Japan

O-005 Evaluation of AESD score for early diagnosis

Yoko Mriyama¹, Emiyu Matsuo¹, Yuri Shirato², Kumi Yasukawa¹, Ayako Muto^{1,2}, Kitami Hayashi², Junichi Takanashi¹

1. Tokyo Womens Medical University Yachiyo Medical Center, Chiba, Japan, 2. Tokyo Womens Medical University Yachiyo Medical Center, Chiba, Japan

O-006 Procalcitonin level in acute encephalopathy with biphasic seizures and late reduced diffusion

Michihiko Takasu¹, Hirokazu Kurahashi¹, Akihisa Okumura¹, Jun Natsume², Shinji Saito³, Takeshi Tsuji⁴, Tetsuo Kubota⁵, Yoshiteru Azuma², Tomoya Takeuchi², Motomasa Suzuki⁶, Yuu Okai², Yuushi Ito²

1. Department of Pediatrics, Aichi Medical University Graduate School of Medicine, Aichi, Japan, 2. Department of Pediatrics, Nagoya University Graduate School of Medicine, Aichi, Japan, 3. Department of Pediatrics and Neonatology, Nagoya city University Graduate School of Medical Sciences, Aichi, Japan, 4. Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan, 5. Department of Pediatrics, Anjo-kosei Hospital, Aichi, Japan, 6. Department of Pediatric neurology, Aichi Children's Health and Medical center, Aichi, Japan

Oral Presentation

Room 5 9:40-10:40

Neurodevelopmental disorders 1

Chair: Masumi Inagaki (Department of Developmental Disorders, NIMH, NCNP), Tasuku Miyajima (Tokyo Kasei University Faculty of child studies, Department of Education for Children)

O-025 Possibility of finding out children with underachievement using writing accuracy and reading fluency

Yuko Ogino¹, Akihiro Kawasaki², Tomohito Okumura³, Makoto Nakanishi³, Mekumi Mizuta³, Eizi Wakamiya⁴, Hiroshi Tamai⁵

1. Yokohama Western Area Habilitation Center for Children, Yokohama, Japan, 2. Tohoku University Graduate School of Education, Sendai, Japan, 3. Osaka Medical College, LD Center, Takatsuki, Japan, 4. Aino University, Faculty of Nurse Science, Ibaraki, Japan, 5. Osaka Medical College, Department of Pediatrics, Takatsuki, Japan

- O-026 Relationship between academic achievement and cognitive function 2 –vocabulary with CARD–
Mekumi Mizuta¹, Tomohito Okumura¹, Makoto Nakanishi^{1,2}, Tomoko Miura^{1,3}, Naoko Kurimoto¹, Takashi Takeshita¹, Akihiro Kawasaki⁴, Eiji Wakamiya⁵, Hiroshi Tamai^{1,6}
1.Osaka Medical College,LD Center,Takatsuki,Japan, 2.Kansai University,Graduate School of Psychology,Suita,Japan, 3.Sakai Seikeikai Hospital,LD Center,Sakai,Japan, 4.Tohoku University Graduate School of Education,Sendai,Japan, 5.Department of Nursing,Faculty of Life Science,Aino University,Ibaraki,Japan, 6.Osaka Medical College,Department of Pediatrics,Takatsuki,Japan
- O-027 Relationship between basic learning skill and social skill
Akihiro Kawasaki¹, Tomohito Okumura², Makoto Nakanishi², Tomoko Miura^{2,3}, Mekumi Mizuta², Eiji Wakamiya^{2,4}, Yuko Ogino⁵, Hiroshi Tamai⁶
1.Tohoku University Graduate School of Education,Sendai,Japan, 2.Osaka Medical College, LD Center, Takatsuki, Japan, 3.Sakai Seikeikai Hospital,LD Center,Sakai,Japan, 4.Aino University,Faculty of Nurse Science, Ibaraki, 5.YRS,Yokohama, 6.Osaka Medical College,Department of Pediatrics,Takatsuki,Japan
- O-028 Effects of speed and correctness of calculation on arithmetic achievement in school children
Eiji Wakamiya¹, Makoto Nakanishi², Tomohito Okumura³, Mekumi Mizuta³, Naoko Kurimoto³, Takashi Takeshita³, Tomoko Miura⁴, Akihiro Kawasaki⁵, Mari Hatanaka⁶, Miho Fukui⁶, Hiroshi Tamai^{1,6}
1.Department of Nursing, Faculty of Health Science, Aino University, Ibaraki, Japan, 2.Graduate School of Psychology, Kansai University, Suita, Japan, 3.LD center, Osaka Medical College, Takatsuki, Japan, 4.LD center, Sakai Seikeikai Hospital, Sakai, Japan, 5.Graduate School of Education, Tohoku University, Sendai, Japan, 6.Department of Pediatrics, Osaka Medical College, Takatsuki, Japan
- O-029 Characteristics of children in the tier 3 of the RTI–model intervention for reading difficulties
Ayumi Seki¹, Hisakazu Yanaka², Yoriko Akao², Hitoshi Uchiyama³, Tatsuya Koeda⁴
1.Faculty of Education, Hokkaido University, Sapporo, Japan, 2.Child development and Learning Research Center, Faculty of Regional Sciences, Tottori University, Tottori, Japan, 3.School of Health Sciences, International University of Health and Welfare, Ohtawara, Japan, 4.Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan
- O-030 Pathophysiology of Kanji writing disability in Japanese children
Mari Hatanaka¹, Eiji Wakamiya², Makoto Nakanishi^{3,4}, Takashi Takeshita⁴, Tomoko Miura⁵, Tomohito Okumura⁴, Mekumi Mizuta⁴, Naoko Kurimoto⁴, Miho Fukui¹, Shuichi Shimakawa¹, Hiroshi Tamai¹
1.Department of Pediatrics,Osaka Medical College, Osaka, Japan, 2.Department of Nursing, Faculty of Life science, Aino University, Osaka, Japan, 3.Graduate School of Psychology, Kansai University, Osaka, Japan, 4.LD Center, Osaka Medical College, Osaka, Japan, 5.LD Center, Sakai Seikeikai, Osaka, Japan

Oral Presentation

Room 7 9:40-10:40

Genetics 1

Chair:Sumimasa Yamashita (Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan), Takahito Wada (Department of Medical Ethics and Medical Genetics,Kyoto University Graduate school of Medicine)

- O-049 Clinical heterogeneity of genetically confirmed nine patients with Vici syndrome
Ikumi Hori¹, Fuyuki Miya^{2,3}, Mitsuko Nakashima⁴, Takanobu Otomo⁵, Yutaka Negishi¹, Ayako Hattori¹, Naoki Ando¹, Tatsuhiko Tsunoda³, Ichizo Nishino⁶, Yonehiro Kanemura⁷, Tamotsu Yoshimori⁵, Naomichi Matsumoto⁴, Kenjiro Kosaki⁸, Shinji Saitoh¹
1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, 3.Center for Integrative Medical Sciences, RIKEN, Yokohama, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 5.Department of Genetics, Osaka University Graduate School of Medicine, Osaka, Japan, 6.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 7.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan, 8.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan
- O-050 A case of spinocerebellar degeneration with KIF1A mutation
Takuya Kosaka¹, Hideo Tsuda², Takuya Hiraide³, Hirofumi Komaki³
1.Department of Pediatrics, Fukui Prefectural Rehabilitation Center For Children With Disabilities, Fukui, Japan, 2.Department of Pediatrics, Fukui Prefectural Hospital, Fukui, Japan, 3.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan
- O-051 Quantitative analysis of allelic Ube3a expression by ddPCR
Tatsuya Kishino
Division of Functional Genomics, Center of Frontier life science, Nagasaki University, Nagasaki, Japan

O-052 Clinical spectrum of PIGO mutations

Junpei Tanigawa^{1,2}, Yoshiko Murakami⁴, Kouji Tominaga^{1,2,3}, Shin Nabatame^{1,2}, Haruka Mimatsu⁵, Hiroyuki Kidokoro⁶, Masahiro Hayakawa⁵, Seizi Mizuno⁷, Nobuaki Wakamatsu⁸, Nobuhiko Okamoto⁹, Jun Natsume¹⁰, Tarou Kinoshita⁴, Keiichi Ozono^{1,2}

1.Department of Pediatrics, Graduate School of Medicine, Suita, Japan, 2.Osaka University Hospital Epilepsy Center, Suita, Japan, 3.United Graduate School of Child Development Osaka University, Suita, Japan, 4.Department of Immunoregulation Research Institute for Microbial Diseases, Laboratory of Immunoglycobiology, WPI Immunology Frontier Research Center, Osaka University, Osaka, Japan, 5.Division of Neonatology Center for Maternal-Neonatal Care, Nagoya University Hospital, Nagoya, Japan, 6.Department of Pediatrics, Nagoya University Hospital, Nagoya, Japan, 7.Department of Pediatrics, Central Hospital, Aichi Human Service Center, Kasugai, Japan, 8.Department of Genetics, Institute for Developmental Research, Aichi Human service Center, Kasugai, Japan, 9.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan, 10.Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan

O-053 A study of MECP2 mutations and locomotion ability from Japanese Rett syndrome database

Tomoko Saikusa^{1,2}, Koutarou Yuge², Satoru Takahashi⁴, Toyojirou Matsuishi^{1,2}, Tetsuji Tanioka⁵, Toshiharu Ikenaga⁶, Tisato Hirayama⁷, Masayuki Ito³

1.St. Mary'S Hospital, Fukuoka, Japan, 2.The Department of Pediatrics and Child Health Kurume University of Medicine, Fukuoka, 3.National Center of Neurology and Psychiatry,Tokyo, 4.The Department Pediatrics Asahikawa Medical University, 5.Rett, 6.Rett, 7.Sakurannbo

O-054 Two brothers with ATR-X syndrome due to low-frequency maternal mosaicism for an ATRX mutation

Hiroko Shimbo¹, Shinsuke Ninomiya², Kenji Kurosawa³, Takahito Wada⁴

1.Clinical Research Institute, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Department of Clinical Genetics, Kurashiki Central Hospital, Kurashiki, Japan, 3.Medical genetics, Kanagawa Children's Medical Center, Yokohama, Japan, 4.Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan

Oral Presentation

Room 8 9:40-10:40

Epilepsy and convulsive diseases 1

Chairs: Keiichi Takahashi (Dokanyama Gakuen Child care Welfare College), Makoto Funatsuka (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan,)

O-073 A boy with flaccid tetraplegia and late-onset epileptic spasms caused by mutations in *DYNC1H1*

Atsushi Araki¹, Tomoko Koga¹, Kazunari Kaneko¹, Nobuhiko Okamoto², Hirotomo Saito³, Naomichi Matsumoto³

1.Department of Pediatrics, Kansai Medical University, Osaka, Japan, 2.Department of Medical Genetics, Osaka medical center and Research Institute for Maternal and Child Health, Izumi, Japan, 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-074 Genetic studies of the hemiconvulsion-hemiplegia epilepsy syndrome

Sawako Yamazaki^{1,2}, Jun Tohyama³, Atsushi Ishii⁴, Shinichi Hirose⁴

1.The Department of Pediatrics, University of Niigata, Niigata, Japan, 2.The Department of Pediatrics, Nagaoka Institute for severely Handicapped Children, Nagaoka, Japan, 3.The Department of Pediatrics, Nishi-Niigata Chuo Hospital, Niigata, Niigata, Japan, 4.The Department of Pediatrics, University of Fukuoka, Fukuoka, Japan

O-075 Presenting intractable epilepsy and early deterioration in a male patient with BPAN

Kazuya Goto¹, Shinichi Uchiyama¹, Kazuhide Imai¹, Kyoko Takano²

1.Division of Pediatrics, Nishibeppu National Hospital, Beppu, Japan, 2.Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan

O-076 The treatment with quinidine of two epilepsy cases with KCNT1 mutation

Taikan Oboshi, Tokito Ymaguti, Yoshitomi Ikeda, Shinsaku Hiroko, Hideyuki Iotani, Katumi Imai, Hideo Shigematu, Yukitoshi Takahashi, Yushi Inoue

Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

O-077 Two cases of early infantile epileptic encephalopathy with KCNQ2 mutation

Wakaba Endo¹, Takezawa Yusuke¹, Mai Anzai¹, Takehiko Inui¹, Naomi Fukuyo², Kazuhiro Iwama³, Hirotomo Saito³, Naomichi Matsumoto³, Kazuhiro Haginoya^{1,2}

1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan, 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-078 Retigabine attenuates seizures in *Kcnq2* Mutant mice

Yukiko Ihara¹, Yuko Tomonoh¹, Deshimaru Masanobu², Zhang Bo³, Taku Uchida⁴, Atsushi Ishii¹, Shinichi Hirose^{1,4}

1.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan, 2.Department of Chemistry, Faculty of Science, Fukuoka University, Fukuoka, Japan, 3.Department of Biochemistry, School of Medicine, Fukuoka University, Fukuoka, Japan, 4.Central Research Institute for the Molecular Pathomechanisms of Epilepsy, Fukuoka University, Fukuoka, Japan

Oral Presentation

Room 4 10:40-11:40

Encephalitis and encephalopathy 2

Chairs: Yoshiaki Saito (Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine Tottori University), Hiroshi Sakuma (Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science)

O-007 Analysis of children with acute encephalopathy : 15-year experience at a single institution

Masaru Takayanagi¹, Taro Kitamura¹, Yu Aihara¹, Mitsuji Moriya¹, Rikio Suzuki¹, Toshiyuki Nishio¹, Katsuya Yamamoto², Toshihiro Ohura¹

1.Division of Pediatrics, Sendai City Hospital, Sendai, Japan, 2.Nankodai Yamamoto Children's Clinic, Sendai, Japan

O-008 An association between the incidence of acute encephalitis/encephalopathy and local epidemic

Takako Misaki, Nobuhiko Okabe (Kawasaki Institute for Public Health, Kanagawa, Japan)

O-009 Underlying disorders in children with acute encephalitis/encephalopathy

Tomohiko Nakata¹, Yu Okai¹, Atsuko Ohno¹, Yuji Ito¹, Chikako Ogawa¹, Hiroyuki Kidokoro¹, Tetsuo Kubota², Takeshi Tsuji³, Naoki Ando⁴, Akihisa Okumura⁵, Sinji Saitoh⁴, Jyun Natsume¹

1.Department of Pediatrics, Nagoya University, Aichi, Japan, 2.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan,

3.Department of Pediatrics, Okazaki City Hospital, Okazaki, Japan, 4.Department of Neonatology and Pediatrics, Nagoya

City University Graduate School of Medical Sciences, Nagoya, Japan, 5.Department of Pediatrics, Aichi Medical University, Aichi, Japan

O-010 Clinical course and risk factors in 68 cases of acute encephalopathy

Atsuko Yamamoto^{1,2}, Kentaro Shirai¹, Akiko Haibara¹, Akimitsu Watanabe¹

1.Department of Pediatrics, Tsuchiura Kyodo General Hospital, Ibaraki, Japan, 2.Department of Pediatrics, Tokyo Kita Medical Center, Tokyo, Japan

O-011 A characteristic of near-infrared spectroscopy (NIRS) in acute encephalitis and encephalopathy

Yoshinobu Oyazato, Atsuko Kanagawa, Tomoshi Nakajiri, Sora Okita, Atsushi Nishiyama (Department of Pediatrics, Kakogawa West City Hospital, Hyogo, Japan)

O-012 The epidemiology and outcome of acute encephalitis and encephalopathy in Fukushima in Japan

Yukihiko Kawasaki, Yuichi Suzuki, Hiroki Tsukada, Asako kato, mitsuaki hosoya (Department of Pediatrics, Fukushima Medical University School of Medicine)

Oral Presentation

Room 5 10:40-11:40

Neurodevelopmental disorders 2

Chairs: Masaru Tatsuno (Showa University School of Medicine Department of Pediatrics), Masao Aihara (Graduate Faculty of Interdisciplinary Research, University of Yamanashi)

O-031 Resting state activity of the cerebellum in children with ADHD

Yoshifumi Mizuno^{1,2}, Minyoung Jung³, Takashi Fujisawa³, Daisuke Saito³, Hirotaka Kosaka^{1,3}, Akemi Tomoda^{1,3}

1.The Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, Japan, 2.United Graduate School of Child Development, Osaka University, Kanazawa University, Hamamatsu University School of Medicine, Chiba University and University of Fukui, Fukui, Japan, 3.Research Center for Child Mental Development, University of Fukui

O-032 Correlation between autonomic emotional response and executive function in children with AD/HD

Tetsuo Ohyama¹, Yusuke Goto¹, Yoshimi Kaga¹, Kakurou Aoyagi¹, Sayaka Ishii¹, Hideaki Kanemura¹, Kanji Sugita¹, Masao Aihara¹

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

O-033 Effects of silent reading and reading aloud on the frontal lobe activity – an NIRS study –

Kenji Mori¹, Hiromichi Ito², Yoshihiro Toda², Tatsuo Mori², Yoko Abe², Masahito Miyazaki², Masafumi Harada³, Shoji Kagami²

1.Department of Child Health & Nursing, Tokushima University Graduate School, Tokushima, Japan, 2.Department of Pediatrics, Tokushima University Graduate School, Tokushima, Japan, 3.Department of Radiology, Tokushima University Graduate School, Tokushima, Japan

O-034 The efficacy of the RTI-model intervention for reading difficulties

Tatsuya Koeda^{1,3}, Ayumi Seki², Hisakazu Yanaka³, Yoriko Akao³, Hitoshi Uchiyama⁴

1.National Center for Child Health and Development, 2.Sapporo JAPAN, 3.Tottori JAPAN, 4.Ohtawara JAPAN

O-035 Brain activity in dyslexic child : using MEG

Kazuyori Yagyu¹, Atsushi Shimojo², Hideaki Shiraishi², Michiru Iwata³, Ryusaku Hashimoto⁴, Ayumi Seki³, Harumitsu Murohashi³, Satoshi Suyama¹, Takuya Saitoh¹

1.Department of Child and Adolescent Psychiatry, Graduate School of Medicine, Hokkaido University, Sapporo, Japan,

2.Department of Pediatrics, Graduate School of Medicine, Hokkaido University, Sapporo, Japan, 3.Faculty of Education,

Graduate School of Medicine, Hokkaido University, Sapporo, Japan, 4.Department of Psychology, Health sciences University of Hokkaido

O-036 A Ph2/3 study of extended-release guanfacine hydrochloride in Japanese pediatric ADHD patients

Yushiro Yamashita¹, Tasuku Miyajima², Kazuhiko Saito³, Masakazu Fujiwara¹, Hironobu Ichikawa¹

1.Department of Pediatrics & Child Health, Kurume University School of Medicine, Fukuoka, Japan, 2.Faculty of Child Studies Department of Education for Childcare, Tokyo Kasei University, Saitama, Japan, 3.Aiiku Research Institute, Tokyo, Japan, 4.SHIONOGI & CO., LTD., Osaka, Japan, 5.Tokyo Metropolitan Children's Medical Center

Oral Presentation

Room 7 10:40-11:40

Genetics 2

Chairs: Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences.), Mari Matsuo (Tokyo Women's Medical University Institute of Medical Genetics)

O-055 MLC1 mutations in Japanese patients with megalencephalic leukoencephalopathy with subcortical cysts
Shino Shimada¹, Toshiyuki Yamamoto², Keiko Shimojima², Satoru Nagata¹

1.The Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan.

O-056 Genetic and biochemical analyses for the diagnosis of mTOR pathway associated megalencephaly

Yutaka Negishi¹, Fuyuki Miya², Ayako Hattori¹, Ikumi Hori¹, Naoki Ando¹, Shinobu Fukumura³, Seiji Mizuno⁴, Ayako Umemura⁵, Yoko Kishimoto⁶, Tsunoda Tsunoda², Yonehiro Kanemura⁷, Kenjiro Kosaki⁸, Shinji Saitoh¹

1.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Department of Medical Science Mathematics, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, 3.Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan, 4.Department of Pediatrics, Central Hospital, Aichi Human Service Center, Aichi, Japan, 5.Department of Pediatric Neurology, Central Hospital, Aichi Human Service Center, Aichi, Japan, 6.Department of Pediatrics, Shimada Ryoiku Center Hachioji, Tokyo, Japan, 7.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital, National Hospital Organization, Osaka, Japan, 8.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan

O-057 Treatment of everolimus for tuberous sclerosis

Kuriko Shimono^{1,2,3}, Akito Watanabe^{2,3}, Kanako Kishimoto^{2,3}, Jyunpei Tanigawa^{2,3}, Yoshiko Iwatani^{1,2,3}, Kouji Tominaga^{1,2,3}, Shin Nabatame^{2,3}, Toshisaburo Nagai^{2,4}, Masako Taniike^{1,2}, Keiichi Ozono^{2,3}

1.United Graduate School of Child Development, Osaka University, 2.Department of pediatrics, Osaka University Graduate School of Medicine, 3.Epilepsy Center, Osaka University Hospital, 4.Poole Gakuin University & College

O-058 Everolimus for subependymal giant cell astrocytoma or renal angiomyolipoma with tuberous sclerosis
Masataka Yonemura¹, Noriko Nakamura², Takuro Irokawa², Keiko Tanabe³

1.Oncology 1 Disease Medical Area, Oncology Development & Medical Affairs, Novartis Pharma K.K., Tokyo, Japan, 2.Oncology Re-Examination Group, Re-Examination Department, Novartis Pharma K.K., Tokyo, Japan, 3.DS&E/PVO Japan Oncology Group, Novartis Pharma K.K., Tokyo, Japan

O-059 Searching drugs for Pelizaeus-Merzbacher disease targeting a novel cellular pathology

Ken Inoue¹, Priyanthi Mangali¹, Ayako Nishizawa¹, Heng Li¹, Shoko Nakamura¹, Hideyuki Saya², Yu-Ichi Goto¹

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

O-060 Mutations in IBA57 gene cause progressive cavitating leukoencephalopathy

Akihiko Ishiyama^{1,2}, Yukari Endo², Yoshiaki Saitou¹, Eiji Nakagawa¹, Hirofumi Komaki¹, Kenji Sugai¹, Masayuki Sasaki¹, Noriko Satou⁴, Yuichi Goto³, Ichizo Nishino²

1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.Department of Radiology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

Oral Presentation

Room 8 10:40-11:40

Epilepsy and convulsive diseases 2

Chairs: Harumi Yoshinaga (Department of Child Neurology, Okayama University Postgraduate School of Medicine), Shintaro Yamashita (Juntendo University Nerima Hospital)

O-079 Early onset response is a predictor of better outcome of vagus nerve stimulation therapy

Ayataka Fujimoto, Tohru Okanishi, Hirotaka Motoi, Sotaro Kanai, Takuya Yokota, Hideo Enoki
Seirei Hamamatsu General Hospital, Comprehensive Epilepsy Center, Japan

O-080 Activated microglia as a potential therapeutic target for epileptogenesis after status epilepticus

Fumikazu Sano^{1,2}, Eiji Shigetomi², Schuichi Koizumi², Hideaki Kanemura¹, Kanji Sugita¹, Masao Aihara¹

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

- O-081 The study of child temporal lobe epilepsy about hippocampal sclerosis and the febrile convulsion
Noriko Koide¹, Ryoko Honda¹, Tadateru Yasu¹, Shigeki Tanaka¹, Tomonori Ono², Keisuke Toda², Hiroshi Baba²
1. Department of Pediatrics, National Hospital Organization Nagasaki Medical Center, Nagasaki, Japan, 2. Department of Neurosurgery, National Hospital Organization Nagasaki Medical Center, Nagasaki, Japan
- O-082 Tuberous Sclerosis registry to increase disease awareness (TOSCA) : 2nd interim analysis results
Jun Tohyama¹, Hideo Kaneko², Katsumi Imai³, Katsuhisa Urano⁴, Masaya Kubota⁵, Shoichi Endo⁶, Yukitoshi Takahashi³
1. Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 2. Nagara Medical Center, Gifu, Japan, 3. Department of Pediatrics, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 4. Epilepsy Center, Yamagata National Hospital, Yamagata, Japan, 5. Department of Neurology, National Center for Child Health and Development, Tokyo, Japan, 6. Department of Pediatrics, Shikoku Medical Center for Children and Adults, Zentsuji, Japan
- O-083 Efficacy of vigabatrin for tuberous sclerosis complex with epileptic spasms
Yoshiko Iwatani^{1,2,3}, Kuriko Shimono^{1,2,3}, Akito Watanabe^{1,3}, Kanako Kishimoto^{1,3}, Junpei Tanigawa^{1,3}, Kouji Tominaga^{1,2,3}, Shin Nabatame^{1,3}, Keiichi Ozono^{1,3}
1. Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan, 2. Department of Child Development, United Graduate School of Child Development, Osaka University, Suita, Japan, 3. Osaka University Hospital Epilepsy Center
- O-084 Clinical study of epilepsy surgery in children with tuberous sclerosis complex
Shinsuke Maruyama^{1,2}, Ryosuke Hanaya^{2,3}, Hiroshi Hosoyama^{2,3}, Kenji Watanabe⁴, Kazuyuki Yotsumata⁴, Chihiro Yonee⁵, Nozomi Sano⁵, Toshiaki Otsubo⁶, Kazunori Arita³, Yoshifumi Kawano¹
1. Department of Pediatrics, Kagoshima University, Kagoshima, Japan, 2. Kagoshima, Japan, 3. Kagoshima, Japan, 4. Kagoshima, Japan, 5. Aira city, Japan, 6. Miyakonojo city, Japan

English Session

Room 6 10:45-11:45

Epilepsy and convulsive diseases 2

Chairs: Raman Sankar (Pediatric Neurology Ronald Reagan UCLA Medical Center, USA), Katsuhiro Kobayashi (Okayama University Graduate School, Department of Child Neurology)

- E-008 Effect of low dose everolimus on SEGA in tuberous sclerosis complex : volumetric study
Jun Natsume^{1,2}, Chikako Ogawa², Yuji Ito², Yoko Sakaguchi², Yu Okai², Atsuko Ono², Tomohiko Nakata², Hiroyuki Kidokoro², Tamiko Negoro², Kazuyoshi Watanabe²
1. Department of Developmental Disability Medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan, 2. Department of Pediatrics, Nagoya University Graduate School of Medicine
- E-009 Newly identified mutations in PIGA cause intellectual disability with seizures and hypotonia
Kazuyuki Nakamura¹, Mitsuhiro Kato^{1,7}, Periklis Makrythanasis^{3,4}, Maha Zaki⁵, Hiroto Saito⁶, Federico Santoni^{3,4}, Satoko Miyatake⁶, Mitsuko Nakashima⁶, Naomichi Matsumoto⁶, Hanan Hamamy³, Eamonn Sheridan⁸, Taroh Kinoshita², Stylianos E Antonarakis^{3,4}, Yoshiko Murakami²
1. Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan, 2. Department of Immunoregulation, Research Institute for Microbial Diseases, and World Premier International Immunology Frontier Research Center, Osaka University, 3. Department of Genetic Medicine and Development, University of Geneva, Geneva, Switzerland, 4. Service of Genetic Medicine, University Hospitals of Geneva, Geneva, Switzerland, 5. Department of Clinical Genetics, National Research Centre, Cairo, Egypt, 6. Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan, 7. Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 8. School of Medicine, University of Leeds, Leeds, United Kingdom
- E-010 A retrospective study of convulsive pediatric patients taken to Uwajima City Hospital by ambulance
Kentaro Okamoto^{1,2}, Mitsumasa Fukuda³
1. Department of Regional Pediatrics and Perinatology, Ehime University Graduate School of Medicine, Toon, Ehime, Japan, 2. Department of Pediatrics, Uwajima City Hospital, Uwajima, Ehime, Japan, 3. Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan
- E-011 HMGB1 enhances acquired epileptogenesis with astrogliosis after infantile prolonged febrile seizures
Masanori Ito¹, Mitsumasa Fukuda¹, Yano Yoshiaki¹
1. Department of Pediatrics, Ehime University Graduate School of Medicine, Ehime, Japan, 2. Department of Molecular and Cellular Physiology, Ehime University Graduate School of Medicine, Ehime, Japan
- E-012 Effective antiepileptic drugs for non-idiopathic focal epilepsies by precise seizure symptoms
Kenji Sugai¹, Takashi Saito¹, Eiji Nakagawa¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Eri Takeshita¹, Hirofumi Komaki¹, Masayuki Sasaki¹, Taisuke Otsuki²
1. Department of Child Neurology, National Center of Neurology and Psychiatry, Kodaira, Japan, 2. Epilepsy Center, National Center of Neurology and Psychiatry, Kodaira, Japan

The 58th Annual Meeting of the Japanese Society of Child Neurology

E-013 Poor efficacy of vagus nerve stimulation for epileptic spasms or tonic seizures

Tohru Okanishi¹, Takuya Yokota¹, Hideo Enoki¹, Ayataka Fujimoto², Takamichi Yamamoto², Hiroataka Motoi¹, Soutaro Kanai¹

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

Special Lecture 2

Room 1 11:50-12:35

Infantile spasms and West syndrome : how can we best improve long—term outcomes?

Chair: Hirokazu Oguni (Tokyo Women's Medical University)

Andrew L. Lux (Bristol Royal Hospital for Children, Bristol, UK)

Luncheon Seminar 1

Room 1 12:50-13:50

(Sponsored by Alfresa Pharma Corporation)

Vigabatrin treatment for West syndrome

Chair: Yoko Otsuka (Asahigawaso Rehabilitation and Medical Center, Department of Child Neurology)

Hirokazu Oguni (Department of Pediatrics, School of Medicine, Tokyo Women's Medical University)

Luncheon Seminar 2

Room 2 12:50-13:50

(Sponsored by NIHON KOHDEN CORPORATION)

Earlier consideration of surgical treatment for drug—resistant epilepsy in children : presurgical workups, surgical procedures, and outcome

Chair: Kenji Sugai (Department of Child Neurology, National Center of Neurology and Psychiatry)

Kensuke Kawai (Department of Neurosurgery, Jichi Medical University, Tochigi, Japan)

Luncheon Seminar 3

Room 3 12:50-13:50

(Sponsored by UCB Japan Co. Ltd. / Otsuka Pharmaceutical Co., Ltd.)

Recent advance on the treatment of pediatric epilepsy — cases and knowledge —

Chair: Takao Takahashi (Department of pediatrics, Keio University school of Medicine)

The practice of therapy for intractable epilepsy in childhood

Ryoko Honda (Department of Pediatrics, National Hospital Nagasaki Medical Center, Nagasaki, Japan)

Update on the pharmacologic management of common pediatric epilepsy syndromes

Raman Sankar (Pediatric Neurology, David Geffen School of Medicine UCLA Los Angeles, California, USA)

Luncheon Seminar 4

Room 4 12:50-13:50

(Sponsored by Pfizer Japan Inc.)

Thyroid hormone and brain development

Chair: Hiroko Kodama (Teikyo Heisei University)

Kazumichi Oniagta (Shimane University Hospital Postgraduate Clinical Training Center)

Luncheon Seminar 5

Room 5 12:50-13:50

(Sponsored by Genzyme Japan K.K.)

Chair: Torayuki Okuyama (National Center for Child Health and Development)

Clinical pearls for early diagnosis of Gaucher's disease

Narita Aya (Division of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan)

The technique in making a diagnosis of myopathy in daily clinical practice

Ishigaki Keiko (Department of Pediatrics, School of Medicine, Tokyo Women's Medical University)

Luncheon Seminar 6

Room 6 12:50-13:50

(Sponsored by SHIONOGI & CO., LTD. / Shire Japan KK)

Monoaminergic neurotransmission of AD/HD

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

Ichiro Sorai (Department of Psychiatry Kobe University Graduate School of Medicine)

Luncheon Seminar 7

Room 7 12:50-13:50

(Sponsored by Yakult Honsha Co.,Ltd.)

Gut microbiota and mental health

Chair: Yuichiro Yamashiro (Juntendo University School of Medicine)

Nobuyuki Sudo (Department of Psychosomatic Medicine, Graduate School of Medical Sciences, Kyushu University)

Luncheon Seminar 8

Room 8 12:50-13:50

(Sponsored by GE Healthcare Japan Corporation)

Cerebral palsy and fetal heart rate monitoring

Chair: Masahiro Hayakawa (Nagoya University Graduate School of Medicine)

Tomoaki Ikeda (Mie University Hospital)

Symposium 4

Room 1 14:00-15:40

Guidelines for acute encephalopathy proposed by the Japanese Society of Child Neurology

Chairs: Akihisa Okumura (Department of Pediatrics, Aichi Medical University), Jun-ichi Takahashi (Tokyo Women's Medical University Yachiyo Medical Center Department of Pediatrics)

Acute encephalopathy : epidemiology, diagnosis and therapy in Japan

Masashi Mizuguchi (Department of Developmental Medical Sciences, The University of Tokyo, Tokyo, Japan)

Acute encephalopathy due to inherited metabolic disease

Kei Murayama (Department of Metabolism, Chiba Children's Hospital)

EEG in children with acute encephalopathy

Akihisa Okumura (Department of Pediatrics, Aichi Medical University, Nagakute, Japan)

Steroid pulse therapy and intravenous immunoglobulin therapy

Takashi Ichiyama (Department of Pediatrics, Tsudumigaura Medical Center for Children with Disabilities, Yamaguchi, Japan)

Hypothermia therapy on acute encephalopathy in infancy and childhood

Hideo Yamanouchi¹, George Imataka²

1. Department of Pediatrics, Saitama Medical University, 2. Department of Pediatrics, Dokkyo Medical University School of Medicine, Tochigi, Japan

Symposium 5

Room 2 14:00-15:40

Current topics of medical care for children with neurodevelopmental disorders

Chairs: Tasuku Miyajima (Faculty of Child Studies Department of Education for Childcare, Tokyo Kasei University, Saitama, Japan), Tatsuya Koeda (Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

Genetic and environmental factors associated with neurodevelopmental disorders : Overview

Takeo Kubota (Department of Pediatrics, Anjo Kosei Hospital)

How understand the symptoms of neurodevelopmental disorders from the viewpoint of person concerned

Junichi Furusho, Yusuke Isozaki (College of Education, human studies and psychology Aoyamagakuin University)

An overview of recent clinical neuroimaging in developmental disorders

Kazuyo Tanji¹, Haruhisa Ota¹, Ryuichiro Hashimoto^{1,3}, Nobumasa Kato^{1,2}

1. Medical Institute of Developmental Disabilities Research, Showa University, Tokyo, Japan 2. Seiwa Hospital, Institute of Neuropsychiatry, Tokyo, Japan 3. Department of Language Sciences, Tokyo Metropolitan University, Tokyo, Japan

Biological basis of neurodevelopmental disorders

Toru Takumi (RIKEN Brain Science Institute, Wako, Japan)

Symposium 6

Room 3 14:00-15:40

Let's join in rehabilitation for children!

Chairs: Hiroshi Arai (Department of Pediatric Neurology, Morinomiya Hospital), Hiroshi Ozawa (Shimada Ryoiku Center Hachioji)

Pediatric rehabilitation : general statement especially team approach

Mana Kurihara (The Kanagawa Rehabilitation Center)

Revolution of rehabilitation for cerebral palsy by pediatric neurologists

Hiroshi Arai (Department of Pediatric Neurology, Morinomiya Hospital)

Rehabilitation in paediatric critical care medicine

Naoki Shimizu¹, Sahoko Miyama²

1.Department of Paediatric Emergency & Critical Care Medicine, Tokyo Metropolitan Children's Medical Centre, Tokyo, Japan 2.Division of Neurology, Tokyo Metropolitan Children's Medical Centre, Tokyo, Japan

Continuous rehabilitation aid for the patients with neurosurgical diseases

Yuichiro Nonaka, Ai Masumoto (Division of Pediatric Neurosurgery, Department of Neurosurgery, Jikei university, Tokyo, Japan)

Rehabilitation for children with acquired brain injury

Manabu Yoshihashi (The department of pediatrics, Kanagawa rehabilitation center, Kanagawa, Japan)

Oral Presentation

Room 4 14:00-15:00

Encephalitis and encephalopathy 3

Chairs: Yukitoshi Takahashi (Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan), Yasuhiro Suzuki (Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health)

O-013 The sequelae of status epilepticus could control by combination of BZPs and NKCC1 inhibitor

Keisuke Nakajima^{1,2}, Shinobu Hirai¹, Haruo Okado¹

1.Department of Brain Development and Neural Regeneration, Neural Development Project, Tokyo Metropolitan Institute of Medical Science, Japan, 2.Tokyo Medical and Dental University, Tokyo, Japan

O-014 Development of the rapid and quantitative anti-MOG autoantibody assay using flow cytometry

Kuniko Kohyama, Ayuko Igarashi, Tomonori Suzuki, Hiroshi Sakuma (Mental Development project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

O-015 Barbiturate-coma therapy in the treatment of acute encephalopathy

Yusuke Ishida¹, Kazumi Tomioka², Tsukasa Tanaka¹, Masahiro Nishiyama², Kyoko Fujita¹, Daisaku Toyoshima¹, Azusa Maruyama¹, Hiroaki Nagase², Hiroki Takeda³, Yoshiyuki Uetani³

1.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan, 2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 3.Department of Emergency and Critical Care Medicine, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan

O-016 Comparison of cyclosporine blood concentrations of brain hypothermia therapy in acute encephalopathy

Yuh Fujiwara, Hikri Kaba, Hirotaka Motoi, Yoshihiro Watanabe, Soyoko Takeshita (Children's Medical Center, Yokohama City University, Yokohama, Japan)

O-017 The analysis of prognostic factors for AEFCS

Masataka Fukuoka¹, Hisashi Kawawaki¹, Ichirou Kuki¹, Kiyohiro Kin¹, Yuka Hattori¹, Hitomi Tsuji¹, Megumi Nukui¹, Shin Okazaki¹, Junichi Ishikawa^{1,2}, Kiyoko Amou^{1,2}, Masao Togawa², Hiroshi Rinka³, Kiyotaka Tomiwa⁴, Masashi Shiomi⁵

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

O-018 Early predictors of acute encephalopathy-associated mortality and morbidity in children

Chizu Oba¹, Mitsuru Kashiwagi¹, Takuya Tanabe², Motoko Ogino¹, Syuichi Shimakawa³, Hiroshi Tamai³

1.Hirakata city hospital, Osaka, Japan, 2.Tanabe child clinic, Osaka, Japan, 3.Osaka medical college hospital, Osaka, Japan

Oral Presentation

Room 5 14:00-15:00

Neurodevelopmental disorders 3

Chairs: Tamiko Negoro (Faculty of Child Development, NIHON FUKUSHI UNIVERSITY), Kyoko Hirasawa (Dept of Pediatrics, Tokyo women's Medical University)

O-037 Comprehensive analyses of RBFOX1, a "hub" gene in the ASD gene transcriptome network

Koh-Ichi Nagata, Nanako Hamada, Hidenori Ito, Hidenori Tabata (Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center)

- O-038 Study on the development of joint attention in low-risk very and extremely low birth weight infants
Noriko Yamaoka^{1,2}, Satoshi Takada¹
1. Graduate School of Health Sciences, Kobe University, Kobe, Japan, 2. Kobe Tokiwa University, Kobe, Japan
- O-039 Analysis of questionnaire of triage and assessment (QTA) and next subject
Ishii Ryuta¹, Sinichirou Nagamitsu¹, Junichi Furusyou², Yuushirou Yamashita¹, Hidetaka Tanaka³
1. The Department of medicine, University of Kurume, Hukuoka, Japan, 2. The Department of Education, Psychology and Human Studies, Aoyama Gakuin University, Tokyo, Japan, 3. Orthostatic Dysregulation Hypotension Clinic Tanaka, Osaka, Japan
- O-040 Evaluation and intervention into cognitive dysfunction in childhood cancer survivors
Megumi Nukui^{1,2}, Kaori Nagayasu², Yumiko Kusama², Maaya Ooishi², Kiyohiro Kin¹, Masataka Hukuoka¹, Ichiro Kuki¹, Shin Okazaki¹, Masako Okada¹, Keiko Okada³, Hisashi Kawawaki¹, Tunemasa Aiba², Jyunichi Hara³
1. The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan, 2. The Department of Pediatric Speech Therapy, Osaka City General Hospital, Osaka, Japan, 3. The Department of Pediatric Oncology, Osaka City General Hospital, Osaka, Japan
- O-041 Diagnosis and outcome of children with motor developmental delay who visit to our outpatient service
Yumiko Takashima, Azusa Ikeda, Keiko Watanabe, Yu Tsuyusaki, Kazushi Ichikawa, Megumi Tsuji, Mizue Iai, Sumimasa Yamashita, Tomohide Goto (Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan)
- O-042 Developmental prognosis of "sitting on the air" and shuffling babies
Takeshi Miyamoto, Hidetoshi Ishigaki (Department of Pediatrics, Hamamatsu Medical Center)

English Session

Room 6 14:00-15:00

Genetics

Chairs: Kenjiro Kosaki (Center for Medical Genetics Keio University School of Medicine), Mitsuhiro Kato (Showa University)

- E-014 Exome analyses identify the first mutations in Japanese patients with Bardet—Biedl syndrome
Makito Hirano^{1,2}, Wataru Satake³, Kenji Ihara⁴, Ikuya Tsuge⁵, Yutaka Suzuki⁶, Yusaku Nakamura¹, Susumu Kusunoki², Tatsushi Toda³
1. Department of Neurology, Sakai Hospital Kinki University, Sakai, Japan, 2. Department of Neurology, Kinki University, Osakasayama, Japan, 3. Division of Neurology/Molecular Brain Science, Kobe University Graduate School of Medicine, Kobe, Japan, 4. Department of Pediatrics, Faculty of Medicine, Oita University, Yufu, Japan, 5. Department of Pediatrics, Fujita Health University, Toyoake, Japan, 6. Department of Computational Biology, Graduate School of Frontier Sciences, The University of Tokyo, Kashiwa, Japan
- E-015 A child presenting distinct phenotype in severe alternating hemiplegia with a novel ATP1A3 mutation
Naoko Ishihara¹, Misa Miyake¹, Yoshiki Kawamura¹, Tetsushi Yoshikawa¹, Hidehito Inagaki², Hiroki Kurahashi²
1. Department of Pediatrics, Fujita Health University School of Medicine, Toyoake, Japan, 2. Division of Molecular Genetics, Institute for Comprehensive Medical Science, Fujita Health University, Toyoake, Japan
- E-016 A female case of Warsaw breakage syndrome showing microcephaly with simplified gyral pattern
Karin Kojima¹, Yuri Kuroiwa¹, Kei Wakabayashi¹, Masako Nagashima¹, Nan Jia³, Yuka Nakazawa⁶, Hiroto Saito², Naomichi Matsumoto², Tomoo Ogi³, Mitsuhiro Kato^{4,5}, Hitoshi Osaka¹, Takanori Yamagata¹
1. The Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2. Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Kanazawa, Japan, 3. Department of Genetics, Research Institute of Environmental Medicine Nagoya University, Nagoya, Aichi, Japan, 4. Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 5. Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata, Japan, 6. Department of Genome Repair, Atomic Bomb Disease Institute, Nagasaki University, Nagasaki, Japan
- E-017 Gene therapy for a mouse model of glucose transporter—1 deficiency syndrome
Sachie Nakamura¹, Hitoshi Osaka¹, Shin-Ichi Muramatsu^{2,7}, Naomi Takino², Shiho Aoki¹, Eriko Jimbo¹, Kuniko Shimazaki³, Tatsushi Onaka⁴, Sumio Ohtsuki⁵, Tetsuya Terasaki⁶, Takanori Yamagata¹
1. Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2. Division of Neurology, Jichi Medical University, Tochigi, Japan, 3. Department of Neurosurgery, Jichi Medical University, Tochigi, Japan, 4. Division of Brain and Neurophysiology, Department of Physiology, Jichi Medical University, Tochigi, Japan, 5. Department of Pharmaceutical Microbiology, Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan, 6. Division of Membrane Transport and Drug Targeting, Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai, Japan, 7. Center for Gene and Cell Therapy, The Institute of Medical Science, The University of Tokyo, Japan
- E-018 CRISPR/Cas9 genome editing for cellular modeling of microcephaly
Ganeshwaran Hitoshi Mochida^{1,2}, Tojo Nakayama¹, Dylan Vaughan¹, Anna Rajab³, Atyah Al Zaharani⁴, Mert Mestanoglu¹, Elizabeth Ross^{4,5}, Chiara Manzini⁶, Jennifer Partlow¹, Sean Hill¹
1. Division of Genetics and Genomics, Manton Center for Orphan Disease Research, Boston Children's Hospital, Boston, MA, USA, 2. Pediatric Neurology Unit, Massachusetts General Hospital, Boston, MA, USA, 3. National Genetics Center, Ministry of Health, Muscat, Sultanate of Oman, 4. Neonatology, King Fahad Medical City, Riyadh, Kingdom of Saudi Arabia, 5. Neuroscience, Weill Cornell Medical College, New York, NY, USA, 6. Department of Pharmacology and Physiology, The George Washington University, Washington, DC, USA

E-019 Reelin coupled with myelin may play a role in long—term maintenance of myelin

Kimiko Deguchi^{1,2}, Takao Honda², Ken-Ichiro Kubo², Kazunori Nakajima², Ken Inoue³

1.Deguchi Pediatric Clinic, Nagasaki, Japan, 2.Department of Anatomy, Keio University School of Medicine, Tokyo, Japan,

3.National Institute of Neuroscience, NCNP, Dept. of Mental Retardation and Birth Defect Research

Oral Presentation

Room 7 14:00-15:00

Malformation and chromosome aberration

Chairs: Akihiko Tateno (Division of Neurology, Department of Internal Medicine, Sakura Medical Center, Toho University.), Takanori Yamagata (Jichi Medical University, Department of Pediatrics.)

O-061 Brain morphologic analysis in Gorlin syndrome

Tadashi Shiohama¹, Katsunori Fujii¹, Toshiyuki Miyashita², Hideki Uchikawa^{1,3}, Hiromi Mizuochi^{1,3}, Hajime Ikehara¹, Toshiyuki Fukuhara¹, Naoki Shimojo¹

1.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan, 2.Department of Molecular Genetics, Kitasato University School of Medicine, Kanagawa, Japan, 3.Department of Pediatrics, Eastern Chiba Medical Center, Chiba, Japan

O-062 Neurological co-morbidity in children with neurofibromatosis type 1

Keiko Hirabaru, Muneaki Matsuo (Saga University Hospital, Saga, Japan)

O-063 A case of CODAS syndrome with regression and progressive cerebral atrophy

Takehiko Inui¹, Mai Anzai¹, Takezawa Yusuke¹, Wakaba Endo¹, Keisuke Wakusawa², Soichiro Tanaka³, Chihiro Ohba⁴, Hiroto Saito⁴, Naomichi Matsumoto⁴, Kazuhiro Haginoya¹

1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan, 2.Research Center for Child Mental Development, Hamamatsu University School of Medicine, Hamamatsu, Japan, 3.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

O-064 Clinical features and treatment outcome of periventricular nodular heterotopia

Takao Komatsubara¹, Shinichi Magara¹, Yu Kobayashi¹, Kenichi Okazaki¹, Jun Touyama¹, Naoya Hasegawa², Hiroshi Shirozu³, Hiroshi Masuda³, Masashi Hukuda³

1.Nishi Niigata Chuo National Hospital, Niigata, Japan, 2.Nishi Niigata Chuo National Hospital, Niigata, Japan, 3.Nishi Niigata Chuo National Hospital, Niigata, Japan

O-065 A patient with the deletion of 7p21.1 in Saethre-Chotzen syndrome

Hiroko Shimbo¹, Tatsuki Oyoshi², Kenji Kurosawa³

1.Clinical Research Institute, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Department of Neurosurgery, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima, Japan, 3.Department of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan

O-066 Effects of in utero exposure to valproate on murine cerebral cortical histogenesis

Kimino Fujimura¹, Takayuki Mitsuhashi¹, Shinsuke Shibata², Sachiko Shimozato¹, Takao Takahashi¹

1.Department of Pediatrics, School of Medicine, Keio University, Tokyo, Japan, 2.Department of Physiology, School of Medicine, Keio University, Tokyo, Japan

Oral Presentation

Room 8 14:00-15:00

Epilepsy and convulsive diseases 3

Chairs: Shinichi Hirose (Fukuoka University), Shinichiro Hamano (Division of Neurology, Saitama Children's Medical Center)

O-085 Study on refractoriness to ACTH therapy in West syndrome based on the ictal EEG of spasms

Shibuya Ikuhiko, Kenji Sugai, Eri Takeshita, Yuko Motohashi, Akihiko Ishiyama, Takashi Saito, Hirofumi Komaki, Eiji Nakagawa, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-086 Treatment and seizure outcome of West syndrome in patients with Leigh syndrome

Takeshi Ono, Kenji Sugai, Eri Takeshita, Yuko Motohashi, Akihiko Ishiyama, Takashi Saito, Hirofumi Komaki, Eiji Nakagawa, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-087 Clinical study of 11 patients with benign infantile seizure

Hidekazu Tachibana^{1,2}, Chizuru Nishizato², Takumi Okada², Tomoyuki Shimazu², Hiroe Ueno², Hoseki Imamura², Takaaki Sawada³

1.Kumamoto city hospital, 2.Kumamoto Saishunso National Hospital, 3.Minamata City General Hospital and Medical Center

O-088 Utility of the screening test for early diagnosis of Dravet syndrome

Mari Akiyama^{1,2}, Yumiko Hayashi^{1,2}, Fumika Endoh^{1,2}, Harumi Yoshinaga^{1,2,3}, Katsuhiro Kobayashi^{1,2,3}

1.Department of Child Neurology, Okayama University Hospital, Okayama, Japan, 2.Epilepsy Center, Okayama University Hospital, Okayama, Japan, 3.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

- O-089 Efficacy of steroid pulse therapy in epilepsy with continuous spike and waves during sleep
Shinichi Magara, Takao Komatsubara, Yu Kobayashi, Kennichi Okazaki, Jun Tohyama (Nishi-Niigata Chuo National Hospital, Niigata, Japan)
- O-090 Effective antiepileptic drugs for epilepsy in Angelman syndrome
Yui Otani^{1,2}, Hirikazu Oguni¹, Aiko Nidhikawa¹, Kaoru Eto¹, Susumu Ito¹, Makoto Funatsuka¹, Kyoko Hirasawa¹, Satoru Nagata¹
1.Tokyo Women's Medical University,Tokyo, Japan, 2.Matsudo clinic

Oral Presentation

Room 4 15:00-16:00

Infection and immunity

Chairs: Mitsuaki Hosoya (Department of Pediatrics,Fukushima Medical University), Yoshihiro Maegaki (Division of Child Neurology,Department of Brain and Neurosciences,Tottori University)

- O-019 Usefulness of anti-MOG antibody as a therapeutic biomarker in ADEM followed by optic neuritis
Yuji Hashimoto¹, Toshiyuki Takahashi^{2,3}, Yuzo Tanabe^{1,4}, Toshihiro Suzuki⁵, Kimihiko Kaneko², Toshiaki Jibiki¹, Masaki Kanazawa¹, Masaru Terai¹
1.Department of Pediatrics, Chiba Kaihin Municipal Hospital, Chiba, Japan, 2.Department of Neurology, Tohoku University School of Medicine, Miyagi, Japan, 3.Department of Neurology, Yonezawa National Hospital, Yamagata, Japan, 4.Soga Pediatric Clinic, Chiba, Japan, 5.Department of Pediatrics, Tokyo Metropolitan Tobu Medical Center, Tokyo, Japan
- O-020 Serial monitoring of serum BAFF levels in childhood-onset ocular myasthenia gravis
Mitsuo Motobayashi¹, Takafumi Nishimura², Makoto Nishioka³, Yoichiro Kawasaki³, Yuji Inaba³
1.Department of Neonatology, Shinshu University School of Medicine, Matsumoto, Japan, 2.Department of Pediatrics, National Hospital Organization Matsumoto Medical Center, Matsumoto, Japan, 3.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan
- O-021 Type I interferon response induced by transfected self DNA
Ayuko Igarashi^{1,2}, Hiroshi Sakuma¹, Tomonori Suzuki¹, Kuniko Koyama¹, Shinpei Abe², Mitsuru Ikeno², Masatoshi Takagi³, Akihisa Okumura⁴, Toshiaki Shimizu², Masaharu Hayashi¹
1.Department Of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, 2.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan, 3.Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan, 4.Department of Pediatrics, Aichi Medical University, Aichi, Japan
- O-022 Nine cases in patients with early childhood onset myasthenia gravis
Kazuya Itomi, Motomasa Suzuki, Yuusuke Aoki, Syo Narahara (The Department of Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- O-023 Time-course study by brain MRI focused on recovery phase in pediatric demyelinating disease
Makoto Nishioka, Yuji Inaba, Syoko Yamauchi, Yoichiro Kawasaki, Mitsuo Motobayashi, Naoko Siba (Department of Pediatrics, University of Shinshu, Nagano, Japan)
- O-024 Plasma exchange in pediatric neurological disorder
Kiyohiro Kim¹, Hisashi Kawawaki¹, Masataka Fukuoka¹, Yuka Hattori¹, Hitomi Tsuji¹, Megumi Nukui¹, Ichiro Kuki¹, Shin Okazaki¹, Junichi Ishikawa², Kiyoko Amo², Masao Togawa², Koji Rinka³, Yasunori Otuska⁴, Atsushi Ujio⁴, Hideki Shimaoka⁴
1.The Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan, 2.The Department of Pediatric Emergency, Osaka City General Hospital, Osaka, Japan, 3.The Department of Emergency, Osaka City General Hospital, Osaka, Japan, 4.The Department of Critical Care, Osaka City General Hospital, Osaka, Japan

Oral Presentation

Room 5 15:00-16:00

Muscular diseases

Chairs: Shigemi Kimura (Kumamoto city child Department support center), Yasuhiro Takeshima (Hyogo College of Medicine)

- O-043 The gross motor function measure is a valid for Fukuyama congenital muscular dystrophy
Takatoshi Sato¹, Michiru Adachi², Terumi Murakami¹, Kumiko Ishiguro¹, Minobu Shichiji¹, Masaya Zushi², Kaho Nakamura², Keisuke Goto², Tetsuo Ikai², Izumi Kondo³, Satoru Nagata¹, Keiko Ishigaki¹
1.Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, 2.Department of Rehabilitation, School of Medicine, Tokyo Women's Medical University, 3.Department of Rehabilitation Medicine, National Hospital for Geriatrics Medicine
- O-044 Correlation between MRI STIR image of lower limbs and BIA in the natural course of FCMD patients
Terumi Murakami¹, Takahiro Nakayama², Michiru Adachi³, Kumiko Ishiguro¹, Takatoshi Sato¹, Minobu Shitiji¹, Tomoka Uchiyama⁴, Satoshi Kuru⁵, Satoru Nagata¹, Keiko Ishigaki¹
1.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Neurology, Yokohama Rosai Hospital, Yokohama, Japan, 3.Department of Rehabilitation, Tokyo Women's Medical University, 4.TANITA Body Weight Scientific Institute, Tokyo, Japan., 5.Department of Neurology, National Hospital Organization Suzuka National Hospital, Mie, Japan

O-045 Duchenne muscular dystrophy case with splice donor site mutation in intron 64

Hiroyuki Awano¹, Masaaki Matsumoto¹, Kazumi Tomioka¹, Ai Unzaki¹, Masahiro Nishiyama¹, Tomoko Lee², Hiroaki Nagase¹, Mariko Ikeda¹, Mariko Yagi³, Yasuhiro Takeshima², Masafumi Matsuo⁴, Kazumoto Iijima¹

1.Department of Pediatrics, Kobe Graduate School of Medicine, Kobe, Japan, 2.Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan, 3.Nikoniko House Center, Kobe, Japan, 4.Department of Physical Therapy, Faculty of Rehabilitation, Kobegakuin University, Kobe Japan

O-046 Disaster preparedness in patients of muscular dystrophy : a questionnaire survey

Sayaka Kato¹, Ayako Hattori¹, Kumiko Mizuno¹, Shinji Saitoh¹, Kenji Yazawa², Hisanobu Kaitani²

1.Department of Neonatology and Pediatrics, Nagoya City University Graduate school of Medical Sciences, Nagoya, Japan, 2.The Japan Muscular Dystrophy Association, Tokyo, Japan

O-047 A pediatric case of anti-HMG-CoA-reductase antibody-associated autoimmune myopathy

Hisashi Itabashi¹, Takeshi Inoue¹, Ryoko Otani¹, Nobuyuki Murakami¹, Ryoichi Sakuta¹, Ichizo Nishino²

1.Department of Pediatrics, Dokkyo Medical University Koshigaya Hospital, 2.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

O-048 ENA antisense oligonucleotide improved 6-minute walk distance in Duchenne muscular dystrophy

Tomoko Lee¹, Hideki Shimomura¹, Hiroyuki Awano², Kazumoto Iijima², Masafumi Matsuo³, Yasuhiro Takeshima¹

1.Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan, 2.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 3.Department of Medical Rehabilitation, Kobegakuin University, Kobe, Japan

English Session

Room 6 15:00-16:00

Neuroimaging

Chairs: A. James Barkovich (University of California, San Francisco UCSF—Benioff Children's Hospital, USA), Masayuki Sasaki (Department of Child Neurology, National Center of Neurology and Psychiatry)

E-020 Transient increase of fractional anisotropy in acute reversible encephalopathy

Shihoko Kimura-Ohba, Yi Yang, Gary Rosenberg (University of New Mexico, HSC, Department of Neurology)

E-021 Mucopolidosis IV : a milder form with novel mutations and serial MRI findings

Takashi Shiihara¹, Yasuhiro Maruyama², Mio Watanabe¹, Kengo Moriyama¹, Mitsugu Uematsu³, Atsuo Kikuchi³, Natsuko Arai-Ichinoi³, Kiyoko Sameshima⁴

1.Department of Neurology, Gunma Children's Medical Center, Gunma, Japan, 2.Department of Ophthalmology, Kiryu Kosei General Hospital, Gunma, Japan, 3.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 4.Division of Medical Genetics, Gunma Children's Medical Center, Gunma, Japan

E-022 Brain MRI findings in patients with alternating hemiplegia of childhood

Masayuki Sasaki¹, Atsushi Ishii², Yoshiaki Saito³, Shinichi Hirose²

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

E-023 Maturational change of GABAergic system measured with 123I—iomazenil SPECT

Satoru Ikemoto^{1,2}, Hamano Shin-Ichiro^{1,3}, Erika Hiwatari¹, Yuko Hirata¹, Ryuki Mastuura¹, Kenjiro Kikuchi², Reiko Koichihara³, Manabu Tanaka³, Motoyuki Minamitani¹

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

E-024 The neural effects of intranasal oxytocin administration in reactive attachment disorder

Shinichiro Takiguchi¹, Takashi X. Fujisawa², Sakae Mizushima³, Daisuke N. Saito^{2,4}, Koji Shimada^{2,4}, Yuko Okamoto², Yoshifumi Mizuno^{1,3}, Hirotaka Kosaka^{1,2,5}, Akemi Tomoda^{1,2}

1.Department of Child and Adolescent Psychological Medicine, University of Fukui Hospital, Fukui, Japan, 2.Research Center for Child Mental Development, University of Fukui, Fukui, Japan, 3.Division of Developmental Higher Brain Functions, United Graduate School of Child Development, University of Fukui, Fukui, Japan, 4.Biomedical Imaging Research Center, University of Fukui, Fukui, Japan, 5.Department of Neuropsychiatry, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

E-025 Focal cortical dysplasia at the bottom of sulcus on advanced dynamic statistical parametric mapping

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

Oral Presentation

Room 7 15:00-16:00

Involuntary movement

Kazue Kimura (Neurological Clinic for Children), Satoko Kumada (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital)

O-067 A pediatric case of hereditary chin trembling

Tomoyuki Akiyama¹, Takashi Shibata¹, Yoshiyuki Hanaoka¹, Harumi Yoshinaga², Katsuhiro Kobayashi²

1.Department of Child Neurology, Okayama University Hospital, Okayama, Japan, 2.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences

O-068 Biomarker analysis in patients with ataxia telangiectasia during oral betamethasone treatment

Naoyuki Tanuma¹, Rie Miyata², Masaharu Hayashi², Hiroshi Sakuma², Satoko Kumada³, Setsuko Hasegawa⁴, Masatoshi Takagi⁴

1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 2.Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 3.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 4.Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan

O-069 Electro-oculogram (EOG) evaluation of Gille de la Tourette syndrome reflects basal ganglia function

Kyoko Hoshino¹, Yuri Nagao¹, Masaharu Hayashi², Kazue Kimura¹, Kei Hachimori¹, Hideki Fukuda¹, Shin-Ichi Tokushige³, Yasuo Terao³

1.Neurological Clinic for Children, 2.Dept. of Brain Dev. & Neuro Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 3.Department of Neurology, Faculty of Medicine, The University of Tokyo, Tokyo, Japan

O-070 Efficacy of aripiprazole in Gille de la Tourette syndrome

Yukiko Isono¹, Yuri Nagao¹, Masaharu Hayashi², Kazue Kimura¹, Kei Hachimori¹, Kyoko Hoshino¹

1.Neurological Clinic for Children, Tokyo, Japan, 2.Dept. of Brain Development & Neuro Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-071 Effects of bilateral globus pallidus internus DBS on a patient with DYT1 dystonia

Jinya Shiote¹, Eri Kawatani¹, Yukiko Ihara¹, Takako Fujita¹, Hiroshi Ideguchi¹, Takahito Inoue¹, Pin Fee Chong², Ryutaro Kira², Masaaki Higuchi³, Takashi Morishita⁴, Tooru Inoue⁴, Shinichi Hirose¹

1.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan, 2.Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan, 3.Department of Neurology, School of Medicine, Fukuoka University, Fukuoka, Japan, 4.Department of Neurosurgery, School of Medicine, Fukuoka University, Fukuoka, Japan

O-072 Deep brain stimulation for children with primary dystonia

Satoko Kumada¹, Hiroya Nishida¹, Shumpei Uchino¹, Tomoko Mizuno¹, Ikuko Shirai¹, Yasuo Hachiya¹, Eiji Kurihara¹, Makoto Taniguchi², Fusako Yokochi³

1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 3.Department of Neurology, Tokyo metropolitan Neurological Hospital, Tokyo, Japan

Oral Presentation

Room 8 15:00-16:00

Epilepsy and convulsive diseases 4

Chairs: Hideaki Kanemura (Department of Pediatrics, Faculty of Medicine, University of Yamanashi), Satoshi Araki (Department of Pediatrics, Nerima Hikarigaoka Hospital)

O-091 Psychogenic non-epileptic seizures in 31 children confirmed by video-EEG monitoring

Riyo Ueda, Kenji Sugai, Takashi Saito, Yuko Motohashi, Eri Takeshita, Akihiko Ishiyama, Eiji Nakagawa, Hirohumi Komaki, Masayuki Sasaki (The Department of Pediatric neurology, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-092 Efficacy and CNS depression of second-line treatment in children with status epilepticus

Masahiro Nishiyama^{1,2}, Hiroaki Nagase^{1,2}, Yusuke Ishida², Tsukasa Tanaka², Kyoko Fujita², Daisaku Toyoshima², Azusa Maruyama², Masaaki Matsumoto¹, Kazumi Tomioka¹, Ai Unzaki¹, Hiroyuki Awano¹, Hiroki Takeda³, Yoshiyuki Uetani³, Satoshi Takada⁴, Kazumoto Iijima¹

1.Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 2.Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan, 3.Department of Emergency and Critical Medicine, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan, 4.Kobe University Graduate School of Health Science, Kobe, Japan

O-093 Tolerability of LTG and LEV in pediatric epileptic patients with autistic spectrum disorders

Nobutsune Ishikawa, Hiroo Tani, Yoshiyuki Kobayashi, Yuji Fujii, Masao Kobayashi (Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan)

The 58th Annual Meeting of the Japanese Society of Child Neurology

O-094 Quality of life in children with epilepsy assessed by J-KIDSCREEN-52

Yasuko Furuichi¹, Takafumi Sakakibara^{2,4}, Satoko Nezu³, Norio Kurumatani³, Toru Hoshida⁴, Mariko Seki¹, Seiji Kinoshita¹, Yasufumi Imanaka⁵, Hiroyuki Naka⁶, Naoyuki Morii⁷, Takashi Yamashita⁸, Chikako Yamashita⁸, Hironobu Shimoyama⁹, Midori Shima²

1.Higashiosaka City General Hospital,HigashiosakaCity,Osaka,Japan, 2.Department of Pediatrics Nara Medical University,Kashiharacity,Nara,Japan, 3.Department of Community Health and Epidemiology,NaraMedicalUniversitySchoolof Medicine,Kashiharacity,Nara,Japan, 4.National Hospital Organization Nara Medical Center,Naracity,Japan, 5.Imanaka children's Hospital,Fuse city,Osaka,Japan, 6.Naka children's hospital Yamatokooryama city,Nara,Japan, 7.Morii children's Hospital,Nara city,Nara,Japan, 8.Yamashita children's Hospital Kizugawa city,Kyoto,Japan, 9.Shimoyama children's Hospital Yao city,Osaka,Japan

O-095 Clinical analysis of febrile seizures after 7 years of age

Taichi Imaizumi^{1,2}, Yusaku Miyamoto^{1,2}, Kanako Takeda^{1,2}, Hisako Yamamoto^{1,2}, Yusuke Miyaji^{1,2}, Takahiro Kojima^{1,2}, Hitoshi Yamamoto²

1.Kawasaki Municipal Tama Hospital,Department of pediatrics,Kanagawa,Japan, 2.St.Marianna University School of Medicine,Department of Pediatrics,Kanagawa,Japan

O-096 Nocturnal frontal lobe epilepsy misdiagnosed as sleep apnea syndrome and psychogenic reaction

Hiroyasu Nakagawa¹, Mondo Kuroda², Akiko Kato², Iku Ikeno², Ayano Yokoi³, Yusuke Mitani², Yo Niida³

1.Department of Pediatrics, Asanogawa general hospital, Kanazawa, Japan, 2.Department of Pediatrics, Kanazawa University, Kanazawa, Japan, 3.Center for Medical Genetics, Kanazawa Medical University Hospital, Uchinada, Japan

The Japanese Society of Child Neurology 40th Anniversary Ceremony

Room 1 16:30-16:45

Commemorative Symposium

Room 1 16:45-17:45

Sports are the source of children's brain development

Chairs: Shinichi Nijima (Juntendo University Nerima Hospital, Mariko Momoi (International University of Health and Welfare)

The new sport administration

Daichi Suzuki (Japan Sports Agency)

A physical activity program enhance children motivation and brain function called Yanagisawa method

Akitaka Yanagisawa, Matsumoto (Junior College, Nagano, Japan)

Effect of daily exercise on the development of the cardiovascular center—New insights into the mechanism of anti-lifestyle-related disease—

Hidefumi Waki (Juntendp University Graduate School of Health and Sports Science, Chiba, Japan)

Committee's Seminar 2

Room 4 18:10-20:10

What you want to know more about medical and social service in child neurology

Chairs: Shinichi Nijima (Juntendo University Nerima Hospital, Mariko Momoi (International University of Health and Welfare)

Guideline of invalidity pension

Hidemi Iwasaka (Center for Special Needs Education, Nara University of Education, Nara, Japan)

Social welfwre serveces useful for peolpe wieh epilepsy

Hidemoto Kubota (National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

The 1st research meeting of the pediatric autoimmune neuropsychiatric disorders

Room 6 19:00-21:00

The 10th meeting of Japanese Child Sleep Association

Room 7 19:30-21:00

June 4th

Morning Session

Room 5 7:10-8:40

Exploration of age-related brain mechanisms using multiple neuroimaging modalities

Chairs: Shinya Miyamoto (Faculty of Human Sciences, University of Tsukuba), Yukifumi Monden (Department of Pediatrics, Jichi medical University)

Typical and atypical development of face recognition

Masami Yamaguchi (Department of Psychology, Chuo University, Tokyo, Japan)

An investigation of social development using eye tracking

Akemi Tomoda (Research Center for Child Mental Development, University of Fukui, Fukui, Japan)

Age-related cortical representation for healthy control and AD/HD children using fNIRS study

Yukifumi Monden (Department of Pediatrics, Jichi Medical University, Tochigi, Japan), International University of Health and Welfare Hospital, Tochigi, Japan)

An exploration of neural substrates of self-regulation in preadolescence

Naohiro Okada (Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

Morning Seminar 1

Room 3 7:30-8:20

(Sponsored by TAKATA Pharmaceutical Co., Ltd.)

How can we utilize the Clinical Guideline 2015 of febrile seizure?

Chair: Jun Natsume (Nagoya University Graduate School of Medicine)

Shin-Ichiro Hamano (Division of Neurology, Saitama Childrens Medical Center, Saitama, Japan)

Morning Seminar 2

Room 4 7:30-8:20

(Sponsored by Eisai Co., Ltd.)

Lecture using seizure videos for the Peranpanel treatment in the intractable epilepsy

Chair: Katsuhiko Kobayashi (Saitama Childrens Medical Center)

Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and neurological disorders, NHO)

The 8th Annual Meeting of Japanese Society for Pediatric immune-mediated brain diseases

Room 6 7:30-8:30

Committee's Seminar

Room 7 7:30-8:40

Seminar from Minor Committee of Japan Obstetric Compensation System

Chairs: Atsuo Nezu (Yokohama Residential Care and Medical Centre for Developmentally Disabled Person), Tetsuo Kubota (Department of Pediatrics, Anjo Kosei Hospital)

The current situation and issues of the Japan Obstetric Compensation System

Shigeru Ueda (Japan Council for Quality Health Care)

Candidate selection of severe cerebral palsy for the Japan Obstetric Compensation System

Kiyoshi Matsui, Koji Tanoue

Division of General medicine, Kanagawa Children's Medical Center, Yokohama, Japan

Some topics on medical certificate charges: institutional difference by questionnaire survey with councilor

Nobuyoshi Mimaki (Kurashiki Medical Center, Kurashiki, Okayama, Japan)

Committee's Seminar

Room 2 7:40-8:40

Part 1: The reports of the collaborative studies supported by the Japanese Society of Child Neurology

Chairs: Kazuhiro Haginoya (Department of Neurosurgery, Takuto Rehabilitation Center, Miyagi Children's Hospital), Masafumi Morimoto (Department of Pediatric, Kyoto Prefectural University of Medicine)

Clinical study of ATR-X syndrome

Takahito Wada¹, Norifumi Shioda², Koji Fukunaga², Hiroshi Sugiyama³, Hideyuki Tanabe⁴, Nobuhiko Okamoto⁵, Kenji Kurosawa⁶, Yuko Shimbo⁶

1.Department of Medical Ethics and Medical Genetics, Kyoto University Graduate School of Medicine, Kyoto, Japan 2.Tooh University Graduate School of Pharmacology, Sendai, Japan, 3.Kyoto University Graduate School of Science, Kyoto, Japan, 4.The Graduate University for Advanced Studies, Hayama, Japan, 5.Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan, 6.Kanazawa Children's Medical Center, Yokohama, Japan

Clinical study of cerebral creatine deficiency syndrome

Takahito Wada¹, Hitoshi Osaka², Noriko Aida³, Tomohide Goto⁴, Yu Tsuyusaki⁴, Hiroko Shimbo⁴, Hidekazu Kato⁵, Kyoko Takano⁶, Sumio Otsuki⁷, Shingo Ito⁷, Masanori Tachikawa⁸, Yuko Kurosawa⁹

1.Kyoto University Graduate School of Medicine, Department of Medical Ethics and Medical Genetics, Kyoto, Japan 2.Department of Pediatrics, Jichi Medical University, Shimotsuke, Japan, 3.Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan, 4.Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 5.Kanagawa Psychiatric Center, Yokohama, Japan, 6.Department of Medical Genetics/ Preventive Medicine, Shinshu University School of Medicine, Matsumoto, Japan, 7.Kumamoto University, Faculty of Life Science, 8.Tohoku University Graduate School of Pharmacology, 9.Department of Sports Medicine for Health Promotion, Tokyo Medical University

Clinical entities of progressive white matter disorders and genetic diagnosis

Toshiyuki Yamamoto¹, Masafumi Morimoto², Kenji Orii³, Hiroshi Doi⁴, Ryuta Tanaka⁵, Hirofumi Yamashita⁶

1.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan, 2.Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, 3.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, 4.Department of Clinical Neurology and Stroke Medicine, Yokohama City University, Yokohama, 5.Department of Child Health, Institute of Clinical Medicine, University of Tsukuba, Tsukuba, 6.Department of Neurology, Kyoto University Graduate School of Medicine, Kyoto

Special Lecture 3 -Fukuyama Memorial Lecture-

Room 1 8:50-9:35

Progress and challenges in the understanding of early epileptic encephalopathies

Chair: Makiko Osawa (Tokyo Women's Medical University)

Raman Sankar (Pediatric Neurology, David Geffen School of Medicine UCLA Los Angeles, California, USA)

Oral Presentation

Room 5 9:40-10:40

Metabolic disease

Chairs: Hiroyuki Ida (Department of Pediatrics, The Jikei University School of Medicine), Haruo Shintaku (Osaka City University Graduate School of Medicine (Department of Pediatrics))

O-097 Screening for inherited GPI deficiency by quantification of GPI-anchored proteins in sera

Yukitoshi Takahashi¹, Shigeko Nishimura¹, Emiko Takao¹, Risa Kasai¹, Kaoru Enokida¹, Yushi Inoue¹, Yoshiko Murakami², Taroh Kinoshita², Norimitsu Inoue³, Ichirou Kuki⁴, Yasuhiro Suzuki⁵, Junpei Tanigawa⁶, Souichiro Tanaka^{7,8}, Rumiko Takayama⁹

1.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, NHO, Japan., 2.Research Institute for Microbial Diseases, Osaka University, Japan, 3.Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan, 4.Osaka City General Hospital, Japan, 5.Osaka Medical center and research Institute for Maternal and Child Health, Japan, 6.Department of pediatrics, Graduate School of Medicine, Osaka University, Japan, 7.Department of Pediatrics, Tohoku University school of Medicine, Japan, 8.Takuto Rehabilitation Center for Children, Japan., 9.Hokkaido medical Center for Child Health and Rehabilitation, Japan

O-098 Reduction of VLCFAs in CSF can be a useful prognosis predictor of HCT in ALD patients

Mitsuo Motobayashi¹, Makoto Nishioka², Yoichiro Kawasaki², Nobuyuki Shimozaawa³, Yuji Inaba²

1.Department of Neonatology, Shinshu University School of Medicine, Matsumoto, Japan, 2.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan, 3.Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

O-099 GDF-15 is a useful biomarker of screening and therapeutic response for mitochondria disease

Mitsugu Uematsu¹, Tetsuro Matsuhashi¹, Yurika Uematsu¹, Tomoko Kobayashi¹, Hitoshi Osaka², Shigeo Kure¹, Takaaki Abe³

The 58th Annual Meeting of the Japanese Society of Child Neurology

- 1.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 2.Department of Pediatrics, Jichi Medical School, 3.Devision of Medical Science, Tohoku University Graduate School of Biomedical Engineering, Sendai, Japan
- O-100 NPC : plasma oxysterol and lysosphingomyelin-509 as potential biomarker measured by tandem MS
Yoshikatsu Eto¹, Takeo Iwamoto², Wu Chen¹, Ayumi Takamura³, Miwa Fujisaki¹, Masayo Kashiwazaki¹, Kaoru Eto⁴, Norio Sakai⁵
- 1.Advanced Clinical Research Center, Southern Tohoku Brain Research Institute, Kawasaki, Japan, 2.Core Laboratory Medicine, Tokyo Jikei University School of Medicine,Tokyo, Japan, 3.Department of Biological Regulation, School of Health Science, Tottori University School of Medicine, Yonago, Japan, 4.Department of Pediatrics, Tokyo Womens Medical School, 5.Department of Child Health, School of Health Science, Osaka University School of Medicine, Osaka, Japan
- O-101 Neurological features in patients with hypophosphatasia
Jun Mine¹, Takeshi Taketani^{1,2}, Kazuki Tukamoto¹, Kazuko Kishi¹, Seiji Yamaguchi¹
- 1.The Department of Pediatrics, Shimane University School of Medicine, Izumo, Japan, 2.Division of Blood Transfusion, Shimane University Hospital, Izumo, Japan
- O-102 Treatment for Wilson disease with neurologic symptoms, data analysis for MC-Bank registration system
Norikazu Shimizu¹, Ayako Ogawa¹, Noriko Mishima¹, Hiroe Konishi¹, Joohyun Seo², Torayuki Okuyama², Tsugutoshi Aoki¹
- 1.Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo, Japan, 2.Clinical Laboratory Medicine, National Center for Child Health and Development, Tokyo, Japan

Oral Presentation

Room 6 9:40-10:40

Peripheral nerve

Chairs: Hirofumi Komaki (National Center of Neurology and Psychiatry), Tatsuo Fuchigami (Department of Pediatrics, Nihon University Hospital)

- O-126 MRI finding and blood-nerve barrier damage of acute flaccid monoplegia of nine cases
Ryuki Matsuura^{1,2}, Shin-Ichiro Hamano¹, Erika Hiwatari¹, Satoru Ikemoto^{1,2}, Yuko Hirata^{1,2}, Kotoko Suzuki^{1,2}, Reiko Koichihara¹, Kenjiro Kikuchi², Manabu Tanaka³, Motoyuki Minamitani¹
- 1.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan, 2.Division of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan, 3.Division of Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan
- O-127 A basic research of the treatment of spinal muscular atrophy fibroblast using TRH
Koki Nikaido, Kentaro Kawamura, Shinobu Fukumura, Nobutada Tachi (The Department of Pediatrics, Sapporo Medical University, Sapporo, Japan)
- O-128 A nationwide survey of Guillain-Barré syndrome, Fisher syndrome, Bickerstaff brainstem encephalitis
Hajime Ikehara¹, Katsunori Fuji¹, Tomoyuki Fukuhara¹, Mayuko Fujita¹, Hiromi Mizuochi^{1,2}, Tadashi Shiohama¹, Hideki Uchikawa^{1,2}, Naoki Shimojo¹
- 1.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan, 2.Department of Pediatrics, Eastern Chiba Medical Center, Chiba, Japan
- O-129 A survey of Guillain-Barré syndrome, Fisher syndrome, and Bickerstaff brainstem encephalitis
Tomoyuki Fukuhara, Katsunori Fujii, Mayuko Fujita, Hajime Ikehara, Hiromi Mizuochi, Tadashi Shiohama, Hideki Uchikawa, Naoki Shimojo (Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan)
- O-130 Genetic heterogeneity of patients with central and peripheral involvement of motor neuron
Kazuhiro Haginoya¹, Takehiko Inui¹, Wakaba Endo¹, Mai Anzai¹, Yusuke Takezawa¹, Hirotomo Saito²
- 1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan, 2.Department of Genetics, Yokohama City University

Oral Presentation

Room 7 9:40-10:40

Neuroimaging

Chairs: Kenji Mori (Department of Child Health & Nursing, Tokushima University Graduate School), Muneaki Matsuo (Department of Pediatrics, Saga University, Faculty of Medicine)

- O-137 A novel TUBB3 mutation in a sporadic patient with asymmetric cortical dysplasia
Keiko Shimojima¹, Nobuhiko Okamoto², Toshiyuki Yamamoto¹
- 1.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan, 2.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan
- O-138 Follow-up brain MRI findings in a girl with genetically diagnosed BPAN
Tae Ikeda¹, Ryouko Hayashi¹, Sadami Kimura¹, Yukiko Mogami¹, Keiko Yanagihara¹, Nobuhiko Okamoto², Tatsuji Hasegawa³, Yasuhiro Suzuki¹
- 1.Osaka Medical Center And Research Institute For Maternal And Child Health, 2.Osaka Medical Center And Research Institute For Maternal And Child Health, 3.Department of Pediatrics, Kyoto Prefectural University of Medicine
- O-139 The cases of spinal MRI due to paralytic lower extremities
Masato Hiyane, Tsuyoshi Matsuoka, Masaharu Ohfu (Division of Child Neurology, Okinawa prefectural southern medical center & children's medical center, Okinawa, Japan)

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- O-140 Brain imaging and evoked potential characteristics of 7 patients with MECP2 duplication syndrome
Michio Inoue, Shinpei Baba, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saitou, Hirohumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- O-141 MR spectroscopy and arterial spin labeling MRI during stroke like episodes in patients with MELAS
Ken Nakajima, Ryoko Hayashi, Tae Ikeda, Sadami Kimura, Yukiko Mogami, Keiko Yanagihara, Yasuhiro Suzuki (Osaka Medical Center and Research Institute for Maternal and Child Health, OSAKA, JAPAN)
- O-142 Transient T1 hyperintense lesions in ADEM
Yusuke Kawanaka¹, Kumiko Ando¹, Yoko Igarashi¹, Takayuki Kathuura¹, Yuki Wakata¹, Reiichi Ishikura¹, Junicirou Ono², Toshihiro Takada³, Shozo Hirota¹
1.Department of radiology, Hyogo College of Medicine, Hyogo, Japan, 2.Meiwa hospital, Hyogo, Japan, 3.Department of Pediatrics, Hyogo College of Medicine, Hyogo, Japan

Symposium 7

Room 3 9:50-11:40

(Sponsored by GlaxoSmithKline K.K.)

Young Investigator's Session

Chairs: Takao Takahashi (Department of Pediatrics, Keio University school of Medicine), Shinichi Nijima (Juntendo University Nerima Hospital)

Acute encephalitis with refractory, repetitive partial seizures : the history of the 30 years

Hiroshi Sakuma, (Tokyo Metropolitan Institute of Medical)

Modeling human neurological diseases with induced pluripotent stem cells

Wado Akamatsu, (Juntendo University School of Medicine)

Towards establishment of the diagnostic system for neurometabolic diseases

Tomoyuki Akiyama, (Okayama University Hospital)

With creative, enthusiasm and intellectual curiosity, develop medical research for future children

Kazuhiro Muramatsu, (Gunma University Graduate School of Medicine)

Antisense therapy for Fukuyama type congenital muscular dystrophy

Mariko Ikeda (Kobe University Graduate School of Medicine)

Committee's Seminar

Room 2 9:50-11:40

Part 2: Meet the experts: Future collaborative study of Japan Society of Child Neurology.

Chairs: Masafumi Morimoto (Department of Pediatric, Kyoto Prefectural University of Medicine), Shinji Saitoh (Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences)

AMED mission : challenge starts with IRUD

Makoto Suematsu, (Japan Agency for Medical Research and Development)

Collaboration between the Japanese Society of Child Neurology and Initiative on Rare and Undiagnosed Diseases in Pediatrics IRUD-P

Yoichi Matsubara, (National Center for Child Health and Development, Tokyo, Japan)

Symposium 8

Room 3 9:50-11:40

Tuberous Sclerosis: Management - UpToDate

Chairs: Kosaku Ohno (Japan Labour, Health and Welfare Organization Sanin Rosai Hospital), Okio Hino (Juntendo University Faculty of Medicine)Dept.Pathology and Oncology

Drug therapy for autism in tuberous sclerosis complex

Masashi Mizuguchi (Department of Developmental Medical Sciences, The University of Tokyo, Tokyo, Japan)

Epilepsy surgery for patients with tuberous sclerosis

Hidenori Sugano¹, Shinichi Nijima², Madoka Nakajima¹, Shinpei Abe¹, Mitsuru Ikeno¹, Ayuko Igarashi¹, Shintaro Yamashita², Mika Nakazawa¹

1.The Department of Neurosurgery, Juntendo University, Tokyo, Japan 2.The Department of Pediatrics, Juntendo University, Nerima Hospital, Tokyo, Japan

Central role of child neurologist in team medical care for tuberous sclerosis

Tohru Okanishi (Department of Child Neurology, Seirei-Hamamatsu General Hospital)

Diagnosis and management of renal angiomyolipoma associated with tuberous sclerosis complex in Japan

Takashi Hatano (The Department of Urology, JR Tokyo General Hospital, Tokyo, Japan)

Novel mechanism and therapeutics for tuberous sclerosis complex

Kanato Yamagata (Synaptic Plasticity Project, Tokyo Metropolitan Institute of Medical Science)

Symposium 9

Room 4 9:50-11:40

Prospective role of child neurologist on patients with severe motor and intellectual disabilities in ten years
Chairs: Masao Kumode (Biwakogakuen Kusatsi Medical and Welfare Center), Nobuaki Iwasaki (Ibaraki Prefectural University of Health Science)

A better future for children with severe disabilities—activities of the Committee on Medically fragile/Technology dependent Children and Youth, Japan Pediatric Society—

Tadashi Matsubasa (The chair of Severe Motor and Intellectual Disabilities, Kumamoto University Hospital, Kumamoto, Japan)

Cultivation of health care providers for severe motor and intellectual disability patients and construction of local medical treatment/welfare cooperation network system

Yoshihiro Maegaki, Akiko Tamasaki (Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan)

Who provides medical cares for the persons with SMID severe motor and intellectual disabilities throughout their lifetime

Kiyokuni Miura (Department of Pediatric Neurology, Toyota Municipal Child Development Center, Toyota, Japan)

Welfare services and supports for children with disabilities and their families

Nobuhide Oonishi (Ministry of Health, Labour and Welfare, Support Office for the children with disabilities and persons with developmental disorders, Tokyo., Japan)

My parental dreams for future health care for the profoundly disabled

Mami Kodama (Cares Japan, Tokyo, Japan)

Oral Presentation

Room 5 10:40-11:40

Vascular disorder

Chairs: Shigeo Kure (Department of Pediatrics, Tohoku University School of Medicine), Mana Kurihara (Department of Pediatrics, The Kanagawa Rehabilitation Center)

O-103 Two cases of cerebral infarction due to cerebral arterial dissection

Yuki Anzai, Yumie Tamura, Kenshi Sei, Jyun Kohyama (Department of pediatrics, Tokyo Bay Urayasu Ichikawa Medical Center, Chiba, Japan)

O-104 A case of multisystemic smooth muscle dysfunction with ACTA2 mutation

Go Takei¹, Yuu Kakimoto¹, Akiko Yakuwa¹, Tadayuki Kumagai¹, Satoshi Takenaka¹, Hiroshi Terashima¹, Masaya Kubota¹, Rika Kosaki², Yoshiyuki Tsutsumi³

1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan, 2.Division of Medical Genetics, National Center for Child Health and Development, Tokyo, Japan., 3.Department of Radiology, National Center for Child Health and Development, Tokyo, Japan.

O-105 Study of prognostic factors in patients with pediatric moyamoya disease

Kazuo Kodama¹, Taku Omata¹, Yukiko Iida¹, Yoshimi Watanabe¹, Chiaki Ito², Osamu Numata², Ryo Ando², Hiroaki Date²

1.Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan, 2.Division of Neurosurgery, Chiba Children's Hospital, Chiba, Japan

O-106 Assessment of cognitive function in children with cerebrovascular disease using DN-CAS

Takeya Awashima¹, Mana Kurihara¹, Yoshimichi Ariga¹, Manabu Yoshihashi¹, Chieko Iino¹, Tositaka Kohagizawa¹, Katsuki Kawakami², Daihei Shirakawa², Toshiko Saito², Yuka Ozeki²

1.The Department of Pediatrics, The Kanagawa Rehabilitation Center, Kanagawa, Japan, 2.The Department of Psychology, The Kanagawa Rehabilitation Center, Kanagawa, Japan

O-107 Clinico-radiological features in six cases of cerebral sinovenous thrombosis

Azusa Ikeda¹, Yumiko Takashima¹, Keiko Watanabe¹, Yu Tsuyusaki¹, Kazushi Ichikawa¹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Noriko Aida², Tomohide Goto¹

1.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Division of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan

O-108 Unilateral spatial neglect in children with cerebrovascular disease

Masamichi Ariga, Mana Kurihara, Manabu Yoshihashi, Takeya Awashima, Chieko Iino, Toshitaka Kohagisawa (The Kanagawa Rehabilitation Center, Kanagawa, Japan)

Oral Presentation

Room 6 10:40-11:40

Neurophysiology

Chairs: Masaharu Ohfu (Division of Child Neurology, Okinawa Prefectural Southern Medical Center, Children's Medical Center), Masaya Kubota (Division of Neurology, National Center for Child Health and Development, Tokyo, Japan)

O-131 PLEDs as the severity of posterior reversible encephalopathy syndrome (PRES)

Masaharu Ohfu, Masato Hiyane, Tsuyoshi Matsuoka (Division of Child Neurology, Okinawa prefectural southern children's Medical Center, Okinawa, Japan)

O-132 The decrease of HFO along with improvement of epilepsy –A new biomarker in epilepsy treatment–

Tetsuro Nagasawa^{1,2}, Hiroshi Terashima², Masaya Kubota²

1.Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 2.Department of Neurology, National Center for Child Health and Development, Tokyo, Japan

O-133 Electrophysiological studies of peripheral nerves in merosin-deficient congenital muscular dystrophy

Yoshihiko Saito, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saito, Eiji Nakagawa, Hirofumi Komaki, Kenji Sugai, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

O-134 Non-expert use of aEEG and DSA for seizure identification in the pediatric intensive care unit

Atsuko Ohno, Yuu Okai, Youko Sakaguchi, Yuji Ito, Chikako Ogawa, Tomohiko Nakata, Hiroyuki Kidokoro, Tamiko Negoro, Kazuyoshi Watanabe, Jyun Natsume (Department of Pediatrics, Nagoya University, Aichi, Japan)

O-135 Eighty cases examined by simplified polysomnography at Shimada Ryoiku Center Hachioji

Yuri Ozawa, Yoshiko Nomura, Kaoru Amemiya, Youko Kisimoto, Ayako Tsumita, Yukiko Nakamura, Hiroshi Ozawa (Shimada Ryoiku Center Hachioji (Institution for Persons with Severe Motor and Intellectual Disabilities), Tokyo, Japan)

O-136 Utility of long-term video-EEG monitoring for evaluation of epilepsy

Tatsuyuki Sokoda¹, Jun Matsui¹, Noriko Nishikura¹, Seiichiro Yoshioka², Tomoyuki Takano¹, Yoshihiro Takeuchi¹

1.The Department of Pediatrics, University of Shiga Medical Science, Shiga, Japan, 2.Ritto Yoshioka Children's clinic

Oral Presentation

Room 7 10:40-11:40

Neurosurgery

Chairs: Nobuhito Morota (Division of Neurosurgery, Tokyo Metropolitan Children's Medical Center), Hiroaki Sakamoto (Department of Neurosurgery, Osaka City University Graduate School of Medicine)

O-143 Deep brain stimulation for secondary dystonia caused by perinatal and neonatal brain insults

Tomoko Mizuno¹, Satoko Kumada¹, Hiroya Nishida¹, Shunpei Uchino¹, Yasuo Hachiya¹, Eiji Kurihara¹, Motomasa Suzuki², Makoto Taniguchi³, Fusako Yokochi⁴

1.The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.The Department of Neurology, Aichi Children's Health and Medical Center, Aichi, Japan, 3.The Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 4.The Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

O-144 Classification and therapeutic outcome in 96 cases with Sturge-Weber syndrome

Madoka Nakajima¹, Hidenori Sugano¹, Shinpei Abe², Mitsuru Ikeno², Ayuko Igarashi², Mika Nakazawa², Shinichi Nijima³, Shintarou Yamashita³

1.The Department of Neurosurgery, Juntendo University School of Medicine, Tokyo, Japan, 2.The Department of Pediatric, Juntendo University, Tokyo, Japan, 3.The Department of Pediatric, Juntendo Nerima Hospital, Tokyo, Japan

O-145 Intrathecal baclofen therapy for severe spasticity

Shoko Shimokawa¹, Fumitaka Yoshioka¹, Yukiko Nakahara¹, Jyun Masuoka¹, Masatou Kawashima¹, Tatsuya Abe¹, Muneaki Matsuo², Hisayuki Maeda², Daisuke Tajima², Keiko Hirabaru²

1.The department of Neurosurgery, Saga University, Saga, Japan, 2.The department of Pediatric, Saga University, Saga, Japan

O-146 Genetic analysis in Dandy-Walker malformation

Atsuko Harada¹, Fuyuki Miya², Hidetsuna Utsunomiya³, Takumi Yamanaka¹, Yamato Yoshikawa⁴, Michiko Miki⁴, Tomoko Shofuda⁵, Mitsuhiro Kato⁶, Shinji Saito⁷, Nobuhiko Okamoto⁸, Kenjiro Kosaki⁹, Tatsuhiko Tsunoda², Yonehiro Kanemura¹⁰, Mami Yamasaki¹

1.Department of pediatric neurosurgery, Takatsuki General Hospital, Osaka, Japan, 2.Department of Medical Science Mathematics, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, 3.Department of Radiological Science, International University of Health and Welfare, Graduate School, Fukuoka, Japan, 4.Department of Ophthalmology, Takatsuki General Hospital, Osaka, Japan, 5.Division of Stem Cell Research, Institute for Clinical Research, Osaka National Hospital, Osaka, Japan, 6.Department of Pediatrics, Showa University, School of Medicine, Tokyo, Japan, 7.Department of Pediatrics and Neonatology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 8.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan, 9.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan, 10.Division of Regenerative Medicine, Institute for Clinical Research, Osaka National Hospital,, Osaka, Japan

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O-147 Volumetric analysis of infratentorial bone remodeling in occipital distraction

Fumitaka Yoshioka¹, Shouko Shimokawa¹, Ryo Ebashi¹, Yukinori Takase¹, Yukiko Nakahara¹, Jun Masuoka¹, Masatou Kawashima¹, Tatsuya Abe¹, Tetsuji Uemura², Muneaki Matsuo³

1.Department of Neurosurgery, Faculty of Medicine, Saga University, Saga, Japan, 2.Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Saga University, Saga, Japan, 3.Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan

O-148 Management for achondroplasia patients with foramen magnum stenosis

Yasuhiro Matsusaka¹, Hiroaki Sakamoto¹, Shin Okazaki², Ichirou Kuki², Hisashi Kawawaki²

1.Department of Pediatric Neurosurgery, Osaka city general hospital, Osaka, Japan, 2.Department of Pediatric Neurology, Osaka city general hospital, Osaka, Japan

Luncheon Seminar 9

Room 1 11:50-12:50

(Sponsored by Eli Lilly Japan K.K.)

ADHD medications explained

Chair: Akira Yoneyama (National Rehabilitation Center for Children with Disabilities)

Masutomo Miyao (Donguri Psycho Developmental Clinic for Developmental Disorders)

Luncheon Seminar 10

Room 2 11:50-12:50

(Sponsored by Otsuka Pharmaceutical Co., Ltd.)

Carnitine deficiency hidden around here and somewhere

Chair: Yuichi Goto (National Center of Neurology and Psychiatry)

Akira Ohtake (Department of Pediatrics, Saitama Medical University)

Luncheon Seminar 11

Room 3 11:50-12:50

(Sponsored by Novartis Pharma K.K.)

Chair: Masakazu Mimaki (Teikyo University School of Medicine)

Current management of tuberous sclerosis

Ichiro Kuki (The Department of Pediatric Neurology, Osaka City General Hospital, Osaka City, Japan)

Team medical treatment of tuberous sclerosis complex according to natural course

Maegaki Yoshihiro (Division of Child Neurology, Faculty of Medicine, Tottori University, Tottori, Japan)

Luncheon Seminar 12

Room 4 11:50-12:50

(Sponsored by Kyowa Hakko Kirin Co., Ltd.)

How can you approach the first seizure?

Chair: Hitoshi Yamamoto (St. Marianna University School of Medicine)

Hideo Enoki (Department of Child Neurology, Comprehensive Epilepsy center, Seirei Hamamatsu General Hospital, Hamamatsu, Japan)

Luncheon Seminar 13

Room 5 11:50-12:50

(Sponsored by Actelion Pharmaceuticals Japan Ltd.)

Chair: Tsutomu Takahashi (Akita University Graduate School of Medicine and Faculty of Medicine)

Yu Tsuyusaki (Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan)

Nishiki Makioka (Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan)

Luncheon Seminar 14

Room 6 11:50-12:50

(Sponsored by JCR Pharmaceuticals Co., Ltd.)

Pediatric neurology and pediatric endocrinology : Interdisciplinary collaboration

Chair: Tatsuro Izumi (Department of Pediatrics, National Nanao Hospital, Nanao)

Tomonobu Hasegawa (Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan)

Symposium 10

Room 2 13:00-14:50

Problems of transition to adulthood in children with epilepsy

Chairs: Hitoshi Yamamoto (Department of Pediatrics, St.Marianna University School of Medicine), Kenji Sugai (Department of Child Neurology, National Center of Neurology and Psychiatry)

Problem of transition to adult hospital department in adult patients with childhood epilepsy

Shimpei Abe (The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan)

Transition from children's to adult services in epilepsy care

Nobukazu Nakasato (Department of Epileptology, Tohoku University Graduate School of Medicine, Sendai, Japan)

Successful bridging from childhood to adult for people with Epilepsy

Masako Watanabe (Shinjuku Neuro Clinic, Tokyo, Japan)

Need-to-know psychiatric disorders associated with epilepsy

Yoshiko Hirano (The Department of Psychiatry, Japanese Red Cross Narita Hospital, Chiba, Japan / Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)

Symposium 11

Room 3 13:00-14:50

Update understanding of pathogenesis of the disorders in child neurology

Chairs: Shinichi Hirose (Fukuoka University), Toshiyuki Yamamoto (Tokyo Women's Medical University Institute for Integrated Medical Sciences (TIIMS))

Update on PCDH19 female epilepsy

Norimichi Higurashi^{1,2}, Shinichi Hirose^{2,3}

1.Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan 2.Central Research Institute for the Pathomechanisms of Epilepsy, Fukuoka University, Fukuoka, Japan, 3.Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan

mTORopathies: disorders of signal transduction and molecular target therapy

Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

Comprehensive genetic and genomic analysis

Toshiyuki Yamamoto (Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan)

Up-to-date understanding of Rasmussen syndrome

Yukitoshi Takahashi (National epilepsy center, Shizuoka institute of epilepsy and neurological disorders, NHO)

Symposium 12

Room 4 13:00-14:50

Pediatric neuroradiology in the post genomic era

Chairs: Shigeki Aoki (Department of Radiology, Juntendo University), Noriko Aida (Kanagawa Children's Medical Center Radiology)

Advanced brain MRI technique and diagnosis by gene analysis in pediatric neurological disease

Mitsuru Ikeno (Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan)

Brain metabolism investigated with MR spectroscopy

Jun-ichi Takanashi (Department of Pediatrics, Tokyo Women's Medical University, Yachiyo Medical Center, Yachiyo, Japan)

Snap diagnosis of congenital metabolic diseases

Hiroshi Oba (Department of Radiology, Teikyo University Hospital)

MRI of Neurometabolic Disorders

A. James Barkovich (University of California, San Francisco UCSF—Benioff Children's Hospital, USA)

Oral Presentation

Room 5 11:50-12:50

Cerebral palsy and rehabilitation

Chairs: Hiroshi Arai (Department of Pediatric Neurology, Morinomiya Hospital), Atsuo Nezu (Yokohama Residential Care and Medical Centre for Developmentally Disabled Person)C

O-109 Questionnaire survey on dental problems in xeroderma pigmentosum and Cockayne's syndrome

Masaharu Hayashi (The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan)

O-110 The correlation between the urinary secretion of melatonin and antioxidant in SMID

Yumi Okoshi¹, Naoyuki Tanuma¹, Michio Fukumizu¹, Rie Miyata², Hiroshi Sakuma², Masaharu Hayashi²

1.The Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo, Japan, 2.The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

O-111 The age-appropriate assessment of disability persons with eating dysfunction

Ayako Umemura, Yuki Maki, Keitaro Yamada, Koitchi Maruyama, Kosaburo Aso (Department of Pediatric Neurology, Central Hospital, Aichi Human Service Center, Aichi, Japan)

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- O-112 Lower respiratory tract infection and the measures in severely disabled children with prolonged TPPV
Keitaro Yamada¹, Yuki Maki¹, Ayako Umemura¹, Kouichi Maruyama¹, Kouzaburo Aso²
1.Department of Pediatric Neurology, Aichi Prefectural Colony Central Hospital, Kasugai, Aichi, 2.Aichi Prefectural Colony Kobato institution, Kasugai, Aichi
- O-113 Analysis of intrapulmonary percussive ventilator intervention for severe disabled children
Haruka Ooguro, Tatsuo Itou, Tomohiro Nakayama, Hitomi Maeda, Junko Nakayama, Kenji Shin, Nobuaki Iwasaki (Ibaraki Prefectural University of Health Sciences Hospital, Ami, Japan)
- O-114 A pilot study for sequential motor learning in children with developmental coordination disorder
Eriko Kitahara¹, Tomomi Sukigara¹, Hiromi Namiki¹, Tomomi Oishi¹, Satoshi Iwahashi¹, Mariko Hosozawa², Hiromichi Shoji², Masanori Nagaoka³
1. Department of Rehabilitation, Juntendo University Hospital, 2.Department of Pediatrics, Juntendo University Hospital, 3. Department of Rehabilitation Medicine, Juntendo University Hospital

Special Lecture 4

Room 6 13:00-13:45

Olfactory development and dysgenesis in fetus and neonate

Chair: Osuke Iwata (Kurume University)

Harvey B. Sarnat (Paediatrics, Pathology (Neuropathology) and Clinical Neurosciences University of Calgary and Alberta Children's Hospital Calgary, Alberta, Canada)

Committee's Workshop

Room 7 13:00-16:00

What should child neurologists in Japan do ten years later (in 2025) ?

Chairs: Jun Kohyama (Public Interest Incorporated Association, JAPAN Association for Development of community Medicine, Tokyo Bay Urayasu Ichikawa), Akemi Tomoda (Research Center for Child Development, University of Fukui)

What can we, pediatric neurologists, do to enhance children's bright future?

Yuka Suzuki¹, Katsuo Sugita², Yu Miyajima³, Akio Nakai⁴

1.Matsuyama Red Cross Hospital, 2. Chiba University Graduate School of Education, Chiba, Japan, 3.Department of Education for Childcare, Faculty of Child Studies, Tokyo Kasei University, Tokyo, Japan, 4.Department of Pediatric Neurology, Department of Pediatrics, & Department of Child and Adolescent Psychiatry, Hyogo Children's Sleep and Development Medical Research Center, Hyogo, Japan

What child neurologist can do for children or persons with severe motor and intellectual disabilities living vividly with their families in the city

Masao Kumode (Department of Pediatrics, Biwakogakuen Kusatsu Medical and Welfare Center, Kusatsu, Japan)

The way of the academic meeting in JSCN : "We will decide the form of the 68th meeting"

Yasuhiko Kawakami¹, Kaeko Ogura², Shuichi Shimakawa³, Hiroko Tada⁴

1.Department of Pediatrics, Nippon Medical School Tama Nagayama Hospital, Tokyo, Japan, 2.Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan, 3.Department of Pediatrics, Osaka Medical College, Takatsuki, Japan, 4.Department of Pediatrics, Chibaken Saiseikai Narashino Hospital, Narashino, Japan

Let's step forward! Importance of cooperation between pediatric neurology and many other areas

Takeo Kubota¹, Naomi Fukuyo², Tokiko Fukuda³, Reimi Tsurusawa⁴

1.Department of Epigenetic Medicine, University of Yamanashi, Yamanashi, Japan, 2.Department of Pediatrics/ Genetics, Tohoku University Hospital, Sendai, Japan, 3.Department of Pediatrics, Hamamatsu Medical University, Hamamatsu, Japan, 4.Department of Pediatrics, Fukuoka University Chikushi Hospital, Fukuoka, Japan

New symbols of the Japanese Society of Child Neurology : making catchphrase, slogan, emblem, and symbol color
Tohru Okanishi (Department of Child Neurology, Seirei-Hamamatsu General Hospital)

Oral Presentation

Room 5 14:00-15:00

Disabilities support and music therapy

Chairs: Satoshi Takada (Graduate School of Health Sciences, Kobe University), Naomitsu Suzuki (Department of Pediatrics, Tsukuba Clinic for Mental Sick Children & Adolescents)

O-115 Effectiveness of HABIT & a Robotic Suit HAL® on physical functions in a child with hemiplegia
Yoko Matsumoto, Mariko Yagi, Mio Nishimura, Yoko Kawasaki (Department of Pediatrics, NikoNiko House Medical and Welfare Center)

O-116 Music therapy for the children with developmental disorders
Naomitsu Suzuki (Tsukuba Clinic for Mental Sick Children & Adolescents, Ibaraki, Japan)

- O-117 Switching equipment using sheeted stretch sensor for persons with severe cerebral palsy
Akio Yamamoto¹, Kenji Kihara^{1,2}, Mariko Yagi^{1,2}, Yoko Matsumoto², Syuichi Tsuneishi^{1,3}, Hideo Otaka⁴, Masaya Yonezawa⁴, Satoshi Takada¹
1. Graduate School of Health Science, Kobe University, Kobe, Japan, 2. Nikoniko-house Medical Welfare Center, Kobe, Japan, 3. Medical Welfare Center Kizuna, Kasai, Japan, 4. BANDO CHEMICAL INDUSTRIES, LTD. Kobe, Japan
- O-118 Study of childhood-onset higher brain dysfunction in Nagasaki prefecture
Kiyoko Watanabe^{1,3}, Tatsuo Matsuzaka², Hiroyuki Moriuchi³
1. Saiseikai Nagasaki Hospital, Nagasaki, Japan, 2. Nagasaki Welfare Center, Nagasaki, Japan, 3. Department of Pediatrics, Nagasaki University School of Medicine, Nagasaki, Japan
- O-119 How we coordinate rehabilitation plan for patients of autistic spectrum?
Naoki Shiota^{1,2,3}, Yumeko Matsuda¹, Tomofumi Fukuda¹, Masahiro Ishii^{1,3}, Ayako Senju¹, Shioho Takano^{1,3}, Hiroyuki Fujita³, Yuko Tomonoh³, Seiko Suzuki³, Chie Murakami¹, Yoshiyasu Kono³, Masayuki Shimono^{1,3}, Kouiti Kusuhara¹
1. The Department of Pediatrics, University of Occupational and Environmental Health, Kitakyushu, Japan, 2. Health Promotion Office, Health Care & Support Center, General Affairs & Human Resources Office, UBE INDUSTRIES, LTD, Ube, Japan, 3. The Department of Pediatrics, Kitakyushu Rehabilitation Center for children with disabilities, Kitakyushu, Japan
- O-120 Approach with music therapy for children with paraplegia
Yukiko Ichida¹, Shinpei Abe¹, Mitsuru Ikeno¹, Shinichi Niiijima², Toshiaki Shimizu¹,
1. Department of Pediatrics, Juntendo University, Tokyo, Japan, 2. Department of Pediatrics, Juntendo Nerima Hospital, Tokyo, Japan

English Session

Room 6 14:00-15:00

Muscular diseases

Chairs: Harvey B. Sarnat (University of Calgary Faculty of Medicine), Yu-ichi Goto (National Center of Neurology and Psychiatry)

- E-026 A boy with unexplained mild muscle weakness and easy fatigability during exercise
Juri Ogawa, Atsushi Takagi, Osamu Fujino, Takehisa Fujita, Yasuhiko Kawakami
Department of Pediatrics, Nippon Medical School, Tokyo, Japan
- E-027 Osteoporosis screening in Duchenne muscular dystrophy using CT images obtained for other reasons
Yuko Motohashi¹, Michio Inoue¹, Koji Takahashi¹, Ayano Matsui², Noriko Sato³, Akihiko Ishiyama¹, Eri Takeshita¹, Hirofumi Komaki¹, Masayuki Sasaki¹
1. National Center of Neurology and Psychiatry, Department of Child Neurology, Tokyo Japan, 2. National Center of Neurology and Psychiatry, Department of Orthopedics, Tokyo Japan, 3. National Center of Neurology and Psychiatry, Department of Radiology, Tokyo Japan
- E-028 A case of neuromyelitis optica preceded by hyperCKemia
Shiro Ozasa¹, Tomoko Kashiki¹, Ken Momosaki¹, Keiko Nomura¹, Hiroyo Mabe¹, Yasuhiro Indo¹, Rieko Sakamoto¹, Shohei Kuraoka¹, Naomi Kuwada¹, Tatsuya Kawasaki¹, Takayuki Kosaka², Toshinari Nakane², Toshihide Inoue³, Masaaki Yanai⁴, Fumio Endo¹
1. Department of Pediatrics, Kumamoto University, Kumamoto, Japan, 2. Department of Neurology, Kumamoto University, Kumamoto, Japan, 3. Department of Ophthalmology, Kumamoto University, Kumamoto, Japan, 4. Kumamoto Regional Medical Center, Kumamoto, Japan
- E-029 Gene mutation screening using whole exome sequencing in lipid storage myopathy
Kazuko Takayama², Satoru Noguchi¹, Satomi Mitsuhashi¹, Ikuya Nonaka¹, Ichizo Nishino¹
1. National Institute of Neuroscience, NCNP, Tokyo, Japan, 2. Department of pediatrics of Toho university, Tokyo, Japan
- E-030 Surgical correction of progressive scoliosis in a case with Fukuyama congenital muscular dystrophy
Kaori Hino¹, Mitsumasa Fukuda¹, Masanori Ito¹
1. Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan, 2. Department of Orthopedics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan.
- E-031 Involuntary movement occurring during the development—lessons from Segawa disease and DYT1
Yoshiko Nomura
Yoshiko Nomura Neurological Clinic for Children, Tokyo, Japan

Symposium 13

Room 2 14:50-16:40

Nurturing the Child Neurologists of the Next Generation: from a female legend doctor's standpoint

Chairs: Ikuya Nonaka (National Center of Neurology and psychiatry), Teruhisa Miike (Hyogo Rehabilitation Center Hospital)

Fukuyama type congenital muscular dystrophy revisited with appreciation to patients and their family

Makiko Osawa (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)

What is to be professional

Mariko Momoi (International University of Health and Welfare Hospital, Tochigi, Japan)

Bright future for female child neurologists

Yoko Ohtsuka (Asahigawaso Rehabilitation and Medical Center, Department of Child Neurology, Okayama, Japan)

The difference in a prince and a bride, the gap between a young lady and a queen

Makiko Kaga (Tokyo Metropolitan Tobu Medical Center for children/adults with developmental disabilities)

Challenge to pediatric neurological specialist medical care from the clinic – it is regarded female doctor and the viewpoint

Asayo Ishizaki (Oji clinic: Division of Medicine The Japanese Association on Intellectual and Developmental Disorders, Tokyo, Japan)

How we can achieve a work-life balance?

Hiroko Kodama (Department of Health and Dietetics, Teikyo Heisei University, Tokyo, Japan)

Symposium 14

Room 3 14:50-16:40

The dawn of gene therapy for diseases in child neurology, beginning from AADC deficiency to others.

Chairs: Mitsuhiro Kato (Showa University School of Medicine Department of Pediatrics), Takanori Yamagata (Department of Pediatrics, Jichi Medical University)

Gene therapy for child neurological diseases

Takanori Yamagata (Department of Pediatrics, Jichi Medical University, Tochigi, Japan)

Current status of gene therapy for neurological diseases

Toya Ohashi (Division of Gene Therapy, Center for Medical Sciences, The Jikei University School of Medicine)

AADC deficiency as the representative form of neurotransmitter diseases

Mitsuhiro Kato (Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan)

The report of gene therapy for aromatic L-amino acid decarboxylase (AADC) deficiency

Akihiko Miyauchi¹, Karin Kojima¹, Naoyuki Taga², Sayaka Ono³, Junichi Saito⁴, Yasushi Saga⁵, Hiroaki Mizukami⁵,

Mitsuhiro Kato^{6,7}, Takeshi Nakajima⁸, Hitoshi Osaka¹, Shinichi Muramatsu^{9,10}, Takanori Yamagata¹

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Department of Anesthesiology and Critical Care

Medicine, Jichi Medical University, Tochigi, Japan, 3.Department of Neurology, Saitama Medical Center, Jichi Medical

University, Tochigi, Japan, 4.Department of Radiology, Utsunomiya Central Clinic, Tochigi, Japan, 5.Division of Genetic

Therapeutics, Center for Molecular Medicine, Tochigi, Japan, 6.Department of Pediatrics, Showa University School of

Medicine, Tokyo, Japan, 7.Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan,

8.Department of Neurosurgery, Jichi Medical University, Tochigi, Japan, 9.Department of Neurology, Jichi Medical

University, Tochigi, Japan, 10. Center for Gene and Cell Therapy, The Institute of Medical Science, The University of Tokyo, Tokyo, Japan

Adeno-associated virus opens avenues for therapies of neuropediatric genetic diseases

Hitoshi Osaka¹, Sachie Nakamura¹, Eriko Jimbo¹, Shinichi Muramatsu², Takanori Yamagata¹

1.Department of Pediatrics, Jichi Medical University, Tochigi, Japan 2.Division of Neurology, Jichi Medical University, Tochigi, Japan

Symposium 15

Room 4 14:50-16:40

Functional Gastrointestinal disorders and Brain-Gut Interactions in Children

Chairs: Toshiaki Shimizu (Department of pediatrics, Juntendo University Faculty of Medicine), Hiroshi Tamai (Osaka Medical College, Department of Pediatrics)

Functional gastrointestinal disorders in children

Yoshiko Nakayama (Department of Pediatrics, Shinshu University, Matsumoto, Japan)

Brain-Gut axis and microbiota

Satoru Nagata (Department of Pediatrics, School of Medicine, Tokyo Women's Medical University, Tokyo, Japan)

Abdominal symptoms of the patients with orthostatic dysfunction

Yuko Ishizaki (Department of Pediatrics, Kansai Medical University)

The new examination for pediatric functional gastrointestinal disorders

Kenji Hosoi, Toru Fujii, Takahiro Kudo, Yoshikazu Otsuka, Toshiaki Shimizu (Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan)

Oral Presentation

Room 5 15:00-16:00

Neonatal neurology

Chairs: Fumio Hayakawa (Department of Child Neurology, Okazaki City Hospital), Kiyoshi Matsui (Division of General Medicine, Kanagawa Children's Medical Center)

O-121 Brain MRI findings in congenitally cytomegalovirus infected infants early in life

Kanna Kato¹, Kosuke Nishida¹, Sachiyo Fukushima¹, Tsubasa Kouda¹, Souta Iwatani¹, Hiroaki Nagase¹, Yusuke Sugioka², Tatsuya Nishii², Kazumoto Iijima¹, Ichiro Morioka¹

1.University of Kobe, Kobe, Japan, 2.University of Kobe, Kobe, Japan

O-122 The relationship between EUGR and myelination of pyramidal tract in VLBWI

Akihito Takeuchi, Yuhki Hyodo (Department of Neonatology, NHO Okayama Medical Center, Okayama, Japan)

O-123 Metabolic changes detected by 1H-MRS in preterm infants with normal development

Sachiko Tanifuji, Manami Akasaka, Atsushi Kamei, Nami Araya, Maya Asami, Atsushi Matsumoto, Gennichirou Sotodate, Yu Konishi, Satoko Shirasawa, Yukiko Toya, Syuji Kusano, Shouichi Chida (Iwate Medical University, Iwate, Japan)

O-124 Outcomes and MR imaging in neonates with hypoxia-ischemia encephalopathy treated by hypothermia

Akiko Takeshita¹, Kyoko Hirasawa¹, Ken Imai², Atsushi Uchiyama², Satoshi Kusuda², Satoru Nagata¹

1.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Maternal and Perinatal Center, Tokyo Women's Medical University, Tokyo, Japan.

O-125 Pattern of brain lesions and neurodevelopmental outcome in neonatal herpes simplex encephalitis

Hiroyuki Kidokoro¹, Akihisa Okumura², Takeshi Tuji³, Tetsuo Kubota⁴, Naoki Ando⁵, Yuji Ito¹, Chikako Ogawa¹, Atsuko Ohno¹, Tomohiko Nakata¹, Toru Kato³, Yoko Sakaguti¹, Yu Okai¹, Shinji Saito⁵, Jun Natsume¹

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

English Session

Room 6 15:00-16:00

Neurodevelopmental disorders

Chairs: Osuke Iwata (Dept of Pediatrics, Kurume University School of Medicine), Takayuki Mitsuhashi (Pediatrics, Keio University School of Medicine)

E-032 A follow-up study of children with autism spectrum disorder in relation to the social support

Toru Kurokawa¹, Yuko Yokomizo¹, Satoshi Honjou²

1.Department of Rehabilitation, Seiai Rehabilitation Hospital, Ohnojou, Japan, 2.Department of Pediatrics, National Hospital Organization National Fukuoka Hospital, Fukuoka, Japan

E-033 fNIRS-based assessment of individual classification of ADHD children during an inhibition task

Masako Nagashima¹, Yukifumi Monden¹, Ippeita Dan², Takahiro Ikeda^{1,3}, Minako Uga^{2,4}, Hideo Shimoizumi³, Takanori Yamagata¹

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

E-034 CASK gene mutation in a family with autism spectrum disorder

Toshiyuki Seto¹, Toshiyuki Yamamoto², Haruo Shintaku¹

1.Department of Pediatrics, Graduate School of Medicine, Osaka City University, 2.Tokyo Women's Medical University Institute for Integrated Medical Sciences

E-035 Two types of inhibition tasks allow discrimination between ASD and AD/HD children

Takahiro Ikeda¹, Yukifumi Monden¹, Masahiro Hirai³, Masako Nagashima¹, Hideo Shimoizumi², Hitoshi Osaka¹, Ippeita Dan⁴, Takanori Yamagata¹

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

E-036 Neural bases of decrease in reward sensitivity in pediatric AD/HD, RAD and CFS

Mizuno Kei^{1,2,3}, Takako Joudoi^{4,5}, Akemi Tomoda⁶

1.Pathophysiological and Health Science Team, RIKEN Center for Life Science Technologies, Kobe, Japan, 2.Department of Medical Science on Fatigue, Osaka City University Graduate School of Medicine, Osaka, Japan, 3.Osaka City University Center for Health Science Innovation, Osaka, Japan, 4.Department of Child Development, Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan, 5.Department of Pediatrics, Faculty of Life Sciences, Kumamoto University, Kumamoto, Japan, 6.Research Center for Child Mental Development, University of Fukui, Fukui, Japan

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E-037 Stimulus-driven rightward saccades for detection of asymmetrical visuospatial attention system

Masafumi Sanefuji¹, Hiroshi Yamashita³, Yasunari Sakai², Yoshito Ishizaki², Yoshiyuki Shiotsuka⁴, Daisuke Katsuki³, Satoshi Akamine², Michiko Torio², Momoko Sasazuki², Keiji Iramina⁴, Toshiro Hara^{2,5}, Keiko Yoshida³

1. Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan,

2. Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 3. Department of

Child Psychiatry, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 4. Graduate School of Systems

Life Sciences, Kyushu University, Fukuoka, Japan, 5. Fukuoka Children's Hospital, Fukuoka, Japan

English Session

Room 6

16:00-17:00

Infectious and immunological diseases

Chairs: Masaharu Hayashi (Department of Brain Development of Neural Regeneration Tokyo Metropolitan Institute of Medical Science), Takashi Ichiyama (Department of Pediatrics, Tsudumigaura Medical Center for Children with Disabilities, Yamaguchi, Japan)

E-038 Three cases of neonatal cerebral infarction

Soichiro Toda¹, Shota Yuasa¹, Jun-ichi Takanashi²

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

E-039 Polymorphism of cytokine-related and sodium channel genes in AERRPS

Makiko Saitoh¹, Katuhiro Kobayashi², Ai Hoshino¹, Masashi Mizuguchi¹

1. Department of Developmental Medical Sciences, University of Tokyo, Tokyo, Japan, 2. Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

E-040 Post-vaccination MDEM associated with MOG antibody in a subclinical Chlamydia infected boy

Kohji Azumagawa^{1,2}, Shohei Nomura¹, Ichiro Nakashima³, Mitsuru Kashiwagi⁴, Takuya Tanabe⁵, Shuichi Shimakawa⁶, Hiroshi Tamai⁶

1. Department of Pediatrics, Seikeikai Hospital, Osaka, Japan, 2. National Institute of Advanced Industrial Science and Technology, Osaka, Japan, 3. TOHOKU UNIVERSITY GRADUATE SCHOOL of MEDICINE, Miyagi, Japan, 4. HIRAKATA MUNICIPAL HOSPITAL, Osaka, Japan, 5. TANABE, CHILDREN'S CLINIC, Osaka, Japan, 6. OSAKA MEDICAL COLLEGE, Osaka, Japan

E-041 Impaired glucose tolerance among children and adolescents with circadian rhythm sleep-wake disorder

Makiko Toyoura^{1,2}, Teruhisa Miike^{1,2}, Seiki Tajima^{1,2}, Keiko Owari^{1,2}, Shigeyuki Matsuzawa³, Yukuo Konishi^{1,2}

1. Hyogo Rehabilitation Center Hospital, Hyogo, Japan, 2. Hyogo Children's Sleep and Development Medical Research Center, 3. Research Center for Children's Mental Development, Osaka University

E-042 Mechanisms of brain edema after injury : photolysis of a single neuron alters Cl⁻ in nearby neurons

Kiyoshi Egawa¹, Kiyoshi Egawa¹, Hideaki Shiraishi¹, Kevin Staley²

1. Pediatric department, Hokkaido University Hospital, Sapporo, Japan, 2. Department of Neurology, Massachusetts General Hospital and Harvard Medical School, Boston, USA

E-043 Colonoscopy for asymptomatic, intellectually and physically disabled persons : equity in medicine

Satoshi Honjo¹, Shoichiro Ohno^{1,2}

1. Department of Paediatrics, National Hospital Organization Fukuoka National Hospital, Fukuoka, Japan, 2. Ohno Paediatrics and Internal Medicine Clinic

Afternoon Seminar

Room 5

16:10-17:00

(Sponsored by Janssen Pharmaceutical K.K.)

Treatment of ADHD and its comorbidities

Chair: Yushiro Yamashita (Department of Pediatrics and Child Health Kurume University School of Medicine)

Yoichi Sakakihara (Ochanomizu University, Tokyo, Japan)

General Assembly

Room 2

17:00-17:45

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

Room 2

17:45-18:15

Welcoming chorus

Room 1

18:30-19:00

Welcome reception

Room 1

19:00-21:00

June 5th

Morning Seminar 3

Relay-room 1 7:30-8:20
(Sponsored by Shire Japan KK)

Chair: Kimitoshi Nakamura (Kumamoto University)

Two sisters of progressive myoclonus epilepsy due to Gaucher disease

Hideo Shigematsu (National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

A marker on clinical diagnosis of acute infantile Gaucher's disease Neuropathic type 2

Masaharu Ohfu (Division of Child Neurology, Okinawa Prefectural Southern Medical Center and Children's Medical Center)

Morning Seminar 4

Relay-room 2 7:30-8:20
(Sponsored by Nobelpharma Co., Ltd.)

Knowledge of therapeutic procedures for status epilepticus in childhood : Strategy from measure of the mechanism and etiology

Chair: Akira Oka (Department of Pediatrics, The University of Tokyo)

Hideaki Shiraishi (Department of Pediatrics, Hokkaido University Hospital, Sapporo, Hokkaido)

Educational Lecture 1

Educational lecture room 8:35-9:05

Brain development and its alteration during the preterm period

Chair: Sachio Takashima (Yanagawa Institute for Developmental Disabilities, International University of Health and Welfare)

Hiroyuki Kidokoro (Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan)

Educational Lecture 2

Educational lecture room 9:10-9:40

Treatment and care for children with epileptic disorders focusing on febrile seizure and non-intractable epilepsies during childhood

Chair: Yoshikatsu Eto (Research Institute for Neuroscience)

Shin-ichiro Hamano (Division of Neurology, Saitama Childrens Medical Center, Saitama, Japan)

Educational Lecture 3

Educational lecture room 9:45-10:15

A comprehensive understanding of neurodevelopmental disorders from the viewp oint of endophenotypes

Chair: Komei Kumagawa (Yokohama General Hospital)

Akemi Tomoda (Research Center for Child Mental Development, University of Fukui, Fukui, Japan)

Educational Lecture 4

Educational lecture room 10:20-10:50

Brain injury in premature and term born neonates: Insights from MRI

Chair: Takao Takahashi (Department of Pediatrics, Keio University school of Medicine)

A. James Barkovich (University of California, San Francisco UCSF—Benioff Children's Hospital, USA)

Educational Lecture 5

Educational lecture room 10:55-11:25

Acute encephalopathy/encephalitis in childhood

Chair: Mitsuru Kawai (Higashisaitama National Hospital)

George Imataka (Department of Pediatrics, Dokkyo Medical University School of Medicine, Tochigi, Japan)

The 58th Annual Meeting of the Japanese Society of Child Neurology

Educational Lecture 6 / Luncheon Seminar 15

Educational lecture room 11:55-12:55

(Sponsored by CHUGAI PHARMACEUTICAL CO., LTD. / Taisho Toyama Pharmaceutical Co., Ltd.)

The mechanisms of aggravation of influenza virus infection and influenza-associated encephalopathy, and proposals of their therapeutic options

Chair: Kosaku Ohno (Japan Labour, Health and Welfare Organization Sanin Rosai Hospital)

Hiroshi Kido (Institute for Enzyme Research, Tokushima University, Tokushima, Japan)

Educational Lecture 7

Educational lecture room 13:10-13:40

A practical approach to the children with headache: promising tips for a better management

Chair: Tomoyuki Nakazawa (Toshima Hospital)

Yoshiaki Saito (Division of Child Neurology, Department of Brain and Neurosciences, Tottori University, Yonago, Japan)

Educational Lecture 8

Educational lecture room 13:45-14:15

Genetic Testing : From bedside to clinic

Chair: Kayoko Saito (Institute of Medical Genetics, Tokyo Women's Medical University)

Kenjiro Kosaki (Center for Medical Genetics, Keio University School of Medicine)

Educational Lecture 9

Educational lecture room 14:20-14:50

Some topics on medical certificate charges: institutional difference by questionnaire survey with councillor

Chair: Hideo Sugie (Faculty of Health and Medical Sciences, Tokoha University)

Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine, Tokyo, Japan)

Educational Lecture 10

Educational lecture room 14:55-15:25

Clinical features of pediatric immune-mediated CNS diseases: diagnosis and treatments of demyelinating diseases

Chair: Toru Kurokawa (Seiai Rehabilitation Hospital)

Hirofumi Torisu (Section of Pediatrics, Department of Medicine, Fukuoka Dental College, Fukuoka, Japan)

Educational Lecture 11

Educational lecture room 15:30-16:00

Advances in Skeletal Muscular Imaging as diagnostic tools for neuromuscular diseases

Chair: Kazuie Inuma (Children's Village Tohoku)

Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)

Poster Presentation

June 3rd

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Epilepsy and convulsive diseases 1

Moderator: Takashi Shiihara (Gunma Children's Medical Center)

P-001 Weekly ACTH therapy for the case with infantile epileptic encephalopathy

Tamami Yano¹, Hiroki Kubota¹, Tsutomu Takahashi¹, Toshiyuki Yamamoto²

1.Akita University Graduate School of Medicine, Department of Pediatrics, 2.Tokyo Women's Medical University Hospital

P-002 Ineffective quinidine treatment in an early onset epileptic encephalopathy with KNCT1 mutation

Pin Fee Chong^{1,2}, Masaru Matsukura¹, Ryoko Nakamura¹, Toru Imagi¹, Hiroto Saito³, Ryutaro Kira¹

1.Department of Pediatrics Neurology, Fukuoka Children's Hospital, Fukuoka, Japan, 2.Department of General Pediatric, Fukuoka Children's Hospital, Fukuoka, Japan, 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-003 One case that developed CSWS after neonatal thalamic hemorrhage and DZP high dose therapy succeeded

Hiroo Tani^{1,2}, Nobutsune Ishikawa^{1,2}, Yoshiyuki Kobayashi^{1,2}, Yuji Fujii^{1,2}, Masao Kobayashi¹

1.Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan, 2.Epilepsy Center, Hiroshima University Hospital, Hiroshima, Japan

P-004 Clinical features of Lennox-Gastaut syndrome having clusters of tonic seizures after callosotomy

Ryoko Honda¹, Tomonori Ono², Keisuke Toda², Noriko Koide¹, Tadateru Yasu¹, Shigeki Tanaka¹, Hiroshi Baba²

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

P-005 Two cases of West syndrome resulting in emergent surgery during ACTH treatment

Shinsaku Yoshitomi, Yukitoshi Takahashi, Hideyuki Otani, Taikan Oboshi, Asako Horino, Tomokazu Kimizu, Takayoshi Koike, Naoko Koseki, Tokito Yamaguchi, Hiroko Ikeda, Hideo Shigematsu, Katsumi Imai, Yushi Inoue (Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan)

P-006 Treatment of quinidine for West syndrome with KCNT1 gene mutation

Masataka Fukuoka¹, Hisashi Kawawaki¹, Ichirou Kuki¹, Kiyohiro Kin¹, Yuka Hattori¹, Hitomi Tsuji¹, Megumi Nukui¹, Shin Okazaki¹, Youko Yoshida², Takehiro Uda³, Hiroto Saito⁴, Nobuhiko Okamoto⁵

1.The Department of Neuropediatrics, Osaka City General Hospital, Osaka, Japan, 2.The Department of Pediatric electrophysiology, Osaka City General Hospital, Osaka, Japan, 3.The Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Japan, 4.The Department of Human genetics, Yokohama City University, Yokohama, Japan, 5.The Clinical Genetics Department of Osaka Medical Center and Research Institute Maternal and Child Health, Osaka, Japan

P-007 A case of drug resistant CSWS which showed clinical improvement after transection of corpus callosum

Hisashi Tsuru¹, Nozomi Sano¹, Mayumi Matsufuji¹, Shinsuke Maruyama², Ryouko Honda³, Keisuke Toda⁴

1.The Pediatric Department, Minamikyusyu Hospital, Kagoshima, Japan, 2.The Pediatric Department, University of Kagoshima, Kagoshima, Japan, 3.The Pediatric Department, Nagasaki Medical Center, Nagasaki, Japan, 4.The Cranial Nerve Surgery Department, Nagasaki Medical Center, Nagasaki, Japan

P-008 Withdrawn

P-009 Efficacy of high-dose vitamin B6 therapy with West syndrome

Motoko Ogino¹, Mitsuru Kashiwagi¹, Takuya Tanabe², Chizu Oba¹, Shuichi Shimakawa³, Hiroshi Tamai³

1.Haricot City Hospital, Osaka, Japan, 2.Tanabe Children Clinic, Osaka, Japan, 3.Osaka Medical College Hospital, Osaka, Japan

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Epilepsy and convulsive diseases 2

Moderator: Yasuhiko Kawakami (Department of Pediatrics, Nippon Medical School Tama Nagayama Hospital)

P-010 Seizure severities of children with epilepsy can affect perception of stigma in their parents

Hideaki Kanemura¹, Fumikazu Sano¹, Tetsuo Ohya¹, Kanji Sugita¹, Masao Aihara²

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

P-011 Study of pregnancy and delivery in woman with epilepsy

Yuki Kawamura¹, Ayumi Fukuda¹, Ryutaro Kohira¹, Tatsuo Fuchigami¹, Yukihiko Fujita¹, Shori Takahashi¹, Atsushi Nishimura¹, Narumi Michihiro², Hiroaki Shiihara², Takao Harasawa²

1.Department of pediatrics, Nihon university school of medicine, Tokyo, Japan, 2.Ashikaganomori ashikaga hospital, Tochigi, Japan

P-012 Two types of ictal epileptiform activity using video-EEG: a case report of 2 month-old boy

Takako Matsumoto, Toshiro Maihara (Hyogo Prefectural Amagasaki General Medical Center, Hyogo, Japan)

P-013 To establish strategy for medical student to publish case report in pediatric neurology

Yosuke Kakisaka¹, Naomi Hino-Fukuyo², Seiichi Ishii³, Mayu Fujikawa¹

1.Department of Epileptology, Tohoku University School of Medicine, Sendai, Japan, 2.Department of Medical Genetics, Tohoku University School of Medicine, Sendai, Japan, 3.Department of Medical Education, Tohoku University School of Medicine, Sendai, Japan

P-014 Two case reports of psychogenic non-epileptic seizure, secondary to refractory epilepsy

Taro Kitamura¹, Yu Aihara¹, Rikio Suzuki¹, Mitsuji Moriya¹, Toshiyuki Nishio¹, Masaru Takayanagi¹, Toshihiro Ohura¹, Yoshitugu Oikawa², Mitsugu Uematsu²

1.Department of Pediatrics, Sendai City Hospital, Sendai, Japan, 2.Department of Pediatrics, Tohoku University, School of Medicine, Sendai, Japan

P-015 Severe motor and intellectual disability accompanied with hyper folic academia: a case report

Shohei Kusabiraki¹, Tomomi Tanaka¹, Akiko Hiraiwa¹, Yuki Watanabe¹, Takashi Kuramoto¹, Seiko Fuziki¹, Chiaki Tanaka¹, Kazushi Miya², Yuichi Adachi¹

1.Department of Pediatrics, University of Toyama, Japan, 2.University of Toyama, Faculty of Human Development

P-016 The cognitive function changes of epilepsy with children in DN-CAS

Mitsuru Kashiwagi¹, Takuya Tanabe², Motoko Ogino¹, Chizu Oba¹, Sousuke Yoshikawa³, Ryohei Miyamoto⁴, Syuichi Shimakawa⁵, Kouji Azumzawa⁶, Eiji Wakamiya⁷, Hiroshi Tamai⁵

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

P-017 A case of ICOE-G which caused respiratory suppression during non-convulsive status epilepticus

Keiko Funata^{1,2}, Tatsuhiko Shike¹, Toshiki Takenouchi², Yukio Yamashita¹

1.Department of Pediatrics, Yokohama Municipal Citizens Hospital, Yokohama, Japan, 2.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan

P-018 99mTc ECD-SPECT and spinal fluid cytokines levels of complex febrile seizures

Natsumi Morishita, Gaku Yamanaka, Tomomi Urabe, Mika Takeshita, Shinichiro Morichi, Yu Ishida, Shingo Oana, Hisashi Kawashima (The Department of Pediatrics, Tokyo Medical University, Tokyo, Japan)

P-019 5 patients with shuddering attacks

Taku Omata, Yoshimi Watanabe, Yukiko Iida, Kazuo Kodama (Division of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Epilepsy and convulsive diseases 3

Moderator: Yusaku Miyamoto (Division of Pediatrics, Kawasaki Municipal Tama Hospital)

P-020 Two cases treated with hemispherectomy for intractable epilepsy with bilateral cerebral lesions

Yuji Fujii^{1,2}, Hiroto Tani^{1,2}, Yoshiyuki Kobayashi^{1,2}, Nobutune Ishikawa^{1,2}, Masaya Katagiri², Kota Kagawa², Koji Iida², Masao Kobayashi¹

1.Department of Pediatrics, Hiroshima University, Hiroshima, Japan, 2.Epilepsy center, Hiroshima University, Hiroshima, Japan

P-021 A case of Rasmussen syndrome which is controlled by early oral corticosteroid therapy

Tsuyoshi Matsuoka, Masaharu Ohfu, Masato Hiyane (Division of Child Neurology, Okinawa Prefectural Nanbu Medical Center and Children's Medical Center, Okinawa, Japan)

P-022 Late onset infantile spasms associated with temporal brain tumor

Mari Inami¹, Yohane Miyata¹, Miwa Nakagawa¹, Yumiko Namiki¹, Eiko Nakano¹, Yuichiro Matsuoka¹, Makiko Shimazaki¹, Yumiko Komatsu¹, Yukiko Nakamura³, Akira Oka^{1,2}, Kunimasa Yan¹

1.Department of Pediatrics, Kyorin University, Tokyo, Japan, 2.Department of Pediatrics, University of Tokyo, Tokyo, Japan, 3.Shimada Ryoiku Center Hachioji, Tokyo, Japan

P-023 The seizure courses and EEG changes after corpus callosotomy for falling attacks after West syndrome

Koji Takahashi¹, Kenji Sugai¹, Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Takashi Saito¹, Hirofumi Komaki¹, Eiji Nakagawa¹, Akio Takahashi², Taisuke Otsuki², Masayuki Sasaki¹

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

P-024 A surgical case of intractable complex partial epilepsy with cavernous hemangioma

Tomofumi Fukuda, Masayuki Shimono, Masahiro Ishii, Ayako Senju, Yumeko Matsuda, Kouichi Kusuhara (University of Occupational and Environmental Health Japan, Kitakyushu, Japan)

- P-025 What kind of short-term effective antiepileptic drugs for childhood epilepsy with tuberous sclerosis
Misako Kinoshita^{1,2}, Kenjiro Kikuchi², Norimichi Higurashi², Shin-Ichiro Hamano³
1.Department of Pediatrics, Fuji City General Hospital, Sizuoka, Japan, 2.Department of Pediatrics, Jikei University school of Medicine, Tokyo, Japan, 3.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- P-026 Type IIb focal cortical dysplasia causing sudden onset intractable partial epilepsy in adolescence
Itaru Hayakawa^{1,2}, Satoko Kumada¹, Michiharu Morino³, Shunpei Uchino¹, Ikuko Shirai¹, Yasuo Hachiya¹, Eiji Kurihara¹
1.Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2.Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan, 3.Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- P-027 Effect of behavioral changes by performing a surgical therapy for intractable epilepsy
Mitsuhiro Matsuo¹, Akiko Fujii¹, Ryouko Honda², Keisuke Toda³, Tomonori Ono³, Hiroshi Baba⁴, Tatsuharu Sato⁵, Yoshiaki Watanabe⁵, Kiyoko Watanabe⁶
1.Nagasaki Prefectural Center of handicapped children, Nagasaki, Japan, 2.Department of Pediatrics, Nagasaki Medical Center, National Hospital Organization, 3.Department of Neurosurgery, Nagasaki Medical Center, National Hospital Organization, 4.Department of Neurosurgery, Nishiishaya Hospital, 5.Department of Pediatrics, Nagasaki University Hospital, 6.Department of Pediatrics, Saiseikai Nagasaki Hospital
- P-028 Hippocampal sclerosis following reversible posterior encephalopathy syndrome in a boy
Atsushi Sato¹, Konomi Shimoda¹, Yoko Mizuno¹, Sayaka Ohta¹, Mariko Kasai¹, Akira Oka¹, Masashi Mizuguchi²
1.Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.Department of Developmental Medical Sciences, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Neurodevelopmental disorders 1

Moderator: Kuniaki Iyoda (Fukuyama Support Center Of Development and Care for Children)

- P-029 The correlation between small beta power on frontal area and clinical symptoms in ADHD
Kosuke Kohashi¹, Mariko Okubo¹, Eiji Nakagawa¹, Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Takashi Saitou¹, Hirofumi Komaki¹, Kenji Sugai¹, Ayako Fukuda², Mikimasa Oomori^{2,3}, Masumi Inagaki², Masayuki Sasaki¹
1.Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan., 2.Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Japan., 3.Japan Society for the Promotion of Science, Japan.
- P-030 Diagnosis and longitudinal assessment of symptoms in the preschool children with AD/HD
Manabu Tanaka¹, Motoyuki Minamitani², Yuri Nariya¹, Mai Kuroda¹, Ryuuki Matsuura², Yuuko Hirata², Reiko Koichihara¹, Satoru Ikemoto², Erika Hiwatari², Shin-Ichiro Hamano^{1,2}
1.Division of Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan, 2.Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- P-031 Diagnosis and clinical evaluation of ADHD in adolescence
Tetsuro Sakai^{1,2}, Naomitsu Suzuki¹
1.Tsukuba Clinic for Mental Sick Children & Adolescents, Tsukuba, Japan, 2.The Department of Pediatrics, Yuai Memorial Hospital, Koga, Japan
- P-032 5 cases who were attempted to discontinue the medication for ADHD
Yumi Habata¹, Akashi Ishikawa², Akira Sudo², Yuki Ueda²
1.Department of Pediatric Rehabilitation, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo, Japan, 2.Department of Pediatrics, Nire-No-Kai Children Clinic, Sapporo, Japan
- P-033 Two cases of ADHD in a patient with Noonan syndrome
Yumiko Oono, Keiko Wada, Shuji Matsui, Keiko Akahoshi, Mitsunobu Matsuda, Masuko Funahashi, Yasuyuki Suzuki (The Tokyo Children rehabilitation's hospital, Tokyo, Japan)
- P-034 Effect of the short summer treatment program for ADHD
Kotaro Yuge¹, Rumiko Hirata¹, Akiko Iemura¹, Go Shimomura¹, Yasuhiro Tada², Chizuru Anai², Akiko Mukasa², Chiyomi Egami³, Shinichiro Nagamitsu¹, Yushiro Yamashita^{1,2}
1.Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan, 2.NPO corporation KURUME STP, Kurume, Japan, 3.Faculty of Nursing, Fukuoka Prefectural University, Tagawa, Japan
- P-035 Trend of medication for attention-deficit/hyperactive-disorder in our department
Chika Hosoda^{1,2}, Kouyou Oono¹, Yoko Nishimura¹, Akiko Tamasaki¹, Yoshiaki Saitou¹, Yoshihiro Maegaki¹
1.The Department of Child Neurology, Tottori University, Tottori, Japan, 2.Tottori Pref. Rehabilitation Center for Children, Tottori, Japan
- P-036 Tolerability of atomoxetine (ATX) in ADHD associated with epilepsy
Takuya Tanabe¹, Mitsuru Kashiwagi², Motoko Ogino², Chizuru Oba², Shuichi Shimakawa³, Eiji Wakamiya⁴, Hiroshi Tamai³
1.Tanabe Children's Clinic, 2.Department of Pediatrics, Hirakata City Hospital, 3.Department of pediatrics, Osaka Medical College, 4.Aino University

P-037 Efficacy of atomoxetine in a boy with frontal lobe injury

Miho Fukui¹, Shuichi Shimakawa¹, Mari Hatanaka¹, Naoko Kurimoto², Mekumi Mizuta², Takashi Takeshita², Tomohito Okumura², Eiji Wakamiya³, Hiroshi Tamai¹

1.The Department of Pediatrics,Osaka Medical College, Osaka, Japan, 2.LD Center, Osaka Medical College, Osaka, Japan, 3.Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University, Osaka, Japan

P-038 Investigation of enviromental factor in ADHD

Kazumichi Nishizawa (Shizuoka Red Cross Hospital, Shizuoka, Japan)

P-039 Developmental problems of very low birth weight infants who need long-term follow-up

Akio Nakamura¹, Kyoko Hatta¹, Ena Hirai¹, Ryoko Koike¹, Kana Ikejiri¹, Kumiko Kato¹, Satomi Mitomo¹, Nao Oikawa¹, Mariko Hosozawa¹, Tomohiro Iwasaki¹, Naomi Yoshikawa¹, Kyoko Tanaka^{1,2}, Toshiaki Shimizu¹

1.The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan, 2.Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Neurodevelopmental disorders 2

Moderator: Akio Nakai (Hyogo Children's Sleep and Department Medical Research Center)

P-040 Clinical study of medical consultation in Developmental Counseling and Support Center in Kawasaki

Kazue Takagi (Yokohama Central Area Habilitation Center for Children, Yokohama, Japan / Developmental Counseling and Support Center in Kawasaki, Kawasaki, Japan)

P-041 Consultation and support for developmental disorder at regional core hospitals

Aki Kurihara, Hiroki Iwasaki, Yukiko Oosawa, Toshimasa Obonai (Department of Pediatrics, Tama-Hokubu Medical Center, Tokyo, Japan)

P-042 Clinical tendency of neurodevelopmental disorders

Hitomi Hayashi, Naomi Morishima, Reimi Turusawa, Noriko Nakamura, Sawa Kurata, Atushi Ogawa (Fukuoka University Chikushi Hospital,Fukuoka,Japan)

P-043 Visit by pediatric neurologist – let's go to the class and the teacher's room

Kosuke Nakano¹, Miyuki Ushida²

1.Special Support Education Course, Faculty of Education, Ehime University, Matsuyama, Japan, 2.Department of pediatric psychosomatic medicine, Shikoku Medical Center for Children and Adults, National Hospital Organization, Zentsuji, Japan

P-044 Medical office questionnaire survey to affect the at-home support of persons with SMID in Shizuoka

Shinji Yamakura, Kazue Asano (TSUBASA SHIZUOKA)

P-045 Practice of "Sagami Nijjiro Net" supporting the children with the Neurodevelopmental disorders

Nozomi Hosoda (Sagamihara Ryouikuen, Insutitute for Severe Disabeled, Sagamihara, Kanagawa, Japan)

P-046 Special consultation for developmental disability child to support school or child care center

Mitsuyo Haraguchi (Kanagawa Prefectural Medical Care and Counseling Center for the Handicapped, Kanagawa, Japan)

P-047 The examination of cooperation for support to children with neurodevelopmental disorders

Yukie Yasunaga, Reina Ogata, Kyoko Watanabe (Natuinal Hospital Organization,Kokura Medical Center,Fukuoka,Japan)

P-048 The project of cooperation among organizations related to children needing home medical care

Michiaki Nagura (Saitama Medical Center, Kawagoe, Japan)

P-049 The history of ten years our child health facilities support activity ; the role and agenda

Kyoko Hatta¹, Akio Nakamura¹, Ena Hirai¹, Ryoko Koike¹, Kana Ikejiri¹, Kumiko Kato¹, Satomi Mitomo¹, Nao Oikawa¹, Mariko Hosozawa¹, Tomohiro Iwasaki¹, Naomi Yoshikawa¹, Kyoko Tanaka^{1,2}, Toshiaki Shimizu¹

1.The Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan, 2.Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan

P-050 Atomoxetine ameliorates nocturnal enuresis in patients with mild ADHD

Yoshiyuki Ohtomo, Noboru Yoshida, Daisuke Umino, Shintaro Yamashita, Shinichi Nijima (Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan)

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Neurodevelopmental disorders 3

Moderator: Yuka Suzuki (Matsuyama Red Cross Hospital)

P-051 Evaluation of brain MRI findings in autism spectrum disorders

Hiromichi Ito¹, Kenji Mori², Masafumi Harada³, Sonoka Hisaoka³, Yoshihiro Toda¹, Tatsuo Mori¹, Aya Goji¹, Yoko Abe¹, Masahito Miyazaki¹, Shoji Kagami¹

1.Department of Pediatrics, Tokushima University, Tokushima, Japan, 2.Department of Child Health & Nursing, Tokushima University, Tokushima, Japan, 3.Department of Radiology, Tokushima University, Tokushima, Japan

P-052 Evaluation of epilepsy and brain EEG findings in autism spectrum disorders

Hiromichi Ito¹, Kenji Mori², Yoshihiro Toda¹, Tatsuo Mori¹, Aya Goji¹, Yoko Abe¹, Masahito Miyazaki¹, Shoji Kagami¹

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

- P-053 Developmental characteristics in early infancy of the children with autism spectrum disorders
Kyouko Hirasawa, Akiko Takeshita, Satoru Nagata (The Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)
- P-054 Clinical diversity in siblings with developmental dyslexia
Masao Kawatani^{1,3,4}, Genrei Ohta^{1,4}, Hiroshi Kometani², Shinichirou Takiguchi^{3,4}, Yusei Ohshima¹, Akemi Tomoda³, Michio Hiratani⁴
1.Department of Pediatrics, Faculty of Medical Sciences, University of Fukuoka, Fukuoka, Japan, 2.Department of Pediatrics, Houju Memorial Hospital, Noumi, Ishikawa, Japan, 3.Child Development Research Center, University of Fukuoka, Fukuoka, Japan, 4.Hiratani Child Development Clinic, Fukuoka, Japan
- P-055 Features and reading developments among expressive language disorder and speech sound disorder
Yoshiko Nomura, Youko Kishimoto, Kaoru Amemiya, Yuri Ozawa, Ayako Tsumita, Yukiko Nakamura, Nobuko Sugiura, Hiroshi Ozawa (Shimada Ryoiku Center Hachioji)
- P-056 Follow-up survey of the autistic children whom we intervened in with under 3 years old early
Keiko Maeda, Keitaro Sueda, Keiko Morioka, Sachiyo Hayakawa, Izumi Hara (Shizuoka Iryou fukusi center, Department of Child neurology, Shizuoka, Japan)
- P-057 Risperidone for treatment of sleep disorders in young children with autism spectrum disorder
Keitaro Sueda¹, Keiko Maeda²
1.Sapporo Child center, Sapporo, Japan, 2.Shizuoka Medical Welfare Center, Shizuoka, Japan
- P-058 Parental age on autism spectrum disorder sibling in Shimada Ryoiku Center Hachioji
Yoko Narumi-Kishimoto, Yoshiko Nomura, Kaoru Amemiya, Ayako Tsumita, Yukiko Nakamura, Nobuko Sugiura, Yuri Ozawa, Hiroshi Ozawa (Department of Pediatrics, Shimada Ryoiku Center Hachioji, Tokyo, Japan)
- P-059 Analysis of thermogenesis mechanism in the autistic children
Tomohiro Nakayama, Haruka Ooguro, Junko Nakayama, Nobuaki Iwasaki (Department of Pediatrics, Ibaraki Prefectural University of Health Science, Ami, Japan)
- P-060 Evaluation of pharmacotherapy based on EEG for autistic traits
Eiji Nakagawa (Department of Child Neurology, National Center Hospital, NCNP, Tokyo, Japan)
- P-061 Delayed diagnosis of pseudohypoparathyroidism without hypocalcemia : a case report
Naohito Arai (Department of Pediatrics, Juntendo Shizuoka Hospital)

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Cerebral palsy and rehabilitation 2

Moderator: Akira Yoneyama (National Rehabilitation Center for disabled Children)

- P-062 The development of educational program to support children with special health care needs
Nobuyuki Yotani^{1,2}, Takashi Hamazaki², Haruo Shintaku²
1.Department of Palliative Medicine, Kobe University Graduate School of Medicine, Kobe, Japan, 2.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan
- P-063 Medical agency survey about home-care for medically complex patients with special health-care needs
Yoshiko Tsubouchi^{1,2}, Ayako Itakura², Akiko Tamasaki², Yoshihiro Maegaki²
1.Department of Pediatrics, National Hospital Organization Yonago Medical Center, Yonago, Japan, 2.Division of Child Neurology, Faculty of Medicine, Tottori University, Yonago, Japan
- P-064 Long-term usage of nasal-pharyngeal airway
Nagahisa Takahashi, Makiko Kanazawa, Kaori Ogita, Akiko Koyama, Jyunko Ohinata, Ikumi Kimura, Mika Nagase, Katutoshi Nakatani, Akira Yoneyama, Eiji Kitazumi (Department of Pediatrics, National Rehabilitation Center for Disabled Children)
- P-065 Research in home-visiting service for person with severe motor and intellectual disabilities
Hiromi Hosaka¹, Kazuo Hatakeyama¹, Kakuro Aoyagi¹, Yuhko Kamiya², Yoshimi Kaga², Kousuke Nakamura², Sayaka Ishii², Kanji Sugita³, Masao Aihara⁴
1.The Department of Pediatrics, AKEBONO Medical Welfare Center, Yamanashi, Japan, 2.The Department of Pediatrics, National Hospital Organization Kofu National Hospital, Yamanashi, Japan, 3.The Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan, 4.Interdisciplinary Graduate School, University of Yamanashi, Yamanashi, Japan
- P-066 Three years experience of Children's Hospice
Makoto Nabetani (Department of Pediatrics, Hospice-Children's Hospice Hospital, Osaka, Japan)
- P-067 Questionnaire survey of severe motor and intellectual disabilities in western Shizuoka prefecture
Teruhiko Suzuki, Yuusaku Endo, Kouichi Hirano (Hamamatsu City Welfare and Medical Center for Development, Department of Pediatric Neurology, Hamamatsu, Japan)
- P-068 The survey of patients who have left the center for children with disabilities
Yuko Nakamura¹, Ayako Tanabe¹, Madoka Shiota¹, Tadashi Kitahara¹, Yoshihiro Maegaki²
1.Tottori Prefectural Rehabilitation Center for Children with Disabilities, Yonago, Japan, 2.The department of child Neurology, Tottori University, Yonago, Japan

P-069 Effect of ITB therapy from the standpoint of pediatric home support

Sunao Tomita^{1,2}, Youzi Ikuta¹, Takayuki Mori¹, Asami Itou¹, Hiromi Suzuki¹, Ayaka Koide^{1,2}, Sahoko Miyama¹, Satoshi Ihara³

1.The Department of Neurology ,Tokyo Metropolitan Children`s Medical Center,Tokyo,Japan, 2.The Department of Child and family support ,Tokyo Metropolitan Children`s Medical Center,Tokyo,Japan, 3.The Department of Neurosurgery,Tokyo Metropolitan Children`s Medical Center,Tokyo,Japan

P-070 Predictive value of brain imaging for gross motor function after severe head trauma in school age

Kayo Ohmura, Yukihiro Kitai, Kaeko Ogura, Satori Hirai, Hiroshi Arai (Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan)

P-071 Medical supports for persons with SMID at home in day care centers in Hiroshima prefecture

Kunihiko Sawano¹, Tadashi Matsubasa²

1.Department of pediatrics, Hiroshima prefectural rehabilitation center, Higashihiroshima, Japan, 2.Chair of Severe Motor and Intellectual Disabilities, Kumamoto University Hospital, Kumamoto, Japan

P-072 The messages to the child neurologists in terms of problems on the patients with dysphagia

Sou Atsumi (The Department of Pediatrics,Tokyo Metropolitan Fuchu Medical Center for the Disabled,Tokyo,Japan)

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Cerebral palsy and rehabilitation 2

Moderator: Yuji Iwasaki (Tokyo Metropolitan Tobu Medical Center for Persons with Developmental/Multiple Disabilities)

P-073 Clinical usefulness of SP-D for detecting chronic aspiration in severely disabled children

Hiroyuki Wakamoto, Mika Kawabe, Takehiko Morimoto (The Department of Pediatric Neurology, Ehime Rehabilitation Center for Children, Ehime, Japan)

P-074 Study of mechanical insufflation-exsufflation (Cough Assist E70) for SMID

Toshihiro Suzuki, Mariko Takagi, Yuji Tachioka, Shiho Honzawa, Hitomi Noguchi, Hideomi Ohta, Tatsuo Masuyama, Yuji Iwasaki, Makiko Kaga (Department of Pediatrics, Tokyo Metropolitan Tobu Medical Center for Persons with Developmental / Multiple Disabilities)

P-075 Prognosis of eating and swallowing disorder of malformation syndrome

Mika Hayakawa, Yukikatsu Ochiai, Sakiko Oshima, Yuki Shimazaki, Seiko Hirose, Masayuki Imai (Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled)

P-076 A cohort study of L-carnitine supplementatiotn for severe physical and mental disabilities

Tomomi Ogata¹, Kazuhiro Muramatsu¹, Nishiki Makioka¹, Noriko Sawaura¹, Kouzi Kaneko², Hirokazu Arakawa¹
1.Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan, 2.Hannna-Sawarabi Ryouikuen, Gunma,Japan

P-077 Treatment and Clinical course of hypocarnitinemia in our hospital

Watanabe Toshihide, Takayama Rumiko, Ogasawara Masashi (The Department of Pediatrics,Hokkaido Children's Hospital and Rehabilitation)

P-078 Tracheostomy tube selection including order-made tube for 79 patients with neurological impairment

Makiko Kanazawa^{1,2}, Eiji Kitazumi¹, Akira Yoneyama¹, Shori Nakatani¹, Junko Ohinata¹, Ikumi Kimura¹, Mika Nagase¹, Akiko Koyama¹, Nagahisa Takahashi¹, Takako Yui¹, Naoto Yamaguchi¹, Kaori Ogita¹
1.Department of Pediatrics, National Rehabilitation Center for Disabled Children, Tokyo, Japan, 2.Department of Pediatrics, Kyorin University, Tokyo, Japan

P-079 Cognitive dysfunctions in children with periventricular leukomalacia

Kaeko Ogura, Masahiro Kitai, Kayo Ohmura, Satori Hirai, Hiroshi Arai (The Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan)

P-080 Dysphagia in cerebral palsy with bilateral basal ganglia and thalamic lesion

Yukihiro Kitai, Kaeko Ogura, Kayo Ohmura, Satori Hirai, Hiroshi Arai (The Department of Pediatric Nerurology, Morinomiya Hospital, Osaka, Japan)

P-081 Clinical examination of tracheostomy or laryngotrache-separated children

Shin Okazaki¹, Kiyohiro Kim¹, Masataka Fukuoka¹, Yuka Hattori¹, Hitomi Tsuji¹, Megumi Nukui¹, Ichirou Kuki¹, Hisashi Kawawaki¹, Kiyotaka Tomiwa³, Tomoaki Nakano², Nobuaki Kanemura²
1.Departmet of Pediatric Neurology, Osaka City General Hospital,Osaka,Japan, 2.Osaka City General Hospital,Osaka,Japan, 3.Todaiji Hospital,Nara,Japan

P-082 Bone mineral density assessment for patients with severe motor and intellectual disabilities

Naoko Ishikawa, Takashi Ichiyama, Hiroshi Isumi, Yoshitsugu Sugio (Department of Pediatrics, Tsudumigaura Medical Center for Children with Disabilities, Shunan, Japan)

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Cerebral palsy and rehabilitation 3

Moderator: Masayuki Imai (Tokyo Metropolitan Kita Medical and Rehabilitation Center)

- P-083 A case of suspected late dumping syndrome due to hyperinsulinemic hypoglycemia during tube feeding
Hiroaki Ono (The Department of Pediatrics, Hiroshima Prefectural Hospital, Hiroshima, Japan)
- P-084 Two cerebral palsy patients whose vomiting symptom improved by gastrojejunostomy
Akagi Kazuko¹, Ushio Ootaki¹, Keiko Matsuda¹, Kenji Ikeda¹, Kayoko Takahashi¹, Akiko Kamiishi¹, Kiyoshi Arimoto¹, Tetsushi Kimiya¹, Kenji Miyama²
1.Shimada Ryoiku Center, Tokyo, Japan, 2.National Center of Neurology and Psychiatry, Tokyo, Japan
- P-085 A case of status dystonicus due to athetoid cerebral palsy
Yuki Shimazaki^{1,2}, Sakiko Oshima^{1,2}, Masamichi Ariga^{1,2,3}, Akinobu Tamari^{1,2,4}, Mika Hayakawa^{1,2}, Seiko Hirose^{1,2}, Yukikatsu Ochiai^{1,2}, Masayuki Imai^{1,2}
1.Kita Medical and Rehabilitation Center for the Disabled, Tokyo, Japan, 2.The Jikei University school of Medicine, Tokyo, Japan, 3.Kanagawa Rehabilitation Hospital, Tokyo, Japan, 4.Fuji City General Hospital, Tokyo, Japan
- P-086 Effects of embolization for collateral artery of chronic atelectasis in severe retarded patients
Sayaka Ishii^{1,2}, Yoshimi Kaga^{1,2}, Kosuke Nakamura^{1,2}, Yuko Kamiya^{1,2}, Hideaki Kanemura², Kanji Sugita², Masao Aihara³
1.Department of pediatrics, National Hospital Organization Kofu National Hospital, Yamanashi, Japan, 2.Dapartment of Pediatrics, University of Yamanashi, Yamanashi, Japan, 3.Department of Health Science and Community, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- P-087 The 9 year-old girl who had end-of-life care according to the ACP
Yoshitaka Iijima, Masahisa Funato, Hiroshi Wada (Osaka Developmental Rehabilitation Center, Osaka, Japan)
- P-088 Clinical profiles of individuals with hydranencephaly with prolonged survival
Koichi Maruyama, Yuuki Maki, Ayako Umemura, Keitaro Yamada, Kosaburo Aso (Department of Pediatric Neurology, Central Hospital, Aichi Prefectural Colony)
- P-089 A case of adolescent CCHS complicated by high blood pressure
Seiko Hirose^{1,2}, Mika Hayakawa^{1,2}, Sakiko Oshima^{1,2}, Yuki Shimazaki^{1,2}, Yukikatsu Ochiai^{1,2}, Masayuki Imai^{1,2}
1.Kita Medical and Rehabilitation Center for the Disabled, Tokyo, Japan, 2.The Jikei University school of Medicine, Tokyo, Japan
- P-090 Status epilepticus in children (individuals) with severe motor and intellectual disabilities
Keiko Wada, Yumiko Oono, Takako Tamura, Michiko Makino, Shuji Matsui, Mitsunobu Matsuda, Keiko Tanagi, Masuko Funahashi, Keiko Akahoshi, Toshihide Shiiki (Department of Pediatrics Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)
- P-091 The home care of patients with cerebral palsy over 20 years old in anticipation of the end of life
Ayaka Koide¹, Itaru Hayakawa², Hiroshi Ozawa³, Takayuki Mori¹, Asami Ito¹, Hiromi Suzuki¹, Sahoko Miyama¹, Sunao Tomita¹
1.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Fuchu, Tokyo, Japan, 2.Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Fuchu, Tokyo, Japan, 3.Department of Pediatric Neurology, Shimada Ryoiku Center Hachioji, Tokyo, Japan
- P-092 A ureteral calculus with appetite loss as an initial symptom due to zonisamide and acetazolamide
Yu Katata^{1,2}, Hitoshi Mikami¹, Naomi Hukuyo^{1,2,3}
1.Department of Pediatrics, Iwate Prefectural Central Hospital, Iwate, Japan, 2.Department of Pediatrics, University of Tohoku, Sendai, Miyagi, Japan, 3.Department of Genetics, University of Tohoku, Sendai, Miyagi, Japan
- P-093 The effect of mechanical in-exsufflation in NPPV for children with SMID
Shuji Matsui, Masuko Funahashi, Yumiko Oono, Michiko Makino, Keiko Wada, Mitsunobu Matsuda, Keiko Akahoshi, Toshihide Shiki (The Tokyo Children rehabilitation's hospital, Tokyo, Japan)

Poster Presentation
Muscular diseases 1

Poster Exhibition Hall

18:00-18:30

Moderator: Akihiko Ishiyama (Department of Child Neurology National Center Hospital, National Center of Neurology and Physicality)

P-094 A case of Duchenne muscular dystrophy developing chronic myelogenous leukemia

Akiko Wakisaka, Ayano Yokoi, Shinya Yamada, Nami Nakamura, Keiko Maruhashi, Takanori Tsuji, Ichirou Ohno, Hidetoshi Seki (National Hospital Organization Iou Hospital, Kanazawa, Japan)

P-095 Multicenter questionnaire survey on school education for patients with Duchenne muscular dystrophy

Suzuki Rie¹, Toshio Saitou², Tatsuya Fujii^{1,3}, Kouichi Maruyama⁴, Ayako Hattori⁵, Akiko Wakisaka⁶, Yasuhiro Takeshima⁷, Souichi Mukaida¹, Seiko Itomi¹, Kazuhiro Shiraishi¹

1. Department of Pediatric Neurology, National Hospital Organization Utano National Hospital, Kyoto, Japan, 2. Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Osaka, Japan, 3. Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan, 4. Department of Pediatric Neurology, Aichi Prefectural Colony Central Hospital, Kasugai, Japan, 5. Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Nagoya, Japan, 6. Department of Pediatrics, National Hospital Organization Iou Hospital, Kanazawa, Japan, 7. Department of Pediatrics, Hyogo College of Medicine, Nishinomiya, Japan

P-096 Evaluation of plasma AcSDKP levels in long-term ACEI administration for the DMD with cardiomyopathy

Yukitoshi Ishikawa, Ryoji Minami, Yuka Ishikawa (National Hospital Organization, Yakumo Hospital, Department of Pediatrics, Pediatric Neurology)

P-097 Bilateral paramedian thalamic infarction complicated with Duchenne muscular dystrophy

Fumihito Nozaki, Tomohiro Kumada, Minoru Shibata, Annri Hayashi, Mioko Mori, Ikuko Hiejima, Kenji Inoue, Saeko Sasaki, Tatsuya Fujii (Department of Pediatrics, Shiga Medical Center for Children)

P-098 Consideration of gastrostomy and management for Duchenne muscular dystrophy

Yasuhiro Kimoto¹, Hirohumi Komaki¹, Madoka Mori², Yasushi Oya², Eri Takeshita¹, Yuko Motohashi¹, Akihiko Ishiyama¹, Takashi Saito¹, Eiji Nakagawa¹, Kenji Sugai¹, Masayuki Sasaki¹, Miho Murata², Kenji Miyama³, Tetsuji Nakai⁴

1. Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2. Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 3. Department of Surgery, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 4. Department of Anesthesiology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

P-099 Severe developmental delay in a boy with 3.36 Mb microdeletion in Xp21.1 involving DMD gene

Naoko Shiba^{1,2}, Makoto Nishioka², Shoko Yamauchi², Yoichiro Kawasaki², Mitsuo Motobayashi², Kyoko Takano^{3,4}, Tomoki Kosho^{3,4}, Keiko Wakui^{3,4}, Yoshimitsu Fukushima^{3,4}, Akinori Nakamura⁵, Yuji Inaba²

1. Azumino Red Cross Hospital, Azumino, Japan, 2. Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Japan, 3. Division of Clinical and Molecular Genetics, Shinshu University Hospital, Matsumoto, Japan, 4. Department of Medical Genetics, Shinshu University School of Medicine, Matsumoto, Japan, 5. Intractable Disease Care Center, Shinshu University Hospital, Matsumoto, Japan

P-100 The rate of school attendance and employment in patients with Duchenne muscle dystrophy in Japan

Noriko Sumitomo, Eri Takeshita, Hirofumi Komaki, Yuko Motohashi, Akihiko Ishiyama, Takashi Saitou, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki, Ikuya Nonaka (Department of Child Neurology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan)

P-101 Initiation of glucocorticoid therapy for non-ambulant patients with Duchenne muscular dystrophy

Yuka Ishikawa, Yukitoshi Ishikawa (Department of Pediatrics, National Organization Yakumo hospital, Yakumo, Japan)

P-102 Usefulness of cardiac magnetic resonance strain imaging in Duchenne muscular dystrophy

Mamiko Tachikawa, Ayako Hattori, Daisuke Ieda, Ikumi Hori, Yutaka Negishi, Naoki Ando, Sachiko Inukai, Shinji Saitoh (Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan)

Poster Presentation
Muscular diseases 2

Poster Exhibition Hall

18:30-19:00

Moderator: Yuka Ishikawa (National Organization Yakumo Hospital)

P-103 Time-dependent change of Muscle MRI STIR in Fukuyama congenital muscular dystrophy

Kumiko Ishiguro, Terumi Murakami, Takatoshi Sato, Minobu Shichiji, Makiko Osawa, Satoru Nagata, Keiko Ishigaki (Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan)

P-104 Psychological support in a ward of muscular dystrophy

Osamu Imura¹, Makiko Ohono², Toshio Saito², Tsuyoshi Matsumura², Honoka Shingaki¹, Mai Miyamoto¹, Haruo Fujino¹

1. Graduate School Human Sciences, Osaka University, Osaka, Japan, 2. Toneyama National Hospital, Osaka, Japan

P-105 Nationwide patient registry of Fukuyama congenital muscular dystrophy in Japan

Keiko Ishigaki¹, Chikoto Ihara², Terumi Murakami¹, Takatoshi Sato¹, Minobu Shichiji¹, Kimuko Ishiguro¹, Hisanobu Kaiya², Makiko Osawa¹, Satoru Nagata¹

1. Department of Pediatrics, Tokyo Women's Medical University, School of Medicine, Tokyo, Japan, 2. The Japan Muscular Dystrophy Association

- P-106 State of Home mechanical ventilation in the institutes specializing in muscular dystrophy treatment
Toshio Saito¹, Katsunori Tatara²
1.Division of Child Neurology, Department of Neurology, National Hospital Organization Toneyama National Hospital, Toyonaka, Osaka, Japan, 2.Tokushima Bunri University
- P-107 Three cases of myasthenia gravis in childhood
Hiroshi Asai¹, Masahiro Ishii¹, Masayuki Shimono¹, Yumeko Matsuda¹, Tomofumi Fukuda¹, Ayako Senju¹, Shiho Takano¹, Naoki Shiota², Koichi Kusuvara¹
1.The Department of Pediatrics, University of Occupational Environmental Health, 2.UBE Industries, LTD. Department of Health Care &Support Center, Environment
- P-108 The clinical study of myasthenia gravis at Nihon University Itabashi Hospital
Wakako Ishii¹, Yukihiko Fujita², Kaori Kimura¹, Sonoko Kubota¹, Emiko Momoki¹, Yuki Kawamura¹, Ayumi Fukuda¹, Ryutarou Kohira¹, Tatsuo Fuchigami¹, Shouri Takahashi¹
1.Department of Pediatrics and Child Health, Nihon University, Tokyo, Japan, 2.Division of Medical Education Planning and Development, Nihon University school of Medicine, Tokyo, Japan
- P-109 Study of outcome measures of clinical trials in muscular dystrophy
Eri Takeshita¹, Yasuyuki Iwata², Hiroyuki Yajima², Hisateru Tachimori³, Komaki Hirofumi^{1,4}, Masayuki Sasaki¹
1.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 2.Department of Physical Rehabilitation Medicine, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.Department of Mental Health and Policy, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.Department of Clinical Research Promotion, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan, 5.Muscular Dystrophy Clinical Trial Network Study group for outcome measures
- P-110 Our approach which aimed at ideal transition for muscular dystrophy patients to adult health care
Minobu Shichiji¹, Keiko Ishigaki¹, Terumi Murakami¹, Madoka Mori², Miho Murata², Takatoshi Sato¹, Kumiko Ishiguro¹, Makiko Osawa¹, Satoru Nagata¹
1.Department of the Pediatrics, Tokyo Women's medical University, Tokyo, Japan, 2.Natipnal center of Nerology and Psychiatry, Tokyo, Japan
- P-111 Respiratory function in patients with Ullrich congenital muscular dystrophy
Hisako Yamamoto, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saito, Eiji Nakagawa, Hirohumi Komaki, Kenji Sugai, Masayuki Sasaki (The Department of Childneurology, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-112 Three cases of myotonic dystrophy type 1
Mariki Maezawa¹, Youichi Doumoto², Kouichi Tamada², Satomi Sonoda², Kou Nishimura³, Michie Honjiyou⁴, Akiko Kamiishi⁵, Satoshi Kimiya⁵
1.TSURUMI University, Department of Dental Hygiene, Yokohama, Kanagawa, Japan, 2.ISE keiyu hospital, Ise city, Mie prefecture, Japan, 3.Suzuka medical science UNIVERSITY, 4.SHIMODA Medical clinic, shizuoka, Japan, 5.SHIMADA RIYOIKU CENTER, TOKYO, JAPAN

Poster Presentation
Muscular diseases 3

Poster Exhibition Hall 19:00-19:30

Moderator: Yoshinobu Otani (Kumamoto Takumadai Rehabilitation Hospital)

- P-113 High-dose IVIG was effective to a patient with myasthenia gravis crisis after thymectomy
Jun Kubota¹, Ryuki Matsuura^{1,2}, Atsuko Oba¹, Shin-Ichiro Hamano²
1.The Jikei University School of Medicine, Tokyo, Japan, 2.Saitama Children's Medical Center
- P-114 The study of anti-measles, rubella and varicella antibody titer in neuromuscular disease patients
Seiko Itomi, Rie Suzuki, Souichi Mukaida, Kazuhiro Shiraishi (The Department of Pediatric Neurology, National Hospital Organization Utano National Hospital, Kyoto, Japan)
- P-115 A case of fibromyalgia with hypercreatininemia
Hiroto Akaike, Mina Kono, Atsushi Kato, Eisuke Kondo (The Department of Pediatrics, Kawasaki Medical School)
- P-116 Continuous NPPV in the management of a severe myotubular myopathy
Kenji Inoue, Tomohiro Kumada, Minoru Shibata, Ikuko Hiejima, Akihito Nozaki, Anri Hatashi, Mioko Mori, Saeko Sasaki, Tatsuya Fujii (Shiga Medical Center for Children, Pediatrics, Shiga, Japan)
- P-117 A DYNC1H1 mutation causes SMA with lower extremity predominance and abnormal cortical development
Shinobu Fukumura¹, Kentaro Kawamura¹, Kouki Nikaido¹, Nobutada Tachi¹, Hiroyuki Tsutsumi¹, Yuri Uchiyama², Naomichi Matsumoto²
1.The Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan, 2.The Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan
- P-118 Scoliosis and pulmonary function in patients with spinal muscular atrophy type 2 and 3
Chihiro Yonee, Akihiko Ishiyama, Hisako Yamamoto, Eri Takeshita, Yuko Motohashi, Takashi Saito, Eiji Nakagawa, Hirofumi Komaki, Kenji Sugai, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)

- P-119 A case of neuroleptic malignant syndrome with repetitive fever of focus unknown
Daisuke Tajima, Tadashi Satoh (The Department of Pediatrics, Ureshino Medical Center, NHO, Saga, Japan)
- P-120 A Japanese case report : MEGF10 myopathy
Souichi Mukaida¹, Rie Suzuki¹, Seiko Itomi¹, Satomi Mitsunashi², Kazuko Takayama², Ichizo Nishino², Kazuhiro Shiraishi¹
1.National Hospital Organization Utano National Hospital, Kyoto, Japan, 2.National Center of Neurology and Psychiatry, Tokyo, Japan
- P-121 Study of diagnosis in patients with high creatine kinase
Emi Iwabuchi, Akihiko Ishiyama, Eri Takeshita, Yuko Motohashi, Takashi Saito, Hirofumi Komaki, Eiji Nakagawa, Kenji Sugai, Masayuki Sasaki (Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan)
- P-122 Withdrawn
- P-123 A case of spinal muscular atrophy type I with epilepsy
Shiho Morita, Takuzo Marukane, Masayuki Ishihara, Taku Oishi, Takatoshi Hosokawa, Mikiya Fujieda (Kochi Medical School Hospital)

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Neuroimaging 1

Moderator: Masato Mori (Matsudo City Hospital Department of Pediatrics)

- P-124 A one-year-old girl with Chiari 1 malformation and central cervical cord injury
Megumi Shiota^{1,2}, Mizue Kanai², Masato Mori², Tomohiko Tsuru²
1.The Department of Pediatrics, National Rehabilitation Center for Children with Disabilities, Tokyo, Japan, 2.The Department of Pediatrics, Matsudo City Hospital, Chiba, Japan
- P-125 Metabolic alteration in the brain of Asperger's syndrome by using a magnetic resonance spectroscopy
Aya Goji¹, Hiromichi Ito¹, Kenji Mori², Masafumi Harada³, Sonoka Hisaoka³, Yoshihiro Toda¹, Tatsuo Mori¹, Yoko Abe¹, Masahito Misazaki¹, Syoji Kagami¹
1.Department of Pediatrics, Tokushima University, Tokushima, Japan, 2.Department of Child Health & Nursing of Health Biosciences, Tokushima University, Tokushima, Japan, 3.Department of Radiology, Tokushima University, Tokushima, Japan
- P-126 Cytokine storm-derived Influenza virus-associated encephalopathy with AESD-like MRI findings
Yuko Ichimiya¹, Masafumi Sanefuji², Yasunari Sakai¹, Satoshi Akamine¹, Michiko Trio¹, Sooyoung Lee³, Yoshito Ishizaki¹, Momoko Sasazuki¹, Hiroyuki Torso⁴, Hidetoshi Takada¹
1.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, 2.Department of Pediatrics, Research Center for Environment and Developmental Medical Sciences, Kyushu University, Fukuoka, Japan, 3.Department of Intensive Care Medicine, Fukuoka, Japan, 4.Department of Pediatrics, Fukuoka Dental University, Fukuoka, Japan
- P-127 A case of FOXP1 abnormal mutation with white matter abnormalities
Hiroko Tada¹, Noriko Miyake², Eri Imagawa², Hirotomo Saito^{2,3}, Naomichi Matsumoto², Jun-Ichi Takanashi³
1.Chibaken Saiseikai Hospital, division of Pediatrics, Chiba, Japan, 2.Yokohama City University Graduate school of Medicine, Department of Human Genetics, Yokohama, Japan, 3.Tokyo Women's Medical University Yachiyo Medical Center, Department of Pediatrics, Yachiyo, Japan
- P-128 Analysis of diffusion tensor imaging of brain atrophy in AESD caused by influenza infection
Hidetoshi Ishigaki, Yoshihumi Miyagi, Miki Asahina, Tomoko Matsubayashi, Tokiko Fukuda (Department of Pediatrics Hamamatsu University School of Medicine, Shizuoka, Japan)
- P-129 Unusual MRI findings in a case of infantile Alexander disease
Yuji Ohuchi¹, Yoshitsugu Oikawa², Yukimune Ohkubo², Yurika Uematsu², Hiroki Sato², Sato Suzuki^{1,2}, Ryo Sato², Atsuo Kikuchi², Naomi Fukuyo², Mitsugu Uematsu², Shigeo Kure²
1.Miyagi Children's Hospital, Sendai, Japan, 2.Tohoku University Hospital, Sendai, Japan
- P-130 A 11-year-old girl with spinal cord infarction caused by handstand
Saori Koga, Sunao Shiohama, Katunori Fuji, Tomoyuki Fukuhari, Hajime Ikehara, Kentaro Okunushi, Naoki Saito, Ryota Ebata, Naoki Shimojyo (Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan)
- P-131 A case study of mild encephalitis with a reversible splenial lesion (MERS) by ECD-SPECT
Nagase Shizuka, Yoshinobu Oyazato, Atsuko Kanagawa, Tomoshi Nakajiri, Sora Okita, Atsushi Nishiyama (Department of Pediatrics, Kakogawa West City Hospital, Hyogo, Japan)
- P-132 Hyperintensity in hippocampus on DWI performed after status epilepticus in initial phase of AESD
Takuya Matsuda, Shuichi Shimakawa, Hiromitsu Toshikawa, Mari Hatanaka, Miho Fukui, Hiroshi Tamai (The Department of Pediatrics, Osaka Medical College, Osaka, Japan)
- P-133 Retrospective study of single photon emission computed tomography in systemic lupus erythematosus
Nishiki Makioka, Kazuhiro Muramatsu, Noriko Sawaura, Tomomi Ogata, Hirokazu Arakawa (Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan)

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Neuroimaging 2

Moderator: Toru Kato (Department of Pediatrics, Okazaki City Hospital)

- P-134 Development of the human inferior olivary nuclear complex: a computerized 3D-reconstruction study
Katsuyuki Yamaguchi (Department of Pathology, Dokkyo University School of Medicine, Tochigi, Japan / Department of Pediatrics, Southern Tohoku General Hospital, Koriyama, Japan)
- P-135 A 16-year-old woman with schizencephaly who discovered by epileptic seizures
Yukiko Iida, Taku Omata, Yoshimi Watanabe, Kazuo Kodama (The Division of Neurology, Chiba Childrens Hospital, Chiba, Japan)
- P-136 A case with holoprosencephaly and periventricular nodular heterotopia with multiple seizure types
Motomasa Suzuki, Syo Narahara, Yusuke Aoki, Kazuya Itomi (Department of Pediatric Neurology, Aichi Children's Health and Medical Center, Obu, Japan)
- P-137 Congenital bilateral perisylvian syndrome with heterotopia
Elina Taniguchi¹, Naoki Karasawa¹, Keigo Nakatani¹, Hiroshi Aikou², Takao Kodama³
1. Pediatrics, Miyazaki Prefectural Miyazaki Hospital, Miyazaki, Japan, 2. Pediatrics, Miyazaki Seikyo Hospital, Miyazaki, Japan, 3. Radiology, Miyazaki Prefectural Miyazaki Hospital, Miyazaki, Japan
- P-138 Leukoencephalopathy with calcifications and cysts in a 9-year-old male child: a case report
Hiroya Nishida¹, Satoko Kumada¹, Shunpei Uchino¹, Tomoko Mizuno¹, Ikuko Shirai¹, Eiji Kurihara¹, Jun-Ichi Takanashi², Naomichi Matsumoto³
1. Department of Pediatric Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2. Department of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Yachiyo, Japan, 3. Department of Human Genetics, Graduate School of Medicine, Yokohama City University, Yokohama, Japan
- P-139 Study of head injury by falling; children less than 2 years of age in our hospital
Takako Fujita¹, Hiroshi Ideguchi¹, Eri Kawatani¹, Yuko Tomonoh¹, Yukiko Ihara¹, Takahito Inoue¹, Shinichi Hirose¹, Sawa Yasumoto²
1. Department of Pediatrics, Fukuoka University School of Medicine, Fukuoka, Japan, 2. Center of medical education, School of medicine, Fukuoka University
- P-140 Brain MRI presenting bilateral thalamic lesion of Japanese encephalitis in a 10-month-old infant
Tatsuya Nishimura¹, Yukie Arahata¹, Katsuhiko Kitazawa¹, Akihito Honda¹, Katsunori Fujii²
1. Asahi General Hospital, Asahi, Japan, 2. University of Chiba, Chiba, Japan
- P-141 Pyruvate dehydrogenase complex deficiency with a subependymal cyst and intraventricular septation
Yusuke Aoki¹, Kazuya Itomi¹, Syo Narahara¹, Motomasa Suzuki¹, Kiyokuni Miura²
1. Department of Neurology, Aichi Children's Health and Medical Center, Obu, Aichi, Japan, 2. Department of Child Neurology, Toyota Municipal Child Development Center, Toyota, Japan
- P-142 Morphometric analysis of the brainstem area on MRI in Rett syndrome
Yuki Anzai¹, Masaharu Hayashi¹, Yuri Nagao¹, Kazue Kimura¹, Kyoko Hoshino¹, Hiroshi Oba²
1. Neurological Clinic for Children, Tokyo, Japan, 2. Department of Radiology Teikyo University School of Medicine, Tokyo, Japan
- P-143 3 cases mimicking Walker-Warburg syndrome of their MRI findings
Tsukasa Ohashi¹, Jun Tohyama², Satoru Kinoshita³
1. Department of Pediatrics, Niigata University Medical and Dental Hospital, Niigata, Japan, 2. Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 3. Department of Pediatrics, Niigata National Hospital, Kashiwazaki, Japan
- P-144 3 children with cerebral infarction developed by different mechanism
Taiki Shima¹, Shinpei Abe¹, Naho Matsushima¹, Ayuko Igarashi¹, Mitsuru Ikeno¹, Shinichi Nijima², Toshiaki Shimizu¹
1. Juntendo University Hospital, 2. Juntendo Shizuoka Hospital

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Neurodegeneration disease

Moderator: Mitsuo Toyoshima (Santa Children's Clinic)

- P-145 A pediatric case of XP-D which are showing hyperactivity, intellectual disability and cataract
Tomoko Matsubayashi¹, Yusuke Ito¹, Taijyu Hayashi¹, Yoshifumi Miyagi¹, Miki Asahina¹, Akiko Hikoya², Masahiro Aoshima³, Shinichi Moriwaki⁴, Tokiko Fukuda¹
1. The department of Pediatrics, Hamamatsu University School of Medicine, Hamamatsu, Japan, 2. The department of Ophthalmology, Hamamatsu University School of Medicine, Hamamatsu, Japan, 3. The department of Dermatology, Hamamatsu University School of Medicine, Hamamatsu, Japan, 4. The department of Dermatology, Osaka Medical College, Osaka, Japan

P-146 A girl of mitochondrial disease with unusual mitochondrial DNA mutation G324A

Masahiro Ito¹, Hisamitsu Tamaki¹, Yuji Tateoka², Kazumi Nishino³, Yu-Ichi Goto³, Yuki Kasuga¹, Tadayasu Kawaguchi¹

1.Department of Pediatrics, Tokyo Metropolitan Bokuto Hospital, Tokyo, Japan, 2.Department of Pediatrics, Tokyo Metropolitan East Rehabilitation Center, 3.National Institute of Neuroscience, National Center of Neurology and Psychiatry

P-147 A girl case of mimicking MLC image presenting with intracranial hypertension

Madoka Kajimoto¹, Hirofumi Inoue¹, Hikaru Kobayashi¹, Fumitaka Kohno¹, Hiroko Yamada¹, Momoko Oka¹, Takeshi Matsushige¹, Sadahiro Nomura², Junichi Takanashi³, Hiroaki Nozaki⁴, Hiroto Saito⁵, Naomichi Matsumoto⁵, Shouichi Ohga¹

1.Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Ube, Japan, 2.Department of Neurosurgery, Yamaguchi University Graduate School of Medicine, Ube, Japan, 3.Division of Neurology and Developmental Pediatrics, Tokyo Women's Medical University Yachiyo Medical center, 4.Department of Molecular Neuroscience, Resource Branch for Brain Disease, Brain Research Institute, Niigata, 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-148 A case of spinal muscular atrophy with respiratory distress type 1 with the IGHMBP2 gene mutations

Hitoshi Sato^{1,3}, Yoshitomo Yasui², Yo Niida³, Sanada Mitsuru⁴, Chisato Akita¹, Azusa Kobayashi¹, Kanju Ikeno¹, Miyuki Kohno², Yutaka Saigawa¹

1.Department of Pediatrics, School of Medicine, Kanazawa Medical University, Ishikawa, Japan, 2.Department of pediatric surgery, School of Medicine, Kanazawa Medical University, Ishikawa, Japan, 3.Center for Medical Genetics, School of Medicine, Kanazawa Medical University, Ishikawa, Japan, 4.Department of Neurology, School of Medicine, Kanazawa Medical University

P-149 Leukoencephalopathy with cortical involvement and peripheral neuropathy due to FOLR1 deficiency

Yu Kobayashi¹, Takao Komatsubara¹, Shinichi Magara¹, Kenichi Okazaki¹, Jun Tohyama¹, Tomoyuki Akiyama², Hiroto Saito³, Naomichi Matsumoto³

1.Department of Child Neurology, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 2.Department of Child Neurology, Okayama University Hospital, Okayama, Japan, 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-150 Dermatomyositis and interstitial pneumonitis in a patient with xeroderma pigmentosum

Toshino Motojima^{1,2}, Nishiki Makioka¹, Noriko Sawaura¹, Kazuhiro Muramatsu¹, Masaharu Hayashi³, Hirokazu Arakawa¹

1.Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan, 2.The Department of Pediatrics, Motojima General Hospital, Gunma, Japan, 3.The Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-151 A case of adolescence-onset, rapidly progressive amyotrophic lateral sclerosis

Konomi Shimoda¹, Mariko Kasai¹, Sataka Ohta¹, Yoko Mizuno¹, Atsushi Sato¹, Akira Oka¹, Masashi Mizuguchi²

1.The Department of Pediatrics, University of Tokyo, Tokyo, Japan, 2.Department of Developmental Medical Sciences, School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-152 Alternating hemiplegia of childhood with the G755S mutation of the ATP1A3 gene, a case report

Tomoshiro Ito¹, Masashi Narugami¹, Kiyoshi Egawa¹, Hiroyuki Yamamoto¹, Shinobu Kohsaka¹, Atsushi Ishii², Shinichi Hirose², Hideaki Shiraishi¹

1.Department of Pediatrics, Hokkaido University Hospital, Sapporo, Japan, 2.Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan

P-153 A case of dentatorubral-pallidoluysian atrophy with electrical status epileptics in sleep

Kaoru Moriyama¹, Tatsuharu Sato¹, Daishi Inoue¹, Kouhei Haraguchi¹, Kiyoko Watanabe^{1,2}, Yoshiaki Watanabe^{1,3}, Hiroyuki Moriuchi¹

1.The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan, 2.SAISEIKAI NAGASAKI HOSPITAL, 3.Nagasaki Harbor Medical Center City Hospital

P-154 A case of immune-mediated neuropathies after measles-like viral infection and HLH

Kenji Uematsu, Kiyotaka Zaha, Yasuko Nakamura, Hiroshi Matsumoto (Department of Pediatrics, National Defense Medical College, Saitama, Japan)

P-155 Sequential MRI changes in two cases with CACNA1A gene mutation

Yu Tsuyusaki¹, Azusa Ikeda¹, Yumiko Takashima¹, Keiko Watanabe¹, Kazushi Ichikawa¹, Megumi Tsuji¹, Mizue Iai¹, Sumimasa Yamashita¹, Noriko Aida², Hiroto Saito³, Naomichi Matsumoto³, Tomohide Goto¹

1.Division of Neurology, Kanagawa Childrens Medical Center, Yokohama, Japan, 2.Division of Radiology, Kanagawa Childrens Medical Center, Yokohama, Japan, 3.School of Medicine, Yokohama City University, Yokohama, Japan

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Metabolic disease 1

Moderator: Masakazu Mimaki (Department of Pediatrics, Teikyo University School of Medicine)

- P-156 A patient with Charcot–Marie–Tooth disease who had a mutation in the Krabbe–disease–causing gene
Tatsuya Fujii¹, Fumihito Nozaki¹, Tomohiro Kumada¹, Yujiro Higuchi², Akihiro Hashiguchi², Hiroshi Takashima², Kaori Irahara³, Norio Sakai⁴
1.Department of Pediatrics, Shiga Medical Center for Children, Morioka, Japan, 2.Department of Neurology and Geriatrics, Kagoshima University, Kagoshima, Japan, 3.Department of Pediatrics, Osaka University, Osaka, Japan, 4.Division of Health Sciences, Osaka University, Osaka, Japan
- P-157 Treatment of self-injurious behaviors in Lesch–Nyhan syndrome with S-adenosylmethionine
Masami Togawa¹, Yoshiaki Saito², Yoshihiro Maegaki², Kousaku Ohno³
1.Department of Pediatrics, Tottori Prefectural Central Hospital, Tottori, Japan, 2.Division of Child Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Yonago, Japan, 3.Department of Pediatrics, Sanin Rosai Hospital, Yonago, Japan
- P-158 PDHC deficiency in a girl misdiagnosed with neonatal hypoxic ischemic encephalopathy
Kouta Sasaki¹, Akira Kumakura¹, Yuichi Goto², Rie Nakai², Daisuke Hata¹
1.Kitano Hospital, The Tazuke Kofukai Medical Research Institute, 2.Department of Pediatrics, University of Osaka, Osaka, Japan
- P-159 The phenotype in Krabbe disease correlates with total galactocerebrosidase activity of both alleles
Kaori Irahara¹, Takanobu Otomo¹, Hidehito Kondo¹, Yusuke Hamada¹, Keiichi Ozono¹, Norio Sakai²
1.The Pediatric Department, Osaka University Graduate School of Medicine, Osaka, Japan, 2.The Division of Health Sciences, Osaka University Graduate School of Medicine, Osaka, Japan
- P-160 How could we diagnose a girl with Leigh encephalopathy with succinate–CoA ligase deficiency ?
Mioko Mori¹, Tomohiro Kumada¹, Yu Hiramatsu², Yuji Okamoto², Hiroshi Takashima², Kei Murayama³, Minoru Shibata¹, Fumihito Nozaki¹, Ikuko Hiejima¹, Anri Hayashi¹, Kenji Inoue¹, Saeko Sasaki¹, Tatsuya Fujii¹
1.Department of Pediatrics, Shiga Medical Center for Children, Shiga, Japan, 2.Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Science, Kagoshima, Japan, 3.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan
- P-161 Arginine therapy for a child case of MELAS/Leigh overlap syndrome with the mtDNA G13513A mutation
Yoichiro Kawasaki¹, Makoto Nishioka¹, Syoko Yamauchi², Mitsuo Motobayashi¹, Naoko Shiba³, Takahumi Nishimura², Yuji Inaba¹
1.Department of Pediatrics, Shinshu University School of Medicine, Matsumoto, Nagano, Japan, 2.Department of Pediatrics, Matsumoto Medical Center Chushinmatsumoto Hospital, Matsumoto, Nagano, Japan, 3.Department of Pediatrics, Japanese Red Cross Society Azumino Hospital, Azumino, Nagano, Japan
- P-162 A methylenetetrahydrofolate reductase deficiency patient with rapid psychomotor regression
Yasuo Hachiya^{1,2}, Hitoshi Osaka³, Hirotomo Saito⁴, Hiroya Nishida², Syunpei Uchino², Tomoko Mizuno², Eiji Kurihara², Satoko Kumada², Naomichi Matsumoto⁴
1.Department of Pediatrics, Higashinagano National Hospital, Nagano, Japan, 2.Department of Neuropediatrics, Tokyo Metropolitan Neurological hospital, Fuchu, Tokyo, Japan, 3.Department of Pediatrics, Jichi Medical University, Shimotsuke, Tochigi, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan
- P-163 Clinical course of a patient with late infantile NCL caused by mutation in *CLN10*
Takanori Ezoe¹, Harumi Saijou¹, Sui Sone¹, Katsuhito Araki¹, Hisaharu Suzuki¹, Kiyoko Kurata¹, Hirotomo Saito²
1.Department of Pediatrics, Tokyo Metropolitan Higashiyamato Medical Center for Developmental disabilities, Hagasiyamato, Tokyo, Japan, 2.Department of Human Genetics, Graduate School of Medicine, Yokohama, Japan
- P-164 Clinical course observation of a patient with neuronal ceroid lipofuscinosis 10
Takanori Ezoe¹, Harumi Saijou¹, Sui Sone¹, Katsuhito Araki¹, Hisaharu Suzuki¹, Kiyoko Kurata¹, Hirotomo Saito²
1.Department of Pediatrics, Tokyo Metropolitan Higashiyamato Medical Center for Developmental disabilities, Hagasiyamato, Tokyo, Japan, 2.Department of Human Genetics, Graduate School of Medicine, Yokohama, Japan
- P-165 Therapeutic strategies for the treatment of epileptic spasms due to nonketotic hyperglycinemia
Akiko Kato¹, Mondo Kuroda¹, Hiroyasu Nakagawa¹, Ayano Yokoi¹, Yusuke Mitani¹, Yo Niida²
1.Department of Pediatrics, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University, Ishikawa, Japan, 2.Center for Medical Genetics, Kanazawa Medical University Hospital, Uchinada, Japan

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Metabolic disease 2

Moderator: Eiji Nakagawa (Department of Child Neurology, National Center Hospital, NCNP)

P-166 Effect of liver transplantation for infantile Refsum disease

Tadayuki Kumagai¹, Yu Kakimoto¹, Akiko Yakuwa¹, Go Takei¹, Satoshi Takenaka¹, Hiroshi Terashima¹, Masaya Kubota¹, Masatoshi Matsunami², Mureo Kasahara², Nobuyuki Shimozaawa³

1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan, 2.Organ Transplantation Center, National Center for Child Health and Development, Tokyo, Japan., 3.Division of Genomics Research, Life Science Research Center, Gifu University, Gifu, Japan

P-167 A case of Lesch–Nyhan syndrome diagnosed as a cerebral palsy associated with perinatal problems

Miyuki Toyono¹, Yukio Sawaishi¹, Kayoko Saitou², Atsuo Taniguchi³

1.Akita Prefectural Rehabilitation Center on Development and Disability, Akita, Japan, 2.Institute of Medical Genetics, Tokyo Women's Medical University, Tokyo, Japan, 3.Institute of Rheumatology, Tokyo Women's Medical University, Tokyo, Japan

P-168 Early management for two infantile siblings born to GLUT–1 deficiency mother with SLC2A1 mutation

Hidetsugu Nakatsukasa¹, Yasushi Ito^{1,2}, Akiko Takeshita¹, Kyoko Hirasawa¹, Satoru Takahashi³, Hirokazu Oguni¹, Satoru Nagata¹

1.Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan, 2.Department of Pediatrics, Aiiiku hospital, Tokyo, Japan, 3.Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan

P-169 Asparagine synthetase deficiency: functional analysis of ASNS gene

Takahiro Yamamoto^{1,2,3}, Hidenori Ohnishi², Kazuo Kubota^{2,3}, Saori Nishimura^{2,3}, Yukiko Kasahara^{2,3}, Kenji Orii^{2,3}, Atsushi Imamura⁴, Hirotomo Saito⁵, Naomichi Matsumoto⁵, Toshiyuki Fukao^{2,3}

1.Department of Disability Medicine, Graduate School of Medicine, Gifu University, Gifu, Japan, 2.Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan, 3.Neonatal Intensive Care Unit, Gifu University Hospital, Gifu, Japan, 4.Department of Pediatrics, Gifu Prefectural General Medical Center, Gifu, Japan, 5.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Yokohama, Japan

P-170 Non–convulsive status epilepticus in a girl with ornithine transcarbamylase deficiency

Sadami Kimura¹, Ryouko Hayashi¹, Tae Ikeda¹, Yukiko Mogami¹, Keiko Yanagihara¹, Yasuhiro Suzuki¹, Kouji Azumakawa², Nobuhiko Okamoto³

1.Osaka Medical Center And Reserch Institute For Maternal And Child Health, Osaka, Japan, 2.Keiseikai Hospital, 3.Osaka Medical Center And Reserch Institute For Maternal And Child Health, Osaka, Japan

P-171 Diagnosis and prognosis of the neurometabolic diseases among our department

Kaoru Eto, Yasushi Ito, Keiko Ishigaki, Makoto Funatsuka, Hirokazu Oguni, Makiko Osawa, Satoru Nagata (Tokyo Women's Medical University, Tokyo, Japan)

P-172 A Case of Glucose Transporter Type 1 Deficiency Syndrome

Akira Iwanaga, Daisuke Tajima, Tadashi Satou (NHO Ureshino Medical Center, Saga, Japan)

P-173 One case of Menkes disease to easily cardiac arrest after crying

Masao Suda¹, Go Shimomura¹, Tomoko Saikusa², Kotaro Yuge¹, Shinichiro Nagamitsu¹, Yushiro Yamashita¹

1.Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan, 2.Department of Pediatrics, St. Mary's Hospital, Kurume, Japan

P-174 Tyrosine hydroxylase deficiency caused by heterozygous mutations : a case of dopa–responsive dystonia

Kozue Kuwabara¹, Toshihiro Jogamoto¹, Mitsumasa Fukuda², Mashiko Miyamoto¹, Yasushi Ishida¹, Eiichi Ishii², Haruo Shintaku³

1.Department of Pediatrics, Ehime Prefectural Central Hospital, Matsuyama city, Ehime, Japan, 2.Department of Pediatrics, Ehime University Graduate School of Medicine, Toon city, Ehime, Japan, 3.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

P-175 G13513A mutation associated late–onset Leigh syndrome characterized by early renal involvement

Mayu Tahara¹, Norimichi Higurashi¹, Masaki Iijima¹, Daishi Hirano¹, Kenjiro Kikuchi¹, Yuichi Goto², Akihiko Ishiyama³, Shin-Ichiro Hamano⁴

1.The Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan, 2.The Department of Mental Retardation and Birth Defect Research, National Center of Neurology and Psychiatry, Tokyo, Japan, 3.The Department of Child Neurology, National Center of Neurology and Psychiatry, Tokyo, Japan, 4.The Department of Neurology, Saitama Children's Medical Center, Saitama, Japan

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Tumor and vascular disorder

Moderator: Takayuki Inagaki (Ibaraki Children's Hospital)

P-176 Reversible cerebral vasoconstriction syndrome in a case with cerebellitis

Yoshitsugu Oikawa¹, Mitsugu Uematsu¹, Yukimune Okubo¹, Yurika Uematsu¹, Taro Kitamura², Yu Aihara², Masaru Takayanagi², Yukitoshi Takahashi³, Shigeo Kure¹

1.Department of pediatrics, Tohoku University, Sendai, Japan, 2.Department of pediatrics, Sendai City Hospital, Sendai, Japan, 3.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan

P-177 A case of Lhermitte–Duclos disease with paroxysmal, recurrent episodes of vomiting after birth

Chika Somagawa¹, Ryoko Honda¹, Tomonori Ono², Keisuke Toda², Noriko Koide¹, Tadateru Yasu¹, Shigeki Tanaka¹, Hiroshi Baba²

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

P-178 A case of brain arteriovenous malformation with tuberous sclerosis complex

Reimi Tsurusawa, Hitomi Hayashi, Sawa Kurata, Aiko Nakao, Atsushi Ogawa (The Department of Pediatrics, Chikushi Hospital, Fukuoka University, Fukuoka, Japan)

P-179 A boy developed perimesencephalic nonaneurysmal subarachnoid hemorrhage in playing catch

Aya Sato (The Department of Pediatrics, Hikone Municipal Hospital, Shiga, Japan)

P-180 Post traumatic cervical artery dissection with cervical infarction in a 2-year-old child

Takeshi Oki, Masano Amamoto, Yoshinori Okahata, Yusuke Ono, Kayo Ono, Tatsuhiro Yasaka, Ichiro Tomita, Yoshie Tomita, Chie Murakami, Takuya Matsushima, Hiromasa Yamane, Norio Imamura, Shinsaku Ishibashi, Junji Kamizono, Kotaro Ichikawa (Kitakyushu Municipal Yahata Hospital Pediatrics Emergency Center, Fukuoka, Japan)

P-181 Tuberous sclerosis complex patients treated with Everolimus

Machiko Hosoya (Saku Central Hospital, Nagano, Japan)

P-182 A six year old girl who developed the spinal cord infarction after stretching her back

Satoshi Takenaka, Yu Kakimoto, Akiko Yakuwa, Gou Takei, Tadayuki Kumagai, Hiroshi Terashima, Masaya Kubota (Department of Neurology, National Center for Child Health and Development, Tokyo, Japan)

P-183 Cerebral infarction in a three-month-old boy suspected with neurofibromatosis type 1

Hiroaki Kondo¹, Atsuya Sugimoto¹, Shigemi Morioka¹, Satoko Hirano¹, Yasunori Ishihara¹, Shinichi Haruki¹, Yoshinori Ishihara¹, Masao Kawatani², Genrei Ohta²

1.Department of Pediatrics, Fukui Aiku Hospital, Fukui, Japan, 2.Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

P-184 Pediatric brainstem infarction in a patient with protein S deficiency

Hikaru Kobayashi, Hirofumi Inoue, Momoko Oka, Madoka Kajimoto, Takeshi Matsushige, Shouichi Ohga (Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan)

P-185 Moyamoya disease with internal carotid artery aneurysms in early infancy

Ryosuke Tanaka¹, Satomi Okano¹, Akie Okayama¹, Nao Suzuki¹, Satoru Takahashi¹, Hiroshi Azuma¹, Shigeo Kure²

1.Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan, 2.Department of Pediatrics, Tohoku University Graduate School of Medicine, Sendai, Japan

P-186 4 years-old-boy diagnosed of Moyamoya disease with breath-holding spells

Kozue Harada¹, Noboru Yoshida², Tomoyuki Nakazawa⁴, Shinichi Nijijima², Jyoji Tokugawa³, Makoto Hishii⁴, Shigeo Kure⁵

1.Musashimurayama Hospital, 2.Department of Pediatrics, Juntendo Nerima Hospital, 3. Department of Neurosurgery, Juntendo Nerima Hospital, 4.Toshima Hospital, 5.Tohoku University

Poster Presentation

Poster Exhibition Hall

18:00-18:30

Peripheral nerve

Moderator: Katsunori Fujii (Department of Pediatrics, Chiba University Graduate School of Medicine,)

P-187 A case of Acute motor sensory axonal neuropathy developed in single arm

Sadao Nakamura, Azusa Ooshiro, Kunihiro Tamashiro (Department of Pediatrics, Faculty of Medicine, University of the Ryukyus, Okinawa, Japan)

P-188 A case of axonal Guillain–Barré syndrome: efficacy of early intravenous immunoglobulin

Hikari Kaba¹, Yu Fujiwara¹, Yoshihiro Watanabe¹, Saoko Takeshita¹, Ayako Yamamoto², Nobutaka Oyama²

1.Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan, 2.Department of Pediatrics, Yokoamashi-Tobu Saiseiai Hospital, Yokohama, Japan

P-189 Congenital pes cavus in six cases with progressive sensorimotor neuropathy

Mai Anzai¹, Ryo Sato², Yusuke Takezawa¹, Wakaba Endo¹, Takehiko Inui¹, Yoshiko Tanaka³, Kazuhiro Haginoya¹

1.Department of Pediatrics, Takuto Rehabilitation Center for Children, Sendai, Japan, 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 3.Department of Pediatrics, Sendai Red Cross Hospital, Sendai, Japan

P-190 Ascorbic acid for Charcot–Marie–Tooth disease type 1A in children

Hiromi Mizuochi^{1,2}, Katsunori Fujii², Tomoyuki Fukuhara², Hajime Ikehara², Tadashi Shiohama², Hideki Uchikawa^{1,2}, Naoki Shiojo²

1. Pediatrics, Eastern Chiba Medical Center, Chiba, Japan, 2. The Department of Pediatrics, Graduate school of Medicine, Chiba University, Chiba, Japan

P-191 A new culture model of myelination: morphological findings and attempts to reproduce CMT pathology

Yurika Uematsu^{1,2}, Syuji Wakatsuki², Kazuhisa Sakai³, Noritaka Ichinohe³, Mitsugu Uematsu¹, Shigeo Kure¹, Toshiyuki Araki²

1. Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 2. Department of Peripheral Nervous System Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, 3. Department of Ultrastructural Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan

P-192 Two case reports of childhood–onset multifocal acquired demyelinating sensory and motor neuropathy

Shumpei Uchino¹, Tatsuya Fukasawa², Satoko Kumada¹, Hiroya Nishida¹, Tomoko Mizuno¹, Ikuko Shirai¹, Yasuo Hachiya¹, Eiji Kurihara¹

1. Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, 2. Anjo Kosei Hospital, Anjo, Japan

P-193 Siblings with congenital myasthenic syndrome misdiagnosed as congenital myopathy

Fumio Ichinose¹, Muneaki Matsuo², Masafumi Kosugi³, Osamu Higuchi⁴, Tatsuya Okuno⁵, Kinji Ohno⁵

1. Department of Pediatrics, Saga Medical Center Koseikan, Saga, Japan, 2. Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan, 3. Division of Neurology, Department of Internal medicine, Faculty of Medicine, Saga University, Saga, Japan, 4. Clinical Research Center, NHO Nagasaki Kawatana Medical Center, 5. Division of Neurogenetics, Nagoya University Graduate School of Medicine

P-194 The efficacy of tacrolimus for chronic inflammatory demyelinating polyneuropathy

Saoko Takeshita, Hikari Kaba, Yuh Fujiwara, Yoshihiro Watanabe (Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan)

P-195 Successful management of filminant Guillain–Barré syndrome and its complications

Manami Akasaka, Atsushi Kamei, Nami Araya, Sachiko Tanifuji, Maya Asami, Shoichi Chida (Iwate Medical University, Morioka, Iwate, Japan)

P-196 Does long–term vitamin B6 treatment in epilepsy patients have harmful effects on peripheral nerves?

Takushi Inoue, Takashi Shibata, Fumika Endoh, Makio Oka, Tomoyuki Akiyama, Katsuhiko Kobayashi, Harumi Yoshinaga (Department of Child Neurology, Okayama University Hospital, Okayama, Japan)

P-197 A case of SMRD1 without IGHP2 mutation

Kentaro Shirai¹, Haruna Yokoyama⁴, Hiroshi Shiraku⁴, Atuko Yamamoto¹, Akiko Haibara¹, Haruka Ooguro², Tomohiro Nakayama², Akimitsu Watanabe¹, Makiko Saitoh³, Masashi Mizuguchi³

1. Tsuchiura Kyodo Hospital, Department of pediatrics, Tsuchiura, Ibaragi, Japan, 2. Ibaragi Prefectural University of health sciences, Ami, Ibaragi, Japan, 3. Tokyo University, Department of developmental medical sciences, Tokyo, Japan, 4. Toride Kyodo Hospital, Department of pediatrics, Toride, Ibaragi, Japan

Poster Presentation

Poster Exhibition Hall

18:30-19:00

Involuntary movement

Moderator: Kyoko Hoshino (Neurological Clinic for Children)

P-198 Clinical evaluation of patients with delayed motor development with ataxia and/or hypotonia

Kenichi Okazaki¹, Noriyuki Akasaka², Takao Komatsubara¹, Shinichi Magara¹, Yu Kobayashi¹, Megumu Tojo², Jun Tohyama¹

1. Department of Pediatrics, Nishi-Niigata Chuo National Hospital, Niigata, Japan, 2. Department of Pediatrics, Niigata Prefecture Hamagumi Rehabilitation Center for Children with Disabilities, Niigata, Japan

P-199 A case of DRPLA with involuntary movement

Michiko Torio¹, Yasunari Sakai¹, Masafumi Sanefuji², Yoshito Ishizaki¹, Hiroyuki Torisu^{1,3}, Hidetoshi Takada¹

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

P-200 Idiopathic basal ganglia calcification with paroxysmal kinesigenic dyskinesia in a 11–year–old girl

Ritsuko Oobayashi, Hiroki Iwasaki, Yukiko Oosawa, Kimiko Tamagawa, Toshimasa Obonai (Department of Pediatrics, Tama-Hokubu Medical Center, Tokyo, Japan)

P-201 The 8 year boy diagnosed as brain tumor, who presented with characteristic involuntary movement

Tomoya Ishida¹, Hiroyuki Shirai^{1,2}, Taira Toki², Toshiyuki Iwasaki², Masahiro Ishii²

1. Department of pediatrics, Sagamidai Hospital, Kanagawa, Jpan, 2. Department of pediatrics, Kitasato University School of medicine

P-202 A girl with excessive startle responses and hypertonia beginning from birth

Mika Nakazawa^{1,2}, Mitsuru Ikeno², Shinpei Abe², Ayuko Igarashi², Tomoyuki Nakazawa^{2,3}, Toshiaki Shimizu⁴, Akihisa Okumura⁵, Shinichi Nijima⁶, Toshiaki Shimizu²

1.Department of Pediatrics, Sanikukai Hospital, Tokyo, Japan, 2.Department of Pediatrics, Juntendo University Faculty of Medicine, Tokyo, Japan, 3.The Department of Pediatrics, Toshima Hospital, Tokyo, Japan, 4.Department of Pediatrics, Tottori University Faculty of Medicine, Tottori, Japan, 5.Department of Pediatrics, Aichi Medical University Faculty of Medicine, Aichi, Japan, 6.Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan

P203- A case of paroxysmal kinesigenic dyskinesia with Moyamoya disease

Takao Morimune, Shinobu Yoshida, Tamayo Ishikawa, Kashiro Nishizawa (Department of Pediatrics, Omihachiman Community Medical Center, Shiga, Japan)

P-204 Clinical features of child-onset restless legs syndrome (RLS)

Yuri Nagao¹, Kazue Kimura¹, Kei Hachimori¹, Masaharu Hayashi², Kyoko Hoshino¹

1.Neurological Clinic for Children, Tokyo, Japan, 2.Dept. of Brain Dev. & Neuro Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

P-205 A case of paroxysmal nonkinesigenic dyskinesia with iron supplement

Yuko Tsuda, Akira Tamura, Koichi Minami (Department of Pediatrics, Wakayama Medical University, Wakayama, Japan)

P-206 A case of Lesch-Nyhan syndrome

Ken Momosaki, Tomoko Kashiki, Shiro Ozasa, Keiko Nomura (Department of Pediatrics, University of Kumamoto, Kumamoto, Japan)

Poster Presentation

Poster Exhibition Hall

19:00-19:30

Autonomic nervous system and headache

Moderator: Akira Nishimura (Department of Pediatrics, Kyoto Prefectural University of Medicine)

P-207 A case of idiopathic intracranial hypertension with remarkable response to topiramate

Marie Noda, Yuri Sonoda, Megumi Takemoto (Department of Pediatrics, Hamanomachi Hospital, Fukuoka, Japan)

P-208 Ten-minute-triage for acute headache with Chinese herb medicine (Goreisan and Goshuyuto)

Tadashi Matsuda (Misato Family Clinic, Saitama, JAPAN)

P-209 Retinal migraine: a case report

Toshiyuki Hikita (Hikita Pediatric Clinic)

P-210 Arterial spin labeling MRI in acute confusional migraine

Yoshiaki Watanabe^{1,2}, Kouhei Haraguchi², Tatuharu Sato², Kiyoko Watanabe³, Nanako Nishiguchi⁴, Hiroyuki Moriuchi², Reiko Ideguchi⁵

1.Department of Pediatrics, Nagasaki Harbor Medical center City Hospital, Nagasaki, Japan, 2.Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan, 3.Department of Pediatrics, Saiseikai Nagasaki Hospital, Nagasaki, Japan, 4.Department of Pediatrics, Sasebo City General Hospital, Nagasaki, Japan, 5.Department of Radiological science, Nagasaki University Hospital, Nagasaki, Japan

P-211 Efficacy of Hangebyakujutsutemmato for chronic headache in children, Second report

Eiji Kurihara, Shunpei Uchino, Ikuko Shirai, Yasuo Hachiya (Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan)

P-212 A case of sporadic hemiplegic migraine with ATP1A2 mutation

Tsuyoshi Omi^{1,2}, Yoshimichi Hirayama¹, Sawako Yamazaki³, Atsushi Ishii⁴, Shinichi Hirose⁴

1.Department of Pediatrics, Naha City Hospital, Naha, Okinawa, Japan, 2.Department of Pediatrics, Chibana Clinic, Okinawa, Okinawa, Japan, 3.Department of Pediatrics, Nagaoka Ryoikuen, Nagaoka, Niigata, Japan, 4.Department of Pediatrics, School of Medicine Fukuoka University, Fukuoka, Japan

P-213 Two cases of autoimmune autonomic ganglionopathy

Toshiyuki Maeda¹, Hiromichi Tomino¹, Keiko Hirabaru¹, Daisuke Tajima¹, Muneaki Matsuo¹, Masafumi Kosugi², Syunya Nakane³, Osamu Higuchi⁴

1.Department of Pediatrics, Faculty of Medicine, Saga University, Saga, Japan, 2.Faculty of Medicine Saga University, Division of Neurology, Department of Internal medicine, 3.Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, 4.National hospital organization, Nagasaki Kawatana medical center

P-214 Clinical features of pediatrics patients in headache clinic of Tokyo Medical University

Mika Takeshita, Gaku Yamanaka, Shingo Oana, Yu Ishida, Shinichiro Morichi, Natsumi Morishita, Tomomi Urabe, Tasuku Miyajima, Hisashi Kawashima (Tokyo Medical University, Tokyo, Japan)

P-215 Two cases of sphenoid sinusitis complained of severe headache

Tomoyuki Nakazawa¹, Akihiro Nakao¹, Takayuki Kuriya¹, Mitsuru Ikeno², Shinpei Abe², Noboru Yoshida³, Shintaro Yamashita³, Shinichi Nijima³, Toshiaki Shimizu²

1.Department of Pediatrics, Tokyo Metropolitan Health and Medical Treatment Corporation Toshima Hospital, Tokyo, Japan, 2.Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan, 3.Department of Pediatrics, Juntendo University Nerima Hospital, Tokyo, Japan

June 4th

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Epilepsy and convulsive diseases 4

Moderator: Jun Tooyama (Nishi-Niigata chuo National Hospital)

- P-216 A case of CDKL5 disorder : improved ADL by simple treatment strategy for intractable seizures
Tatsuhiko Shike^{1,2}, Yukitoshi Takahashi³, Nobusuke Kimura⁴, Katsumi Imai³, Yukio Yamashita^{1,2}, Toshiyuki Yamamoto⁵, Takao Takahashi²
1.Department of Pediatrics, Yokohama Municipal Citizens Hospital, Yokohama, Japan, 2.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan, 3.National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 4.Department of Pediatrics, Otsu Red Cross Hospital, Otsu, Japan, 5.Tokyo Women's Medical University Integrated Medical Sciences Institute, Tokyo, Japan
- P-217 A girl of early onset epileptic encephalopathy with de novo mutations in *SLC35A2*
Tomokazu Kimizu¹, Asako Horino¹, Shinsaku Yoshitomi¹, Tatsuo Mori^{1,2}, Tokito Yamaguti¹, Hiroko Ikeda¹, Hideo Shigematsu¹, Katsumi Imai¹, Nobuhiko Okamoto³, Mitsuko Nakashima⁴, Hirotomo Saito⁴, Mitsuhiro Kato⁵, Naomichi Matsumoto⁴, Yukitoshi Takahashi¹, Yushi Inoue¹
1.Department of pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, NHO, Shizuoka, Japan, 2.Department of pediatrics, Graduate School of Medical Sciences Tokushima University, 3.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan, 4.Department of Human Genetics, Yokohama City University Graduate School of Medicine, Kanagawa, Japan, 5.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan
- P-218 Congenital long QT syndrome and partial seizure caused by a KCNQ1 mutation
Atsuro Daida¹, Rintaro Ono¹, Masaaki Ogihara¹, Shinsuke Hirabayashi¹, Mina Yokoyama¹, Takeaki Shirai², Miwa Ozawa¹, Isao Kusakawa¹, Atsushi Manabe¹
1.Department of Pediatrics, St. Luke's International Hospital, Tokyo, Japan, 2.Department of Cardiology, St. Luke's International Hospital, Tokyo, Japan
- P-219 A case of inherited GPI deficiency caused by mutations in *PIGL* : ictal EEG and SPECT
Takayoshi Koike¹, Yukitoshi Takahashi¹, Asako Horino¹, Naoko Koseki¹, Tokito Yamaguti¹, Taikan Oboshi¹, Tomokazu Kimizu¹, Shinsaku Yoshitomi¹, Hideyuki Otani¹, Hiroko Ikeda¹, Katsumi Imai¹, Hideo Shigematsu¹, Yasuhiro Suzuki², Yoshiko Murakami³, Yuushi Inoue¹
1.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 2.Osaka Medial Center and Research Institute for Maternal and Child Health, 3.Department of Immunoregulation, Reserch Institute for Microbial Disease, Osaka University
- P-220 A fatal case of acute encephalopathy with Dravet syndrome
Taku Sasaki¹, Tetsuhiro Fukuyama¹, Hideko Nakajima¹, Shinichi Hirabayashi¹, Noboru Fueki²
1.Department of Neuropediatrics, Nagano Children's Hospital, Nagano, Japan, 2.Department of Rehabilitation, Nagano Children's Hospital, Nagano, Japan
- P-221 A case of Dravet syndrome with grid-pattern sensitive epilepsy
Shigehiro Nagai, Tomoko Kirino, Yumi Fujihara, Sizuka Matuoka, Shoichi Endo (Shikoku Medical Center for Children and Adults)
- P-222 The analysis of paroxysmal kinesigenic dyskinesia based on both the complication and PRRT2 mutation
Naohiro Kurotaki¹, Hiroki Ozawa¹, Kayoko Saitou², Shinji Saitoh³, Kohichiro Yoshiura⁴, Nobuhisa Iwata⁵, Keiro Shirotani⁵, Hirokazu Shiraishi¹
1.NAGASAKI UNIVERSITY HOSPITAL, Nagasaki, Japan, 2.Tokyo Women's Medical University Institute of Genetics, Tokyo, Japan, 3.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 4.Department of HUMAN GENETICS, Atomic Bomb Disease Institute, Nagasaki University, Nagasaki, Japan, 5.Graduate School of Biomedical Sciences Nagasaki University Department of Genome Based Drug Discovery, Nagasaki, Japan
- P-223 LEV was effective for partial seizure, but not for epileptic spasm in a patient with STXBP1 mutation
Go Shimomura¹, Koutaro Yuge¹, Shinichiro Nagamitsu¹, Yushiro Yamashita¹, Hirotomo Saito², Naomichi Matsumoto²
1.Department of pediatrics and child health Kurume University school of medicine Kurume, Japan, 2.Department of pediatrics and child health Kurume University school of medicine Kurume, Japan
- P-224 Perioperative management of Dravet syndrome complicated with scoliosis
Kazuki Tsukamoto, Jun Mine, Kazuko Kishi, Seiji Yamaguchi (Department of Pediatrics, Shimane University School of Medicine, Shimane, Japan)
- P-225 A cases of benign familial infantile epilepsy with PRRT2 gene abnormality
Yusei Baba¹, Kazumi Tanaka¹, Atsushi Ishii², Yukiko Ihara², Shinichi Hirose²
1.Saiseikai Sendai Hospital, Kagoshima, Japan, 2.Fukuoka University Hospital, Fukuoka, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Epilepsy and convulsive diseases 5

Moderator: Shuichi Shimakawa (Department of Pediatrics, Osaka Medical College)

- P-226 Efficacy and safety of MIDAFRASA®injection 0.1% for status epilepticus in children
Rumiko Takayama, Masashi Ogasawara, Toshihide Watanabe (Hokkaido Medical Center for Child health and rehabilitation, Hokkaido, Japan)
- P-227 LEV vs CBZ monotherapy as an initial treatment in patients with localization-related epilepsy
Taku Nakagawa, Chie Awayama, Yoshinori Nanbu, Yuichi Takami (Department of Pediatrics, Japanese Red Cross Society Himeji Hospital, Himeji, Japan)
- P-228 Efficacy of sulthiame in childhood epilepsy
Aya Iwata, Hiroyuki Nigami (The Department of Pediatrics, Nishi Kobe Medical Center, Kobe, Japan)
- P-229 Pleural effusion associated with long-term sodium valproate treatment
Harumi Saijo, Takanori Ezoe, Kiyoko Kurata (Department of Pediatrics, Tokyo Metropolitan Higashiyamato Medical Center for developmental/multiple disabilities, Tokyo, Japan)
- P-230 The efficacy of pharmacotherapy with combined antiepileptic drugs in focal epilepsy
Yoshihisa Higuchi, Nobusuke Kimura (Japan Red Cross Otsu Hospital)
- P-231 The study of therapy termination and recurrence rate in cryptogenic focal epilepsy
Chizuru Nishizato, Hiroe Ueno, Takumi Okada, Tomoyuki Shimazu, Hoseki Imamura (Kumamoto Saishunso National Hospital)
- P-232 The association between immature platelet fraction and thrombocytopenia due to valproic acid
Hirokazu Kurahashi¹, Michihiko Takasu¹, Akihisa Okumura¹, Akiyoshi Takami²
1.Department of Pediatrics, Aichi Medical University, Nagakute, Japan, 2.Department of hematology, Aichi Medical University
- P-233 Three cases of intractable epilepsy with effectiveness of phenobarbital additional administration
Hirotaka Minema², Naohide Shiroma¹
1.Neurodevelopmental Clinic Prop, Okinawa, Japan, 2.Nakagami Hospital, Okinawa, Japan
- P-234 Analysis of the Immunoglobulin levels in pediatric patients with epilepsy taking antiepileptic drugs
Shingo Oana¹, Tomomi Urabe¹, Mika Takeshita¹, Natsumi Morishita¹, Shinichiro Morichi¹, Yu Ishida¹, Gaku Yamanaka¹, Tasuku Miyajima^{1,2}, Hisashi Kawashima¹
1.Department of Pediatrics, Tokyo, Japan, 2.Department of Education for Childcare, Saitama, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Epilepsy and convulsive diseases 6

Moderator: Tomohide Goto (Kanagawa Children's Medical Center)

- P-235 Efficacy of particular therapy to atypical evolutions of idiopathic focal epilepsy in childhood
Aiko Nishikawa, Hirokazu Oguni, Yui Otani, Susumu Ito, Makoto Funatsuka, Satoru Nagata (The Department of Pediatrics of Tokyo Women's Medical University, Tokyo, Japan)
- P-236 Treatment of juvenile myoclonic epilepsy and assessment of patient's background
Miki Inutsuka (Department of Pediatrics, Sasebo Chuo Hospital, Sasebo, Japan)
- P-237 About proper use of Levetiracetam monotherapy
Yukio Sawaishi, Miyuki Toyono (Akita Prefectural Center on Development and Disability, Akita, Japan)
- P-238 Prognostic factor of seizures in glucose transporter 1 deficiency syndrome
Shin Nabatame^{1,2}, Akito Watanabe^{1,2}, Kanako Kishimoto^{1,2}, Junpei Tanigawa^{1,2}, Yoshiko Iwatani^{1,2,3}, Kouji Tominaga^{1,2,3}, Kuriko Shimono^{1,2,3}, Keiichi Ozono^{1,2}
1.Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan, 2.Epilepsy Center, Osaka University Hospital, Suita, Japan, 3.Department of Child Development, United Graduate School of Child Development, Osaka University, Suita, Japan
- P-239 IgG subclass concentrations in epileptic patients treated with carbamazepine
Takamasa Kishi¹, Yuuji Fujii^{1,2}, Yoshiyuki Kobayashi^{1,2}, Nobutsune Ishikawa^{1,2}
1.Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan, 2.Department of Pediatrics, Hiroshima University Hospital
- P-240 The analysis of eruption related lamotrigine
Kazuyuki Yotsumata, Kenji Watanabe (Kagoshima City Hospital, Pediatrics, Kagoshima, Japan)
- P-241 Effectiveness of levetiracetam monotherapy in childhood epilepsy
Atsuko Oba^{1,3}, Shin-Ichiro Hamano², Yasuyuki Wada^{1,3}
1.Department of Pediatrics, The Jikei University, 2.Division of Neurology, Saitama Children's Medical Center, 3.Department of Pediatrics, The Jikei University Kashiwa Hospital

P-242 The alteration of plasma level of antiepileptic drugs on ketogenic diet therapy

Akito Watanabe^{1,3}, Kanako Kishimoto^{1,3}, Junpei Tanigawa^{1,3}, Yoshiko Iwatani^{1,2,3}, Koji Tominaga^{1,2,3}, Kuriko Shimono^{1,2,3}, Shin Nabatame^{1,3}, Keiichi Ozono^{1,3}

1.Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan, 2.United Graduate School of Child Development Osaka University, Suita, Japan, 3.Epilepsy Center, Osaka University Hospital, Suita, Japan

P-245 Classical Glut-1 deficiency syndrome with good outcome who started ketogenic diet in early infancy

Keiko Yanagihara¹, Tosiya Mano², Keitaro Yamada³, Ryoko Hayashi¹, Tae Ikeda¹, Sadami Kimura¹, Yukiko Mogami¹, Yasuhiro Suzuki¹

1.Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Japan, 2.Mano Sugino Codomo Clinic, Takatsuki, Japan, 3.Department of Pediatric Neurology, Aichi Prefectural colony, Welfare Center for Persons with Developmental Disabilities, Kasugai, Japan

P-246 Withdrawn

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Neurodevelopmental disorders 4

Moderator: Ayumi Seki (Faculty of Education, Hokkaido University)

P-245 Social adaptation of adults with PDD who had once visited our hospital –a questionnaire study–

Shinichi Hirabayashi¹, Noboru Fueki², Satoru Hirano³

1.Division of Neurology, Nagano Children's Hospital, Azumino, Japan, 2.Department of Rehabilitation, Nagano Children's Hospital, Azumino, Japan, 3.Nakagawanosato Rehabilitation Center, Saitama, Japan

P-246 The clinical characteristics of the children diagnosed as dyslexia who treated from infancy

Genrei Ohta^{1,4}, Masao Kawatani^{1,4}, Shin-Ichiro Takiguchi^{2,4}, Hiroshi Kometani³, Michio Hiratani⁴, Yusei Ohshima¹

1.Department of Pediatrics, University of Fukui, Fukui, Japan, 2.Department of Child and Adolescent Psychological Medicine, University of Fukui, Fukui, Japan, 3.Department of Pediatrics, Houju Memorial Hospital, Ishikawa, Japan, 4.Hiratani child development clinic, Fukui, Japan

P-247 Assessment of sensory function in children with developmental disorder

Mio Nishimura, Yoko Matsumoto, Mariko Yagi, Yoko Kawasaki (Department of Pediatrics, Nikoniko House Medical and Welfare Center Kobe, Japan)

P-248 Five autism spectrum disorder cases with haploidy at Syntaxin1A gene

Yu Hayashi¹, Takefumi Kofuji², Masao Tamaru³, Kimio Akagawa⁴

1.Department of pediatrics, Medical Center, Prefectural University of Hiroshima, Mihara, Japan, 2.Radioisotope Laboratory, Kyorin University School of Medicine, Tokyo, Japan, 3.Department of Nursing, Faculty of Health Sciences, Hiroshima Cosmopolitan University, 4.Cell Physiology, Kyorin University School of Medicine, Tokyo, Japan

P-249 A case of autism spectrum disorder with self-injury improved by exercise rehabilitation

Ayako Tsumita^{1,2}, Tomoyuki Nakazawa¹, Kaoru Obinata¹, Hiroshi Ozawa²

1.Department of Pediatrics, Juntendo University Urayasu Hospital, Chiba, Japan, 2.Departments of Pediatrics, Shimada Ryoiku Center Hachioji, Tokyo, Japan

P-250 Magic therapy is effective for a case refusing to go to school

Hiroshi Ozawa, Yoko Kishimoto, Yoshiko Nomura, Ayako Tsumida, Yuri Ozawa, Yukiko Nakamura, Kaoru Amemiya (Shimada Ryoiku Center Hachioji, Tokyo, Japan)

P-251 A boy with autism spectrum disorder having ring 22 chromosome and regression from early childhood

Makio Oka¹, Yoshinori Kobayashi³, Mari Akiyama¹, Teruko Morooka¹, Kaoru Hanafusa¹, Tatsuya Ogino², Harumi Yoshinaga¹, Katsuhiro Kobayashi¹

1.Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Science, Okayama, Japan, 2.Department of Children Studies, Faculty of Children Studies, Chugokugakuen University, Okayama, Japan, 3.Department of pediatrics, Kobe City Medical Center General Hospital, Kobe, Japan

P-252 A retrospective 20-year study of patients with neurodevelopmental disorders

Akiko Nagae, Masao Kumode, Kumiko Yamashita, Nozomi Oda, Yasuyuki Fujita, Kiyoshi Takaya (Biwako Gakuen Kusatsu Medical and Welfare Center for Children and Persons with Severe Motor and Intellectual Disabilities, Shiga, Japan)

P-253 Utility of metaphor and sarcasm scenario test in developmental disorder cases with violent behavior

Tsunehiko Kurokawa, Tatsuya Koeda, Makiko Okuyama (Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan)

P-254 Study of sleep spindle in pre-school children with developmental disorders

Motoyuki Minamitani^{1,2}, Shin-Ichiro Hamano^{1,2}, Manabu Tanaka¹, Ryuki Matsuura^{1,2}, Yuko Hirata^{1,2}, Satoru Ikemoto^{1,2}, Erika Hiwatari¹, Reiko Koichihara¹

1.Saitama Children Medical Center, Saitama, Japan, 2.The Jikei University of Medicine, Tokyo, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Neurodevelopmental disorders 5

Moderator: Katsuo Sugita (Division of Child Health, Faculty of Education, Chiba University)

P-255 Interim report of study about frequency of motor-variation in general toddlers

Taishi Miyachi¹, Atsuko Nakagawa², Satoshi Sumi³, Masayuki Imaeda⁴, Shinji Saito⁵, Michihiro Kamijima⁶

1.Nagoya West District Care Center for Disabled Children, Nagoya, Japan, 2.Nagoya City University of Humanities and Social sciences, Nagoya, Japan, 3.Kanbayashi Memorial Hospital, Ichinomiya, Japan, 4.Nagoya North District Care Center for Disabled Children, Nagoya, Japan, 5.Department of Neonatology and Pediatrics, Nagoya City University, Nagoya, Japan, 6.Department of Occupational and Environmental Health, Nagoya City University, Nagoya, Japan

P-256 Developmental of Japanese vocabulary of each cognitive domain in children with Williams syndrome

Miho Nakamura¹, Yukako Muramatsu^{1,2}, Ayako Umemura³, Seiji Mizuno⁴

1.Department of Functioning Science, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi, Japan, 2.Department of Pediatrics, Nagoya University, Nagoya, Japan, 3.Department of Pediatric Neurology, Central Hospital, Aichi Human Service Center, Kasugai, Aichi, Japan, 4.Department of Pediatrics, Central Hospital, Aichi Human Service Center, Kasugai, Aichi, Japan

P-257 Relationship between academic achievement and cognitive function 4 –visual cognition with WAVES–

Tomohito Okumura¹, Akihiro Kawasaki², Tomoko Miura^{1,3}, Makoto Nakanishi⁴, Eiji Wakamiya⁵, Mekumi Mizuta¹, Naoko Kurimoto¹, Takashi Takeshita¹, Hiroshi Tamai⁶

1.Osaka Medical College, LD Center, Takatsuki, Japan, 2.Tohoku University Graduate School of Education, Sendai, Japan, 3.Sakai Seikeikai Hospital, LD Center, Sakai, Japan, 4.Kansai University, Graduate School of Psychology, Suita, Japan, 5.Department of Nursing, Faculty of Life Science, Aino University, Ibaraki, Japan, 6.Osaka Medical College, Department of Pediatrics, Takatsuki, Japan

P-258 Developmental profile of the children with periventricular leukomalacia

Kenji Ikeda¹, Hiroshi Ozawa², Ushio Ootaki¹, Keiko Matsuda¹, Kazuko Akagi¹, Kayoko Takahashi¹, Akiko Kamiishi¹, Kiyoshi Arimoto¹, Satoshi Kimiya¹

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

P-259 A research on actual situation of play of primary schoolchildren with developmental disorder

Nobuko Sugiura¹, Hiroshi Ozawa², Kaoru Amemiya², Yuri Ozawa², Youko Kishimoto², Ayako Tsumita², Yukiko Nakamura², Yoshiko Nomura², Satoshi Kimiya³

1.Shimada Ryoiku Center Hachioji, Tokyo, Japan, 2.Shimada Ryoiku Center Hachioji, Tokyo, Japan, 3.Shimada Ryoiku Center, Tokyo, Japan

P-260 Evaluations of development of spontaneous superficial parenchymal and leptomeningeal hemorrhage

Yoshitaka Mizobe¹, Yu Tsuyusaki¹, Jyun Shibasaki², Takaya Iida³, Kouji Tanoue³, Kiyoshi Matsui³, Noriko Aida⁴, Yoshihisa Oishi⁵, Seijirou Aso⁵

1.Division of Neurology, Kanagawa Children's Medical Center, Kanagawa, Japan, 2.Division of Neonatology, Kanagawa Children's Medical Center, Kanagawa, Japan, 3.Division of General Department, Kanagawa Children's Medical Center, Kanagawa, Japan, 4.Division of Radiology, Kanagawa Children's Medical Center, Kanagawa, Japan, 5.Japanese Red Cross Medical Center, Tokyo, Japan

P-261 Difference of assessment between parents and children with ASD, ADHD using QCD

Yusaku Endo, Teruhiko Suzuki, Kouichi Hirano (Department of Pediatrics (Pediatric Neurology), Hamamatsu City Welfare and Medical Center for Development, Hamamatsu, Japan)

P-262 Developmental prediction for 1-month-old infants with poor fixation and tracking eye movement

Shohei Watanabe (Saiseikai Imabari Hospital, Ehime, Japan / Ehime Prefectural Imabari Hospital, Ehime, Japan)

P-263 Therapy and support for 5 infants with eating disorders

Yuko Tomonoh^{1,2}, Hiroyuki Fujita¹, Seiko Suzuki¹, Yoshiyasu Kono¹

1.The Department of Pediatrics, Kitakyushu Rehabilitation Center for children with disabilities, Kitakyushu, Japan, 2.The Department of Pediatrics, Fukuoka university, Fukuoka, Japan

P-264 Utility of physical test for the first-visit developmental disorder outpatients at our clinic

Kanako Nakano (Pediatrics, Rokko island Kohnan Hospital, Kobe, Hyogo, Japan)

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Mental disorder and behavioral disorder

Moderator: Junichi Furusho (College of Education, human studies and psychology Aoyamagakuin University)

P-265 Polysomnographic analysis of a 15-year-old girl with a long duration abnormal sleep related behavior

Kumi Kato-Nishimura¹, Chika Hiraishi², Masayuki Shimohira²

1.Ota Memorial Sleep Center, Kanagawa, Japan, 2.Department of Pediatrics, Kawaguchi Municipal Medical Center, Saitama, Japan

P-266 Changes in CBCL score as a result of psychosocial intervention for parents

Miyuki Ushida (Department of Pediatric Psychosomatic Medicine, National Hospital Organization Shikoku Medical Center for Children and Adults, Japan)

- P-267 Personality in patients with Gorlin syndrome
Hideki Uchikawa^{1,2}, Katsunori Fujii², Tomoyuki Fukuhara², Hajime Ikehara², Hiromi Mizuochi^{1,2}, Tadashi Shiohama², Naoki Shimojo²
1.Department of Pediatrics, Eastern Chiba Medical Center, Togane, Japan, 2.Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan
- P-268 Non-pharmacological intervention for self-injurious behavior in mentally handicapped populations
Ikumi Kimura, Nagahisa Takahashi, Junko Ohinata, Mika Nagase, Akira Yoneyama, Eiji Kitazumi (The National Rehabilitation Center for Children with Disabilities.)
- P-269 ADHD predominantly inattentive type in mild to moderate intellectual disabled children
Hiroto Akaike, Mina Kono, Eisuke Kondo, Atsushi Kato (The Department of Pediatrics, Kawasaki Medical School)
- P-270 Features of WISC-4 prifile in patients with anorexia nervosa
Ryoko Otani¹, Rie Kanaya¹, Akari Arakawa², Takeshi Inoue², Keiichi Shimamura², Mami Tazoe^{2,3}, Ryoichi Sakuta¹
1.Center for Child Development and Psychosomatic Medicine, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan, 2.Pediatrics, Dokkyo Medical University Koshigaya Hospital, Saitama, Japan, 3.Japan Lutheran College, Tokyo, Japan
- P-271 A study in the correlation between Orxin level and effectiveness of modafinil in narcorepsy
Kaori Sassa, Yuichi Abe, Hideo Yamanouchi (Saitama Medical University Hospital)
- P-272 The efficacy of Yokukansan for the children of autism spectrum disorder
Shigeru Hanaoka (Matudo Municipal Center for Child Developemen, Matsudo City, Japan)

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Encephalitis and encephalopathy 1

Moderator: Ryutaro Kira (Department of Pediatric Newrology, Fukuoka Children's Hospital)

- P-273 Long-term outcome of sequelae in childhood acute encephalopathy : a retrospective study of 70 cases
Yusuke Takezawa¹, Mai Anzai¹, Wakaba Endo¹, Takehiko Inui¹, Ikuko Shirai^{1,2}, Kazuhiro Haginoya¹
1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Japan, 2.Department of Pediatric Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- P-274 The EEG is predictive indicator for prognosis of the patients with return of spontaneous
Jun Matsui, Noriko Nishikura, Tatsuyuki Sokoda, Seiichirou Yoshioka, Tomoyuki Takano, Yoshihiro Takeuchi (Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)
- P-275 Cerebellar encephalitis without neurological symptoms
Chie Awayama¹, Yoshinori Nanbu¹, Taku Nakagawa¹, Yuichi Takami¹, Yukitoshi Takahashi²
1.Himeji Red Cross Hospital, 2.Shizuoka Institute of Epilepsy and Neurological Disorders
- P-276 Does MERS (mild encephalitis/encephalopathy with a reversible splenial lesion) need a treatment ?
Yoshinori Nambu², Chie Awayama¹, Taku Nakagawa¹, Yuichi Takami¹, Yukitoshi Takahashi²
1.Japanese Red Cross Society Himeji Hospital, Hyogo, Japan, 2.Shizuoka institute of Epilepsy and Neurological Disorders
- P-277 Findings in acute encephalopathy with biphasic seizures and late reduced diffusion
Atsuko Ohno¹, Akihisa Okumura², Tatsuya Fukasawa³, Takeshi Suzuki³, Yuji Nakamura⁴, Misa Miyake⁵, Tetsuo Kubota³, Kenji Tsuji⁶, Naoki Ando⁷, Shinji Saito⁷, Jyun Natsume¹
1.Department of Pediatrics, Nagoya University, Aichi, Japan, 2.Department of Pediatrics, Aichi Medical University, Aichi, Japan, 3.Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan, 4.Department of Pediatrics, Toyohashi municipal hospital, Aichi, Japan, 5.Department of Pediatrics, Fujita Health University School of Medicine, Aichi, Japan, 6.Department of Pediatrics, Okazaki City Hospital, Aichi, Japan, 7.Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences, Aichi, Japan
- P-278 A case of ADEM emerged with status epilepticus and transient subcortical lesion
Kenji Watanabe¹, Kazuyuki Yotsumata¹, Hiromi Nagata¹, Shinsuke Maruyama²
1.Kagoshima city hospital, 2.Kagoshima University Hospital Pediatrics
- P-279 A case of AESD occured in a patient with CCHS
Akari Tago, Kyoko Yokoi, Satoru Kobayashi (Department of Pediatrics, Nagoya City West Medical Center, Nagoya, Japan)
- P-280 A retrospective study on the prognoses of AESD
Sooyoung Lee^{1,2}, Masafumi Sanefuji², Michiko Torio², Yuuko Ichimiya², Hiroyuki Torisu², Yoshito Ishizaki², Yasunari Sakai², Tosihiro Hara^{1,2}
1.Fukuoka Children's Hospital, Fukuoka, Japan, 2.Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- P-281 Cerebrospinal fluid cytokine in clinically mild encephalopathy with a reversible splenial lesion
Takuya Yokota¹, Sotaro Kanai¹, Hirotaka Motoi¹, Tohru Okanishi¹, Shumpei Yokota², Hideo Enoki¹
1.Seirei Hamamatsu General Hospital, Hamamatsu, Japan, 2.Yokohama City University Graduate School of Medicine, Yokohama, Japan
- P-282 Three cases of AESD performing a EEG monitoring clustered seizures
Satoru Kobayashi, Akari Tago, Kyoko Yokoi (Nagoya City West Medical Center)
- P-283 TRH was partially effective in the recovery of speech and motor impairment after HHV6 encephalopathy
Hiroko Matsushita¹, Sozo Okano¹, Katsumi Hayakawa²
1.Kyoto City Hospital, Kyoto, Japan, 2.Iwate Prefectural Kamaishi Hospital, Iwate, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Encephalitis and encephalopathy 2

Moderator: Masaru Takayanagi (Sendai City Hospital, Division of Pediatrics)

- P-284 Neonatal enterovirus encephalitis presented with disseminated lesions in subcortical white matter
Ryoko Nakamura, Masaru Matsukura, Pin Fee Chong, Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- P-285 EEG findings of patients with Kawasaki disease
Shinji Itamura, Kazunori Ogawa, Mieko Takenaka, Kentarou Kuwabara (Hiroshima city hospital, pediatri neurology, Japan)
- P-286 Establishment of knock out/down microglial cell line using CRISPR/Cas9 system
Suzuki Tomonori^{1,2}, Ueno Taro³, Hayashi Masaharu¹, Sakuma Hiroshi¹
1. Developmental Neuroimmunology Project, Department of Brain Development and Neural Regeneration, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, 2. Department of Pediatrics, Tokyo Medical Dental University, Tokyo, Japan, 3. Learning and Memory Project, Department of Dementia and Higher Brain Function, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan
- P-287 Recent acute encephalopathy cases at Osaka Red Cross Hospital with handicapped people's institution
Takuto Naito¹, Haruko Sakamoto¹, Yujiro Tajiri¹, Naoko Fusayasu², Yoshihiko Takano¹, Tsukasa Tanaka³, Ryo Sugita¹, Kaori Anzai¹, Mai Takegawa¹, Anryu Nomura¹, Shinya Hida¹, Takehiko Okuno⁴, Misao Yoshii¹, Shinichi Sumimoto¹
1. Pediatric Department, Osaka Red Cross Hospital, Osaka, Japan, 2. Pediatric Department, Sagamihara National Hospital, 3. Neurology Department, Hyogo Prefectural Children's Hospital, Hyogo, Japan, 4. Otemae Center for Rehabilitation
- P-288 Examination of the drug eruption by phenobarbital maintenance therapy for status epilepticus
Mitsuji Moriya, Yu Aihara, Rikio Suzuki, Taro Kitamura, Toshiyuki Nishio, Masaru Takayanagi, Toshihiro Ohura (Department of Pediatrics, Sendai City Hospital, Sendai, Japan)
- P-289 A case of PRES with Burkitt lymphoma treated by rituximab, severe varicella zoster infection
Kumi Omagari, Tatsuharu Sato, Kouhei Haraguchi, Yoshiaki Watanabe, Nobuhiro Ito, Yasutomo Funakoshi, Masahiko Okada (The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan)
- P-290 Case series of fatal acute encephalopathy
Kazumi Tomioka¹, Hiroaki Nagase^{1,2}, Yuusuke Ishida², Tsukasa Tanaka², Masahiro Nishiyama^{1,2}, Kyoko Fujita², Daisaku Toyoshima², Azusa Maruyama², Hiroki Takeda³, Yoshiyuki Uetani³, Masaaki Matsumoto¹, Ai Unzaki¹, Hiroyuki Awano¹, Satoshi Takada⁴, Kazumoto Iijima¹
1. Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan, 2. Department of Neurology, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan, 3. Department of emergency medicine, Hyogo Prefectural Kobe Children's Hospital, Kobe, Japan, 4. Kobe University Graduate School of Health Science, Kobe, Japan
- P-291 A case of acute encephalitis associated with parvovirus B19 infection
Masaru Matsukura, Toru Imagi, Ryouko Nakamura, Pinfee Chong, Ryutaro Kira (Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- P-292 A case of rotavirus-related acute encephalopathy accompanied with endothelial cell dysfunction
Daigo Kato¹, Satoshi Inoue¹, Noriko Fujii¹, Tadaki Oomae¹, Toshio Osamura¹, Hisashi Kawashima²
1. Department of Pediatrics, Japanese Red Cross Society Kyoto Daini Hospital, Kyoto, Japan, 2. Department of Pediatrics, Tokyo Medical University, Tokyo, Japan
- P-293 Examination of the factor about the long-term neurological outcome of herpes encephalitis
Satori Hirai, Hiroshi Arai, Yukihiro Kitai, Kayo Oomura, Kaeko Ogura (Department of Pediatric Neurology, Morinomiya hospital, Osaka, Japan)
- P-294 Four cases of mumps meningoencephalitis
Yuji Sugawara¹, Tsunehiko Kurokami^{1,2}, Tomonori Suzuki^{1,3}, Takeshi Hasegawa¹
1. Department of Pediatrics, Soka Municipal Hospital, Soka, Japan, 2. Department of Psychosocial Medicine, National Center for Child Health and Development, Tokyo, Japan, 3. Department of Brain Development and Neural Regeneration, Developmental Neuroimmunology Project, Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Encephalitis and encephalopathy 3

Moderator: Hiroko Tada (Chiba-ken Saiseikai Narashino Hospital Division of Pediatrics, Chiba, Japan)

- P-295 Two cases of nonherpetic acute limbic encephalitis
Anzu Noda¹, Etsushi Toyofuku¹, Yuki Koshino¹, Yuichi Abe², Yukitoshi Takahashi³
1. Department of Pediatrics, Saitama citizens medical center, Saitama, Japan, 2. Department of Pediatrics, Saitama medical university, Saitama, Japan, 3. Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan

- P-296 Evaluation of hypothalamic–pituitary function in encephalopathy with nonthyroidal illness
Mutsumi Morishita¹, Ryuki Matsuura¹, Erika Hiwatari¹, Satoshi Ikemoto¹, Yuko Hirata¹, Manabu Tanaka², Motoyuki Minamitani², Shinichiro Hamano¹
1.Division of Neurology,Saitama Children's Medical Center,Saitama,Japan, 2.Division of Child Health and Human Development,Saitama Children's Medical Center,Saitama,Japan
- P-297 A case of pneumatosis cystoides intestinalis secondary to steroid therapy for limbic encephalitis
Tomoko Tando¹, Yusuke Goto¹, Kanji Sugita², Masao Aihara³
1.Yamanashi prefectural central hospital, 2.Yamanashi,Japan, 3.Yamanashi,Japan
- P-298 Siblings with limbic encephalitis
Sho Narahara, Yusuke Aoki, Motomasa Suzuki, Kazuya Itomi (The Department of Neurology, Aichi Childlens's Health and Medical Center, Aichi, Japan)
- P-299 Three cases with acute encephalitis with refractory repetitive partial seizures
Hiromi Suzuki¹, Youji Ikuta², Asami Itou¹, Takayuki Mori¹, Yoriko Matsui⁴, Naoki Shimizu³, Sahoko Miyama¹
1.Department of Neurology, Tokyo Metropolitan Children Medical Center,Tokyo,Japan, 2.Department of Pediatrics,Showa General Hospital,Tokyo,Japan, 3.Department of Critical care medicine,Tokyo Metropolitan Children Medical Center,Tokyo,Japan, 4.Department of Pediatrics,Keio University School of Medicine,Tokyo,Japan
- P-300 Chronic phase rehabilitation for children with sequelae of acute encephalopathy
Manabu Yoshihashi, Mana Kurihara, Manamichi Ariga, Takeya Awashima, Toshitaka Kohagizawa (The department of pediatrics, Kanagawa rehabilitation center, Kanagawa, Japan)
- P-301 Epidemiological and clinical analysis of cases of acute encephalopathy in our medical care zone
Yusuke Okada¹, Hironori Matsufuji¹, Madoka Kajimoto², Hiroko Narumi¹, Fumiko Okazaki^{1,2}, Noriko Hotta¹, Satoko Ito¹, Hiroshi Tateishi¹, Kyoko Fujita¹, Masashi Uchida¹
1.Department of Pediatrics, Japan Community Health care Organization Tokuyama Central Hospital, Yamaguchi, Japan, 2.Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan
- P-302 A case of acute disseminated encephalomyelitis presenting with blindness, without optic neuritis
Hiromi Nagata¹, Kenji Watanabe¹, Kazuyuki Yotsumata¹, Shinsuke Maruyama²
1.Kagoshima City Hospital, Kagoshima, Japan, 2.Kagoshima University, Kagoshima, Japan
- P-303 Time-dependent change of the brain blood flow in 2 cases of non-herpetic limbic encephalitis
Taiju Hayashi¹, Yoshifumi Miyagi¹, Hidetoshi Ishigaki¹, Yusuke Itoh¹, Tomoko Matshubayashi¹, Tokiko Fukuda¹, Tomohiro Nishio², Akira Kubota², Hiroki Uchiyama³
1.Department of Pediatrics, Hamamatsu University School of Medicine,Hamamatsu,Japan, 2.Department of Pediatrics, Chutoen General Medical Center,Kakegawa,Japan, 3.Department of Pediatrics ,Fujinomiya City General Hospital,Fujinomiya,Japan
- P-304 A case of hypoplastic left heart syndrome with hemiconvulsion hemiplegia epilepsy syndrome
Takuzo Marukane¹, Shiho Morita¹, Wataru Tamaki¹, Masaki Yamamoto¹, Taku Oishi¹, Takatoshi Hosokawa^{1,2}, Mikiya Fujieda¹
1.Department of Pediatrics, Kochi Medical School, Kochi University, Kochi, Japan., 2.Pediatric Neurology , Hosogi hospital, Kochi, Japan.

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Infection and immunity 1

Moderator: Yuji Inaba (Department of Pediatrics,Shinshu Univ.School of Medicine)

- P-305 A case of acute flaccid paralysis which is partial effectiveness of immunoglobulin therapy
Mariko Kasai¹, Sayaka Ohta¹, Yoko Mizuno¹, Konomi Shimoda¹, Atsushi Sato¹, Akira Oka¹, Masashi Mizuguchi²
1.Department of Pediatrics, The University of Tokyo Hospital, 2.School of Integrated Health Sciences, Faculty of Medicine, The University of Tokyo
- P-306 Three cases of neurological complication associated with enterovirus around the same time
Takayoshi Kawabata (Ishikawa Prefectural Central Hospital , Ishikawa, Japan)
- P-307 Three cases of acute flaccid myelitis occurred in September, 2015
Toru Imagi, Ryouko Nakamura, Masaru Matsukura, Pin Fee Chong, Ryutaro Kira (Department of Pediatric Neurology, Fukuoka Children's Hospital, Fukuoka, Japan)
- P-308 A case of 1 year old boy with acute flaccid paralysis
Sosuke Yoshikawa¹, Chizuru Ohba², Mitsuru Kashiwagi², Takuya Tanabe³, Miho Fukui⁴, Shuichi Shimakawa⁴, Hiroshi Tamai⁴
1.Department of Pediatrics, Osaka Rosai Hospital, Osaka, Japan, 2.Department of Pediatrics, Hirakata City Hospital, Osaka, Japan, 3.Tanabe Pediatric Neurology Internal Medicine, 4.Department of Pediatrics, Osaka Medical College, Osaka, Japan
- P-309 Two cases of acute flaccid paralysis
Tomoshige Tanimura¹, Megumi Suyama¹, Tomonori Goto¹, Kanemasa Maki¹, Kyoko Ban¹, Aya Yarita², Mamiko Tachikawa³, Daisuke Ieda³, Ikumi Hori³, Yutaka Negishi³, Ayako Hattori³, Naoki Ando³, Shinji Saitoh³
1.Yokkaichi Municipal Hospital, Department of Pediatrics, Mie, Japan, 2.Yokkaichi Municipal Hospital,Department of Neurology, Mie, Japan, 3.Nagoya City University, Graduate school of Medical Sciences, Department of Pediatrics and Neonatology, Aichi, Japan

P-310 Three cases of acute flaccid paralysis

Kouhei Haraguchi, Tatsuharu Sato, Kaoru Moriyama, Daishi Inoue, Yoshiaki Watanabe, Hiroyuki Moriuchi (Department of Pediatrics, University of Nagasaki, Nagasaki, Japan)

P-311 A case of acute flaccid paralysis after asthma attack

Harukata Sumi¹, Tetsuji Nagamoto¹, Minako Ono¹, Yosinori Murasima¹, Ryuusuke Satou¹, Ari Iwaoka¹, Youko Santou¹, Youko Mouri¹, Ken Mouri¹, Tomoyuki Miyamoto¹, Kazuo Fujiwara²

1. Yokosuka General Hospital Uwamachi pediatrics, yokosuka, Japan, 2. Department of Neurology, Tohoku University School of Medicine, Sendai, Japan

P-312 A case of the Hopkins syndrome that may be caused by Enterovirus

Taira Toki¹, Toshiyuki Iwasaki¹, Tomoya Ishida², Toshiyuki Shirai², Masahiro Ishii¹

1. Department of Pediatrics Kitasato University, Sagami-hara, Japan, 2. Sagamidai Hospital, Zama, Japan

P-313 A case of Polio-like acute flaccid paralysis with Echovirus type 3 in stool

Ayako Yamamoto, Yoshitaka Oyama, Yuya Saitou, Soya Kobayashi, Mayu Ishibashi, Michihiro Hatano, Mari Iwamoto (Saiseikai Yokohamashi Tobu Hospital, Yokohama city, Kanagawa, Japan)

P-314 A case of acute flaccid paralysis

Chizu Ohba¹, Mitsuru Kashiwagi¹, Motoko Ogino¹, Takuya Tanabe³, Shuichi Shimakawa², Hiroshi Tamai²

1. Hirakata City Hospital, 2. Osaka Medical College Hospital, Osaka, Japan, 3. Tenable Children Clinic, Osaka, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Infection and immunity 2

Moderator: Hiroyuki Torisu (Section of Pediatrics, Department of Medicine, Fukuoka Dental College)

P-315 Analysis of anti-phospholipid antibodies in pediatric patients with cerebral infarction

Seigo Korematsu, Hiroaki Miyahara, Hiroshi Yamada (Department of Pediatrics, Oita University Faculty of Medicine, Oita, Japan)

P-316 Clinical study of pediatric bacterial meningitis over one month old during 22 years

Hiroshi Shiraga (Department of Pediatrics, Okayama Medical Center)

P-317 A case of neuromyelitis optica associated with anti-MOG antibody

Kohei Takashima, Jun Matsui, Noriko Nishikura, Tatsuyuki Sokoda, Tomoyuki Takano, Yoshihiro Takauchi (Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan)

P-318 A case of anti-NMDA receptor encephalitis secondary to herpes simplex encephalitis

Takanori Omae¹, Kouyou Ono¹, Yoshiaki Saitou¹, Yoshihiro Maegaki¹, Yukitoshi Takahashi²

1. Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Yonago, Japan, 2. National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka, Japan

P-319 A 10-year-old girl case of acute flaccid paralysis that Enterovirus D68 infection is suspected

Genrei Ohta¹, Masao Kawatani¹, Hiroshi Kometani², Kazuhisa Nishimori¹, Keiichi Sugihara³, Kenta Yamada¹, Yusei Ohshima¹

1. Department of Pediatrics, University of Fukui, Fukui, Japan, 2. Houju Memorial Hospital, 3. Municipal Tsuruga Hospital

P-320 A case of infant botulism, rapid worsening and improvement of respiratory failure

Kenta Ikeda, Hiroaki Ohbayashi, Yuriko Yamashita, Megumi Shiota, Yoshitaka Miyoshi, Hajime Mihira, Masato Mori, Tomohiko Turu (Department of Pediatrics, Matsudo City Hospital, Chiba, Japan)

P-321 A case of optic neuritis with MOG antibodies treated with intravenous immunoglobulin therapy

Yuma Noto, Fumio Hayakawa, Toru Kato, Takeshi Tsuji, Ryousuke Suzui (Department of Pediatrics, Okazaki City Hospital, Okazaki, Aichi, Japan)

P-322 A case of acute flaccid myelitis with enterovirus D68

Etsushi Toyofuku¹, Yuki Koshino¹, Anzu Noda¹, Yuichi Abe²

1. Pediatrics, Saitama Citizens Medical Center, Saitama, Japan, 2. Pediatrics, Saitama Medical University Hospital, Saitama, Japan

P-323 Two-year-old boy with flaccid myelitis and Guillain-Barré syndrome with anti-Gal-C antibody

Michiaki Nagura¹, Eiko Takada¹, Hideo Yamanouchi²

1. Saitama Medical Center, Kawagoe, Japan, 2. Saitama Medical College, Moroyama-cho, Japan

P-324 Clinical characteristics of 6 patients with status epilepticus associated with HFMD

Kiyotaka Zaha, Kenji Uematu, Yasuko Nakamura, Hiroshi Matsumoto (Department of Pediatrics, National Defense Medical College, Saitama, Japan)

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Infection and immunity 3

Moderator: Kazuhiro Muramatsu (Dept. Pediatrics, Gunma University Graduate School of Medicine)

P-325 Plasma exchange and steroid for MOG antibody-positive neuromyelitis optica spectrum disorders

Yoshihiro Watanabe¹, Hikari Kaba¹, Yu Fujiwara¹, Saoko Takeshita¹, Ichiro Nakashima²

1. Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan, 2. Department of Neurology, Tohoku University School of Medicine, Sendai, Japan

- P-326 Reversible sleep–wake cycle disorder in a 7 year–old boy with myasthenia gravis
Yuri Sakaguchi¹, Toshiki Takenouchi^{1,2}, Takao Takahashi¹
1.Department of Pediatrics, Keio University School of Medicine, Tokyo, Japan, 2.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan
- P-327 A case of motor aphasia and hemiplegia associated with Parry–Romberg syndrome
Junichi Yokoyama¹, Toshiyuki Shinozaki², Kazuyuki Nakamura¹, Toshiyuki Kimura², Mitsuhiro Katou^{2,3}, Tetsuo Mitsui¹
1.Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata city, Japan, 2.Pediatrics Department of Nihonkai general hospital, Sakata city, Japan, 3.Pediatrics department of Shouwa University, Tokyo, Japan
- P-328 Neuromyelitis optica spectrum disorder in a patient in complete remission of rhabdomyosarcoma
Takayuki Mori¹, Itaru Hayakawa¹, Ayaka Koide¹, Asami Itou¹, Hiromi Suzuki¹, Sunao Tomita¹, Sahoko Miyama¹, Toshiyuki Takahashi^{2,3}
1.Department of Neurology, Tokyo Metropolitan Children's Medical center, Tokyo, Japan, 2.Department of Neurology, Tohoku University school of medicine, Miyagi, Japan, 3.Department of Neurology, Yonezawa national Hospital, Yamagata, Japan
- P-329 Pott's puffy tumor caused by staphylococcal skull osteomyelitis occurred for severely disabled child
Hideki Hoshino, Masakazu Mimaki (Department of Pediatrics, Teikyo University, School of medicine, Tokyo, Japan)
- P-330 Transient presence of anti MOG antibodies in a patient with recurrent ADEM
Kei Wakabayashi¹, Mari Kuwajima¹, Akihiko Miyauchi¹, Toshiyuki Takahashi², Ichirou Nakashima², Hitoshi Osaka¹, Takanori Yamagata¹
1.The Department of Pediatrics, Jichi Medical University, Tochigi, Japan, 2.The Department of Neurology, Tohoku University School of Medicine, Miyagi, Japan
- P-331 A case of anti–MOG antibody positive clinically isolated syndrome
Atsuko Wakui¹, Kanshi Minamitani¹, Toshiyuki Takahashi^{2,3}, Kimihiko Kaneko², Setsuo Ota¹
1.Teikyo University Chiba Medical Center Hospital, Department of Pediatrics, Ichihara, Japan, 2.Tohoku University School of Medicine, Department of Neurology, 3.Yonezawa National Hospital, Department of Neurology, Yonezawa, Japan
- P-332 Four cases of acute focal bacterial nephritis with status epilepticus and consciousness disturbance
Sora Okita, Atuko Kanagawa, Tomosi Nakajiri, Atsusi Nisiyama, Yosinobu Oyazato (The Department of Pediatrics, Kakogawa West City Hospital)
- P-333 A case of gait disturbance and articulation disorders caused by GM3—positive acute cerebellar ataxia
Noboru Yoshida¹, Shintaro Yamashita¹, Tomoyuki Nakazawa², Shinichi Nijima¹, Toshiaki Shimizu³
1.Department of Pediatrics, Juntendo Nerima Hospital, 2. Toshima Hospital, 3.Department of Pediatrics, Juntendo Nerima Hospital

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Genetics 1

Moderator: Kenji Kurosawa (Division of Medical Genetics, Kanagawa Children's Medical Center)

- P-334 Characteristics of *CDKL5* mutation identified in patients with epileptic encephalopathy
Toshiyuki Yamamoto¹, Keiko Shimojima¹, Nobusuke Kimura², Yukiko Mogami², Daisuke Usui², Rumiko Takayama², Hiroko Ikeda², Katsumi Imai²
1.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan, 2.National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
- P-335 Influence of ABCB1 polymorphisms with drug–responsiveness to Japanese children with epilepsy
Hirotaka Motoi^{1,2}, Masakatsu Yanagimachi², Hikari Kaba², Yu Fujiwara², Yoshihiro Watanabe², Saoko Takeshita², Toru Okanishi¹
1.Department of Child Neurology, Seirei Hamamatsu General Hospital, Shizuoka, Japan, 2.The Department of Pediatrics, Yokohama City University, Yokohama, Japan
- P-336 Genetic diagnosis of Duchenne/Becker muscular dystrophy using next–generation sequencing
Mariko Okubo¹, Narihiro Minami^{1,2,3}, Kanako Gotou^{1,2}, Satoru Noguchi¹, Satomi Mitsuhashi^{1,2}, Ichizou Nishino^{1,2}
1.Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan, 2.Department of Genome Medicine Development, Medical Genome Center, NCNP, Tokyo, Japan, 3.Department of Genome Medicine Development, Medical Genome Center, NCNP, Tokyo, Japan
- P-337 Refractory epileptic apnea with hypochondroplasia : case report of a 2–year–old girl
Tetsuya Okazaki^{1,2}, Riyo Ueda¹, Youko Nishimura¹, Kouyou Oono¹, Akiko Tamasaki¹, Naoko Nakagawa^{2,3}, Noriko Kasagi², Kaori Adachi⁴, Masachika Kai⁵, Masayuki Sasaki⁶, Eiji Nanba^{2,3,4}, Yoshiaki Saito¹, Yoshihiro Maegaki¹
1.Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University, Yonago, Japan, 2.Division of Clinical Genetics, Tottori University Hospital, Yonago, Japan, 3.Center for Promoting Next-Generation Highly Advanced Medicine Tottori University Hospital, Yonago, Japan, 4.Division of Functional Genomics, Research Center for Bioscience and Technology, Tottori University, Yonago, Japan, 5.Division of Technical Department, Tottori University, Yonago, Japan, 6.Department of Child Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

P-338 *PIK3C3* is responsible gene for epidermal nevus, cataract and learning disorder

Ayumi Matsumoto¹, Yutaka Inaguma², Daisuke Usui⁴, Masahide Goto¹, F. Eriko Jimbo¹, Hidenori Tabata², Akihiko Maeda⁴, Kiyoshi Kikkawa³, Y. Mariko Momoi¹, Hitoshi Osaka¹, Koh-Ichi Nagata², Takanori Yamagata¹

1.Department of Pediatrics, Jichi medical university, Tochigi, Japan, 2.Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan, 3.Department of Pediatrics, Kochi Health Sciences Center, Kochi, Japan, 4.Department of Pediatrics, Hata Kenmin Hospital, Kochi, Japan

P-339 TSC mutation analysis of Japanese patients with tuberous sclerosis complex

Yo Niida (Center for Medical Genetics, Kanazawa Medical University Hospital, Ishikawa, Japan)

P-340 De novo HDAC8 mutation causes Rett syndrome-like phenotype in a female patient

Tomoko Saikusa^{1,2}, Gou Shimomura², Koutarou Yuge², Munetsugu Hara², Shinichirou Nagamitsu², Yushirou Yamashita², Toyojiro Matsuishi^{1,2}, Naomichi Matsumoto³

1.St. Mary'S Hospital, Fukuoka, Japan, 2.The Department of Pediatrics and Child Health Kurume University of Medicine, 3.The Department of Human Genetics Yokohama City University

P-341 A case of Pitt-Hopkins syndrome with TCF4 gene mutations

Yu Kakimoto¹, Akiko Yakuwa¹, Gou Takei¹, Tadayuki Kumagai¹, Satoshi Takenaka¹, Hiroshi Terashima¹, Masaya Kubota¹, Rika Kosaki²

1.Division of Neurology, National Center for Child Health and Development, Tokyo, Japan, 2.Division of Medical Genetics, National Center for Child Health and Development, Tokyo, Japan

P-342 An autism patient with a de novo SHANK3 mutation : a case report

Kyoko Takano¹, Tomoki Kosho^{1,2,3}, Keiko Wakui^{1,2}, Yoshimitsu Fukushima^{1,2}

1.Department of Medical genetics, Shinshu University School of Medicine, Matsumoto, Japan, 2.Division of Clinical and Molecular Genetics, Shinshu University Hospital, Matsumoto, Japan, 3.Department of Pediatrics, Shinano Iryofukushi Center, Shimosuwa, Japan

P-343 A mild case of porencephaly, polymicrogyria, and cerebellar hypoplasia with a TUBA1A mutation

Tatsuharu Sato¹, Mitsuhiro Katou², Daishi Inoue¹, Kouhei Haraguchi¹, Hirotomo Saitsu³, Naomichi Matsumoto³, Hiroyuki Moriuchi¹

1.The Department of Pediatrics, Nagasaki University Hospital, Nagasaki, Japan, 2.The Department of Pediatrics Showa University School of Medicine, Tokyo, Japan, 3.The Department of Genetics, Yokohama City University Graduate School of Medicine

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Genetics 2

Moderator: Yo Niida (Center for Medical genetics, Kanazawa Medical University hospital)

P-344 Cerebellar ataxia and development delay associated with STXBP1 mutation in a 5-year-old child

Ayako Ueda¹, Hitoshi Osaka¹, Satoko Miyatake², Hirotomo Saitsu², Naomichi Matsumoto², Takanori Yamagata¹

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

P-345 Cerebral vascular malformations in patients with ACTA2 mutations

Chihiro Hatano¹, Takayuki Yokoi¹, Mariko Takagi², Tomohide Goto², Hideaki Ueda³, Yuta Fujii⁴, Noriko Aida⁴, Kenji Kurosawa¹

1.Division of Medical Genetics, Kanagawa Children's Medical Center, Yokohama, Japan, 2.Department of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 3.Department of Cardiology, Kanagawa Children's Medical Center, Yokohama, Japan, 4.Department of Radiology, Kanagawa Children's Medical Center, Yokohama, Japan

P-346 Long-term clinical feature of West syndrome with a de novo 19p13.2 deletion : a case report

Naomi Hino-Fukuyo^{1,2}, Atsuo Kikuchi², Mieko Hirose³, Hiroyuki Yokoyama⁴, Kazuhiro Haginoya⁵, Natsuko Ichinoi-Arai², Ryo Sato², Tetsuya Niihori^{1,6}, Yoko Aoki^{1,6}, Shigeo Kure²

1.Center of Genomic Medicine, Tohoku University Hospital, Sendai, Japan, 2.Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan, 3.Department of Pediatrics, Hakodate Central General Hospital, 4.Yamagata University Faculty of Medicine, School of Nursing, 5.Department of Pediatric Neurology, Takuto rehabilitation Center for Children, Sendai, Japan, 6.Department of Medical Genetics, Tohoku University School of Medicine, Sendai, Japan

P-347 A microcephaly patient with PNKP gene mutation

Mari Kuwajima^{1,2}, Hitoshi Osaka¹, Masako Nagashima¹, Hirotomo Saitsu², Naomichi Matsumoto², Takanori Yamagata¹

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P-348 Cockayne syndrome with marked rigidity and joint contractures at the neonatal period

Mizuki Kobayashi¹, Akihiko Miyauchi¹, Tomoo Ogi², Hitoshi Osaka¹, Takanori Yamagata¹

1.Department of Pediatrics, Jichi Children's Medical Center Tochigi, Jichi Medical University, Tochigi, Japan, 2.Department of Genetic Studies, Research Institute of Environmental Medicine, Nagoya University, Nagoya, Japan

- P-349 A girl with Coffin–Siris syndrome with epilepsy accompanied deletion including ARID1B gene
Asako Horino¹, Yukitosi Takahashi¹, Kazuki Tsukamoto¹, Shinsaku Yoshitomi¹, Tokito Yamaguchi¹, Hideyuki Ohtani¹, Hiroko Ikeda¹, Katsumi Imai¹, Hideo Shigematsu¹, Yusi Inoue¹, Mitsuhiro Kato², Mitsuko Nakashima³, Hirotomo Saito³, Naomichi Matsumoto³, Naoki Matsuo⁴
1.Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan, 2.Department of Pediatrics, Showa University School of Medicine, 3.Department of Human Genetics, Yokohama City University Graduate School of Medicine, 4.Department of Pediatrics, Gifu Prefecture General Hospital
- P-350 A three-year-old boy with Temple–Baraitser syndrome caused by a de novo mutation in the KCNH1 gene
Satoshi Akamine¹, Yasunari Sakai¹, Yuko Ichimiya¹, Michiko Torio^{1,2}, Yoshito Ishizaki¹, Masafumi Sanefuji¹, Hiroyuki Torisu², Ryoko Fukai³, Noriko Miyake³, Hirotomo Saito³, Naomichi Matsumoto³, Hidetoshi Takada¹
1.Department of Pediatrics, University of Kyushu, Fukuoka, Japan, 2.Fukuoka Dental College Medical and Dental Hospital, 3.Department of Human Genetics, Yokohama City University
- P-351 A case of atypical Moebius syndrome
Yasuko Nakamura, Kiyotaka Zaha, Kenji Uematu, Hiroshi Matsumoto (Department of Pediatrics, National Defense Medical College, Saitama, Japan)
- P-352 A girl with neurofibromatosis 1 developing glaucoma and cranial bone defect
Hiromitsu Toshikawa, Syuichi Shimakawa, Atsushi Mori, Mari Hatanaka, Miho Fukui, Hiroshi Tamai (Department of Pediatrics, Osaka Medical College)
- P-353 A girl with CACNA1A gene mutation developing recurrence of stroke-like attack
Atsushi Mori¹, Mitsuru Kashiwagi², Mari Hatanaka¹, Hiromitsu Toshikawa¹, Shohei Nomura³, Miho Fukui¹, Shuichi Shimakawa¹, Hiroshi Tamai¹
1.Department of Pediatrics, Osaka medical college, Osaka, Japan, 2.Hirakata City Hospital, Osaka, Japan, 3.Seikeikai Hospital, Osaka, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Neonatal neurology

Moderator: Tetsuo Kubota (Department of pediatrics Anjo Kosei Hospital)

- P-354 Time–frequency analysis of brushes in infants with non–cystic PVL
Toru Kato¹, Ryosuke Suzui¹, Yuma Noto¹, Takeshi Tsuji¹, Fumio Hayakawa¹, Tetsuo Kubota², Hiroyuki Kidokoro³, Jun Natsume⁴, Akihisa Okumura⁵
1.Department of Pediatrics, Okazaki City Hospital, Okazaki, Aichi, Japan, 2.Department of Pediatrics, Anjo Kosei Hospital, Anjo, Aichi, Japan, 3.Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan, 4.Department of developmental disability medicine, Nagoya University Graduate School of Medicine, Nagoya, Japan, 5.Department of Pediatrics, Aichi Medical University, Nagakute, Aichi, Japan
- P-355 Autonomic function in preterm period is associated with brain growth
Tomoki Maeda, Mizuho Takahashi, Kazuhito Sekiguchi (Department of Pediatrics and Child Neurology, Oita University)
- P-356 A case of *KCNQ2* encephalopathy successfully treated with PB and ZNS
Yuka Nishizawa, Jun Matsui, Noriko Nishikura, Tatsuyuki Sokoda, Tomoyuki Takano, Yoshihiro Takeuchi (The Department of pediatrics, Shiga University of Medical Science, Shiga, Japan)
- P-357 A case of mitochondrial complex IV deficiency with severe respiratory failure in neonatal period
Osamu Kobayashi¹, Naoki Fukushima¹, Kazuo Okanari², Tomoki Maeda², Kei Murayama³, Akira Ohtake⁴
1.Almeida Memorial Hospital, Oita, Japan, 2.Department of Pediatrics, Faculty of Medicine, Oita University, Oita, Japan, 3.Department of Metabolism, Chiba Children's Hospital, Chiba, Japan, 4.Department of Pediatrics, Faculty of Medicine, Saitama Medical University, Saitama, Japan
- P-358 A case of infantile spasm with *KCNQ2* gene mutation
Koji Tominaga^{1,2,3}, Akito Watanabe^{1,3}, Kanako Kishimoto^{1,3}, Junpei Tanigawa^{1,3}, Yoshiko Iwatani^{1,2,3}, Shin Nabatame^{1,3}, Kuriko Shimono^{1,2,3}, Mitsuko Nakajima⁵, Mitsuhiro Kato⁴, Hirotomo Saito⁵, Naomichi Matsumoto⁵, Keiichi Ozono^{1,3}
1.Department of Pediatrics, Graduate School of Medicine, Osaka University, Suita, Japan, 2.United Graduate School of Child Developments, Osaka University, Suita, Japan, 3.Epilepsy Center, Osaka University Hospital, 4.Department of Pediatrics, Showa University School of Medicine, Tokyo, Japan, 5.Department of Human genetics, Yokohama city university Graduate School of Medicine, Kanagawa, Japan
- P-359 Four cases of neonatal hypoxic ischemic encephalopathy with total brain injury
Koichi Tanda¹, Yumina Sugawara¹, Sachiko Koshino², Katsumi Hayakawa³, Akira Nishimura¹
1.The Department of Neonatology, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan, 2.The Department of Radiology, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan, 3.Department of Radiology, Iwate Prefectural Kamaishi Hospital, Iwate, Japan
- P-360 Deep medullary vein involvement in neonates with apnea
Asami Ito¹, Yoshikazu Kitami², Naoko Okada³, Youji Ikuta⁴, Hiromi Suzuki¹, Ayaka Koide¹, Sunao Tomita¹, Sahoko Miyama¹
1.Department of Neurology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan, 2.Department of General Pediatrics, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan, 3.Department of Neonatology, Tokyo Metropolitan Children's Medical Center, Tokyo, Japan, 4.Department of Pediatrics, Showa General Hospital, Tokyo, Japan

P-361 Temporal change in EEG of neonatal seizure in an early stage

Yoshiyuki Watabe, Seito Hisamatsu, Ryota Kuribayashi, George Imataka, Osamu Arisaka (Department of Pediatrics, Dokkyo Medical University, Tochigi, Japan)

P-362 A case of term hypoxic-ischemic encephalopathy with unilateral cerebral imaging findings

Yoshitaka Oyama¹, Kuriko Nakamura², Ayako Yamamoto¹, Keiichiro Sugiyama¹, Mari Iwamoto¹

1.Department of Pediatrics, Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan, 2.Department of Neonatology, Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan

Poster Presentation

Poster Exhibition Hall

15:00-15:30

Malformation and chromosome aberration 1

Moderator: Keiko Shimojima (Tokyo Women's Medical University Institute for Integrated Medical Sciences(TIIMS))

P-363 A Case of 9q 31.1 q31.3 deletion with intellectual disability, fatty liver, and weight gain

Sayaka Ohta¹, Mariko Kasai¹, Konomi Shimoda¹, Yoko Mizuno¹, Atsushi Sato¹, Akira Oka¹, Masahi Mizuguchi²

1.The Department of Pediatrics, The University of Tokyo Hospital, Tokyo, Japan, 2.School of International Health, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

P-364 Levetiracetam was effective to control of breath-holding spell for a girl of 1p36 deletion syndrome

Akemi Ono¹, Hiromichi Ito¹, Yoko Abe¹, Tatsuo Mori¹, Yoshihiro Toda¹, Yasunobu Hayabuchi¹, Takuya Naruto², Issei Imoto², Syoji Kagami¹

1.Department of Pediatrics, Tokushima University, Tokushima, Japan, 2.Department of Human Genetics, Tokushima University, Tokushima, Japan

P-365 A case of arthrogryposis multiplex congenita with progressive brain atrophy caused by ZC4H2 gene

Yukimune Okubo^{1,2}, Wakaba Endo¹, Takehiko Inui¹, Yusuke Takezawa¹, Mai Anzai¹, Ryo Sato², Natsuko Ichinoi², Atsuo Kikuchi², Mitsugu Uematsu², Shigeo Kure², Kazuhiro Haginoya²

1.Department of Pediatric Neurology, Takuto Rehabilitation Center for Children, Sendai, Miyagi, Japan, 2.Department of Pediatrics, Tohoku University, Sendai, Japan

P-366 Two cases of Pitt-Hopkins syndrome with novel mutations on TCF4

Yoshiyuki Kobayashi^{1,2,3,4}, Hiro Tani¹, Yuji Fujii¹, Nobutsune Ishikawa¹, Masao Kobayashi¹, Yoko Hiraki², Akie Nakamura³, Nobuhiko Okamoto⁴

1.Department of Pediatrics, Hiroshima University Hospital, Hiroshima, Japan, 2.Hiroshima Municipal Center for Child Health and Development, Hiroshima, Japan, 3.Department of Molecular Endocrinology, National Research Institute for Child Health and Development, Tokyo, Japan, 4.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan

P-367 A case of chromosome 9 trisomy mosaicism not detected by conventional karyotyping method

Kanako Maiduru, Tomonari Awaya, Masatoshi Nakata, Takeshi Yoshida, Keiko Saito, Minako Ide, Atsushi Yokoyama, Takeo Kato (Kyoto University Hospital, Kyoto, Japan)

P-368 Medical management of Down syndrome with severe obesity and sleep apnea syndrome

Akiko Okumura, Tomiko Yamashita, Masaaki Kanai, Masayoshi Miura, Noboru Takizawa, Daijiro Shima (Department of Pediatrics, National ospital Organization Toyama Hospital, Toyama, Japan)

P-369 Acute heart failure due to left ventricular noncompaction in a patient with trisomy 13

Anri Hayashi, Tomohiro Kumada, Saeko Sasaki, Kenji Inoue, Mioko Mori, Fumihito Nozaki, Ikuko Hiejima, Minoru Shibata, Tatsuya Fujii (Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan)

P-370 A case of Poland-Mobius syndrome

Yoshimi Watanabe, Taku Omata, Yukiko Iida, Kazuo Kodama (the Department of Child Neurology, Chiba Children's Hospital, Chiba, Japan)

P-371 ALDH18A1-related cutis laxa : the first Japanese case

Saeko Sasaki¹, Fumihito Nozaki¹, Nobuhiko Okamoto², Kenjiro Kosaki⁵, Fuyuki Miya^{3,4}, Tatsuhiko Tsunoda^{3,4}, Tomohiro Kumada¹, Minoru Shibata¹, Ikuko Hiejima¹, Anri Hayashi¹, Mioko Mori¹, Kenji Inoue¹, Tatsuya Fujii¹

1.Department of Pediatrics, Shiga Medical Center for Children, 2.Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan, 3.Laboratory for Medical Science Mathematics, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan, 4.Department of Medical Science Mathematics, Medical Research Institute, Tokyo Medical and Dental University, Tokyo, Japan, 5.Center for Medical Genetics, Keio University School of Medicine, Tokyo, Japan

P-372 Clinical analysis of macrocephaly in our department

Hirofumi Kurata, Tetsuya Okazaki, Kouyou Oono, Youko Nishimura, Yoshiaki Saitou, Yoshihiro Maegaki (Division of child neurology, Institute of Neurological Sciences, Faculty of medicine, Tottori University, Yonago, Japan)

P-373 MECP2 duplication syndrome with ichthyosis and regression due to pericentric X-chromosome inversion

Hideki Shimomura¹, Jyunji Mine¹, Tomoko Tamaoki-Hashimoto^{2,3}, Yasuhiro Takeshima^{1,2}

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Poster Presentation

Poster Exhibition Hall

15:00-15:30

Malformation and chromosome aberration 2

Moderator: Gaku Yamanaka (Department of Pediatrics, Tokyo Medical University)

P-374 The clinical study of epilepsy in trisomy 18

Ayaka Hirasawa¹, Yu Tsuyusaki^{1,2}, Yoshihisa Oishi¹, Atsushi Nakao³, Seiji Aso¹

1.The Department of Pediatrics, Japanese Red Cross Medical Center, Tokyo, Japan, 2.Division of Neurology, Kanagawa Children's Medical Center, Yokohama, Japan, 3.The Department of Neonatology, Japanese Red Cross Medical Center, Tokyo, Japan

P-375 A case of a girl with *WDR45* mutation presented developmental delays and white matter abnormalities

Takao Hoshina¹, Toshiyuki Seto¹, Kanako Yamashita¹, Satoru Sakuma¹, Haruo Shintaku¹, Tarou Shimono², Kyouko Morimoto³, Masumi Seto³, Toshiyuki Yamamoto⁴, Hirotomo Saito⁵, Naomichi Matsumoto⁵

1.Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan, 2.Department of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine, Osaka, Japan, 3.Saiseikai Senri Hospital, Osaka, Japan, 4.Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo, Japan, 5.Department of Human Genetics, Graduate School of Medicine, Yokohama City University, Yokohama, Japan

P-376 De novo TBL1XR1 mutation in a patient with Kabuki syndrome-like features

Rika Kosaki (National Center for Child Health and Development, Tokyo, Japan)

P-377 Two cases of interstitial deletion of the long arm of chromosome 4

Mina Kono, Hiroto Akaike, Atsushi Kato, Eisuke Kondo (The Department of Pediatrics, Kawasaki Medical School Hospital)

P-378 Two autopsy cases of Cockayne syndrome

Daisuke Ieda¹, Ikumi Hori¹, Eriko Nakajima¹, Yutaka Negishi¹, Kana Fujii², Ayako Hattori¹, Naoki Ando¹, Hiroshi Inagaki², Shinji Saitoh¹

1.Department of Neonatology and Pediatrics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2.Department of Pathology and Molecular Diagnostics, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan

P-379 West syndrome in child with Mowat-Wilson syndrome

Yoshimichi Hirayama (Department of Pediatrics Naha city hospital, Okinawa, Japan)

P-380 Effectiveness of Hangekobokuto for dysphagia in a patient with ring chromosome 22

Michiko Makino, Keiko Akahoshi, Toshihide Shiiki, Masuko Funahashi (Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan)

P-381 Clinical consideration of six cases of Angelman syndrome

Kengo Moriyama¹, Shinpei Baba¹, Kazue Kimura², Yuji Sugawara^{1,3}

1.The Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan, 2.Neurological Clinic for Children, Tokyo, Japan, 3.Soka Municipal Hospital

P-382 A case of Joubert syndrome with hepatic fibrosis due to a mutation in INPP5E

Noriko Sawaura, Kazuhiro Muramatsu, Nishiki Makioka, Tomomi Ogata, Hirokazu Arakawa (Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma, Japan)

P-383 A case of hyperphosphatasia-mental retardation syndrome (PGAP3 deficiency) without FACS abnormalities

Tomonari Awaya¹, Yoshiko Murakami², Kanako Maizuru¹, Atsushi Yokoyama¹, Takeo Kato¹, Taro Kinoshita²

1.Department of Pediatrics, Kyoto University Hospital, Kyoto, Japan, 2.Osaka University Immunology Frontier Research Center

P-384 Symptomatic epilepsy with chromosome aberration : two case reports

Shigeto Matsumaru, Akiko Takeshita, Hidetsugu Nakatsukasa, Yumi Tani, Yasushi Itou, Kyouko Hirasawa, Hirokazu Oguni, Satoru Nagata (Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan)