The 52nd Annual Meeting of Japanese Society of Child Neurology

May 20-22, 2010
Fukuoka International Congress Center, Japan

PROGRAM
Thursday May 20, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Room A</th>
<th>Room B</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Opening Ceremony</td>
<td>SF 501 International Conference Room</td>
<td>SF Meeting Rooms 502-503</td>
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<tr>
<td>9:00</td>
<td>Rett Syndrome: The state of clinical and basic research after 22 years of experience, and future perspectives</td>
<td>Invitation to the Organizers Program</td>
<td>Luncheon Seminar 1</td>
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<tr>
<td>10:00</td>
<td>Rett Syndrome and MECP2 – Status of Knowledge 10 Years after the Gene</td>
<td>Luncheon Seminar 2</td>
<td>Developmental Disorders 3</td>
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<tr>
<td>11:00</td>
<td>Physiological functions of ghrelin, a growth hormone releasing and appetite stimulating hormone</td>
<td>Didactic Lecture 1</td>
<td>Didactic Lecture 2</td>
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<tr>
<td>12:00</td>
<td>What I learned from muscular dystrophy research</td>
<td>Symposium 1</td>
<td>Invited Lecture 2</td>
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<tr>
<td>13:00</td>
<td>New Horizons in Neuroprotection of the Newborn: Cooling is just the Beginning</td>
<td>Didactic Lecture 2</td>
<td>Developmental Disorders 1</td>
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<tr>
<td>14:00</td>
<td>In Order to Overcome Perinatal Brain Injury: Across the Borders of Specialities</td>
<td>Symposium 2</td>
<td>Developmental Disorders 2</td>
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<tr>
<td>15:00</td>
<td>The science of sleep: good sleep is essential for the healthy development of children</td>
<td>Symposium 3</td>
<td>Developmental Disorders 3</td>
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<tr>
<td>16:00</td>
<td>Transfer to the reception venue</td>
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<td>Reception</td>
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Luncheon Seminar 1:
12:00-12:50
Room B
Chair: MAKIKO KAGA

Didactic Lecture 1:
13:00-13:45
Room B
Chair: YUKO OHTSUKA

Invited Lecture 2:
13:45-14:30
Room A
Chair: TAKASHI KITASHIMA

Symposium 2:
14:30-16:20
Room B
Chair: KOICHI KAWAMURA

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<tr>
<th>Time</th>
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Reception
Venue: Hotel Nikko Fukuoka (3F Tsukushi no ma)
19:00-21:00
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<thead>
<tr>
<th>Time</th>
<th>Room D 4F Meeting Room 411-412</th>
<th>Room E 4F Meeting Room 413-414</th>
<th>Room F 4F Meeting Room 419-410</th>
<th>Room G 2F Multi-purpose Hall</th>
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<td>13:00</td>
<td>Epilepsy - Seizure Disorders 1</td>
<td>Acute Encephalitis-Encephalopathy 1</td>
<td>Genetics 1</td>
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<td>(O-015 - O-019)</td>
<td>(O-035 - 0-041)</td>
<td>(O-046 - 0-048)</td>
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<td>Chair: YUKO OHSHIMA</td>
<td>Chair: MAKASHI MIYASUCHI</td>
<td>Chair: TAKEO KUBOTA</td>
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<td>Chair: YOSHIRO MAZAKI</td>
<td>Chair: JUNICHI TAKASASHI</td>
<td>Chair: SHINJI SATOHI</td>
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<td>14:00</td>
<td>Epilepsy - Seizure Disorders 2</td>
<td>Acute Encephalitis-Encephalopathy 2</td>
<td>Genetics 2</td>
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<td>(O-060 - 0-063)</td>
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<td>Chair: YOSHIRO NAGAI</td>
<td>Chair: MAKASHI SHIMIZO</td>
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<td>Chair: SAWA YASUMOTO</td>
<td>Chair: SHINICHI HAMANO</td>
<td>Chair: HIRONICHI NISHI</td>
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<td>15:00</td>
<td>Epilepsy - Seizure Disorders 3</td>
<td>Acute Encephalitis-Encephalopathy 3</td>
<td>Metabolic Disorders 1</td>
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<td>(O-026 - 0-034)</td>
<td>(O-046 - 0-054)</td>
<td>(O-086 - 0-089)</td>
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<td>Chair: TAKASHI ICHIYAMA</td>
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<td>9:00</td>
<td>Special Lecture 3</td>
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<td>Cervical Palsy - Care 3</td>
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<td></td>
<td>A humanoid model mouse for autism towards the development of child neurology</td>
<td>9:00-10:00</td>
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<td>Chair: MARIKO MOMOE</td>
<td>(O-075 - O-083)</td>
<td>Chair: SHINJI FUSHIKI</td>
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<td>Chair: TATEO SUIMIOTO</td>
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<tr>
<td>10:00</td>
<td>Symposium 3</td>
<td>Workshop 1</td>
<td>Cervical Palsy - Care 4, Psychiatric &amp; Behavioral Disorders</td>
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<td>Neurovascular disorders in children: state-of-the-art molecular research and the forefront of the treatment</td>
<td>9:00-10:00</td>
<td>10:30-12:00</td>
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<td>Chair: KOUSAKU OMINO</td>
<td>What the psychologist should be in medical field?</td>
<td>(O-084 - O-092)</td>
<td>Chair: SHINICHI NIIJIMA</td>
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<td>Chair: HIDEO SUGIE</td>
<td>Chair: YUKIO KONISHI</td>
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<td>The neurological study of ADHD: focus on brain imaging and genetic studies</td>
<td>11:00-12:00</td>
<td>(O-093 - O-098)</td>
<td>Chair: TOSHIO ARIGA</td>
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<td>BUNG-NYUN KIM</td>
<td>Chair: MAKIKO KAGA</td>
<td>Chair: TOSHIRO KATO</td>
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<td>Lunchen Seminar 6</td>
<td>Lunchen Seminar 7</td>
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<td>Didactic Lecture 3</td>
<td>English Session 1</td>
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<td>iPS and transgenic non-human primate technologies as a model to study neurological diseases</td>
<td>Invited Lecture 4</td>
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<td>Chair: TAKAO TAKAHASHI</td>
<td>JSCN Award for Asia Young Investigator</td>
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<td>Chair: HIDEYUKI OKANO</td>
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<td>Asian Oceanian Child Neurology International Didactic Program</td>
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<td>Workshop 2</td>
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<td>English Session 2</td>
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<td>Brain death of infants and children</td>
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<td>Chair: MASAHIRO MAVOZU</td>
<td>12:10-12:35</td>
<td>(O-099 - O-104)</td>
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<td>12:10-12:35</td>
<td>Chair: MITSUHIRO KATO</td>
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<td>JSCN General Assembly</td>
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<td>Presentation of JSCN Awards to Outstanding Young Investigators</td>
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<td>8:00</td>
<td>Morning Didactic Seminar 1</td>
<td>Morning Didactic Seminar 2</td>
<td>Morning Didactic Seminar 3</td>
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<td>MASUMI INAGAKI</td>
<td>MITSUKI KAWAI</td>
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<td>Chair: MAKIKO OSAWA</td>
<td>Chair: HIROSA SUIGE</td>
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<td>9:00</td>
<td>Developmental Disorders 7</td>
<td>Epilepsy- Seizure Disorders 4</td>
<td>Acute Encephalitis-Encephalopathy 7</td>
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<td>(O-105 - O-138)</td>
<td>(O-135 - O-138)</td>
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<td>Chair: MASAHITO MIYAZAKI</td>
<td>Chair: SHINICHI HIROSE</td>
<td>Chair: MASAUMI MORIMOTO</td>
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<td>Chair: AKIHITO YASHIWARA</td>
<td>Chair: YUKITOSHI TAKAHASHI</td>
<td>Chair: SATOKO KUMADA</td>
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<td>10:00</td>
<td>Developmental Disorders 8</td>
<td>Epilepsy- Seizure Disorders 7</td>
<td>Acute Encephalitis-Encephalopathy 8</td>
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<td>(O-110 - O-115)</td>
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<td>(O-178 - O-182)</td>
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<td>Chair: YUHIRO YAMASHITA</td>
<td>Chair: OSHIRO KANAZAWA</td>
<td>Chair: HIDEO YAMANOUCHI</td>
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<td>Chair: TAIKU MIYAZAKI</td>
<td>Chair: KITAM SAYASHI</td>
<td>Chair: ATSUMI ISHIMOTO</td>
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<td>11:00</td>
<td>Learning Disabilities</td>
<td>Lunches Seminar 8</td>
<td>Acute Encephalitis-Encephalopathy 9</td>
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<td>(O-116 - O-122)</td>
<td>Lunches Seminar 9</td>
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<td>Chair: MASATOMI MYAO</td>
<td>Lunches Seminar 10</td>
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<td>Chair: EDI WAKAMATA</td>
<td>Chair: YOKO OHITSUKA</td>
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<td>Chair: KOSHI YAMANO</td>
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<td>Developmental Disorders 9</td>
<td>Muscular Disease 2</td>
<td>Neuroimaging 3</td>
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<td>(O-123 - O-126)</td>
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<td>Muscular Disease 3</td>
<td>Neuroimaging 4</td>
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<td>Chair: NOHITADA TACHI</td>
<td>Chair: HITOSHI YAMANOUCHI</td>
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**Posters Session**

10:30-10:25

**Poster Removation**
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Morning Seminar</td>
<td>Morning Didactic Seminar 4</td>
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<td>8:00-9:00</td>
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<td>TOSHIO HARA</td>
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<td>NAOKI ANDO</td>
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<td>TATSURO JUIME</td>
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<td>Chair: MITSUE FUJITA</td>
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<td>9:00</td>
<td>Symposium 4</td>
<td>Symposium 5</td>
<td>Infection–Autoimmune Disease 5</td>
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<td>8:00-11:00</td>
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<td>(O-195 – O-199)</td>
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<td></td>
<td>Meaning and problem of a child development cohort study</td>
<td>The clinical and research fronts of acute encephalopathy</td>
<td>Chair: TAKASHI ICHIHARA</td>
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<td>Chair: HIDEAKI KOZUMI</td>
<td>Chair: TAKASHI ICHIHARA</td>
<td>Chair: JOH-ICHI TAKASASHI</td>
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<td>Chair: ZENTARO YAMAGATA</td>
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<td>Neurotransmitter disease with childhood onset – Focusing on Segawa disease</td>
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<td>Chair: NAOYUKI TANUMA</td>
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<td>MASAYA SEGAWA</td>
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<td>Chair: HARUO SHINTAKU</td>
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<td>Closing Ceremony</td>
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<td>14:00</td>
<td>Public Forum</td>
<td>Educational seminar2</td>
<td>The 5th Meeting of the Japanese Society for</td>
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<td>13:00-15:20</td>
<td>Let’s start 5 year-old-checkup: what do we learn from the pioneers?</td>
<td>Children’s Myasthenia Gravis</td>
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<td>Are developmental disorders increasing now? – Analysis of present status and opinions for the future</td>
<td>Chair: TAKASHI HAYASHI</td>
<td>Chair: MASATOMO HAYASHI</td>
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<td>Chair: ASAYO ISHIKARI</td>
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<td>Special Lecture MASAYA SEGAWA</td>
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<td>Morning Didactic Seminar 5</td>
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<td>9:00</td>
<td>Congenital Anomaly • Chromosomal Abnormality 3</td>
<td>Sleep-Circadian Rhythm</td>
<td>Involuntary Movement • Basal Ganglia 2</td>
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<td>9:00-10:10 (O-212 - O-218)</td>
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<td>Chair: KAZU KIMURA</td>
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<td>Noon 2</td>
<td>Development 2</td>
<td>PC Movie 1</td>
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<td>10:10-11:20 (O-219 - O-228)</td>
<td>10:00-11:30 (O-238 - O-241)</td>
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<td>Morphology • Pathology 2</td>
<td>Vascular Disease 2, Tumor 2</td>
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<td>11:10-12:00 (O-226 - O-229)</td>
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<td>Chair: SEiGO KOREMATSU</td>
<td>Chair: ShUji WAKAi</td>
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### Poster Session: Thursday May 20, 2010

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### Poster Session: Friday May 21, 2010

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Poster removal

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Presidential Lecture

Rett syndrome: The state of clinical and basic research after 22 years of experience, and future perspectives
TOYOJIRO MATSUISHI* Department of Pediatrics and Child Health Kurume University School of Medicine

Keynote Lecture

What I learned from muscular dystrophy research
IKUYA NONAKA* National Center Hospital of Neurology and Psychiatry

Special Lecture 1

Physiological functions of ghrelin, a growth hormone releasing and appetite stimulating hormone
MASAYASU KOJIMA* Molecular Genetics, Institute of Life Science, Kurume University

Special Lecture 2

New Horizons in Neuroprotection of the Newborn: Cooling is just the Beginning
NICOLA J ROBERTSON* Translational Neonatal Medicine, Institute for Women’s Health, University College London, UK

Special Lecture 3

A humanoid model mouse for autism towards the development of child neurology
TORU TAKUMI* Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima

Invited Lecture 1 (Segawa Program)

Rett Syndrome and MECP2 - Status of Knowledge 10 Years after the Gene
UTA FRANCKE* Departments of Genetics and Pediatrics, Stanford University School of Medicine, Stanford, California, USA

Invited Lecture 2

Parenting and Sleep in Early Childhood
AVI SADEH* The Adler Center for Research in Child Development and Psychopathology, Department of Psychology, Tel Aviv University, Tel Aviv, Israel

Invited Lecture 3

The Neurobiological Studies of ADHD -Focus on Brain Imaging and Genetic Studies-
BUNG-NYUN KIM* Division of Child & Adolescent Psychiatry, Department of Psychiatry, Clinical Research Institute, Seoul National University Hospital, College of Medicine, Seoul National University, Seoul, Korea
Didactic Lecture 1
Frontline in the Treatment of Dystonias
TAKAOMI TAIIRA*
Department of Neurosurgery, Tokyo Women’s Medical University

Didactic Lecture 2
Neurobiological and behavioral consequences of exposure to childhood traumatic stress
AKEMI TOMODA*
Department of Child Development, Faculty of Medical and Pharmaceutical Sciences Kumamoto University, Kumamoto

Didactic Lecture 3
iPS and transgenic non-human primate technologies as a model to study neurological diseases
HIDEYUKI OKANO*
Department of Physiology, Keio University School of Medicine, Tokyo

Didactic Lecture 4
Neurotransmitter disease with childhood onset – Focusing on Segawa disease-
MASAYA SEGAWA*
Segawa Neurological Clinic for Children

Symposium 1
In Order to Overcome Perinatal Brain Injury: Across the Borders of Specialities
Aquaporin water channel from basic science to clinical medicine, roles in brain edema
MASATO YASUI*
Department of Pharmacology School of Medicine, Keio University, Tokyo

Gap between MRI and histology: How far and how could it be filled?
OSUKE IWATA*
Center for Developmental & Cognitive Neuroscience, Department of Pediatrics & Child Health; Centre for Perinatal Brain Research, Institute for Women's Health, University College London, UK

Stem cell therapy for CNS diseases: Can it save babies with brain injuries?
YOSHIKI SATO**, KEIKO NAKANISHI², ATSUKO OOHIRA², KLAS BLOMGREN¹, TETSUO HATTORI¹, MASAHIRO HAYAKAWA¹
¹Maternity & Perinatal Care Center Nagoya University Hospital, Nagoya
²Department of Perinatology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi
³Research Complex for the Medicine Frontiers, Aichi Medical University, Nagakute, Aichi
⁴Center for Brain Repair and Rehabilitation, Institute of Neuroscience and Physiology, University of Gothenburg, Sweden

Perinatal brain damage from obstetrical point of view
TOMOAKI IKEDA*
Department of Perinatology, National Cardiovascular Center, Suita

The relationship of perinatal and home care of handicapped children
HIROSHI OZAWA*
Department of Pediatrics, Shimada Ryoiku Center
Symposium 2
The science of sleep: good sleep is essential for the healthy development of children

Molecular Mechanism of sleep-wake regulation
YOSHIHIRO URADE*
Molecular Behavioral Biology, Osaka Bioscience Institute

Physiological basis for sleep and circadian rhythm regulation
KAZUHIKO KUME*
Institute of Molecular Embryology and Genetics, Kumamoto University, Kumamoto

Current status of child sleep - Results of the pilot study and the cohort study
MIZUE IWASAKI†1, TOYOJIRO MATSUISHI†2
1Research Institute of Science and Technology for Society, Japan Science and Technology Agency, Tokyo
2Department of Pediatrics and Child Health, Kurume University School of Medicine

Sleep disorders in children: diagnosis & treatment
NAOHISA UCHIMURA*
Department of Neuropsychiatry, Kurume University School of Medicine

Symposium 3
Neuromuscular disorders in children: state-of-the-art molecular research and the forefront of the treatment

Channelepsy (epilepsy resulting from channel dysfunction): Molecular pathomechanisms and potential clinical applications
SHINICHI HIROSE†
Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka

Advances of Molecular Therapy Research on Dystrophin-deficient Muscular Dystrophy
SHIN’ICHI TAKEDA*
Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry

Frontline of research and intervention on mitochondrial disorders
YASUTOSHI KOGA*
Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume

Molecular Genetics of Charcot-Marie-Tooth disease - Prospects to the treatment
HIROSHI TAKASHIMA*
Department of Neurology and Geriatrics, Kagoshima University, Graduate School of Medical and Dental Sciences, Kagoshima

Symposium 4
Meaning and problem of a child development cohort study

The reason why cohort study is opened
HIDEAKI KOIZUMI*
Japan Science and Technology Agency

What can neuroimaging do for developmental cohort study?
NORIHIRO SADATO*
National Institute for Physiological Sciences, Okazaki
Significance of Neurobehavioural Observation revealed in the Japan Children's Study
KIYOTAKA TOMIWA*1,2
1Genetic Counseling and Clinical Research Unit, Graduate School of Medicine, Kyoto University, Kyoto
2Osaka Research Group, JST Japan Children's Study, Osaka

Prediction of future social development of infants by direct observation of their behaviors
YOICHI SAKAKIHARA*, YOKO ANJI
Research Center for Human Development and Education, Ochanomizu University

Developmental Trajectory of Children in the Japan Children's Study
TATSUYA KOEDA*1,2,3, AYUMI SEKI1,2,3, ARIKO TAKEUCHI4
1 Department of Regional Education, Faculty of Regional Sciences, Tottori University, Tottori
2 Research Institute of Science and Technology for Science, Tokyo
3 National Hospital Organization, Tottori Medical Center, Tottori
4 Watanabe Hospital, Tottori

Identification of implications for a large scale cohort study on child sociability
ZENTARO YAMAGATA*
Department of Health Sciences, Inter disciplinary Graduate School of Medical and Engineering, University of Yamanashi

Symposium 5
The clinical and research fronts of acute encephalopathy

Latest information on influenza-associated encephalopathy
MASASHI MIZUGUCHI*
Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo, Tokyo

Clinical and radiological features of acute encephalopathy in Japanese children
JUN-ICHI TAKANASHI*
Department of Pediatrics, Kameda Medical Center, Kamogawa

EEG in children with acute encephalopathy
AKIHISA OKUMURA*
Department of Pediatrics, Juntendo University School of Medicine, Tokyo

Pathophysiology and therapeutic strategy
TAKASHI ICHIYAMA*
Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi

Workshop 1
What the psychologist should be in medical field?

Collaboration between medical-care institution and psychology: Proposal by the Science Council Japan
TOSHIKAZU HASEGAWA*
The Department of Life Sciences, Graduate School of Arts and Sciences, University of Tokyo, Tokyo

Psychologist in Neurology
HIDENAO FUKUYAMA*
Human Brain Research Center, Kyoto University Graduate School of Medicine, Kyoto

The role of psychologist in psychiatric care and its issues of national certification
TADAHIKO SATOH*
Sakuragaoka Memorial Hospital, Tokyo
Workshop 2
Brain death of infants and children

Introduction
MASASHI MIZUGUCHI
Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo, Tokyo

Guidelines for the Determination of brain death in children in Japan
TOSHIKAI ABE*, YASUKO KUSAKA
Jikei University School of Medicine, Tokyo

EEG of brain death determination in children
HIDEHARU KARASAWA*
Department of Neurosurgery, Funabashi Municipal Medical Center, Chiba

Diagnostic manual for the exclusion of abused and/or neglected children from donors in brain death
FUJIKO YAMADA 1,2
1Sangenkai Yamada Clinic, Isehara, Kanagawa
2Child Maltreatment Prevention Network, Isehara, Kanagawa

The problems of chronic brain death in history
TATEO SUGIMOTO*
SUGIMOTOS BARNKLINIK, Sasayama

Morning Didactic Seminar 1
Introduction of practical guideline for specific developmental disorders: Diagnosis and intervention for developmental dyslexia and mathematics disorder
MASUMI INAGAKI*
Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo

Morning Didactic Seminar 2
What clinicians must do for development of therapeutic drugs of rare diseases - Patient database Remudy
MITSURU KAWAI1, HARUMASA NAKAMURA2, MADOKA MORI2, HIROFUMI KOMAKI3, KANAKO GOTO4, YU MATSUDA5, YUKIKO HAYASHI6, ICHIZO NISHINO7, TSUYOSHI MATSUMURA8
1Department of Neurology, NHO Higashisaitama National Hospital, Hasuda
2Department of Neurology, National Center Hospital of Neurology and Psychiatry, NCNP, Kodaira
3Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, NCNP, Kodaira
4Department of Neuromuscular Research, National Institute of Neuroscience, NCNP, Kodaira
5Department of Neurology, NHO Toneyama National Hospital, Toyonaka

Morning Didactic Seminar 3
Collaborative investigation supported by the Japanese Society of Child Neurology
Retrospective diagnosis and clinical features of congenital cytomegalovirus infection using dried umbilical cords
MITSUGU UEMATSU*
Department of Pediatrics, Tohoku University School of Medicine
Molecular genetic analysis of the pathogenesis of acute encephalopathy
MASASHI MIZUGUCHI1, SACHIO TAKASHIMA2,3, HIDEO YAMANOUCHI4,
MASAYUKI ITOH5, MASASHI SHIOMI6, MASAYA KUBOTA7
1Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo, Tokyo
2International University of Health and Welfare
3Yanagawa Institute for Development Disabilities
4Saitama Medical University, Moroyama
5National Institute of Neuroscience, NCNP, Kodaira
6Osaka City General Hospital, Osaka
7National Center for Child Health and Development, Tokyo

Clinical evidence of medical treatment for status epilepticus in childhood using intravenous injection of phanobarbital
GEORGE IMATAKA1, HIDEO YAMANOUCHI2
1Department of Pediatrics, Dokkyo Medical University, Tochigi
2Department of Pediatrics, Saitama Medical University

Towards the diagnosis and therapy of congenital hypomyelinating leukodystrophy
KEN INOUE1, HITOSHI OSAKA2, KENJI KUROSAWA2, JUNICHI TAKANASHI3,
TOSHIYUKI YAMAMOTO4, AKIKO IWAKI5
1Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo
2Kanagawa Children's Medical Center, Yokohama
3Pediatrics, Kameda Medical Center, Kamogawa
4IREIIMS, Tokyo Women's Medical University, Tokyo
5Medical Institute of Bioregulation, Kyushu Univ. Fukuoka

The present situation of children with severe psycho-motor disabilities and their parents
HIROSHI OZAWA*
The department of Pediatrics, Shimada Ryoiku Center

Morning Didactic Seminar 4
Latest knowledge of microbiology and immunology necessary for pediatric neurologists
TOSHIRO HARA*
Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka

Morning Didactic Seminar 5
Pediatric Neuroradiology: The Art of Neuroimaging
HIDETSUNA UTSUNOMIYA1,2
1Radiological Sciences, International University of Health and Welfare, Graduate School, Fukuoka
2Department of Radiology, Fukuoka Sanno Hospital, Fukuoka

Morning Seminar
Diagnosis and treatment about pediatric migraine
NAOKI ANDO*
Department of Pediatrics and Neonatology, Nagoya City University, Graduates School of Medical Sciences, Nagoya
Luncheon Seminar 1

Korean ADHD Treatment Experiences Using OROS-MPH and Atomoxetine

BUNG-NYUN KIM*
Division of Child & Adolescent Psychiatry, Department of Psychiatry, Clinical Research Institute, Seoul National University Hospital, College of Medicine, Seoul National University, Seoul, Korea

Luncheon Seminar 2

Strategy of AED therapy with a viewpoint of the long-term treatment -role of lamotrigine-

HIDEMOTO KUBOTA*
National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka

Luncheon Seminar 3

Challenge of pediatric nutritional therapy and the solution

YOSHIKI TANAKA*
Department of Pediatric Surgery, Kurume University School of Medicine, Fukuoka

Luncheon Seminar 4

Recent management of status epilepticus in children

KENJI SUGAI*
Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, Kodaira

Luncheon Seminar 5

Childhood glycogenoses with muscle symptoms: Diagnosis and treatment

IKUYA NONAKA*
National Center Hospital of Neurology and Psychiatry

Luncheon Seminar 6

What do we expect from the pharmacological treatment of AD/HD? – Seven-year-experience of Atomoxetine treatment-

AKIKO ARAKI*
The Department of Pediatrics, Asahikawa Medical College, Asahikawa

Luncheon Seminar 7

Botulinum toxin in the management of cerebral palsy

ATSUO NEZU*
Clinic of Child Neurology, Yokohama Residential Care and Medical Centre for Developmentally Disabled Person, Yokohama

Luncheon Seminar 8

Antiepileptic drug therapy in patients with pediatric intractable epilepsy -evidence in national epilepsy center-

YUKITOSHI TAKAHASHI*
National Epilepsy Center, Shizuoka
Luncheon Seminar 9
Neurodevelopmental Effects of Antiepileptic Drugs
KIMFORD J. MEADOR*
Professor of Neurology and Director of Epilepsy at Emory University, Atlanta, Georgia, USA

Luncheon Seminar 10
Perspective for daily life of children with epilepsy
AKIRA OKA*
Department of Pediatrics, Kyorin University, Tokyo

Evening Seminar 1
Safe and comfortable life in my hometown for severely disabled children: Short stay and respite stay
Respite Care for Technology-Dependent Children
AKIHKO TAKAHASHI*
Hibari Clinic, Utsunomiya

The social hospitalization in the children's hospital
YASUHISA TORIBE1,2
1The Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi
2Division of Home Care Support, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi

Safety net for SMIDs in their home life: In Case of National Hospital Organization
SHUICHI ISHIDA*
National Hospital Organization Matsumoto Medical Center Chushinmatsumoto Hospital Department of Pediatrics

Problems with short-term admission in medical centers for persons with developmental/multiple disabilities
YUJI IWASAKI*
Tokyo Metropolitan Tobu Medical Center for Persons with Developmental/Multiple Disabilities

Evening Seminar 2
The 4th Child Sleep Study Group Meeting

The preparation for polysomnography - a new approach to PSG for children with developmental disorder -
EMI MURATA1, KUMI KATO1,2
1Molecular Research Center for Children's Mental Development Osaka University, Osaka, Japan
2Ota Memorial Sleep Center, Kanagawa

The effect of the week-long actigraphic sleep-wake rhythm of infants
YOKO ASAKA1, SATOSHI TAKADA2
1Konan Women's University Faculty of Nursing and Rehabilitation
2Kobe University Graduate School of Health Sciences

Child sleep of heart rate variability analysis by complex demodulation method
NOBORU OHKI*
NoruPro Light Systems, Inc, Tokyo
A 14-year-old girl suspected of confusional arousal
NAKA SAITO*, JUN KOHYAMA
1Department of Pediatrics, Shonai Hospital
2Tokyo Bay Urayasu/Ichikawa Medical center
3Tokyo Kita Shakai Hoken Hospital

A case of recurrent hypersomnia
SHIGEYUKI MATSUZAWA*, SEIKI TAJIMA, KAZUMI TAKAI, TERUHISA MIIKE
Hyogo Children’s Sleep and Development Medical Research Center, Hyogo Prefectural Rehabilitation Center

Establishment of sleep-wakefulness cycle by modulating photic environment and parent-child relationship
MIYUKI TAKANO*, TAKAKO JODOI, JUNKO KAWATANI, AKEMI TOMODA
1Heisei College of Music, Kumamoto
2Department of Child Development, Faculty of Medical and Pharmaceutical Sciences, Kumamoto University

Epidemiological study of pediatric sleep disorders in Japanese children by using Japanese children's sleep questionnaire
KUMI KATO*, SACHIKO SHIMIZU, YUKO OHNO, IKUKO MOHRI, FUJIKO TSUJI
1Molecular Research Center for Children's Mental Development, Osaka University Graduate School of Medicine, Osaka
2Ota Memorial Sleep Center, Kanagawa
3Laboratory of Mathematical Health Sciences, Division of Health Sciences, Osaka University Graduate School of Medicine, Osaka
4Osaka University United Graduate School of Child Development, Osaka
5Sakai City Child and Youth Affairs Bureau, Child-raising Support Department, Osaka
6Higashi-Osaka City Public Health Center, Osaka

Introduction of the activity of Asia Pacific Pediatric Sleep Alliance (APPSA)
JUN KOHYAMA*
Department of Pediatrics, Tokyo Bay Urayasu/Ichikawa Medical Center

Evening Seminar 3
Treatment of status epilepticus in children with intravenous phenobarbital injection
Treatments of intravenous phenobarbital in our hospital
YUSAKU MIYAMOTO*, HITOSHI YAMAMOTO
Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki

Successive treatment by intravenous phenobarbital
YOSHIKI WATANABE*, MASAKO FUKUSHIMA, YOKO OHTSUKA
The Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama

Experience of the intravenous phenobarbital therapy in Saitama Medical University
TETSURO SAKAI*, HIDEO YAMANOUCHI
Department of Pediatrics, Saitama Medical University, Saitama

Efficacy and safety of intravenous phenobarbital for status epilepticus and frequent seizures in children
KENJIRO KIKUCHI*, SHIN-ICHIRO HAMANO
Division of Neurology, Saitama Children's Medical Center, Saitama
Dosage of intravenous phenobarbital for clustered status epilepticus in epilepsy
KENJI SUGAII
Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, Kodaira

Experience of intravenous injection of phenobarbital and problem of clinical research with multi facilities
GEORGE IMATAKAII
The Department of Pediatrics, Dokkyo Medical University

The role of intravenous Phenobarbital in the treatment guideline of status epilepticus in children
KITAMI HAYASHIII
Department of Pediatrics, Tokyo Women's Medical University, Yachiyo Medical Center

Evening Seminar 4
New examination for infants using perceptual and cognitive task
SO KANAZAWA*
Department of Psychology, Japan Women's University, Kanagawa

The Assessment of the Digital Test in Periodic Infantile Health Examination
YASUSHI FUJIIT, KAORI AMAKATAJ
1Graduate School of Teacher Education, Teikyo University, Tokyo
2Department of Pediatrics, Faculty of Medicine, Teikyo University, Tokyo

Cognitive psychological studies of visual attention for children with developmental disorders
YUKO HIBIT, TAKATSUNE KUMADAJ, SO KANAZAWAII, MASAMI YAMAGUCHIIV, KAORU KONISHIV
1Department of Humanities and Social Sciences, Shizuoka Eiwa Gakuin University, Shizuoka
2National Institute of Advanced Industrial Science and Technology, Tsukuba
3Japan Women's University, Kanagawa
4Chuo University, Tokyo
5General Center for the Mentally, Physically and Auditory Disabled, Sunflower Institution, Saitama

Evening Seminar 5
Botulinum toxin therapy for cerebral palsy -Clinical Discussion for the updated consensus on the treatment for leg spasticity

Experience of botulinum toxin therapy for spastic diplegia and hemiplegia children
NAOKO YOSHIDAA
St. Joseph Medical Center for People with Handicap

Botulinum toxin-A therapy for spasticity in lower extremities in children with cerebral palsy
MASAO ADACHIII
Department of Pediatrics, Kakogawa Municipal Hospital

Long term effects of botulinum toxin A on pes equinus in children with cerebral palsy
ATSUO NEZU, HARUHIKO AYAMA, KUMIKO KARASAWA, HIROKO IWAMOTO, YURI CHIKUMARU,
KAORI KANEKO, MAKIKO KUROSAWA, TAKIKO MATSUO
Clinic of Child Neurology, Yokohama Residential Care and Medical Centre for Developmentally Disabled Person,
Yokohama

Botulinum Toxin A Therapy for Lower Extremity Spasticity in Children with Cerebral Palsy
YASUHIKO TAKAHASHI
Pediatrics, Kyushu Kouseinenkin Hospital, Kitakyushu
Comments
MEGUMU TOJO*
Department of Pediatrics, Niigata Prefecture Hamagumi Medical Rehabilitation Center for Handicapped Children

2010 JSCN Award for Asia Young Investigator
Comparison of Sequential Organ Failure Assessment Score and Pediatric Multiple Organ Dysfunction Score (MODS) in the Prediction of ICU Outcome
NAVIN MISHRA*
Department of Pediatrics, KIST Medical College, Nepal

Asian Oceanian Child Neurology International Didactic Program
The Compliance of Drug Treatment Program and the Probability of Achieving Remission in Childhood Onset Epilepsy
RIZALDY PINZON*
Neurology Department, Bethesda Hospital, Yogyakarta, Indonesia

Educational Seminar 2
Let’s start 5 year-old-check-up: what do we learn from the pioneers?
5 year-old-check-up in Shimonoseki city - Practice by general pediatricians-
YOJI KANEHARA*
Kanehara Children’s Clinic
5 year-old-check-up model project in Shimabara city: Bridging from preschool to school.
TETSUO MATSUZAKA*
Department of Pediatrics, Nagasaki Prefectural Medical and Welfare Center for Handicapped Children, Isahaya, Nagasaki
5 year-old-check-up model project in Kyoto: Support program for 5-year-old children by Kyoto Cyutan-nishi Health Center
MARIKO YUGE*
Kyoto Cyutan-higashi Health Center

Public Forum
Are developmental disorders increasing now? – Analyses of present status and opinions for the future-
Present status and cause of increase of children with developmental disorders: Results of medical survey and opinions based on this study
ASAYO ISHIZAKI*
Ouji Clinic, Tokyo
Results of non-medical survey on increase of children with developmental disorders
EIJI YUKUMI*†
Japan League on Developmental Disabilities, Faculty of Education and Integrated Arts and Sciences, Waseda University
Comments on status of increase of children with developmental disorders in Kurume region
RYOICHI MATSUMOTO*
Kurume Special Education School (Kurume Yougo Gakkou)
Cause of increase – from the standpoint of genetics (epigenetics)-
TAKEO KUBOTA*
Yamanashi University

Suggestions to education and treatment from the standpoint of neurological (frontal lobe function) studies and pathophysiological evaluation

MASAO AIHARA*
Department of Health Science and Community, Faculty of Medicine, University of Yamanashi, Yamanashi

General comments on this symposium: Present status and future from the Ministry of Science & Culture

KENJI ISHIZUKA*
Special Education Investigator, MEXT Japan

The 5th Meeting of the Japanese Society for Children’s Myasthenia Gravis

Special Lecture 1

MASAYA SEGAWA*
Segawa Neurological Clinic for Children

Special Lecture 2

YOSUKE TAKAHAMA*
Institute for Genome Research, The University of Tokushima
Developmental Disorders 1 (Early Diagnosis)

O-001 Developmental course of patients with Asperger syndrome followed objectively from infancy
MIKE YOSHIOKA*, MASAKO NAGATO
Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged, Kobe

O-002 Clinical Symptoms of Children under two with HFPDD
KEIKO KOTERAZAWA1, YUKA OKADA1, KANAKO NAKAKO2, HIYOSHI MIYATA1
1 Himeji City Center for the Handicapped, Himeji
2 Rokko Island Hospital, Kobe

O-003 Screening of developmental disorders in 3years old -The study of checklist in nursery school-
YOSHIHI TSUDA2, TOSHIKI HASHIMOTO2, MITUE TAKAHARA3
1 Naruto University of Education
2 Tokushima Red Cross Hinomine Rehabilitation Center

O-004 Genetic heterogeneity between ADHD symptoms in PDD and ADHD: a sibling study
SHINICHI HIRABAYASHI1, SATORU HIRANO, NOBORU FUEKI
Division of Neurology, Nagano Children's Hospital, Azumino, Nagano

O-005 Parental age and birth order in autism spectrum disorders
YOKO SUGIE1, HIDEO SUGIE2, JUNKO OSAWA1, TOKIKO FUKUDA2, TERUHIKO SUZUKI1, MASATAKA ITO1, TOSHIKI OHZEKI1
1 Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka
2 Department of Pediatrics, Jichi Medical University, Tochigi

O-006 Proposal of new syndrome: Autistic disorder with marfanoid habitus
TOMOHIRO NAKAYAMA*, NAOKO NAKAYAMA, SACHIKA KANEMATSU, HIROSHI MARUYAMA
Matsudo Clinic, Chiba

Developmental Disorders 2 (Differential Diagnosis & Comorbid Disorders)

O-007 Three cases of dentatorubral-pallidolysian atrophy (DRPLA)
SHINICHIRO TAKIGUCHI*, MARI KUWAJIMA, HIDEO SHIMOIZUMI
Nasu Institute of Developmental Disabilities, Tochigi

O-008 Comorbidity of the high function PDD patients at the National Center for Child Health and Development
KEIICHI FUNAHASHI*, TAKAYUKI NAOI, MASUTOMO MIYAO, MAKIKO OKUYAMA
National Center for Child Health and Development, Tokyo

O-009 Effects of OROS methylphenidate in patients with PDD associated with AD/HD symptoms
TOSHIKI HASHIMOTO*, SEISHI SHIMAKAWA, ETSUO NAITO, SHIGEKO SATOMURA
Japanese Red Cross Tokushima Hinomine Rehabilitation Center for People with Disability, Tokushima

Developmental Disorders 3 (Basic Research)

O-010 Proton magnetic resonance spectroscopy of the autistic brain
KENJI MORI1, YOSHIHI TOHDA1, EMIKO FUJII1, TATSUO MORI1, AYA GOHJI1, MASASHI MIYAZAKI1, MASAFUMI HARADA1, SHOJI KAGAMI1
1 Department of Pediatrics, Institute of Health Bioscience, The University of Tokushima Graduate School, Tokushima
2 Department of Radiologic Technology, School of Health Sciences, University of Tokushima, Tokushima
O-011 The investigation of plasma ghrelin concentration in Rett syndrome
MUNETSUGU HARA1, JUNKO YOH2, YOSHIHIRO NISHI2, YUSHIRO YAMASHITA1, EIICHIRO TANAKA2, MASAYASU KOJIMA3, TOYOJIRO MATSUISHI1
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2 Department of Physiology, Kurume University School of Medicine, Kurume
3 Division of Molecular Genetics, Institute of Life Sciences, Kurume University, Kurume

O-012 Cognitive abilities in Kabuki syndrome: Another example of dorsal stream vulnerability?
MIHO NAKAMURA1, YUKAKO MURAMATSU2, HIROKAZU KURAHASHI2, SEIJI MIZUNO2
1 Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi
2 Central Hospital, Aichi Human Service Center, Kasugai, Aichi

O-013 Human visual cognitive function in Asperger's disorder by examining exploratory eye movements
CHIYOMI EGAMI1, KICHIRO MORITA2, YOUHEI ISII2, TAKASHI OHYA3, YUSHIRO YAMASHITA3, TOYOJIRO MATSUISHI3
1 Faculty of Nursing, Fukuoka Prefectural University, Fukuoka
2 Cognitive and Molecular Research Institute of Brain Diseases, Kurume University, Fukuoka
3 Department of Pediatrics and Child Health Kurume University School of Medicine, Fukuoka

O-014 Eye-tracking study in emotion recognition of pervasive developmental disorder children
YUKIHIRO TAKAGI1, TOSHIAKI HASHIMOTO2, YOSHIMI TSUDA3, MITSUE TAKAHARA3, SUSUMU NARUSE4
1 Department of Rehabilitation, Naruto Yamakami Hospital
2 Japanese Red Cross Tokushima Hinomine Rehabilitation Center for People with Disabilities
3 Department of Physical Therapy, Faculty Rehabilitation, Kobe International University
4 Department of Physical Therapy, Faculty Rehabilitation, Kobe International University

Epilepsy • Seizure Disorders 1 (Epidemiology & Cognitive Function)

O-015 Seizures of children in Yachiyo city, Japan
YOKO MORIYAMA*, KITAMI HAYASHI, AYAKO MUTO, SHIHO YAMAMOTO, NOZOMI TSUCHIYA, EMiYU SUZUKI, SYOKO TOKUTAKE, TAKUYA MATSUI
Tokyo Women's Medical University Yachiyo Medical Center, Chiba

O-016 Mortality in Dravet syndrome -Search for risk factors in Japanese-
MASAKO SAKAUCHI1, HIROKAZU OGI1, MAKIKO OSAWA1, SHINICHI HIROSE2, SUNAO KANEKO3, RUMIKO TAKAYAMA4, YUKITOSHI TAKAHASHI4, TATEKI FUJIWARA4, KAZUHIRO YAMAKAWA5
1 Department of Pediatrics, Tokyo Women's Medical University, Tokyo
2 Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka
3 Department of Neuropsychiatry, School of Medicine, Hirosaki University, Aomori
4 National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorder, Shizuoka
5 Laboratory for Neurogenetics, RIKEN Brain Science Institute, Saitama
O-017 The cognitive characteristic of the cryptogenic localization-related epilepsy
MITSURU KASHIWAGI*, TAKUYA TANABE, MIWA SHIMAKAWA, MIWA NAKAJIMA, MIHO FUKUI, KOUJI AZUMAKAWA, EJII WAKAMIYA, HIROSHI TAMAI
1 Department of Pediatrics, Hirakata Municipal Hospital, Osaka
2 Department of Pediatrics, Osaka Medical College
3 Department of Pediatrics, Seikeikai Hospital
4 Aino University

O-018 Cognitive function of idiopathic epilepsy
KAZUHISA HONGOU*, YASUKO FUJIKI, TOMOMI HARAI, KAZUSHI MIYA, KANADE KATOU, TOSHIO MIYAWAKI
The Department of Pediatrics, University of Toyama, Toyama

O-019 Assessment on behavioral problems in children with epilepsy
FUMIKA ENDOH*, MAKIO OKA, AKIHIITO TAKEUCHI, KIYOKO WATANABE, TATSUYA OGINO, YOKO OHTSUKA
1 The Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama
2 The Department of Children Studies, Faculty of Children Studies, Chugokugakuen University, Okayama

Epilepsy  Seizure Disorders  2 (West Syndrome)

O-020 Etiology of West syndrome with severe developmental delay
JUN TOHYAMA*, TSUKASA OASHI, YU KOBAYASHI, NORIYUKI AKASAKA
1 Department of Pediatrics, Nishi-Niigata Chuo National Hospital
2 Department of Pediatrics, Niigata University Medical and Dental Hospital

O-021 Infantile spasms in two cases with Williams syndrome
SOUICHI MUKAIDA*, KATSUMI IMAI, KEIKO SHIMOJIMA, TOSHIYUKI YAMAMOTO, MARIKO IKEGAMI, HIROKO IKEDA, RUMIKO TAKAYAMA, YUKIKO MOGAMI, YUKITOSHI TAKASHI
1 Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka
2 International Research and Educational Institute for Integrated Medical Sciences, Tokyo

O-022 A boy with sporadic West syndrome caused by the second polyalanine expansion of the ARX gene
KAZUYUKI NAKAMURA, MITSUHIRO KATO, KIYOSHI HAYASAKA
The Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata

O-023 A case of Ohtahara syndrome with STXBP1 mutation showed good response to VitB6 & ACTH therapy
KENJI ORII*, MITSUHIRO KATO, MICHINORI FUNATO, HIDENORI OHNISHI, TAKAHIDE TERAMOTO, ZENICHIRO KOTO, TOSHIYUKI FUKAO, NAOMI KONDO
1 Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu
2 Department of Pediatrics Yamagata University School of Medicine

O-024 ACTH therapy for two cases of Epileptic Spasms without Hypsarrhythmia
MASAHIRO ISHII*, MASAYUKI SHIMONO, AYAKO SENJU, NAOKI SHIOTA
1 Department of Pediatrics, School of Medicine, University of Occupational and Environmental Health
2 UBE Industries, LTD. Department of Health Care & Support Center, Environment & Safety
O-025 Clinical Efficacy and Safety of shortened ACTH Therapy for Infantile Spasms
KEITARO YAMADA*, YASUHISA TORIBE, KEIKO YANGIHARA, TOSHIYUKI MANO,
YASUHIRO SUZUKI
Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health,
Osaka

Epilepsy • Seizure Disorders 3 (Benign • Intractable Seizures & Neuroimaging)

O-026 Atypical benign partial epilepsy of childhood: a clinical and electroencephalographic analysis
AKIKO FUJII*, HIROKAZU OGUNI, YOSHIKO HIRANO, MAKIKO OSAWA
The Department of Pediatrics, Tokyo Women's Medical University, Tokyo

O-027 Retrospective analysis of antiepileptic drugs effective for children with Panayiotopoulos syndrome
YOSHIKO HIRANO*, HIROKAZU OGUNI, MAKIKO OSAWA
Department of Pediatrics, Tokyo Women's Medical University, Tokyo

O-028 A study of Panayiotopoulos syndrome with developmental disabilities
HISASHI KAWAWAKI1*, SHIN OKAZAKI1, ICHIRO KUKI1, MEGUMI NUKUI1, TAKESHI INOUE1,
KIYOTAKA TOMIWA1, MASASHI SHIOMI2
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2 Division of Infectious Medicine, Osaka City General Hospital, Osaka

O-029 A clinical study of 12 patients with idiopathic childhood occipital epilepsy of Gastaut
HIROYUKI WAKAMOTO*1, MITSUMASA FUKUDA2, TAKAHIRO MOTOKI3, MITSUHIRO OHMORI4,
SHOHEI WATANABE4, TAKEHIKO MORIMOTO1, HIDEO NAGAO2
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2 Department of Pediatrics, Ehime Graduate School of Medicine
3 Department of Pediatrics, Ehime Prefectural Central Hospital
4 Department of Pediatrics, Ehime Prefectural Imabari Hospital

O-030 Dense-Array EEG for the Tuberous Sclerosis Complex with Epileptic Seizure and Intraventricle Tumor
AYATAKA FUJIMOTO*, TAKAMICHI YAMAMOTO, HIDEO ENOKI, TOHRU OKANISHI,
TAKUYA YOKOTA, TOMOHIRO YAMAZOE
Seirei Hamamatsu General Hospital, Comprehensive Epilepsy Center, Hamamatsu, Shizuoka

O-031 Etiology and clinical course of early myoclonic encephalopathy
SAYURI SUKIGARA1, KENJI SUGAI1, HIROSHI SAKUMA1, HIROHUMI KOMAKI1, YOSHIKAI SAITO1,
EIJI NAKAGAWA1, MASAYUKI SASAKI1, TAIHUKE OHTSU1
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O-032 Efficacy of lamotrigine in children with intractable epilepsy
SHIN OKAZAKI1, ICHIRO KUKI1, MUGUMI NUKUI1, TAKESHI INOUE1, YOSHIHIRO TAKESHITA1,
HISASHI KAWAWAKI1, KIYOKO AMOU2, MASAO TOGAWA2, MASASHI SHIOMI3,
KIYOTAKA TOMIWA1,4
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2 Department of Pediatric Emergency Medicine, Osaka
3 Department of Infectious Medicine, Osaka City
4 Graduate School of Medicine, Kyoto University
O-033 Correlation between the prefrontal lobe growth and seizure duration in frontal lobe epilepsy
HIDEAKI KANEMURA¹, SONOKO HATA¹, KAZUO HATAKEYAMA², KANJI SUGITA¹, MASAO AIHARA²
¹ Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi
² Department of Health Science and Community, Faculty of Medicine, University of Yamanashi

O-034 Diffusion-weighted image abnormalities after prolonged febrile seizure and progression in epilepsy
SETSURI YOKOI¹, TAKESHI TSUJI², TOMOHIKO NAKATA¹, TETSUO KUBOTA¹,
KOUICHI MARUYAMA¹, SEIKO ITOMI¹, AYAKO SOFUE³, MITSUHARU KAJITA¹, AKIHISA OKUMURA⁴,
JUN NATSUME¹, TAMIKO NEGORO⁵, KAZUYOSHI WATANABE⁶
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⁴ Aichi Colony Central Hospital
⁵ Japanese Red Cross Nagoya First Hospital
⁶ Nagoya Memorial Hospital
⁷ Kamo Hospital
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⁹ Aichi Shukutoku University

Acute Encephalitis • Encephalopathy 1 (Classification, Epidemiology, Clinical Aspect)

O-035 The ABC-Classification of Acute Encephalopathy in Childhood
FUMIO HAYAKAWA¹, TAKESHI TSUJI¹, TORU KATO¹, JUNICHI TAKANASHI², AKIHISA OKUMURA²
¹ Department of Pediatrics, Okazaki City Hospital
² Department of Pediatrics, KAMEDA Medical Center

O-036 The diagnostic approach of status epileptics in children with fever and unconsciousness part 2
KAYANO IGARASHI¹, MAYUMI KAJINO, MASARU SHIRAI, YUNICHI OKI
Department of Pediatrics, Asahikawa Kosei Hospital, Asahikawa

O-037 Nonconvulsive seizures in children with suspected acute encephalopathy
AZUSA MARUYAMA¹, TAKU NAKAGAWA², KYOKO FUJITA¹, YOUSUKE SAJI², HIROAKI NAGASE³
¹ Department of Pediatric Neurology, Kobe Children's Hospital, Hyogo
² Department of Pediatric Emergency Medicine and Critical Care, Kobe Children's Hospital, Hyogo

O-038 Clinical features of encephalitis/encephalopathy under 6 month old
HIROYUKI YAMAMOTO¹, TATSUYA FUKASAWA¹, TETSUO KUBOTA¹, TOMOHIKO NAKATA²,
AKIHISA OKUMURA³, SATORU KOBAYASHI¹, NAOKI ANDO³, TAKESHI TSUJI¹, TORU KATO¹,
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¹ Department of Pediatrics, Anjo Kosei Hospital, Anjo
² Department of Pediatrics, Nagoya Ekisaikai Hospital, Nagoya
³ Department of Pediatrics and Adolescent Medicine, Juntendo University School of Medicine, Tokyo
⁴ Department of Pediatrics, Nagoya City University School of Medicine, Nagoya
⁵ Department of Pediatrics, Okazaki City Hospital, Okazaki
O-039 The prognostic factors in acute HHV-6 encephalopathy with biphasic clinical course
KENJIRO KIKICHI\(^1,2\), SHIN-ICHIRO HAMANO\(^1\), REIKO KOICHIHARA\(^1\), TOMOTAKA ORITSU\(^1,2\), MANABU TANAKA\(^1\), MotoyuKI MINAMITANI\(^1\), HIROYUKI IDA\(^2\)
\(^1\) Division of Neurology, Saitama Children's Medical Center, Saitama
\(^2\) Department of Pediatrics, Jikei University School of Medicine, Tokyo

O-040 The clinical pathogenesis of acute encephalopathy / Reye like syndrome and its risk factors
KAZUO OKANARI\(^1\), TATSURO IZUMI
Department of Pediatrics, Oita University Faculty of Medicine

O-041 The efficacy of monitoring EEG in emergency room
TAKESHI INOUE\(^1\), SHIN OKAZAKI\(^1\), TAEKA HATTORI\(^1\), KAI YAMAZAKI\(^1\), KYOUSUKE HIRANO\(^1\), MEGUMI NUKUI\(^1\), ICHIRO KUKI\(^1\), HISASHI KAWAKAMI\(^1\), YUKO IWAMI\(^2\), KIYOKO AMOU\(^3\), MASAO TOGAWA\(^2\), HIROSHI RINKA\(^2\), MASASHI SHIOMI\(^4\), KIYOTAKA TOMIWA\(^5\)
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\(^2\) Osaka City General Hospital, Division of Pediatric Emergency, Osaka
\(^3\) Osaka City General Hospital, Division of Emergency, Osaka
\(^4\) Osaka City General Hospital, Division of Infectious Disease, Osaka
\(^5\) Genetic Counseling and Clinical Research Unit Graduate School of Medicine of Kyoto University

Acute Encephalitis•Encephalopathy 2 (National Survey & Case Reports)

O-042 National Survey of child ADEM and MS in Japan: the results of the first research
YUI YAMAGUCHI\(^1,2\), KEIKO ISHIKAWA\(^1\), KIMIO MINAGAWA\(^2\), MASAYA KUBOTA\(^2\), HIROSHI TAMAI\(^2\), SHINICHI HIRABAYASHI\(^2\), HIDEO AIBA\(^2\), TAKASHI ICHIYAMA\(^2\), JUN NATSUME\(^2\), SHINICHIRO HAMANO\(^2\), MASASHI MIZUGUCHI\(^2\), AKIRA OKA\(^2\), YOSHIHIRO MAEGAKI\(^2\), HIDETO YOSHIKAWA\(^2\), TOSHIRO HARA\(^1,2\)
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\(^2\) The Study Group of Child Immune-mediated Encephalitis in Japan

O-043 National survey of child ADEM and MS: clinical features
HIROYUKI TORISU\(^7,8\), KEIKO ISHIKAWA\(^1\), KIMIO MINAGAWA\(^2\), MASAYA KUBOTA\(^2\), HIROSHI TAMAI\(^2\), SHINICHI HIRABAYASHI\(^2\), HIDEO AIBA\(^2\), TAKASHI ICHIYAMA\(^2\), JUN NATSUME\(^2\), SHINICHIRO HAMANO\(^2\), MASASHI MIZUGUCHI\(^2\), AKIRA OKA\(^2\), YOSHIHIRO MAEGAKI\(^2\), HIDETO YOSHIKAWA\(^2\), TOSHIRO HARA\(^1,2\)
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O-044 Two cases of Fulminant Encephalopathy with marked brain Edema and bilateral Thalamic lesion (FEET)
NAOKI ANDO\(^7\), SATORU KOBAYASHI\(^1\), YOKO NAKASHIMA\(^1\), TETSUYA ITO\(^1\), HAJIME TOGARI\(^1\), TOHRU OKANISHI\(^2\), AKIHISA OKUMURA\(^1\)
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O-045 Two cases of Fulminant Encephalopathy with marked brain Edema and bilateral Thalamic lesion (FEET)
NAOKI ANDO\(^7\), SATORU KOBAYASHI\(^1\), YOKO NAKASHIMA\(^1\), TETSUYA ITO\(^1\), HAJIME TOGARI\(^1\), TOHRU OKANISHI\(^2\), AKIHISA OKUMURA\(^1\)
\(^1\) Department of Pediatrics and Neonatology, Nagoya City University, Graduates School of Medical Sciences, Nagoya
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O-045 Two cases of acute encephalopathy associated with anti-GAD antibody
HIROFUMI KASHII*, SAYAKA OKUMURA, AKIKO KOYAMA, HIDEKI HOSHINO, MASAYA KUBOTA
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O-046 A female case with HHV 6 encephalitis
MAKOTO NABETANI*, MASAHISA FUNATO, HIROSHI WADA
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O-047 A case of non-herpetic acute limbic encephalitis associated with influenza A infection
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Acute Encephalitis•Encephalopathy 3 (Biomarkers)

O-048 CSF cytokine and chemokine profiles in patients with virus-associated encephalopathy
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YUSUKE SUGANAMI, MASANOBU USHIO, HISASHI KAWASHIMA, TASUKI MIYAJIMA,
AKINORI HOSHIIK
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O-049 The CSF biomarkers in mild encephalopalitis/encephalopathy with reversible splenial lesion (MERS)
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5 The Department of Pediatrics, Juntendo University Hospital, Tokyo
6 The Department of Pediatrics, Kameda Medical Center, Chiba
7 The Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo

O-050 Urinary beta2-microglobulin associates the neurological prognosis of child acute encephalopathy
HIROYUKI TORISU1,9, KENJIRO GONDO2,9, KITAMI HAYASHI3,9, SHINICHI HIROBAYASHI4,9,
SHUICHI SHIMAKAWA5, TAKAHITO INOUE5, HIROKO IWAMATSU6,9, YASUHUMI HIDAKA6,9,
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8 Department of Pediatrics, Kitakyushu Municipal Medical Center, Kitakyushu
9 Early Diagnosis of Virus Associated Encephalopathy Study Group
O-051 CSF glutamate concentration in AESD
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O-052 Dynamic change of cytokine profile in a case of Hemorrhagic shock and encephalopathy
KAI YAMASAKI1*, SHIN OKAZAKI1, MEGUMI NUKUI1, TAKESHI INOUE1, ICHIRO KUKI1, HISASHI KAWAWAKI1, KIYOKO AMOU2, MASAO TOGAWA2, MASASHI SHIOMI2, KIYOTAKA TOMIWA4
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O-053 CPT II genotyping in Japanese patients with acute encephalopathy
MAKIKO SAITOH1*, JUNICHI TAKANASHI2, HIDEO YAMANOUCHI3, MASAYA KUBOTA4, TOMOHIDE GOTO5, MASAKI KIKUCHI6, TAKASHI SHIIHARA7, GAKU YAMANAKA8, MASASHI MIZUGUCHI1
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3 Saitama Medical University
4 National Center for Child Health and Development
5 Tokyo Metropolitan Kiyose Children's Hospital
6 Hitachi General Hospital
7 Gunma Children's Medical Center
8 Tokyo Medical University

O-054 A 12-years-old girl with anti-NMDAR Antibody-mediated Encephalopathy just after a big earthquake
HIROMI KOIZUMI*, YUKITOSHI TAKAHASHI
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Genetics 1

O-055 Clinical manifestations of haploinsufficiency of Down syndrome critical region
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2 Tokyo Metropolitan Bokutoh Hospital, Tokyo
3 National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka
O-056 TULIP1 (RALGAPA1) haploinsufficiency with brain development delay
KEIKO SHIMOJIMA1, JUN TOHYAMA2, MAYU OHTSU1, EIJI NAKAGAWA4, YUICHI GOTO6, KOUSAKU OHNO3, HIROKAZU OGUNI9, MAKIKO OSAWA6, TOSHIYUKI YAMAMOTO1
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O-057 Submicroscopic chromosomal imbalances are important differential diagnosis of Prader-Willi syndrome
SHINJI SAITOH*, YUMI TAKAHASHI, YUKI UEDA, TOMOSHIRO ITO, HIDEAKI SHIRAISHI
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O-058 Genomic imprinting associated with cell-type-specific chromatin decondensation
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O-059 A Japanese case of IFAP syndrome with MBTPS2 mutation
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Genetics 2

O-060 Novel NKX2.1 mutations in two patients with brain-lung-thyroid syndrome
MITSUGU UEMATSU*, KAZUHIRO HAGINOYA1, ATSUO KIKUCHI1, MIEKO HIROSE1, TOMOKO KOBAYASHI1, NAOMI HINO-FUKUYO1, YOUSHGE KAKISAKA1, YURIKA NUMATA1, SHIGERU TSUCHIYA1
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O-061 Novel FOXL1 mutations in two Japanese cases with the congenital variant of Rett syndrome
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O-062 Upper Limb Functions of Children with Spinal Muscular Atrophy type 1: a questionnaire study
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O-063 The significance of the survey of fragile X syndrome in Japan
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2 Division of Child Neurology, School of Medicine, Tottori University
Metabolic Disorders 1 (Lysosome, Metal)

O-065 Genetic counseling for 46,XX,t (13;13)
NOBUSUKE KIMURA*, TOMOKO MIYAJIMA, TOMOHIIRO KUMADA, NOZOMI ODA,
HIDEKI SHIMOMURA, KEIKO SAITOU, TATSUYA FUJII
Shiga Medical Center for Children, Shiga

Metabolic Disorders 2 (Mitochondrial Disease)

O-071 Carrier detection of 32 families with mutations in E1 alpha subunit gene of pyruvate dehydrogenase
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Cerebral Palsy  • Care 3 (Types)

O-075 Peculiar involuntary movement in premature infant
HARUMI YOSHINAGA*, FUMIKA ENDOH, YUMIKO ISHIZAKI, TAKUSHI INOUE, YOKO OHTSUKA
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O-076 Clinical features and complications of athetotic cerebral palsy born as VLBW
SATORI HIRAI*, MASAHIRO KITAI, HIROSI ARAI
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O-077 Porencephaly is associated with spastic diplegia, hemiplegia and triplegia
KAZUHIRO HAGINOYA*, YURIKA NUMATA¹², IKUKO SATO¹, KEISUKE WAKUSAWA¹,
SOICHIRO TANAKA¹, AKIRA ONUMA¹
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O-078 Dysphasia in athetotic cerebral palsy caused by bilateral basal ganglia and thalamic lesion
YUKIHIRO KITAI*, HIROSI ARAI, SATORI HIRAI
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O-079 Brain MRI and clinical analyses on spastic diplegia with term birth
YURIKA NUMATA1*, IKUKO SATO2, KAZUHIRO HAGINOYA2, SOUICHIROU TANAKA1, AKIRA ONUMA2, YASUKO KOBAYASHI3, MITSUGU UEMATSU1, SHIGERU TSUCHIYA1
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O-080 Investigation about ability of hopping on one leg in children with cerebral palsy
YURIKO YAMORI1,2*, NAOKO YOSHIDA1, TOYOKO KANDA1, HARUYO HIROTA1, MIKI IWAMI1, MICHIO SHIBATA2
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2 Department of Pediatrics, Kyototakeda Hospital, Kyoto

O-081 Questionnaire survey of children on home medical care in Osaka prefecture
TETSUZO TAGAWA1*,2, MASAHISA FUNATO2, TOSHIKABURU NAGAI2, HISASHI KAWAKII2, HIREDO SATTORI2, TOSHIKO SAI2
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O-082 Institutionalized children with severe disabilities referred from the pediatric department
MICHIO INOUE1*, ATSUE ARIMURA, HIDETSUGU MIZUUCHI
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O-083 Medical care at the elementary and junior high schools in city of Toyonaka
TARO MATSUKO1*,2, TOMOKAZU KIMIZU1, KOUJI TSUCHIYA1
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Cerebral Palsy • Care 4, Psychiatric & Behavioral Disorders

O-084 The treatment options of Dumping Syndrome: a common problems after Gastrostomy
SEIJI WATANABE1*, YUKARI ENDO1, YOSHINORI OKUMURA1, KEIKO HIRANO1, HIDEO AIBA1, MASAYUKI YANO2
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O-085 Clinical analysis of neurologically impaired children who underwent laryngotracheal separation
YUKO TAKAO1*, MIWAKO NAGASAKA, YURI MIYABE, YOU OKIDUKA, NAOKI HASHIMOTO, MASAMITSU NISHINO
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O-086 A eight-year-old female of hydrocephalus treated successfully by intrathecal baclofen therapy
TOSHIHIDE WATANABE1*, REIKI OYANAGI1, KIMIO MINAGAWA1, AKIKO TSUZUKI2, TOMOKO YAMADA2, SATOKO OCHI2
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3 Department of Neurosurgery, Hokkaido Medical Center for Child Health and Rehabilitation, Sapporo
O-087 Effect of hydrochlorothiazide on urolithiasis and bone metabolism in severely disabled individuals
CHIZURU IKEDA*, YOSHIKI SAITO, HIROSHI SAKUMA, HIROYUKI KOMAKI, EIJI NAKAGAWA, KENJI SUGAI, MASAYUKI SASAKI
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O-088 The IPV was effective for the acute breathing disorder of the severe people experiencing disability
RYUJI KAGEYAMA1*, SHINICHI MAGARA1, SAWAKO YAMAZAKI1,2, MIWA YAMATANI1,2, TOHRI KONISHI1
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O-089 Energy expenditure using dilution method in children with severe motor and intellectual disabilities
NOBUAKI IWASAKI*, JYUNKO NAKAYAMA, HIDEYO KINUGASA, KENJI SHIN, HIDEO SATOH
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O-090 Child Abuse Cases Involving Acute Drug Intoxication
ERI KAWATANI1*, NAOMI MORISHIMA1, GORO SHIROTANI1, YUKO TOMONOU1, YUKIKO IHARA1, HITOMI HAYASHI1, NORIKO NAKAMURA1, TAKAHITO INOUE1, SAWA YASUMOTO1, SHINICHI HIROSE1
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2 Fukuoka University Chikushi Hospital, Chikushino
3 Takagi Hospital, Okawa

O-091 Clinical study of social anxiety disorder at outpatient clinic of pediatric neurology
JUNICHI FURUSHO1*, TETSUJI KUBAGAWA2
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2 Division of Psychiatry, Kawasaki Municipal Hospital, Kawasaki

O-092 A cohort study of child chronic fatigue syndrome: analysis of Trail making Test
JUNKO KAWATANI1*, TAKAKO JOUDOI1, KEI MIZUNO2, MIYUKI TAKANO3, AKEMI TOMODA1, TERUHISA MIKE4
1 Child Development, Kumamoto University, Kumamoto
2 Molecular Robe Dynamics Laboratory RIKEN Center for Molecular Imaging Science
3 Heisei College of Music
4 Hyogo Rehabilitation Center

English Session 1
O-093 Pediatric Neurotransmitter Disease (PND) national survey
HARUO SHINTAKU1,2, MASAYA SGAWA2, MITSUHIRO KATO2, SHINJI SAIHO2, SHIN-ICHIRO HAMANO2, MASAYA KUBOTA2, JUN TOHYAMA2, JUN NATSUME2, HIDEJI HATTORI2, YOSHIHIRO MAEGAKI2, TOYOJIRO MATSUISHI2, SHUHEI IDE2, HIROKI FUJIOKA2, YOSHIKO NOMURA2, YASUSHI ITOH2
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O-094 Congenital generalized lipodystrophy with muscular dystrophy caused by novel PTRF mutation
ERY KUS DWIANINGSIH1, YASUHIRO TAKESHIMA1, RUSDY GHAZALI MALUEKA1, HIROYUKI AWANO1, MARIKO YAGI1, KYOKO ITOH2, MASAFUMI MATSUO1
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O-095 Novel pathomechanism for Fukuyama-type congenital muscular dystrophy
MARIKO TANIGUCHI*, TATSUSHI TODA
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O-096 Function analysis of novel candidate gene BTBD9, associated with Restless Legs Syndrome, in KO mice
KAZUHIRO MURAMATSU1, NORIKO SAWAURA, YOKO URANO, HIROKAZU ARAKAWA
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O-097 Neuronal network dysfunction in a mouse model of angelman syndrome
KIYOSI EGAWA1, SHINJI SAITO1, TATSUYA KISHINO1, ATSUO FUKUDA1
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O-098 PCDH19 mutations and their phenotypes in Japanese females with suspected SCN1A-related epilepsy
NORIMICHI HIGURASHI1, MASAKO SAKAUCHI2, HIDEAKI SHIRAISHI1, AKIE MIYAMOTO1, KAZUYA ITOMI1, TAKEO KATO1, SHINICHI HIROSE1
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English Session 2

O-099 Diffusion tensor imaging in cryptogenic West syndrome: SPM analysis
JUN NATSUME1, TATSUYA FUKASAWA1, TOMOHiko NAKATA1, SETSURI YOKOI1, NAOKO ISHIHARA1, YOSHiTERU AZUMA1, AKIHISA OKUMURA1, TAMiKO NEGORO1, KAZUYOSHi WATANABE1
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O-100 Study on defining intractability of partial epilepsy
KENJI SUGAI*, EIJU NAKAGAWA, HIROSHI SAKUMA, HIROFUMI KOMAKI, YOSHIAKI SAITO, MASAYUKI SASAKI
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O-101 Contribution of interictal high-frequency oscillations to seizure outcome after epilepsy surgery
TOROYUKI AkiYAMa1, Ayako OCHI, HIROSHI OTSUBO
Division of Neurology, The Hospital for Sick Children
O-102 Clinical features of acute encephalopathy in children with underlying disorders
AKIHIKOKUMURA1, TETSUOKUBOTA2, HIROYUKIKIDOKORO2, TAKESHTSUJI1, FUMIOHAYAKAWA1, KOCHIMARUYAMA4, MOTOMASASUZUKI4, KAZUYAITOMI5, TOSHIKISHIMIZU1
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O-103 Therapeutic Hypothermia for Child Acute Encephalopathy
GO KAWANO1, OSUKE IWATA2, SACHIKO IWATA2, KEIKOKAWANO2, ICHIRO KUKI1, HIROSHIRINKA4, MASASHISHIOMI4, HIDEOYAMANOUCHI4, HIROTOAKAIKE5, MITSUGU UEMATSI5, SHINICHIHIRABAYASHI5, SATORUHIRANO5, ATSUOKIKUCHI5, HIDETOYOSHIKAWA6, TOYOJIRO MATSUSHI7
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8Division of Pediatrics, Tohoku University School of Medicine, Miyagi
9Division of Neurology, Nagano Children's Hospital, Nagano
10Division of Neurology, Miyagi Children's Hospital, Miyagi

O-104 Increased permeability of BBB and immunological mechanisms in epilepsy after acute encephalitis
YUKITOSHTAKAHASHI1,2, MEILIA M. SURIAD1, YUKOKUBOTA1, JYUNMINE1, ETSUKOYAMAZAKI4, RUMIKOTAKAYAMA1, MARIKOKIKEGAMI1, SOUTIMUKAIDA1, YUKIKOMOGAMI2, YUSHINOUE3
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Developmental Disorders 7 (Physiology・Neuroimaging)

O-105 Neurophysiological aspect of AD/HD
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O-106 The effect of MPH on emotional reword/punishment prediction in children with AD/HD
HIROMI HOSAKA3, KAKAROU AOYAGI1, HIDEAKIKANEMURA1, YOSHIKIKAGA1, HITORISHIMOYAMA1, DAIYAMASHIRO1, YUUSUKEGOTOU1, TOMOKOTANDOU1, KOUSUKE NAKAMUR1, KANJISUGITA3, MASAOAIHARA2
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2Department of Health Science and Community, Faculty of Medicine, University of Yamanashi, Chuo, Yamanashi
O-107 EEG study in autism
MARIKO MAEZAWA¹, YOUICHI DOUMOTO², KOUICHI TAMADA², MICHIE HONJYOU⁴,
YUKIE WATANABE⁴
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² Ise Keiyu Hospital, Ise, Mie
³ Misato Kenwa Hospital, Misato, Saitama
⁴ Yokohama City North Area Ryouiku Center, Yokohama

O-108 Developmental change of face recognition in early infancy
YUKIHIKO KONISHI¹, KENSUKE OKUBO, SONOKO IJICHI, TOMOKO NISHIDA, TADASHI IMAI,
KENICHI ISOE, SUSUMU ITOU
The Department of Pediatrics, Faculty of Medicine, Kagawa University, Kagawa

O-109 Altered hemodynamic response in frontal cortex of AD/HD children with depressive/anxiety symptoms
YUKI INOUE¹, KOTOE SAKIHARA¹, HIROSHI OZAWA², SATOSHI KIMIYA², HARUO SHINODA³,
MASUMI INAGAKI¹
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² Shimada Ryoiku Center
³ Faculty of Psychology, Risshe University

Developmental Disorders 8 (Motor & Cognitive Function)

O-110 The Development of the Japanese version of the Motor Observation Questionnaire for Teachers
AKIO NAKAI¹, MASATADA YOSHIZAWA², MASAO KAWATANI¹, SCHOEMAKER MARINA M.³
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³ Center for Human Movement Sciences, University Medical Center Groningen, University of Groningen, The Netherlands

O-111 Cross-Cultural Adaptation and Psychometric properties of the Japanese version of DCDQ
AKIO NAKAI¹, MASATADA YOSHIZAWA², MASAO KAWATANI¹, WILSON BRENDA N.³
¹ Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Fukui
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³ Alberta Health Services and University of Calgary, Canada

O-112 Effects of developmental disorders on changes in demand of pediatric rehabilitation
TOMOKO TANDO¹, KAKURO AOYAGI¹, KAZUO HATAKEYAMA¹, HIDEAKI KANEMURA²,
KANJI SUGITA³, MASAO AIHARA⁵
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O-113 Evaluation of effectiveness of sensory integration to ADHD by two dimensional analysis
TAKASHI HAYASHI¹, KUMIKO KIDO¹, MASUMI INAGAKI⁷
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O-114 Quantitative assessment of balance functions by tri-axial accelerometers in preschool-aged children
RYOTA EGUCHI*, ATSUKO SANMI, SATOSHI TAKADA
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O-115 Developmental change of verbal short-term memory and working memory in children with AD/HD or PDD
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Learning Disabilities
O-116 A new task evaluating the skill to read Japanese phonogram (Hiragana) for preschool children -1-
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O-117 A new task evaluating the skill to read Japanese phonogram (Hiragana) for preschool children -2-
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O-118 Development of word list for oral reading test -Analysis of children with developmental dyslexia-
TOMOHITO OKUMURA*, YAYOI KITAMURA, MAKOTO NAKANISHI, NAOKO KURIMOTO,
MEKUMI MIZUTA, TAKASHI TAKESHITA, EIJI WAKAMIYA, HIROSHI TAMAI
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4 Aino University, Faculty of Nursing and Rehabilitation, Osaka
5 Osaka Medical College, Department of Pediatrics, Osaka

O-119 Method of evaluating achievement of child's Japanese language in pediatric clinic
HIDEO NAGAO
Faculty of Education, Ehime University

O-120 The comparison between reading and writing ability in children with reading and writing disabilities
EIJI WAKAMIYA*, TOMOHITO OKUMURA, TAKASHI TAKESHITA, MEKUMI MIZUTA,
NAOKO KURIMOTO, HIROSHI TAMAI
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3 Department of Pediatrics, Osaka Medical College, Takatsuki
O-121 Relation between magnocellular function and reading abilities in developmental dyslexia
HIROKO YAMAZAKI1,2, YOSUKE KITA1,2, KIYOMI YATABE1, TOMOKA KOBAYASHI1, MAKIKO KAGA1, MASUMI INAGAKI1
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O-122 A Training Method of Writing Kanji for a Child with Visual Information Processing Impairment
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2 Aino University, Faculty of Nursing and Rehabilitation, Osaka
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Developmental Disorders 9 (Support & Intervention)

O-123 Study of treatment for obesity in children with developmental disorders
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2 Department of Community Health Nursing and Epidemiology, Faculty of Health and Welfare, Prefectural University of Hiroshima, Mihara

O-124 Parent Training for autistic children
HIROYUKI YOKOYAMA1, CHIEKO NARA2, MIEKO HIROSE2, KEISUKE WAKUSAWA1, KAZUHIRO HAGINOYA3, KAZUIE IINUMA4
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2 Tohoku University Hospital, Sendai
3 Takuto Rehabilitation Center for Children, Sendai
4 Ishinomaki Red Cross Hospital, Ishinomaki

O-125 The autistic spectrum child’s mother questionnaire survey
KEIKO MAEDA*
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O-126 Changes on preschool children with autistic spectrum disorder after stopping TV-watching
ATSUSHI IESHIMA*, HIDEKI HORITA
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Developmental Disorders 10 (Special Needs Education)

O-127 Behavioral value between protectors and teachers after the medication of methylphenidate in AD/HDs
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O-128 History of the special support class's students at health check-ups and follow-up
SHIMA YAMAGUCHI1, SATOSHI TAKADA
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O-129 Importance of early detection and treatment of children with ADHD by school visit
TETSUJI KUBAGAWA1, JUNICHI FURUSHO2, HIROSHI MARUYAMA3
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O-130 The problems of special educations for children with developmental disorders
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Developmental Disorders 11 (Support for Severely Handicapped)
O-131 The requirements for regional hospitals to support severely handicapped children cared in the NICU
TOMOHKO HASEGAWA1, MICHIAKI NAGURA, EIKO TAKADA, HISANORI SOBAJIMA, MASANORI TAMURA
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O-132 On the survey about the acceptance of emergent hospitalization of severely handicapped children
MICHIAKI NAGURA1, TOMOHKO HASEGAWA, EIKO TAKADA, HISANORI SOBAJIMA, MASANORI TAMURA
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O-133 The cause of death in children and persons with severe motor and intellectual disabilities
KUNIAKI FUKUDA1, TOMOHO KIRINO2, YUMI FUJWARA2, SIGEHIRO NAGAI2, MIYUKI USHIDA2, SHOICHI ENDO3, YOSHINOBU NAKAGAWA3
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3 The Department of Neurosurgery, National Kagawa Children's Hospital, Zentsuji

O-134 Music therapy for a child with acute encephalopathy
YUKIKO ICHIDA1, AKIHISA OKUMURA, TOSHIAKI SHIMIZU
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Epilepsy・Seizure Disorders 6 (Basic Research)
O-135 Peripheral lymphocyte subset and serum cytokine profiles of patients with West syndrome: 3rd report
TAKASHI SHIIHARA1, MIO WATANABE
Department of Neurology, Gunma Children's Medical Center

O-136 Keisikasyakuyaku-to suppresses hyperthermia-induced seizures in developing rats
HITOMI HINO1, 2, MITSUMASA FUKUDA1, YUKI SUZUKI1, TAKEHIKO MORIMOTO1, 3
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2 Shingu Clinic, Shikokuchuo
3 Ehime Kodomo Ryoiku Center, Toon

O-137 A splice site variant in SCN1A gene contributes to susceptibility to febrile seizures in Japanese
YOSHIKOSHI ISHIZAKI1, RYUTARO KIRA, HIROYUKI TORISU, MASAFUMI SANEFUJI, YUI YAMAGUCHI, TOSHIRO HARA
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O-138 Effectiveness of LVT, STP and CLB in SMEI model mice with Hyperthermia-induced seizure
HIDEYUKI OHTANI1, IKUO OGIWARA2, YUKITOSHI TAKAHASHI1, KAZUHIRO YAMAKAWA2,
YUSHI INOUE1
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2 Laboratory for Neurogenetics, RIKEN Brain Science Institute

Epilepsy • Seizure Disorders 7 (Treatment 1)

O-139 Timing of clinical trials of new anti-epileptic drugs for children
KEIKO YANAGIHARA1,2, SHINNYA HIRANO1, KEITAROU YAMADA2, YASUHISA TORIBE2,
TOSHIYUKI MANO2, YASUHIRO SUZUKI2
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O-140 The efficacy of new antiepileptic drugs for epilepsy of severe motor and intellectual disabilities
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TORU KONISHI1
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O-141 Topiramate use cases for the intractable epilepsy patients: How to use topiramate
MITSUHIRO MATSUO*, TETSUO MATSUZAKA
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O-142 The long term efficacy of topiramate for childhood onset intractable epilepsy
YASUHISA TORIBE2, KEITAROU YAMADA, KEIKO YANAGIHARA, TOSHIYUKI MANO,
YASUHIRO SUZUKI
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Health, Izumi

O-143 Metabolic acidosis induced by Topiramate and Zonisamide
NAOKO ISHIHARA1,2, JUN NATSUME1, SETSURI YOKOI1, TOMOHIKO NAKATA1,
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O-144 Urolithiasis associated with zonisamide or topiramate therapy in nonambulatory children
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Epilepsy • Seizure Disorders 8 (Treatment 2)

O-145 Lamotrigine therapy for refractory epilepsy
KURIKO SHIMONO1, TAE IKEDA2, YUSUKE HAMADA2, YOSHIKO IWATANI2, KOJI TOMINAGA3,
TAKESHI OKINAGA2, TOSHISABURO NAGAI4, MASAKO TANIIKE1,3, KEIICHI OZONO2
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4 Division of Health Sciences, Osaka University Graduate School of Medicine

O-146 Long term clinical effects of lamotrigine (LTG) for patients with intractable epilepsy
KIYOKO WATANABE*, YOSHIKAZU WATANABE, KATSUHIRO KOBAYASHI, HARUMI YOSHINAGA,
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O-147 The effectiveness of Lamotrigine to the intractable epilepsy including myoclonic astatic epilepsy
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ATSUO IIZUKA2, JUN TOHYAMA2, MARIKO MOMOI2
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O-148 The efficacy of potassium bromide in patients with intractable epilepsy
KEIKO SAITO*, TOMOHIRO KUMADA, TOMOKO MIYAJIMA, NOBUSUKE KIMURA, NOZOMI ODA,
HIDEKI SHIMOMURA, TATSUYA FUJII
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O-149 3 seriously handicapped children who developed Fanconi syndrome during valproic acid administration
YOSHINORI IBA*, HIDEHIKO YANAGIDA, TSUKASA TAKEMURA
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O-150 Mechanisms of increased serum urate levels in epileptic children treated with valproate
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O-151 Quantitative analysis of valproyl-carnitine in long-term VPA treated severe handicapped patients
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O-152 Effects of carbamazepine on hyponatremia
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**Muscular Disease 2 (Duchenne Muscular Dystrophy)**

O-153 Two patients with Duchenne muscular dystrophy showed the new alternative splicing in lymphocytes

YUKITOSHI ISHIKAWA, YUKA ISHIKAWA
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O-154 Skipping efficiency is different in DMD patient-derived cell cultures carrying different mutations

MARIKO YAGI, HIROYUKI AWANO, YASUHIRO TAKESHIMA, MASAFUMI MATSUO
Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe

O-155 Checking exon-skipping events in candidates for clinical trials of morpholino

SHIGEMI KIMURA, SHIRO OZASA, KEIKO NOMURA, HIROHUMI KOSUGE, ISAO FUJI, KAORI ITO
MAKOTO MATSUURA
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O-156 MRI and neuropsychological studies in children and adults with Duchenne muscular dystrophy

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O-157 Efficacy and tolerance of gastrostomy in Duchenne and Fukuyama congenital muscular dystrophy

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O-158 Corticosteroid treatment of Duchenne type muscular dystrophy

TERUMI MURAKAMI, KEIKO ISHIGAKI, TAKATOSHI SATO, SACHIKO ONAI, MAKIKO OSAWA
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**Muscular Disease 3**

O-159 Effect of early intervention of NIV for young girl with Emery-Dreifuss Muscular Dystrophy

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O-160 Seizures in Fukuyama type congenital muscular dystrophy

TAKATOSHI SATOU, KEIKO ISHIGAKI, SACHIKO ONAI, YOSHIKO HIRANO, TERUMI MURAKAMI, MAKOTO FUNATSUKA, KAYOKO SAITO, MAKIKO OSAWA
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O-161 The clinical picture, histopathology, and genetic analysis of limb-girdle muscular dystrophy type 2L
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O-162 A case of endplate acetylcholinesterase deficiency improved symptomatically by ephedrine
YOSHITERU AZUMA*1, AKIHISA OKUMURA2, SHINPEI ABE2, MITSURU IKENO2, YURI KITAMURA2, ERI NAKAHARA2, TOSHIKI SHIMIZU2, TOMOHIKO NAKATA1, JUN NATSUME1, YOSHIKO NOMURA3, HIROHUMI KOMAKI4
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O-163 Comparison of utility between muscle CT and MRI in patients with childhood-onset Pompe disease
KEIKO ISHIGAKI*1, IKUYA NONAKA2, TERUMI MURAKAMI1, TAKASHI SATO1, SACHIKO ONAI1, KEIKO SHISHIKURA1, HARUKO SUZUKI1, YOSHIITO HIRAYAMA1, MAKIKO OSAWA1
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O-164 Approach to the pathology of myopathic glycogen storage diseases by metabolomic analysis of muscles
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Acute Encephalitis • Encephalopathy 7 (MRI • SPECT)

O-165 Acute encephalopathy with transient callosal lesions with white matter lesions
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O-166 MRI findings of Acute Encephalopathy Associated with Congenital Adrenal Hyperplasia: 3 cases report
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O-167 Diffusion-weighted imaging abnormalities in cerebellum: Report of 6 cases

TETSUO KUBOTA*, HIROYUKI YAMAMOTO1, TATSUYA FUKASAWA1, SATORU KOBAYASHI2, NAOKI ANDO2, TAKESHI TSUII3, TORU KATO3, FUMIO HAYAKAWA2, MARI YASUDA4,5, KENJI YOKOCHI5,6

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O-168 Clinical and Radiological Features of Rotavirus Cerebellitis

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O-169 Mild encephalopathy/encephalopathy with a reversible splenial lesion associated with drug allergy

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O-170 A case with MERS presenting atypical coarse

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O-171 A case of the Salmonella encephalopathy with characteristic findings of brain MRI

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O-172 Efficacy of SPECT in acute encephalitis
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SHIN OKAZAKI1, KIYOKO AMO2, MASAO TOGAWA2, MASAHI SHIOMI2, KIYOTAKA TOMIWA4
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O-173 Brain MRI and SPECT findings in childhood acute cerebellitis
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KENJIRO KIKUCHI1, MOTOYUKI MINAMITANI2
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O-174 Three patients of non-herpetic limbic encephalitis with insula abnormality on ECD-SPECT
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Acute Encephalitis - Encephalopathy 8 (H1N1)

O-175 Effectiveness of EEG on differential diagnosis in novel influenza (H1N1) with neurological symptom
YURI MIYABE1, YUKO TAKAO, MIWAKO NAGASAKA, TOMOKO LEE, YOU OKIZUKA,
NAOKI HASHIMOTO, MASAMITSU NISHINO
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O-176 Clinical consideration of novel influenza A (H1N1) associated encephalopathy
YOSHIHIRO WATANABE1, RIE ANZAI, YUU TSUYUSAI, MEGUMI TSUI, KIYOKO SAMESHIMA,
TAKAHIITO WADA, MIZUE IAI, SUMIMASA YAMASHITA, HITOSHI OSAKA
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O-177 Clinical features of Swine Flu associated encephalopathy
AKIHISA OKUMURA1, TAKESHI TSUJI2, TETSUO KUBOTA3, SHINTARO YAMASHITA4,
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O-178 2009H1N1-associated Encephalopathy with a Reversible Lesion of the Entire Corpus Callosum
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Acute Encephalitis • Encephalopathy 9 (Treatment • Prognosis)

O-179 Hypothermia/normothermia with general anesthesia therapy for febrile refractory status epilepticus
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O-180 Mild Hypothermia in Children with Acute Encephalopathy or Hypoxic Brain Damage
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O-181 Prognostic factors and the efficacy of treatment in children with AESD
NAOKO HAYASHI1, AKIHISA OKUMURA2, TETSUO KUBOTA1, TAKESHI TSUJI4, HIROYUKI KIDOKORO3, JYN NATSUME1, FUMIO HAYAKAWA4
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O-182 Prognosis of acute encephalopathy
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Neuroimaging 3

O-183 The study of neuroradiological finding of CNS involvements in the patients with NF1
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O-184 Unidentified bright objects in patients with Neurofibromatosis type1
HIDEKI SHIMOMURA1, TATSUYA FUJII, TOMOKO MIYAJIMA, TOMOHIKO KUMADA, NOBUSUKE KIMURA, NOZOMI ODA, KEIKO SAITO
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O-185 Diffusion tensor imaging in cryptogenic West syndrome
TATSUYA FUKASAWA1, HIROYUKI YAMAMOTO1, TETSUO KUBOTA1, TOMOHIKO NAKATA2, JUN NATSUME2, TAKETO IKUTA1, AKIHISA OKUMURA4, TAMIKO NEGORO2, KAZUYOSHI WATANABE6
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O-186 Tractography assessments of cerebral and cerebellar white matter in preterm infants with PVL
TATSUJI HASEGAWA¹, TAKENORI TOZAWA¹, KENICHI ISODA¹, AKI KAWAI¹, KOUGH TANDA²,
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O-187 Serial assessment of the brain in a patient with CCALD: DTI and ¹H-MRSI analysis on a 3.0T MR system
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O-188 Pontine tegmental cap dysplasia, the first case in Japan
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O-189 Changes of Magnetic Resonance Imaging in Children with Impaired Splenium of Corpus Callosum
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O-190 Six cases of abusive head trauma in infants
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O-191 Thalamic abnormalities in children with prolonged febrile seizures: MRI volumetric study
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O-192 Neural substrates of decrease in divided attention by chronic fatigue in adolescence using fMRI
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O-193 Change of abnormal findings on the images of 123I iomazenil SPECT
ICHIRO KUKI1, HISASHI KAWAWAKI1, SHIN OKAZAKI1, MEGUMI NUKUI1, TAKESHI INOUE1, KIYOKO AMOU2, MASAO TOGAWA2, MASASHI SHIOMI3, KIYOTAKA TOMIWA4
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O-194 Differential diagnosis of developmental disorders using 123I iomazenil SPECT
SHINICHIRO NAGAMITSU*, IKUHIKO SHIBUYA, MUNETSUGU HARA, TAKASHI OHYA, YUSHIRO YAMASHITA, TOYOJIRO MATSUISHI
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O-195 CSF histamine contents in neurologic disorders
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O-196 A case of MS
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O-197 A case of acute cerebellar ataxia associated with anti-cardiolipin antibodies
YOSHIYUKI KOBAYASHI*, NOBUTSUNE ISHIKAWA
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O-198 Central nervous complication in patients with streptococcal infections
YASUO HACHIYA1, MASAHARU HAYASHI2, RIE MIYATA2, NAOYUKI TANUMA4, KAZUHISA HONGO5, KONOMI SHIMODA1, SACHIKO KANDA1, SATOKO KUMADA1, EIJI KURIHARA1
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O-199 The examination for measles antibody titer in subacute sclerosing panencephalitis
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O-200 Transient mild consciousness disturbance without delirious behavior during febrile illness
TORU KATÔ 1, TAKESHI TUJI 1, FUMIO HAYAKAWA 1, MOTOMASA SUZUKI 1, TOMOYA TAKEUCHI 1, JUN NATSUME 1, AKIHISA OKUMURA 1, KAZUYOSHI WATANABE 1
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O-201 Analysis of clinical course of H. influenzae meningitis
NATSUKO SUGIYAMA 1, MASAKO NAGASHIMA, YUKIFUMI MONDEN, YASUYUKI NOZAKI, TOKIKO FUKUDA, MASATO MORI, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI
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O-202 Clinical study of six cases of Group B Streptococcal meningitis
AKIHIKO MIYAUCHI 1, NATSUKO SUGIYAMA, MASAKO NAGASHIMA, YUKIFUMI MONDEN, YASUYUKI NOZAKI, TOKIKO FUKUDA, MASATO MORI, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI
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O-203 Cytokine analysis in meningococcal meningitis
TAKAHIRO IKEDA 1, AKIO FUJINE, YUKIFUMI MONDEN, TOKIKO FUKUDA, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI
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O-204 The Spontaneous Intracranial hypotension case, we spent 2 years to make a diagnosis
TAKASHI MITSUFUJI 1, FUMIO YAMAMOTO 1, YASUYUKI ITOU 1, YOUICHIROU HASHIMOTO 1, NAMIO MAEDA 2, MITSUHIRO FURUSAWA 2, AKINORI TSUJI 2, TETSUROU MITSUSE 1, YASUHIKO KAIEDA 1, TADASHI JOUNO 1, MANABU IKEDA 1, NOBUO ARAKI 1, TERUYUKI HIRANO 1, MAKOTO UCHINO 1
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O-205 A family case of familial hemiplegic migraine
HIDEHIRO YASUIJIMA 1, MARIA TACHIBANA, TOMOKO OKUMURA, EIICHI FUJI
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O-206 Cyclic vomiting in patients with CIPA -its CNS mechanism

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SAYAKA OKUMURA1, KIKUKO IKEDA2, YUTAKA AWAYA3, KENJI NIHEI4
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3 Department of Pediatrics, Seibo International Catholic Hospital, Tokyo
4 Department of Pediatrics, Tokyo-Nishi Toshuukai Hospital

O-207 A study of 15 dead cases with congenital insensitivity to pain with anhidrosis (2nd Report)

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5 Department of Pediatrics, Dokkyo Medical University
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O-208 Examination of using precision handgrip instrument in Duchenne muscular dystrophy

ERIKO SATAKE*, YASUHIRO TAKESHIMA, HIROYUKI AWANO, MARIKO YAGI, MASAHUMI MATSUO
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O-209 Oseltamivir Phosphate Induced Alterations in ABR of Epilepsy-Prone El Mice (The 2nd Report)

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O-210 Clinico-Pathological and Genetical correlation of child onset Charcot-Marie-Tooth disease

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O-211 Clinical and molecular diagnosis of Charcot-Marie-Tooth disease in Japan

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**Congenital Anomaly-Chromosomal Abnormality 3**

**O-212 A case of Apert syndrome with the colon isolated from peritonea**

SAYAKA OKUMURA*1,2, SATOKO KUMADA1, KONOMI SHIMODA1, SACHIHO KANDA1, AI HOSHINO1, YASUO HACHIHAYA1, EII KURIHARA1

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**O-213 A case of Luecodysplasia, microcephaly, cerebral malformation (LCM)**

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**O-214 Evaluation of cerebral white matter lesion in Jacobsen syndrome**

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**O-215 Clinical study of 9q34 deletion syndrome**

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**O-216 Wide clinical spectrum of neurocutaneous melanosis and giant congenital pigmented naevi**

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**O-217 Array CGH analysis for ASD patients and a patient with MAOA, MAOB deletion**

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**O-218 X chromosome inactivation towards autosome: an epigenetic mechanism and neurodevelopmental disorder**

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**Neonates 2**

**O-219 White matter injuries of congenital myotonic dystrophy and obstetric medical indemnity system**

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**O-220 Clinical meaning of newborn digital video electroencephalograph**

YOSHIYUKI WATABE*, RYOUTA KURIBAYASHI, GEORGE IMATAKA, OSAMU ARISAKA

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O-221 Clinical investigation of the EEG findings in neonatal seizures
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O-222 Determinants of local cerebral temperature in healthy newborn infants
SACHIKO IWATA, OSUKE IWATA, TAKASHI OYA, TOYOJIRO MATSUISHI
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O-223 Establishment of early circadian rhythm in newborn infants
NORIKO KIMURA, HISAYOSHI OKAMURA, SACHIKO IWATA, OSUKE IWATA, TOYOJIRO MATSUISHI
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University School of Medicine, Kurume

O-224 The examination of the brain function and metabolism using NIRS
TAKASHI OHYA, OSUKE IWATA, SACHIKO IWATA, IKUHIKO SHIBUYA, MUNETSUGU HARA,
SHINICHIROU NAGAMITSU, YUUSHIROU YAMASHITA, TOYOJIROU MATSUISHI
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O-225 Neuroprotective effects of xenon after transient cerebral hypoxia-ischaemia in the newborn piglet
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Morphology・Pathology 2

O-226 Model mouse of cognitive dysfunction due to ischemic brain injury in extremely premature infants
KIMIKO DEGUCHI, KEN-ICHIRO KUBO, KAZUNORI NAKAJIMA, KEN INOUE
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O-227 Syringomyelia associated with chronic tonsilar herniation (Chiari type I malformation)
HIROAKI SAKAMOTO, YASUHIRO MATSUSAKA, AIKO TERADA
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O-228 Morphological development of the human abducens nucleus.II - Histometric analysis
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O-229 Effects of bisphenol A on the murine brain development: Golgi study of corticofugal neurons
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Sleep・Circadian Rhythm

O-230 Circadian rhythm development in Kindergarten children - Basic data for child behavior checklist -
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O-231 Determinants of sleep schedule variables in preschool children
SACHIKO IWATA*, OSUKE IWATA, AKIKO IEMURA, MIZUE IWASAKI, TOYOJIRO MATSUISHI
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O-232 Determinants of sleep latency and efficacy in preschool children
SACHIKO IWATA*, OSUKE IWATA, AKIKO IEMURA, MIZUE IWASAKI, TOYOJIRO MATSUISHI
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O-233 Importance of the treatment to the sleep disorder in 3 PDD patients
SHIGEYUKI MATSUZAWA*, SEIKI TAJIMA, TERUHISA MIKE
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O-234 Relationship between sleep problems and behavior problems: a survey using CASC
FUMIE HORIUCHI*, YASUNORI OKA
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O-235 Sleep habit of children and adolescent: a survey using CASC
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Development 2

O-236 Mother-Infant Interaction Increase and Maintain the Attention of Infants -an Eye Tracking Study-
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6 Department of Children’s Education, Jin-ai University, Fukui

O-237 Relationship between working memory and reading ability in healthy children
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O-238 Development of phonological strategy in short-term memory: a near-infrared spectroscopy study
MASAFUMI SANEFUJI1, YUI YAMAGUCHI1, NAOKO KIMURA2, HIROYUKI TORISU1, RYUTARO KIRA1, YOSHITO ISHIZAKI1, SOO-YOUNG LEE1, TOSHIRO HARA1
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O-239 Analysis of Word Recognition across Their First Language, Second Language, and Word Concepts
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2 Faculty of Life Design, Toyo University
3 Faculty of Medicine, Chiba University

O-240 The cognitive development of hemiplegic children
YURI NARITA1, SHIN-ICHIRO HAMANO2, MAI KURODA1, NORIYUKI MINAMITANI1, MANABU TANAKA2, KENJIRO KIKUCHI1
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O-241 The changes of children's mental development for the past 50 years in Japan
HIDEYO GOMA1, HIROMI KOTANI2, TOMOMI IKEDA3
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3 Hyogo University, Kakogawa

Vascular Disease 2 • Tumor 2

O-242 Long-term follow-up of surgically or medically treated juvenile patients with moyamoya disease
TADASHI NARIAI1, MAKI MUKAWA, TOSHIYA MOMOSE, TAKETOSHI MAEHARA, KIKUO OHNO
Department of Neurosurgery, Tokyo Medical and Dental University, Tokyo

O-243 The case report of fibromuscular dysplasia diagnosed from recurrent cerebral infarction
HIDENORI OHNISHI1, ORII KENJI1, MASAHIRO MORIMOTO1, ZENICHIRO KATO1, NAOMI KONDO1, YOSHIKATSU GOTO2, YUICHI GOTO1, ICHICHIRO NISHINO2, HIDEKI IWATA3
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O-244 A 12 years child was diagnosed as Hereditary hemorrhagic telangiectasia with Brain Stem infarction
SHINJIRO NAKASORA1, HIROKI HASUMI1, YAYUMI KAMIYAMA1,2, YUKIHIKO FUJITA1,2
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O-245 Antiphospholipids in childhood and its relationship with human herpesvirus-6 infection
MITSUO TOYOSHIMA1, SHINSUKE MARUYAMA1, CHIHIRO YONEYA1, KENJI WATANABE1, RIKA FUJIIYAMA2, YOSHIFUMI KAWANO1
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O-246 Clinical presentation of brain tumors in children -WHO classification and prognosis-
SO-ICHI SUENOBU*, KAZUO OKANARI, KENSUKE AKIYOSHI, TATSURO IZUMI
Department of Pediatrics and Child Neurology, Oita University Faculty of Medicine, Oita

O-247 Difficult diagnosis in a patient with germinoma of the basal ganglia
MASAKO HARADA1, AKIHIKO NAKAHARA1, TOSHIRO IKEDA1, TAKESHI KANEUMI2
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Involuntary Movement - Basal Ganglia 2

O-248 Neurophysiological evaluation in Tourette syndrome (TS) - Premovement gating study in SEP
KAZUE KIMURA*, YOSHIKO NOMURA, YURI NAGAO, KEI HACHIMORI, MASAYA SEGAWA
Segawa Neurological Clinic for Children, Tokyo

O-249 A 14 years girl with Hyerekplexia having the GLRB mutation
JUN MINE1,2, KAZUKO KISHI1, SEIJI YAMAGUCHI1, TAKESHI TAKETANI2, SHUSUKE OTSUGO1
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O-250 A girl of 4-year-old with objective tinnitus
MASAHIRO ITO*, MASAKO HABU, TAKASHI MICHISHITA, HISAMITSU TAMAKI
The Department of Pediatrics, Tokyo Metropolitan Bokutoh Hospital, Tokyo

PC Movie 1

O-251 Two epileptic patients with self-induced seizures by peri-orbital somatosensory self-stimulation
RUMIKO TAKAYAMA*, YUKITOSHI TAKAHASHI1, YUKIKO MOGAMI1, MARIKO IKEGAMI1,
SOUICHI MUKAIDA1, HIROKO IKEDA1, KATSUMI IMAI1, HIDEKO SHIGEMATSU1, YUSHI INOUE1,
YASUHIRO SUZUKI1
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2 Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi, Osaka

O-252 A case of non-epileptic status with Rota infection was revealed by EEG and midazolam treatment
AI HOSHINO1,2, SATOKO KUMADA2, YASUO HACHIYA2, SYOUKO KANDA2, KONOMI SHIMODA2,
EIJI KURIHARA2, KIMIKO TAMAGAWA2
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2 Tokyo Metropolitan Neurological Hospital
3 Tama-Hokubu Medical Center

O-253 Cases with benign neonatal sleep myoclonus
YASUHIRO SUZUKI1, YASUHISA TORIBE, KEITARO YAMADA, KEIKO YANAGIHARA,
YASUYUKI FUTAGI, TOSHIYUKI MANO
Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi

O-254 Seizure detection of hypermotor seizure using video and pulse rate recording
KAZUYA GOTO*, KAZUHIDE IMAI
Division of Pediatrics, Nishibeppu National Hospital
O-255 Evaluation of brain activation during epileptic seizure in infancy by Near-Infrared Spectroscopy
AKIHIKO ISHIYAMA*, EIJU NAKAGAWA, SAYURI SUKIGARA, KOUICHI AIZAKI, ERI TAKESHITA, TAKEHIKO INUI, RYOKO HONDA, HIROSHI SAKUMA, HIROHUMI KOMAKI, YOSHIKI SAIIO, KENJI SUGAI, MASAYUKI SASAKI, IWAO KOBAYASHI, TAISUKE OOTSUKI
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2 Center for the Research and Support of Educational Practice, Tokyo Gakugei University, Tokyo
3 Neurosurgery, National Center of Neurology and Psychiatry, Tokyo

O-256 A case of eating epilepsy
MAKOTO KITA*, TOMONARI AWAYA, MINORU SHIBATA, TAKEO KATO
The Department of Pediatrics, Faculty of Medicine, Kyoto University, Kyoto

O-257 Statistical analysis of ictal high-frequency oscillations in epileptic spasms
HIROKI NARIAI*, TETSURO NAGASAWA, SHINICHIRO KOGA, MIHO FUKUDA
Children's Hospital of Michigan, Wayne State University, Department of Pediatrics and Neurology

O-258 An infant with gastroesophageal reflux disease
HIROKO MATSUSHITA*, SOZO OKANO, KATSUMI HAYAKAWA
Kyoto City Hospital, Kyoto

PC Movie 2

O-259 The Efficacy in Infancy of Compulsive Grasping Posture of Intact Hand for Spastic Hemiplegia
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O-260 Anesthesia management of laparoscopic fundoplication in child with gastroesophageal reflex disease
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O-261 Cortical gamma-oscillations modulated by visuomotor tasks
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O-262 A case report of juvenile GM2 Gangliosidosis
YOSHIMICHI HIRAYAMA*, CHITOSE SUGIURA, YUJI FUJII, YOSHIIHIRO MAEGAKI, KOUSAKU OHNO, KAZUNORI OGAWA
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O-263 Regenerative therapy for muscular dystrophy with MyoD transduced primary fibroblast culture
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2 Department of Child Development, Faculty of Medical and Pharmaceutical Science, Kumamoto University, Kumamoto
O-264 Two cases of streptococcus-associated encephalitis revealing psychiatric symptoms including aphonia
KONOMI SHIMODA1, YASUO HACHIYA1, SATOKO KUMADA1, SACHIKO KANDA1, AI HOSHINO2, EIJI KURIHARA1, MITUAKI BANDOU3
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O-265 Palatal myoclonus in a patient with infantile Alexander disease
MASAYUKI SASAKI1, YUTAKA NONODA, TAKAFUMI SAKAKIBARA, HIROSHI SAKUMA, KENJI SUGAI
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Peripheral Nerve 1 • Spinal

P-001 A case of spinal muscular dystrophy type 1 associated with haemophilia A
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P-002 Spinal muscular type 0: a case report
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P-003 A CIDP patient presenting as motor delay and pes equinus which is hard to diagnosis from HMSN
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P-004 Two cases of child-onset pharyngeal-cervical-brachial variant of Guillain-Barre syndrome
HISASHI ITABASHI1, TAKESHI INOUE, RYOUKO OOTANI, NOBUYUKI MURAKAMI, RYOICHI SAKUTA, TOSHIROU NAGAI
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Muscular Disease 1

P-006 Pathology of Juvenile dermatomyositis
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P-007 Database of wards for patients with muscular dystrophy in Japan
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P-008 The occurrence and the risk factor of urolithiasis in Duchenne muscular dystrophy

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KENJI SUGAI, MASAYUKI SASAKI
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P-009 LMNA mutations are common cause of congenital muscular dystrophy

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NAGAI TOSHIRO1, GEORGE IMATAKA1, SHUHEI SUZUKI1, YOSHIHIISA HIGUCH1,
MASAOS KAWATAN1, KAYOKO SAIITO1, YASUHIRO TAKEHSHIMA1, KENJI SUGAI1,
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P-010 Management of dysphagia in Fukuyama type Congenital Muscular Dystrophy

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KATUTOSHI NAKATANI1, AKIRA YONEYAMA1, SYOUKO ENOMOTO1, EIJI KITAZUMI1
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P-011 Steroid therapy for a girl with mild form of Fukuyama congenital muscular dystrophy

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P-012 All day polysomnography in two infants with neuromuscular disease and locked-in state

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P-013 A case of anti-MuSK antibody-positive MG attained remission with IVIG and steroid pulse therapy

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SHINJI SAIITO1, TOMIHIRO IMAI1
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P-014 A Child with Generalized Myasthenia Gravis Successfully Treated With Immunoadsorption and IVIG

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P-015 Two Infants with Occult Systemic MG: Efficacy of Tacrolimus on Refractory Eye symptoms

YOKO YOSHIKAWA*, KEIKO ISHIGAKI, KEIKO SHISHIKURA, KYOko HIRASAWA, TAKatosHI SATOH, HARUKO SUZUKI, YOSHITO HIRAYAMA, MAKIKO OSAWA
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Cerebral Palsy  • Care 1 (Complications, Rehabilitation)

P-016 Cancelled

P-017 DRPLA patient with Fanconi syndrome induced by Valproate sodium and Carnitine needed for improvement

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P-018 Evaluation of serum level of carnitine in handicapped person doing enteral nutrition

USHIO OHTAKI1, HIROSHI OZAWA, TAKEHIRO ISHIZUKA, AKIHIKO KAMIISHI, KYOko SASAKI, SUEMI NAKAJIMA, MITUKO SUGIMORI, AYAKO KATAYAMA, KIYOSHI ARIMOTO, SATOSHI KIMIYA
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P-019 Characteristics of cataract in patients with severe motor and intellectual disabilities

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P-020 Esophageal bleeding in patients with severe motor and intellectual disabilities with scoliosis

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P-021 Rehabilitation approach to neurobehavioral disorders in children with acute encephalitis

YUMI OKOSHI1, HITOMI NOGUCHI, YUKO TAKI, SHUHEI IDE, YUKIHIRO OSAWA, SHIHou HONZAWA, MINA YOKOYAMA, TATUO MASUYAMA, YUJI IWASAKI, MASATAKA ARIMA
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P-022 Summary and problem of six years of outpatient pediatric rehabilitation in general hospital

MASAO MORITA1
Funabashi Futawa Hospital

P-023 Changes in medical-care requirement levels of persons with SMID in our institution

AKIKO NAGAE1, JUNKO ABE, YASUYUKI FUJITA, MASAO KUMODE
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P-024 How to manage Children and Youth with Special Health Care Needs (CYSHCN)

NOBUUYUKI YOTANI1, HIDEKI HOSHINO2, MASAYA KUBOTA2, SHINJI OANA1, SUSUMU YOKOYA3, HIROKAZU SAKAI1
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Cerebral Palsy • Care 2 (Home Care, Respiratory Care)

P-025 Analysis of the patients who required medical care after discharge from our NICU
NOBUTO MITSUFUJI*, MINAKO KIHARA
Department of Neonatology, Kyoto First Red Cross Hospital

P-026 A Gunma children's medical center manual for home nursing care
MIO WATANABE*, TAKASHI SHIHARA
Department of Neurology, Gunma Children's Medical Center

P-027 respiratory biomarker for severe motor and intellectual disabilities
SHINYA KOIZUMI1, TAKAYUKI HATORI1, OSAMU FUJINO1, YASUHIKO KAWAKAMI1, MARIKO FUJIMATSU2, TAKEHISA FUJITA1, ATSUSHI TAKAGI1, KENTARO KUWABARA1, YASUKO TAKAISHI1
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P-028 Effect of noninvasive positive pressure support for the severe handicapped patient
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Nakano Children's Hospital

P-029 Case analyses of Severe Motor and Intellectual Disabilities receiving NPPV for respiratory disorder
SHUJI MATSUI*, SATOKO TAKEI, MITSUNOBU MATSUDA, TOYOKO ARAKAWA, NOBUYUKI TAKECHI, KEIKO WADA, KEIKO AKAHOSHI, TOSHIHIDE SHIIKI, MASUKO FUNAHASHI, YASUYUKI SUZUKI
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P-030 Long-term effect and problems of MI-E in patients with severe motor and intellectual disabilities
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2 Donguri Children's Clinic, Miyazaki

P-031 Prognosis of persons with SMID following tracheotomy I: Chronological changes
KOICHI MARUYAMA1, HIROKAZU KURAHASHI1, MOTOMASA SUZUKI1, KIYOKUNI MIURA1, TOSHIYUKI KUMAGAI1, AKIKO MATSUMOTO1, CHIEMI HAYAKAWA1, SHUJI MIYAZAKI1
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P-032 Prognosis of persons with SMID following tracheotomy II: difference among ages at operation
HIROKAZU KURAHASHI1, MOTOMASA SUZUKI1, KOICHI MARUYAMA1, KIYOKUNI MIURA1, TOSHIYUKI KUMAGAI1, AKIKO MATSUMOTO1, CHIEMI HAYAKAWA2, SHUJI MIYAZAKI1
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Neuroimaging 1

P-033 A case of Sturge-Weber syndrome
AYAKO NAKAMURA*, MAKI HASEGAWA, YUKI IMAI, KOJI HASHIMOTO, YUKIHiko FUJITA,
TATSUO FUCHIGAMI, YASUJI INAMO, HIDEO MUGISHIMA
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P-034 A 4-month-old infant with cavernous sinus syndrome associated with oculomotor nerve palsy
KOO NAGASAWA1, KATUNORI FUJII1, RYO TANABE1, TADASHI SHIOHAMA1, MAIKO SUYAMA1,
TOMOYUKI WATANABE2, YOICHI KOHNO2
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P-035 A case of vanishing white matter disease showed rapid degradation
DAISUKE KATO
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P-036 Parieto-occipital Encephalomalacia in Neonatal Hyperammonemina with OTC Deficiency
TOHIRU OKANISHI1,2, TETSUYA ITO1, YOKO NAKAJIMA1, SATORU KOYASHI1, NAOKI ANDO1,
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P-037 A case of infantile form GM2 gangliosidosis with cerebral subcortical cysts
KAZUYA ITOMI1, YASUKO SAWAI
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P-038 The clinical characterization of callosal agenesis with interhemispheric cyst
TOMOKI MAEDA1, MIKI SHIMIZU, KAZUO OKANARI, TATSURO IZUMI
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P-039 MR Spectroscopy analyses of the two cases with symptomatic West syndrome
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Neuroimaging 2

P-040 Tractography-specific measurement in 4 pediatric patients with hemiparesis
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Morphology • Pathology 1

P-046 Aprosencephaly with rhombencephalosynapsis and hamartomatous midbrain dysplasia
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P-047 Fetal hepatic hemorrhage in a case of X-linked myotubular myopathy
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P-048 A decrease in oligodendrogenesis in the brain of mouse model for Down syndrome
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P-049 White matter abnormalities in the mouse model of GM1-gangliosidosis
IKUKO MOHRI, MASAKO TANIKE
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P-050 Gliotic Change at Periventricular White Matter in an Experimental Model of Intrauterine Infection
MAKIKO SHIMAZAKI, YUKIKO NAKAMURA, MAMI MIWA, AKIRA OKA
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P-051 Progress in expression of myelin-associated proteins on the developing brain of mbp-deficient mouse
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P-052 Ultrastructural finding of the abnormalities in a mouse model of DMRV
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Metabolic Disease 3 (Organic Acidemia, Mitochondrial Disease)
P-053 Glutaric aciduria type 1 heterozygous carrier presenting with an acute encephalopathy
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SAOKO TAKESHITA
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P-054 Serial EEG and MRI findings in an infant with isovaleric acidemia
ERI NAKAHARA1, AKIHISA OKUMURA, MASAKO SAITOU, SHINPEI ABE, MITSURU IKENO,
YURI KITAMURA, TOSHIAKI SHIMIZU
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P-055 Clinical characteristics of 3-hydroxyisobutyric aciduria in four patients
RYOKO HONDA1, YOSHIKI SAITO1, SEIJI YAMAGUCHI2, MARIKO MOMOI1, HIROSHI SAKUMA1,
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P-056 The neurological prognosis of organic acidemia
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P-057 Cytochrome C oxidase deficiency in two siblings with Leigh encephalopathy
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MIHO FUKUDA1, NATSUKO ARAI1, NORIKO KAMIYAMA1, HIROSHI MURAKAMI1, MASASHI TAKI1,2,
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P-058 Leigh-like disease associated with the T9185C mutation in the mitochondrial DNA ATP6 gene
TAKESHI INOUE1, ERI TAKESHITA2, HISASHI ITABASHI3, RYOUKO OOTANI1, NOBUYUKI MURAKAMI1, RYOIUTI SAKUTA1, TOSHIROU NAGAI1, YUUITI GOTOU4
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P-059 Reversible cytochrome C oxidase deficiency myopathy with abnormal findings in basal ganglia
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P-060 A case report of MERRF/MELAS overlap syndrome with A3243G mtDNA mutation
YUSAKU ENDO1,2, KOICHI HIRANO1, TAKESHI MIYAMOTO3, TERUHIKO SUZUKI1, TAKEHIKO OHZEKI1
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P-061 A case of mitochondrial disease with 14459 mutation successfully treated by sodium succinate
YUKA MASUDA1, YOSHITAKE OYAMA, SATOKO KAMEDA, KAZUSHI ICHIKAWA, SAOKO TAKESHITA
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Metabolic Disease 4 (Lysosome, Others)

P-062 A case of mucopolysaccharidosis Type VI with acute hydrocephalus
SAYAKA KAWADA1, MAKOTO KITA, TOMONARI AWAYA, MINORU SHIBATA, TAKEO KATO
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P-063 A case of Hunter syndrome which enzyme replacement therapy has chiefly improved the breath symptom
SHIGEHIRO NAGAI1, YUMI FUJIHARA1, TOMOKO KIRINO1, KUNIAKI FUKUDA2, SHOICHI ENDOU2, MICHINORI ITOU1
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P-064 An autopsy report of a case with Gacher type-2 disease
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P-065 Clinical features of Fabry disease in four children
NATSUMI ISOBENA1,2, MASAFUMI SANEFUJI1, YOSHITO ISHIZAKI1, RYUTARO KIRA1, HIROYUKI TORISU1, TOSHIRO HARA1
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P-066 Effectiveness of cyclodextrin treatment for Niemann-Pick C disease
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P-067 Two patients of unconsciousness induced by medium chain acyl-CoA dehydrogenase deficiency
MASAKO HABU1*, TAKASHI MICHISHITA1, HISAMITSU TAMAKI1, MASAHIRO ITO1, CHIKAKO ARAKAWA2, RYUTARO KOHIRA2, TATSUO FUCHIGAMI2, TOSHIHIKO FUJITA3
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P-068 Frequent vomiting as the first manifestation of Wernicke encephalopathy
OSAMU KIZUMI1*, MASAYASU OHTA
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P-069 A pedigree with Segawa syndrome
KAZUHIRO OHYA1*, AKI ISHIKAWA1, KOKI NIKAIDO1, NOBUTADA TACHI1, HARUO SHINTAKU4
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P-070 A case report of Succinic semialdehyde dehydrogenase deficiency
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Developmental Disorders 4 (Hyperactive disorder)
P-071 Remaining symptoms of attention deficit hyperactivity disorder after treatment for Graves’ disease
YUKI KUBOTA1*, MIEKO HIROSE1, CHIEKO NARA3, MITSUGU UEMATSU1, HIROYUKI YOKOYAMA2, SHIGERU TSUCHIYA1
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P-072 Hyperactivity disorder in patients with battered child syndrome
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P-073 A clinical study of medical treatment for Attention Deficit/Hyperactivity Disorders in our institute
JUN SHIMIZU1*, NORIKO OGURO
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P-074 The target of methylphenidate therapy in attention-deficit/hyperactivity disorder
AKIKO ARAKI1*, AKIRA SASAKI, JYUNKO OHINATA, SATORU TAKAHASHI, KENJI FUJIEDA
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P-075 Effect of summer treatment program
CHIYOMI EGAMI*1, YUSHIRO YAMASHITA2, NORIKO NAKASHIMA2, IKUHIKO SHIBUYA2, MUNETUGU HARA2, TAKASHI OHYA2, MASAYUKI NAKASHIMA2, KEIKO KAWANO2, SHINICHIRO NAGAMITU2, TOYOJIRO MASTUISHI2
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P-076 Improving behavior with "adult imitation"
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Developmental Disorders 5 (Symptoms, Sleep, Screening)
P-077 Psychosomatic Presentation in Developmental disorder
MAMI MIWA*, YUKIKO NAKAMURA, MAKIKO SHIMAZAKI, AKIRA OKA
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P-078 Sleep study of Developmental disorder
YOSHITAKA IWADARE*
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P-079 Treatment of melatonin on ASD in our center
TATSUO MASUYAMA*, SYUHEI IDE, HITOMI NOGUCHI, YUKO TAKI, SHIHO HONZAWA, MINA YOKOYAMA, YUMI OOKOSHI, YASUHIRO ARAI, YUKIKO OSAWA, MICHI FUKUMIZU, YUJI IWASAKI, MASATAKA ARIMA
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P-080 Developmental examination for five-year-old children in Ohtawara, Tochigi
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Developmental Disorders 6 (PDD, Others)
P-081 Screening of children with developmental disorder by 5-year old medical checkup in Kurume City
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P-082 The outreach clinic by a team of pediatrician, psychologist, and teacher at an elementary school
AKIKO IEMURA*, KEIKO KAWANO, YUSHIROU YAMASHITA, TOYOJIRO MASTUISHI
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P-083 Clinical study of children diagnosed with HFPDD after the first elementary school
RYOKO OTANI1,2, TAKESHI INOUE1,2, MAKIKO KOIKE1,2, HISASHI ITABASHI1,2, KEIICHI SHIMAMURA1,2, NOBUYUKI MURAKAMI1,2, RYOICHI SAKUTA2
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2 Center for Child Development and Psychosomatic Medicine, Dokkyo Medical University, Koshigaya Hospital, Saitama
Learning Disability in Developmental Disorders: Clinical Symptoms and Results of 4 Reading Tasks

TOMOKA KOBAYASHI*, MASUMI INAGAKI†, YUUKI INOUE‡, KOTOE SAKIHARA§, TAKAAKI GOTOH$, KIYOMI YATABE$, HIROSHI OZAWA$, SATOSHI KIMIYA$, MAKIKO KAGA

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The team approach for children with HFPDD and OCD

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Experience of Aripiprazole on Childhood Pervasive Developmental Disorder

KOUJI MORITA*, MIO IGAWA, TAKESHI MIKAWA, MASARU TATSUNO, KAZUO ITAHASHI

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A case of 11-year-old girl with eating disorder and pervasive developmental disorder

YUKO YAMAUCHI*, TAKAYUKI NAOI, YOSUKE MAEDA, KEICHI FUNAHASHI, MIYAO MASUTOMO, MAKIKO OKUYAMA, YOHANE MIYATA, HIROYUKI IDA

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Clinical studies of head circumference and physical growth in children with autistic disorder

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A boy with Monocarboxylate Transporter 8 deficiency

KUMI NAKATSU*, TAMAKI OHASHI

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Identification of developmental disorder related human X-linked imprinting gene

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Epilepsy • Seizure Disorders 4 (West Syndrome)

Efficacy of repeated ACTH therapy in patients with intractable West syndrome

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Clinical feature of West syndrome in seven cases who were resistant to ACTH therapy

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A case of cataract associated with ACTH therapy for West syndrome

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P-094 A boy with epileptic spasms who showed marked improvement of autistic behavior by ACTH therapy

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P-095 West syndrome with Klinefelter syndrome

HIROFUMI INOUE*, TAKESHI MATSUSHIGE, TAKASHI ICHIYAMA

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P-096 A patient with "post-West syndrome" intractable epilepsy developing variable seizures after varicella

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P-097 The profile of West syndrome from 3100 cases of registration on medical aid program

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P-098 A case of alternating hemiplegia of childhood with West syndrome

YOSHINOBU OYAZATO*, ATSUSHI NISHIYAMA, MASAO ADACHI, MASANORI MURASE, AKIHITO ISHIDA

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**Epilepsy • Seizure Disorders 5**

P-099 Evolution of epilepsy in alternating hemiplegia of childhood

YOSHIHAKI SAIOT*, TAKEHIKO INUI, TAKAFUMI SAKAKIBARA, KENJI SUGAI, HIROSHI SAKUMA, HIROFUMI KOMAKI, EIJI NAKAGAWA, MASAYUKI SASAKI

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P-100 Two early-onset infantile epilepsy cases of electroencephalographic unilateral photosensitivity

HIDEKI HOSHINO1, SAYAKA OKUMURA, HIROFUMI KASHII, AKIKO KOYAMA, MASAYA KUBOTA

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P-101 EEG dipole localization of interictal spikes in child epilepsy -the third report-

AYUMI ENDO1, TATSUO FUCHIGAMI, YUKI IMAI, WAKAKO ISHI, CHIKAKO ARAKAWA, RYUTARO KOHIRA, YUKIHIKO FUJITA, HIDEO MUGISHIMA

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P-102 Hemodynamic responses in patients with hemimegalencephaly measured by near-infrared spectroscopy

KOICHI AIZAKI1, EIJI NAKAGAWA1, ERI TAKESHITA1, AKIHIKO ISHIYAMA1, SAYURI SUKIGARA1, HIROSHI SAKUMA1, HIROFUMI KOMAKI1, YOSHIHAKI SAIOT1, KENJI SUGAI1, MASAYUKI SASAKI1, TAISUKE OTSU1, IWAO KOBAYASHI1

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P-103 Cognitive function in children with epilepsy with continuous spikes and waves during slow wave sleep
YU KOBAYASHI*, TSUKASA OHASHI, NORIYUKI AKASAKA, JUN TOHYAMA
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P-104 A case of epilepsy with continuous spikes and waves during slow sleep in severely handicapped child
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2 Wakanatsu Aikuen, Okinawa

P-105 Non-convulsive status epilepticus induced by carbamazepine in childhood absence epilepsy
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P-106 Two siblings suspected of having epilepsy with myoclonic absences
KOICHI TANDA*, YOHEI SUGIMOTO
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P-107 A case of symptomatic epilepsy whose clinical features resemble that of Panayiotopoulos syndrome
RYOHEI MIYAMOTO1, SHUICHI SHIMAKAWA1, TAKUYA TANABE3, MIHO FUKUI2, HIROSHI TAMAI2
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Acute Encephalitis · Encephalopathy 4 (Clinical Aspect, Neuroimaging)

P-108 Analysis of children with acute encephalopathy in recent 10 years at Sendai City Hospital
MASARU TAKAYANAGI1,2, TARO KITAMURA1, KATSUYA YAMAMOTO2, TOSHIHIRO OHURA1
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P-109 Are there any differences between recurrent and unrecurrent encephalopathy?
IKUKO SATO1,2, KAZUHIRO HAGINOYA1, SOICHIRO TANAKA1, KEISUKE WAKUSAWA1,2, AKIRA ONUMA1
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P-110 A case of acute necrotizing encephalopathy with bilateral medial temporal lesions
TOMOKO HIRAIWA1, TAKESHI TSUJI2, YOKO KONDO2, JUN NATSUME3, KAZUYOSHI WATANABE3
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4 The Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya
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P-111 Increase of oxidative stress markers in the CSF in a patient with postencephalitic epilepsy
KENGO MORIYAMA1, AYAKO OKANO1, RIE MIYATA1, NAOYUKI TANUMA2, MASAHARU HAYASHI2, JUN KOHYAMA3
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P-112 A case of MERS associated with rotavirus gastroenteritis
TAKESHI OGOSE*
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P-113 Three cases of mild encephalitis/encephalopathy with a reversible splenial lesion
TAKATOSHI HOSOKAWA1, NAOMI MITSUDA1, HISASHI TAKASUGI1, SUMITAKA DOUNO1, AKIHIKO MAEDA1, MIKIYA FUJIEDA1, DAISUKE USUI2, YOSHIHIKO TERAUCHI2, TAKUMA HARA2, FUMIHIKO HAMADA4
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3 Department of Pediatrics, Yokohama City University Hospital, Yokohama, Kanagawa
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P-114 Reversible splenic lesion with transiently reduced diffusion in two generations
RYUTARO KIRA1,2, HIROYUKI TORISU1, MASAFUMI SANEFUJI1, YOSHITO ISHIZAKI1, TOSHIRO HARA1
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Acute Encephalitis•Encephalopathy 5 (H1N1 Influenza 1)

P-115 clinical study of 37 cases that presented nervous system symptoms with the new type influenza
TOMOKAZU KIMIZU*, TARO MATUOKA, KOUJI TUTIYA
Toyonaka Municipal Hospital

P-116 Novel influenza A (H1N1) virus-associated encephalopathy in children: Clinical manifestation of 8 cases
NOBUKO MORIYAMA*, NATSUKO OYAKE, TAKAMASA YOSHIDA
Department of Pediatrics, Hitachi Ltd. Mito General Hospital, Ibaraki

P-117 The clinical progress and diagnosis in novel influenza A virus infection suspected encephalopathy
HIROSHI IDEGUCHI*, YUKIO IHARA, YUKO TOMONOU, TAKAHITO INOUE, SAWA YASUMOTO, SHINICHI HIROSE
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P-118 Nonconvulsive seizure in children with H1N1 influenza virus infection related altered consciousness
KYOKO FUJITA1, TAKU NAKAGAWA2, YOHISUKE SAJI2, AZUSA MARUYAMA1, HIROAKI NAGASE2
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P-119 Serum and cerebrospinal fluid levels of cytokines in acute encephalopathy associated with influenza
MIHO FUKUI*, SHUICHI SHIMAKAWA¹, RYOHEI MIYAMOTO², SHOHEI NOMURA¹, MITSURU KASHIWAGI³, SOSUKE YOSHIKAWA⁴, TAKUYA TANABE³, KOHJI AZUMAGAWA¹, HIROSHI TAMAI¹
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P-120 A case report of influenza A (H1N1) encephalopathy with biphasic seizures and late reduced diffusion
SHINTARO YAMASHITA*, AKIHISA OKUMURA², SHINICHI NIIJIMA¹, CHIKAKO ARAKAWA³
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Acute Encephalitis•Encephalopathy 6 (H1N1 Influenza 2)

P-121 A case of influenza A (H1N1) encephalopathy with transient decrease of TSH level
YOSHIHITO OYAZATO*, ATSUSHI NISHIYAMA, MASAO ADACHI, MASANORI MURASE,
AKIHITO ISHIDA
Kakogawa Municipal Hospital

P-122 Acute encephalopathy associated with H1N1 influenza virus: a case report
TAKUYA YOKOTA*, TOHRU OKANISHI, HIDEO ENOKI
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P-123 A patient of influenza-associated pneumonia with transient EEG abnormality
SHOHEI NOMURA*, SHUICHI SHIMAKAWA¹, MIHO FUKUI¹, TAKUYA TANABE², HIROSHI TAMAI¹
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P-124 A study of influenza-associated encephalopathy caused by Pandemic (H1N1) 2009
YUKI IMAI*, TATSUO FUCHIGAMI², AYUMI ENDOH¹, CHIKAKO ARAKAWA¹, RYUTAROU KOHIRA¹,
YUKIHITO FUJITA¹, KOJI HASHIMOTO², YASUJI INAMO², HIDEO MUGISHIMA¹
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P-125 Late onset impaired consciousness and EEG abnormality post H1N1 influenza infection
KAZUHIRO MURAMATSU*, NORIKO SAWAURA, YOKO URANO, HIROKAZU ARAKAWA
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P-126 A case of H1N1 influenza encephalopathy showing with localized cortical lesion
MASAHARU OHFU*, YOKO SHIMABUKURO, TETSUHIRO SAKIHARA
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P-127 A case of H1N1 influenza encephalopathy showing with transient splenial lesion

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3 Okinawa Children Development Center, Okinawa

Infection • Autoimmune Disease 1

P-128 Pathogenesis of HUS encephalopathy; Involvement of brain cemokines in human astrocytes

NAOMI KIOKA, KOICHI MINAMI, AKIRA TAMURA, NORISHIGE YOSHIKAWA

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P-129 Anti-GMI, GD1b antibody positive Guillain-Barre syndrome's case presenting triad of Fisher syndrome

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P-130 5 case reports of Opsoclonus Myoclonus Ataxia Syndrome -clinical feature and treatment-

MAIKO SUYAMA, KATSUNORI FUJII, TADASHI SHIOHAMA, RYO TANABE, MAMIKO ENDO, YOICHI KOHNO

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P-131 Long-term alteration of anti-measles antibody titer in subacute sclerosing panencephalitis

HIROSHI SAKUMA, YOSHIAKI SAITO, HIROFUMI KOMAKI, EIIJ NAKAGAWA, KENJI SUGAI, MASAYUKI SASAKI

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P-132 The patient with subacute sclerosing panencephalitis administrated rivabirin to intraventricular

SHINPEI ABE, AKIHISA OKUMURA, ERI NAKAHARA, MITURU IKENO, MASAKO SAITO, TOSHIKI SHIMIZU, NAOYUKI TANUMA, MASAHARU HAYASHI

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P-133 Gradual recovery of speech function in a case of subacute encephalopathy

TSUKASA HIGUCHI, TAKAFUMI NISHIMURA, TAKEFUMI ISHIDA, TETSUHIRO FUKUYAMA, YUJI INABA, YUKITOSHI TAKAHASHI

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P-134 A case report of acute hemicerebellitis with adenovirus gastroenteritis

MARI YASUDA, DAISUKE KATO, NORIHISA KOYAMA, KENJI YOKOCHI

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Infection • Autoimmune Disease 2

P-135 A case of acute cerebellitis caused by rotavirus infection
IKUKO KIMURA*, YUKI IMAI, WAKAKO ISHII, AYUMI ENDOU, CHIKAKO ARAKAWA,
RYUTAROU KOHIRA, TATUO FUCHIGAMI, YUKIHIKO FUJITA, HIDEO MUGISHIMA
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P-136 A 7 year old girl of acute cerebellitis with postaseptic meningitis
KEI KOMIYA*, MASAKO HABU, TAKASIS MITISITA, HISAMITU TAMAKI, MASAHIRO ITO
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P-137 A case of AERRPS in which epileptic seizures disappeared suffering from Pseudomonas aeruginosa
GENKICHI IZUMI*, YUKITOSHI TAKAHASHI
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P-138 A case of acute encephalopathy associated with Human parechovirus 3
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P-139 A case of recurrent Tolosa-Hunt syndrome
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Involuntary Movement • Basal Ganglia 1

P-141 A case of 5-year-old boy with Segawa disease initially showed hand tremor (action dystonia)
YUKI ARAKAWA*, KYOHEI HOSINO, KOUEI OSADA, MICHIAKI NAGURA, EIKO TAKADA,
MASAHARI HAYASHI, HARUO SHINTAKU, KAZUE KIMURA, KEICHI HACHIMORI,
YOSHIKICHI NINAGA, MASAYA SEGAWA, MASANORI TAMURA
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2 Tokyo Metropolitan Institute for Neuroscience
3 Segawa Neurologic Clinic for Children
4 Osaka City University

P-142 Intrathecal Baclofen therapy for 8-year old ALD
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MASAYA KUBOTA, NOBUHITO MOROTA, SHINJII SAITO
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3 Department of Pediatrics, University of Hokkaido Graduate School of Medicine
P-143 An effective case of torticolis with botulinum toxin after rupture of arteriovenous malformations

YUTAKA NONODA\textsuperscript{1,*}, TOSHIYUKI IWASAKI\textsuperscript{1}, NOZOMI HOSODA\textsuperscript{1,2}, HIROYUKI SHIRAI\textsuperscript{1,3}, MASAHIRO ISHI\textsuperscript{2}

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P-144 Opsoclonus myoclonus ataxia syndrome associated with prolonged cerebellar ataxia

KENTARO OKUNUSHI\textsuperscript{1,*}, KATUNORI FUJII, RYO TANABE, TADASHI SIHOHAMA, MAIKO SUYAMA, YOICHI KOUNO

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Developmental Disorders 12 (Health Checkup, Support)

P-145 Health checkups for 5 years of age and follow-up

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P-146 Efficacy of the visual perception at 5-year-old health examination

YUJI INABA\textsuperscript{1,*}, TAEMI NIIMI\textsuperscript{1}, TAKAFUMI NISHIMURA\textsuperscript{1}, YUKA MISAWA\textsuperscript{1}, TAKEFUMI ISHIDA\textsuperscript{1}, TETSUHIRO FUKUYAMA\textsuperscript{1}, TSUKASA HIGUCHI\textsuperscript{1}, YOSHIKI TAKI\textsuperscript{1}

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P-147 The survey on functional impairment of children with ADHD

YUSHIRO YAMASHITA\textsuperscript{1,*}, TATSUYA KOEDA\textsuperscript{2}, MICHIO HIRATANI\textsuperscript{3}, ASAYO ISHIZAKI\textsuperscript{4}, TAKASHI HAYASHI\textsuperscript{4}, TOYOJIRO MATSUISHI\textsuperscript{1,*}

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P-148 A trial of the support for the siblings of autism spectrum disorder (ASD)

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P-149 The effectiveness of counseling for high functioning autistic non-attendance schoolchildren

TOMOKA YAMAMOTO\textsuperscript{1,*}, SAEKO SAKAI\textsuperscript{2}, ARIKA YOSHIZAKI\textsuperscript{1}, AIKA TATSUMI\textsuperscript{1}, KURIKO SHIMONO\textsuperscript{2}, MASAYA TACHIBANA\textsuperscript{1}, KUMI KATO\textsuperscript{2}, IKUKO MOHRI\textsuperscript{1,2}, MASAKO TANIKE\textsuperscript{1,2}

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P-150 Summary of development-impaired outpatients at pediatrics in a general hospital

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Developmental Disorders 13 (Parent Training, Support)

P-151 A trial for establishment of supporting system to developmental disorder in Fukui Prefecture
AKEMI TSUDA, TSUNEHISA SAKAJIRI
Fukui Prefectural Rehabilitation Center for Children with Disabilities

P-152 The role of child neurologist in the spot of special education
YUKIKO NAKAMURA, MAKIKO SHIMAZAKI, YUMIKO KOMATSU, MAMI MIWA, FUMIO BESSYO, AKIRA OKA, MEGUMI TANABE, YOUKO TANAKA
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P-153 Proposal of the school children support system using ICF-CY and Cell phone
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3 Faculty of Education and Regional Studies, University of Fukui, Fukui

P-154 The effects of parent training program for parents of a child with developmental disorders
KAZUYO NOMURA, MASAHIKO INOUE, KOUSAKU OHNO, YOSHIHIRO MAEGAKI, AKIKO KONDOU, YUJI FUJI
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P-155 The effect of parent training on behavior problems of children with attention deficit disorder
KAZUNORI MOTOYAMA, TETSUO MATSUZAKA, MITSUHIRO MATSUO, TAMAO NAGAOKA
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P-156 Effectiveness of Modified Parent Training for Mothers of Autistic children: The 2nd report
HIROKO OKUNO, IKUKO MOHRI, MASAKO TANIIKE, SAEKO SAKAI, TOMOKA YAMAMOTO, ARIKA YOSIZAKI, KUMI KATO, MASAYA TACHIBANA, EMI MURATA, AIKA TATUMI, TOSHISABUROU NAGAI
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3 Ota Memorial Sleep Center, Kanagawa
4 Course of Health Science Graduate School of Medicine, Osaka University

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P-157 Effectiveness of 5-day inpatient program to autistic children: Focusing on interpersonal relationship
SAEKO SAKAI, TOMOKA YAMAMOTO, ARIKA YOSIZAKI, AIKA TATSUMI, KURIKO SHIMONO, MASAYA TACHIBANA, IKUKO MOHRI, MASAKO TANIIKE
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2 Research Center for Children's Mental Development, Osaka University Graduate School of Medicine
P-158 The importance of cooperation between medical treatment and early intervention
AIKA TATSUMI¹, SAEKO SAKAI², TOMOKA YAMAMOTO¹, ARIKA YOSHIZAKI¹,
KURIKO SHIMONO², MASAYA TACHIBANA², IKUKO MOHRI¹, MASAKO TANIKE¹,²
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P-159 The effectiveness of psychological education using video feedback to a mother of an autistic child
ARIKA YOSHIZAKI¹, TOMOKA YAMAMOTO¹, SAEKO SAKAI², AIKA TATSUMI¹,
KURIKO SHIMONO², MASAYA TACHIBANA¹, IKUKO MOHRI¹, MASAKO TANIKE¹,²
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P-160 A case of narcolepsy with spinal fluid protein dissociation
IKUHIKO SHIBUYA¹,¹, MUNETSUGU HARA¹, TAKASHI OHYA¹, SHINICHIRO NAGAMITU¹,
YUSHIRO YAMASHITA¹, NAOHISA UCHIMURA², TOYOJO MATUSHISHI¹
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P-161 Analysis of Patients who visited the child Mental Health division of Shimane University Hospital
KAZUKO KISHI¹, YURI UCHIDA¹, JUN MINE¹, HITOSHI SEJIMA¹, SEIJI YAMAGUCHI¹
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P-162 A case of a child conversion disorder is suspected with Dystonia-like limb rigidity and dysarthria
KEIKO KAMAYACHI¹, MAKOTO KUWASHIMA¹, KAZUHIRO MURAMATSU², YOKO URANO²,
KOUICHI ARAKAWA²
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P-163 Two cases of epilepsy with Graves disease
SHIGERU NAGAKI¹, MAKIKO OSAWA
Department of Pediatrics, Tokyo Women Medical University, Tokyo

P-164 Clinical study of metabolic acidosis in benign convulsions with mild gastroenteritis
TAKAHITO INOUE¹, YUKIHIKO IHARA, YUKO TOMONOH, HIROSHI IDEGUCHI, SAWA YASUMOTO,
SHINICHI HIROSE
The Department of Pediatrics, Fukuoka University, School of Medicine

P-165 Homozygous missense mutation of SCN1B gene in a patient with Dravet syndrome
IKUO OGIWARA¹, TOJO NAKAYAMA¹,², MASAKI YOSHIMURA¹, TATEKI FUJIWARA²,
YUSHI INOUE², KAZUHIRO YAMAKAWA¹
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² Department of Pediatrics, Tohoku University School of Medicine, Sendai

P-166 2 cases of X-linked lissencephaly with absent corpus callosum and abnormal genitalia (XLAG)
TAKASHI ENOKIZONO¹, TATSUYUKI OHTO, RYUTA TANAKA, RYOU SUMAZAKI
The Department of Pediatrics, University of Tsukuba, Tsukuba
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P-171 Trials of lamotrigine for intractable epilepsy
ATSUO NEZU*, HARUHIKO AOYAMA, KUMIKO KARASAWA, HIROKO IWAMOTO, YURI CHIKUMARU, KAORI KANEKO, MAKIKO KUROSAWA, TAKIKO MATSUO
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P-172 Lamotrigine therapy for intractable epilepsy in childhood
MASAO ADACHI*, YOSHINOBU OYASATO, ATSUSHI NISHIYAMA, MASANORI NURASE, AKIHITO ISHIDA
Department of Pediatrics, Kakogawa Municipal Hospital

P-173 Efficacy of Lamotrigine in Childhood Intractable Epilepsy
SATOKO TANAKA*, ATSUSHI ARAKI, JYUNKO SUZUKA, KAZUNARI KANEKO
The Department of Pediatrics, Kansai Medical University, Osaka

P-174 Concentration-Effect and Concentration-Toxicity Relations with Lamotrigine
MASAKI TANAKA*
Tanaka Clinic, Yokohama

P-175 Effectiveness of Lamotrigine for the patients with problem behavior
KEIJI SOEBIJANTO*, HIROYUKI SATAKE, KENJIRO GONDO
Department of Child Neurology, Fukuoka Children's Hospital, Fukuoka

P-176 Ketogenic diet may control seizures by increasing the binding potential of benzodiazepine receptor
TOMOHIRO KUMADA*, TOMOKO MIYAJIMA, NOBUSUKE KIMURA, NOZOMI ODA, HIDEKI SHINOMURA, KEIKO SAITO, TATSUYA FUJII
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P-177 WEB-Research for status Epilepticus in Japan
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3 The Department of Pediatrics, St. Marianna University School of Medicine, Kanagawa

P-178 Potassium bromide for childhood intractable epilepsy
SUSUMU ITO, HIROKAZU OGUNI, MASAKO SAKAUCHI, MAKOTO FUNATSUKA, KITAMI HAYASHI, MAKIKO OSAWA
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P-179 A case of juvenile type Pompe disease died with basilar artery dissection
SHUICHI ISHIDA
Department of Pediatrics, National Hospital Organization Matsumoto Medical Center Chushinmatsumoto Hospital

P-180 Efficacy of enzyme replacement therapy for respiratory failure in late-onset Pompe's disease
TADASHI SHIHAMA, KATSUNORI FUJII, MAIKO SUYAMA, KATSUMO SUGITA, TOKIKO SUGI, HIDEO SUGIE, YOICHI KOHNO
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P-181 Long-term clinical course of a patient with phosphoglycerate kinase deficiency
TAKESHI MIYAMOTO, TERUHIKO SUZUKI, YUSAKU ENDO, KOUICHI HIRANO, TAKEHIKO OHZEKI
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P-182 A Genotype modulator of clinical severity in McArdle's disease: Influence of ACE polymorphism
MASAKO NAGASHIMA, TOKIKO SUGI, MASATO MORI, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI
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P-183 Accumulation of thymidine glycol in the brain of xeroderma pigmentosum group A and Cockayne syndrome
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P-184 Vascular changes in the brain of autopsy cases of Cockayne syndrome
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P-185 Urinary oxidative stress markers in patients with xeroderma pigmentosum and Cockayne syndrome
NAOYUKI TANUMA*1,2, RIE MIYATA1, MASAHARU HAYASHI2, MASAYA KUBOTA4, KATSUO SUGITA1, 
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P-186 Involuntary movements in twin cases of Cockayne syndrome type 3
SATOKO KUMADA*1, MASAYA KUBOTA2, AKIKO KOYAMA2, SAYAKA OKUMURA2, 
HIROFUMI KASHII2, HIDEKI HOSHINO2, MASAHARU HAYASHI3
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P-187 A patient with MLC due to 17-nucleotide deletion within the exon 5 of MLC1 gene
HARUMI SAIJO*1, TAKANORI EZOE1, YOSHIKO TAKEDA1, HIROSHI HAMAGUCHI1, 
HISAHARU SUZUKI1, YUKIO SAWAISHI2, KIYOKO KURATA1
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P-188 An Infantile Case of Methylenetetrahydrofolate Reductase Deficiency with Progressive polyneuropathy
MEGUMI TSUJI*, YOSHIHIRO WATANABE, KIYOKO SAMESHIMA, TAKAHITO WADA, MIZUE IAI, 
SUMIMASA YAMASHITA, HITOSHI OSAKA
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P-189 Re-evaluation of MCT8 deficiency as one of Pelizaeus-Merzbacher-Like diseases
YUKIO SAWAISHI*1,2, AYA HIRAYAMA1, MIYUKI TOYONO2, TAMAMI YANO2
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P-190 14-3-3 protein in the central nervous system: Part 1/ Molecular mechanisms of apoptotic signaling
KATSUNORI FUJII*, MAMIKO ENDO, HIDEKI UCHIKAWA, HIROMI MIZUOCHI, MAIKO SUYAMA, 
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P-191 14-3-3 protein in the central nervous system: Part 2/ Molecular mechanisms of apoptotic signaling
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TADASHI SHIOHAMA, RYO TANABE, KATSUO SUGITA, YOICHI KOHNO
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P-192 14-3-3 proteins in the central nervous system: Part 3 Clinical implication in child neurology
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P-193 14-3-3 proteins in the central nervous system: Part 4 Encephalitis and Mitochondria disorders
MAMIKO ENDO1, KATSUNORI FUJII1, HIDEKI UCHIKAWA1, HIROMI MIZUOCHI1, MAIKO SUYAMA1, TADASHI SHIOHAMA1, RYO TANABE1, KATSUO SUGITA1, YOICHI KOHNO1
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P-194 Steroid pulse therapy for late-onset OTC Deficiency found by hyperammonemic encephalopathy
TAKAYUKI OYANAGI1, TSUTOMU TAKAHASHI1
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P-195 Two siblings with hereditary spastic paraplegia with thin corpus callosum
KAZUSHI ICHIKAWA1, SAOKO TAKESHITA1, YOSHITAKA OYAMA1, SATOKO KAMEDA1, YUKA MASUDA1, HITOSHI OSAKA2
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P-196 Molybdenum cofactor deficiency in two siblings
AKIRA TAMURA1, NAOMI KIOKA1, KOICHI MINAMI2, NORISHIGE YOSHIKAWA2
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P-197 The case of the hypertensive encephalopathy with the familial hypercholesterolemia
NOBUYOSHI SUGIYAMA1, JYUN-ICHI YOKOYAMA1, MARUKO IEGAMI1, YOSHIHIRO MIYASHITA2, SHIN-OCHI MATSUDA1
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P-198 Clinical course of acute encephalopathy with biphasic seizures and late reduced diffusion
SHUMPEI UCHINO1,2, YOKO MIZUNO1, HIROYUKI IWASAKI1, KAN TAKAHASHI1, MAKIKO SAITO2, MASASHI MIZUGUCHI2
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P-199 An acute encephalopathy with CPT2 gene mutation on a girl with past history of convulsive status
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P-200 Clinical Reye syndrome one year after the occurrence of AESD in a patient with tuberous sclerosis
MASAHIRO KIKUCHI1, TAKUMI ISHIODORI1
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P-201 Two cases of Acute Encephalopathy with febrile convulsive status epilepticus
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P-202 Cyclosporine/Dextromethorphan therapy for acute encephalopathy following prolonged febrile seizures
TOSHIYUKI MAEDA*, MUNEAKI MATUO
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P-203 Establishment of a new system for anti-GluR autoantibody and examination of the serum from patients
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P-204 A case of anti-glutamate receptor limbic encephalitis associated with ovarian cyst
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P-205 A case of autoantibody to encephalitis with glutamate receptor successfully treated by steroid pulse
TETSUHIRO SAKIHARA¹², MASAHAARU OHFU¹, YOKO SHIMABUKURO¹, YUKITOSHI TAKAHASHI²
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² Department of Pediatrics, National Epilepsy Center, Shizuoka Medical Institute of Neurological Disorders, Shizuoka

P-206 A case of Anti-NMDA Receptor Antibody-mediated acute limbic Encephalitis
YUTAKA NEGISHI¹, KIYO HAMAGUCHI¹, SATO KOBAYASHI², NAOKI ANDO², TETSUYA ITO², HAJIME TOGARI², YUKITOSHI TAKAHASHI³
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P-207 A case of non-herpetic limbic encephalitis with abnormal signal lesion of cingulate gyrus on MRI
KUMIKO MATSUWAKE², SEICHIRO YOSHIOKA, TOMOYUKI TAKANO, YOSHIHIRO TAKEUCHI
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P-208 Non-herpetic acute limbic encephalitis accompanied with refractory seizures and delirium
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P-209 Rye-like syndrome with PLEDs on electroencephalogram and marked liver dysfunction
MIWAKO NAGASAKA*, YUKO TAKAO, YURI MIYABE, YOU OKITUKA, NAOKI HASHIMOTO,
MASAMITU NISHINO
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P-210 Clinical course and the days leading to a diagnosis of Acute Disseminated Encephalomyelitis
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2 Soga Pediatric Clinic, Chiba
3 Motojima General Hospital

P-211 Two cases of encephalitis with biphasic clinical course
MIHO FUKUI*1, SHUICHI SHIMAKAWA1, TAKUYA TANABE2, SHOHEI NOMURA1,
MITSURO KASHIWAI2, HIROSHI TAMAI1
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P-212 A case of idiopathic spinal epidural hematoma
KOHI AZUMAGAWA*
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P-213 Clinical features of presumed perinatal ischemic stroke with hemiparesis
HIROYUKI SATAKE1, KEJI SOEBUJANTO, KENJIRO GONDO
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P-214 A neonate with agenesis of the left internal carotid artery and an congenital tonsillar tumor
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P-215 Multiple stroke in a 2 years old boy with hepatitis and annular erythema
TETSURO SAKAI*1, DAIMSUKE IKUMA1, MASAYA HOSHINO1, HIROSHI NAKANO1,
HIDEI YAMANOUCHI1, AKIRA OHTAKE1, AKIRA KURAMOCHI2
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P-216 Improving of SPECT findings and clinical usefulness of TRH therapy for HHV6 encephalopathy
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P-217 Rapid expansion in cysts of encephalomalacia after neonatal herpes encephalitis: A case report
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2 Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba
P-218 A case of refractory pediatric-onset multiple sclerosis treated with cyclophosphamide therapy
TAE IKEDA1,2, SYOKO IWATANI1, YUKIHIRO KITAI1, MASAYA TACHIBANA1,2, KOJI TOMINAGA1,3, KURIKO SHIMONO1,4, TAKESHI OKINAGA1, TOSHISABURO NAGAI1, KEIICHI OZONO1
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P-219 Congenital Cytomegalovirus Infection Diagnosed in Neonatally: Report of Two Cases
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P-220 Successful treatment of valganciclovir in a case of congenital cytomegalovirus infection
YU ISHIDA1,2, TASUKU MIYAJIMA1, MASARU SHIMURA1, SHINICHIRO MORICHI1, YASUYUKI MORISHIMA1, HIROAKI JO1, SHINGO OANA1, GAKU YAMANAKA1, HISASHI KAWASHIMA1, AKINORI HOSHIKA1
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P-221 Clinical features of congenital cytomegalovirus infection as diagnosed by cord blood
TAKESHI OKINAGA1, TAE IKEDA1, YOSHIKO IWATANI1, KOJI TOMINAGA1, KURIKO SHIMONO1, HIROMI MIYAGAWA1, TOSHISABURO NAGAI1, KEIICHI OZONO1
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3 United Graduate School of Child Development, Osaka University, Kanazawa University and Hamamatsu University School of Medicine
4 Osaka Prefectural Institute of Public Health, Osaka

P-222 A case of bacterial meningitis accompanied with diffuse cortical laminar necrosis
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P-223 MR images of H. influenzae meningitis complicated bilateral severe hearing loss
KOICHI HIRANO1,2, TERUHIKO SUZUKI1, YUUSAKU ENDOH1,2, TSAKESHI MIYAMOTO1,2, TAKEHIKO OHZEKI1
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2 The Department of Pediatric Neurology, Hamamatsu City Medical Center for Developmental Medicine, Shizuoka

P-224 A case of plurent meningitis required to surgical treatment with artificial innerear
KEIKO TSUKADA1, GEORGE IMATAKA, OSAMU ARISAKA
Department of Pediatrics, Dokkyo Medical University, Tochigi
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P-225 A case of brain abscess treated by medical therapy
KAZUO KUBOTA*, TAKAHIDE TERAMOTO, YUSUKE AOKI, MICHINORI FUNATO, KENJI ORII, ZENICHIRO KATO, TOSHIYUKI FUKAO, NAOMI KONDO
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P-226 A case of chronic GVHD presenting with fasciitis, myositis, osteonecrosis and joint stiffness
YUKIKO IHARA1, YUUKO TOMONOH1, HIROSHI IDEGUCHI1, TAKAHITO INOUE1, SAWA YASUMOTO2, JIROU INAGAKI2, YOSHIHISA NAGATOSHI2, SHINICHI HIROSE1
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P-227 A case of acute pancreatitis with hypertriglyceridemia in children with chronic brain death
ATSUSHI YOKOYAMA1,2, YUUIJ FUJII1, AKIKO KONDOU1, YOSHIHIRO MAEAGAKI1, KOUSAKU OHNO2
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2 Division of Child Neurology, Tottori University Faculty of Medicine, Yonago

P-228 Two cases of Neuroleptic Malignant Syndrome
HIROTO AKAIKE1
The Department of Pediatrics, Kawasaki Medical School, Okayama

P-229 Two cases report of phenobarbital-related drug-induced hypersensitivity syndrome (DIHS)
MASARU SHIMURA1, GAKU YAMANAKA1, SHINGO OANA1, SHINICHIRO MORICHI1, YU ISHIDA1, HIROAKI IOI2, HISASHI KAWASHIMA1, TATSUKI MIYAJIMA1, AKINORI HOSHIMA1
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2 Department of Pediatrics, Hachioji Medical Center

P-230 Clinical course and immunological study of a neurodegenerative Langerhans cell histiocytosis case
TETSUHIRO FUKUYAMA1, TAKAHUMI NISHIMURA1, TAKEHUMI ISHIDA1, YUUIJ INABA1, KENICHI KOIKE1, SHUUICHI ISHIDA1, TSUKASA HIGUCHI1
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2 Pediatrics, Matsumoto Medical Center Chushin Matsumoto Hospital
3 Pediatrics, Nagano Prefectural Suzaka Hospital, Suzaka

P-231 A case of autoimmune encephalitis that presented intractable involuntary movement
TOMOTA ORITSU1,2, SHINICHIRO HAMANO1, MOTOYUKI MINAMITANI2, MANABU TANAKA1, KENJIRO KIKUCHI1, REIKO KICHIHARA1, HIROYUKI IDA1
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P-232 Bilateral striatal necrosis associated with Mycoplasma pneumoniae meningoencephalitis
DAIZO UENO1, KOICHI HIRANO1, TERUHIKO SUZUKI1, YUUSAKU ENDO1,2, TAKESHI MIYAMOTO1,2, TAKEHIKO OHZEKI1
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**P-233 A Case of Drug-induced hypersensitivity syndrome due to Lamotrigine**

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**Congenital Anomaly・Chromosomal Abnormality 1**

**P-234 The case of trisomy 13 with epilepsy who medicated home care**

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**P-235 Two cases with 8p monosomy and 9p trisomy manifesting with atypical benign partial epilepsy variant**

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**P-236 Xq28 duplication involving MECP2 and L1CAM gene in a male patient with severe mental retardation**

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**P-237 A case with 1p36 deletion syndrome identified by MLPA screening for subleromeric deletions in MCR/MR**

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**P-238 An autopsy case showing facial dysmorphism, liver cirrhosis and micrencephaly**

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P-239 A girl of 3p-syndrome with angioblastoma in cerebellum
NAOMI FUKUYO*1, KAZUHIRO HAGINOYA1,2, TOSHIHIRO KUMABE3, MITSUGU UEMATSU1, SHIGERU TSUCHIYA1
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2 Takuto Rehabilitation Center for Children, Sendai
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P-240 Cerebellar vermis hypoplasia and del (3) (q22q25.3): a case report
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Congenital Anomaly • Chromosomal Abnormality 2

P-241 A case of 1q43 deletion presenting microcephaly
YUME SUZUKI*, MARI SAITOU, MASATO MORI, TAKANORI YAMAGATA, MARIKO MOMOI
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P-242 Jacobsen syndrome with periventricular heterotopia
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P-243 Longitudinal MRA study revealed a blood stealing phenomenon in PHACE syndrome
YOSUKE YAMADA*, KATSUNORI FUJII, KEIKO ICHIMOTO, MAIKO SUYAMA, TODASHI SHIOHAMA, YOICHI KOHNO
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P-244 Severe hypokalemia causing fatal ECG abnormality in a patient with Costello syndrome
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P-245 A study on anomalies of Down syndrome patients
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P-246 Analysis of chromosomal structural aberrations using GD array
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P-247 The clinical heterogeneity and its basic pathogenesis of holoprosencephaly
MIKI SHIMIZU*, KAZUHITO SEKIGUCHI, TOMOKI MAEDA, SEIGO KOREMATSU, TATSURO IZUMI
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P-248 The neurological long term outcome and epileptic characterization in patients with Sotos syndrome
ATSUKO MATSUZUKA, TOMOKI MAEDA, SEIGO KOREMATSU, TATSURO IZUMI
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Genetics 3

P-249 New Screening Method of Creatine Metabolic Disorders for Mental Retardation Patients
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P-250 Siblings of Xeroderma Pigmentosum group A with heterozygotes for the AlwNI and the MseI mutation
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P-251 A case of the pedigree with episodic ataxia type 2
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P-252 A case of von Hippel-Lindau disease associated with bilateral retinal hemangioblastomas
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Brain Tumor 1 • Neurosurgery

P-253 Tranilast is effective for plexiform neurofibroma: a case report
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P-254 Two cases of neuroblastoma only with ataxia
AYAKO SHIMAO, YOSHIHIISA HIGUCHI
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P-255 An investigation of neurological complications of intracranial germ cell tumors
KAZUSHI MIYA, KAZUHIRO HONGOU, TOSHI MIYAWAKI
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Developmental Disorders 15 (Examinations)

P-261 Effects of methylphenidate accessed by the Kiddie Continuous Performance Test
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P-262 Comparative study of PDD and AD/HD by the Keio version Wisconsin card sorting test
YOKO KADO1, SATOSHI SANADA2, MASAFUMI YANAGIHARA2, TATSUYA OGINO3, SHIGERU OHNO4, KOUSUKA NAKANO5, KIYOKO WATANABE6, TERUKO MOROOKA6, MAKIO OKA7, YOKO OHTSUKA8
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P-263 The Characteristic of Children with Learning Disabilities by the DN-CAS
NORIKO NAKASHIMA1, YUSHIRO YAMASHITA2, TOYOJIRO MATSUSHI2, MASUMI INAGAKI3
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3 National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo
P-264 A new analysis of smooth pursuit in developmental disorder children
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P-265 Relation between the shape of pen-holding and handskill in the preschool-aged children
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P-266 A study of behavioral traits using PARS in a pediatric neurology unit
EMI MURATA1, TOSHIABURU OYAGI2, KOJI TOMINAGA3, KURUKO KAGITANI SHIMONO4,
TAKESHI OKINAGA1, IKUKO MOURI1, MASAKO TANIIKE1, KEIICHI OZONO1
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P-267 Neural correlates for breaking stereotypes: An fMRI study
KEISUKE WAKUSAWA1,2, HIROYUKI YOKOYAMA3, MIEKO HIROSE4, CHIEKO NARA4,
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Neonates 1, Development 1
P-268 A case of a neonate who was diagnosed as subarachnoid hemorrhage because of fever
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P-269 A case report of neonatal herpes encephalitis
ATSUSHI TAKAGI1, SAKAE KUMASAKA, MASANORI ABE, KENTARO KUWABARA, OSAMU FUJINO
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P-270 A neonatal case of cyclic vomiting syndrome
MARIKO ARAKI1, NAOMI MITSUDA, HISASHI TAKASUGI, TAKATOSHI HOSOKAWA,
MIKIYA HUJIEDA, HIROSHI WAKIGUCHI
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P-271 Developmental Changes of Nocturnal Sleep Behaviors among Preterm infants over two years
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P-272 The Evaluation of mental state in Congenital Insensitivity to Pain with Anhidrosis
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P-273 Developmental Evaluation of Infants discharged from Osaka baby nursery home
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P-274 Common pathophysiology for benign paroxysmal vertigo of childhood and orthostatic dysregulation
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P-275 A case of the hemiplegic migraine that sodium valproate was effective in EEG abnormality
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P-276 Validity of graphic headache diary for childhood headache
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P-277 A case of Munchausen Syndrome by Proxy: the usefulness of electroencephalogram for diagnosing
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P-278 Sleep spindles during early phase of acute encephalitis/encephalopathy in infants and children
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P-279 Dense-array EEG for epilepsy monitoring: advantage of multichannel data acquisition system
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P-280 Comparison of flash visual evoked potentials during awake and sleep states in children
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