

The 49th Annual Meeting of
The Japanese Society of Child Neurology

July 5-7, 2007
Osaka International Convention Center, Japan

PROGRAM

Thursday, July 05, 2007

	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
8:00					
9:00	Opening Ceremony	<div> <div>Presidential Lecture 9:00-9:30 Difference in susceptibility and vulnerability to seizures between immature and mature brains TSUNEKAZU YAMANO Chair: MORIMI SHIMADA</div> </div>			
	Presidential Lecture				
10:00	Keynote Lecture 1 9:30-10:20 Functional role of redox for neuronal disease YUTO UEDA Chair: YOSHIKATSU ETO				
11:00	Special Lecture 1 10:20-11:10 Biological clocks in brain and body HITOSHI OKAMURA Chair: MASAHUMI MATSUO	Epilepsy/Convulsive disorders 1 10:20-11:20 (O-001-006) Chair: YASUKO YAMATO Chair: TAKUYA TANABE	Infection/Immunology 1 10:20-11:20 (O-018-023) Chair: HIDETO YOSHIKAWA Chair: KATSUNORI FUJII	Metabolic disorders/ Demyelinating disease 1 10:20-11:10 (O-051-055) Chair: YASUTOSHI KOGA Chair: SEIJI YAMAGUCHI	Developmental disorders 1 10:20-11:10 (O-089-093) Chair: JIRO ONO Chair: SATOSHI TAKADA
12:00	Invited Lecture 1 11:10-12:10 Tourette syndrome and obsessive compulsive disorder PAUL LOMBROSO Chair: KAZUIE IINUMA	Epilepsy/Convulsive disorders 2 11:20-12:10 (O-007-011) Chair: TAMIKO NEGORO Chair: YASUHIRO SUZUKI	Infection/Immunology 2 11:20-12:10 (O-024-028) Chair: JUNICHI TAKANASHI Chair: SEIJI KIMURA	Metabolic disorders/ Demyelinating disease 2 11:10-12:10 (O-056-061) Chair: KOJI INUI Chair: YASUYUKI SUZUKI	Developmental disorders 2 11:10-12:10 (O-094-099) Chair: TATSUYA KOEDA Chair: MARIKO YUGE
13:00		Luncheon seminar 1 12:20-13:20 Drug Treatment for Epilepsy in Japan - Current Situation and Future View - MAKIKO OSAWA Chair: TATEKI FUJIWARA	Luncheon seminar 2 12:20-13:20 Current Status of Treatment in Pompe Disease (Glycogen Storage Disease Type II) AKEMI TANAKA Chair: KOUSAKU OHNO	Luncheon seminar 3 12:20-13:20 Role of Histaminergic Systems in Sleep-wake Regulation YOSHIHIRO URADE Chair: TERUHISA MIIKE	Luncheon seminar 4 12:20-13:20 Clinical Strategy of Anti-Oxidative Stress on Pediatric Neurological Diseases HITOSHI YAMAMOTO NAOYUKI TANUMA Chair: MASAHARU HAYASHI
14:00	Invited Lecture 2 13:30-14:30 Mechanisms of injury and plasticity in the developing brain MICHAEL V. JOHNSTON Chair: TERUHISA MIIKE	Educational Lecture 1 13:30-14:10 Neurological diseases in childhood and cytokines TAKASHI ICHIIYAMA Chair: KOHSAKU OHNO	Epilepsy/Convulsive disorders 3 13:30-14:30 (O-029-034) Chair: KITAMI HAYASHI Chair: KIMIO MINAGAWA	Electrophysiology 1 13:30-14:20 (O-062-066) Chair: ATSUSHI ARAKI Chair: MASAO AIHARA	Developmental disorders 3 13:30-14:20 (O-100-104) Chair: TAKANORI YAMAGATA Chair: KIYOKUNI MIURA
15:00	Korea-Japan Symposium of Child Neurology 1 14:30-15:10 Herpes simplex encephalitis in Korea DONG WOOK KIM Chair: MARIKO MOMOI	Workshop 1 14:30-16:20 Diagnosis and Treatment on Neonatal seizures Chair: SHINICHI NIJIMA Chair: KAZUYOSHI WATANABE	English presentation session 1 14:30-15:20 (E-001-004) Chair: MASATOSHI ITO Chair: PAUL ROMBROSO	Vascular disease 1 14:20-15:00 (O-067-070) Chair: TETSUZO TAGAWA Chair: KOHZO MORITAKE	Developmental disorders 4 14:20-15:00 (O-105-108) Chair: MASUMI INAGAKI Chair: HITOSHI HARA
16:00	Symposium 1 15:10-17:30 Classification of Acute Encephalopathy - Concept, Pathomechanism and Treatment in Acute Encephalopathy with Febrile Convulsive Status Epilepticus - Chair: MASASHI MIZUGUCHI Chair: MASASHI SHIOMI		Epilepsy/Convulsive disorders 4 15:20-16:20 (O-035-040) Chair: TATEKI FUJIWARA Chair: OSAMU KANAZAWA	Anomaly/Chromosomal disorders 1 15:00-15:50 (O-071-075) Chair: KIYOTAKA TOMIWA Chair: TOSHIHIKO YANAGAWA	Developmental disorders 5 15:00-15:50 (O-109-113) Chair: TOSHIAKI HASHIMOTO Chair: ASAYO ISHIZAKI
17:00			Epilepsy/Convulsive disorders 5 16:20-17:10 (O-041-045) Chair: JUN TOHYAMA Chair: TOHRU HOSHIDA	Cerebral palsy/ Rehabilitation 1 15:50-16:50 (O-076-081) Chair: YUKIKATSU OCHIAI Chair: KAZUO KODAMA	Myopahty 1 15:50-16:50 (O-114-119) Chair: YASUHIRO TAKESHIMA Chair: YUKITOSHI ISHIKAWA
			Epilepsy/Convulsive disorders 6 17:10-18:00 (O-046-050) Chair: TAKEHIKO MORIMOTO Chair: HIROAKI SHIHARA	Cerebral palsy/ Rehabilitation 2 16:50-18:00 (O-082-088) Chair: TATEO SUGIMOTO Chair: MASAYUKI SASAKI	Myopahty 2 16:50-17:50 (O-120-125) Chair: MIEKO YOSHIOKA Chair: KIYOSHI HAYASAKA
18:00					
19:00					
20:00	<div> <div>Wednesday, July 04, 2007 Room E 18:30- Pre-Congress seminar Chair: OKUMURA AKIHISA</div> </div>				

	ROOM F	ROOM G	ROOM H	ROOM I	RIHGA ROYAL HOTEL
8:00					
9:00	Poster Session				
10:00					
11:00					
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18:00					
19:00					Conference Banquet
20:00					

Friday, July 06, 2007

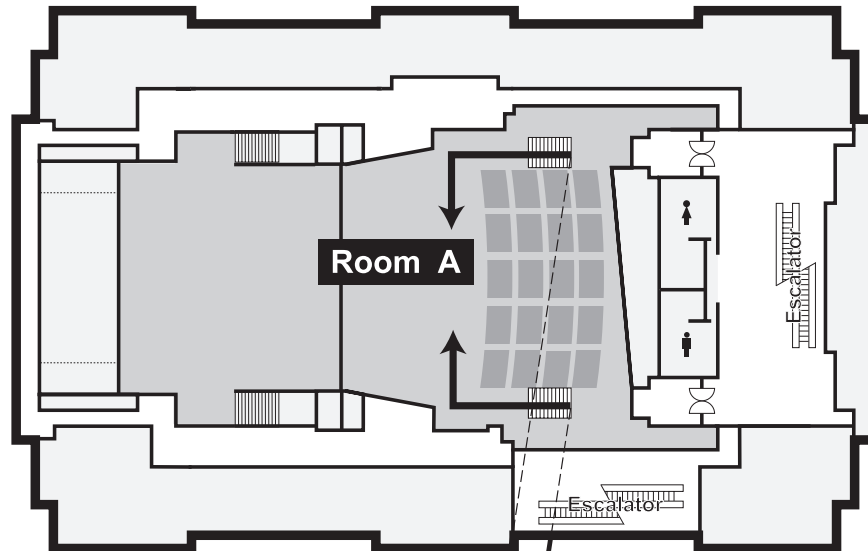
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
8:00			Morning seminar 1 8:00-8:50 Autism and AD/HD: diagnosis, medication and treatment TATSUYA KOEDA Chair: MAKIKO KAGA		
9:00	Keynote Lecture 2 9:00-9:50 The Matrix Cell and the Development of the CNS SETSUYA FUJITA Chair: TSUNEKAZU YAMANO				
10:00	Symposium 2 9:50-12:10 Molecular Genetical Approach on the Organization of Brain Chair: SHINJI HIROTSUNE Chair: MITSUHIRO KATO	Korea-Japan Symposium of Child Neurology 2 9:50-10:30 New AEDs in childhood epilepsy KI JOONG KIM Chair: SHINICHI HIROSE	Infection/Immunology 3 9:50-10:40 (O-126-130) Chair: TOSIRO HARA Chair: MITSUAKI HOSOYA	English presentation session 2 9:50-11:05 (E-005-010) Chair: MAKIKO KAGA Chair: MICHAEL V JOHNSTON	Educational Lecture 2 9:50-10:30 Neurotransmission in developmental disorders YOSHIHIRO TAKEUCHI Chair: SHINJI FUSIKI
11:00		Workshop 2 10:30-12:20 Diagnosis and Pathophysiology of Panayiotopoulos Syndrome - Underdiagnosed and underrecognized epileptic syndrome - Chair: HIROKAZU OGUNI Chair: YUKO OHTUKA	Infection/Immunology 4 10:40-11:30 (O-131-135) Chair: YUKITOSHI TAKAHASHI Chair: NORIAKI SHINOMIYA		Educational Lecture 3 10:30-11:10 Bioprotein and Its Metabolic disorder in Child Neurology HARUO SHINTAKU Chair: GORO TAKADA
12:00			Infection/Immunology 5 11:30-12:10 (O-136-139) Chair: HIDEO YAMANOUCHI Chair: TETSUO KUBOTA	Epilepsy/Convulsive disorders 7 11:10-12:10 (O-140-145) Chair: TOSHISABURO NAGAI Chair: YUTAKA AWAYA	Educational Lecture 4 11:10-11:50 Consideration of pediatric neurosurgeons on the clinical field of pediatric neurology HIROAKI SAKAMOTO Chair: SHIZUO OHI
13:00					Asian-Oceania International Educational Program 11:50-12:20 HOON-CHUL KANG Chair: TAKAO TAKAHASHI
		Luncheon seminar 5 12:30-13:30 Building of an intervention system for mental health in children - focusing on developmental disorders & AD/HD MAKIKO OKUYAMA Chair: AKINORI HOSHIKA	Luncheon seminar 6 12:30-13:30 Adverse effects of VPA TOSHIO YAMAUCHI Chair: MAKIKO OSAWA	Luncheon seminar 7 12:30-13:30 Clinical experience with clobazam in pediatrics KIYOTAKA MURAKAMI Chair: YOKO OHTSUKA	Luncheon seminar 8 12:30-13:30 Deformities in Children with Cerebral Palsy and Botulinum Toxin Therapy TSUKASA SHIMURA Chair: ATSUKO NEZU
14:00	JSCN General Assembly Award Ceremony & Award Lecture 13:30-15:30				
15:00					
16:00					
17:00					
18:00		Evening Meeting 1 18:00-20:00 Chair: EIJI KITAZUMI	Evening Meeting 2 18:00-20:00 Chair: MASATOSHI ITOU Chair: MAKIKO OHSAWA		Evening seminar 18:00-19:00 Epilepsy, and disorders of behavior and/or cognition TOSHIKI HASHIMOTO Chair: YUKO OHTSUKA
19:00					
20:00					

	ROOM F-1	ROOM F-2	ROOM G	ROOM H	ROOM I
8:00	Poster Session				
9:00					
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16:00	Infection/Immunology 6 15:00-15:30 (P-001-009) Chair: SHUICHI TSUNEISHI Chair: HIROSHI USHIJIMA	Cerebral palsy/Rehabilitation 3 15:00-15:30 (P-057-066) Chair: MASAHISA FUNATO Chair: TADASHI KITAHARA	Child development 1 15:00-15:30 (P-114-122) Chair: MASAKI OHINO Chair: MARIKO MAEZAWA	Epilepsy/Convulsive disorders 8 15:00-15:30 (P-169-177) Chair: HISASHI KAWAWAKI Chair: KUNIAKI IYODA	Perihepberal neuropathy 15:00-15:30 (P-219-227) Chair: TAKESHI OKINAGA Chair: MASAYUKI SHIMONO
17:00	Infection/Immunology 7 15:30-16:00 (P-010-019) Chair: HIDEO AIBA Chair: MASAYA KUBOTA	Cerebral palsy/Rehabilitation 4 15:30-16:00 (P-067-075) Chair: EIJI KITAZUMI Chair: TOYOKO KANDA	Developmental disorders 6 15:30-16:00 (P-123-132) Chair: HIROYUKI YOKOYAMA Chair: EIJI WAKAMIYA	Epilepsy/Convulsive disorders 9 15:30-16:00 (P-178-186) Chair: KATSUJI TANAKA Chair: YUKIO SAWAISHI	Myopahty 3 15:30-16:00 (P-228-235) Chair: TOSHIO SAITOH Chair: HIDEO SUGIE
18:00	Infection/Immunology 8 16:00-16:30 (P-020-029) Chair: YUKIKO HIRANO Chair: NAOYA ITOKAZU	Cerebral palsy/Rehabilitation 5 16:00-16:30 (P-076-084) Chair: AKIE MIYAMOTO Chair: MANA KURIHARA	Developmental disorders 7 16:00-16:30 (P-133-141) Chair: YUSIRO YAMASHITA Chair: SHINICHI HIRABAYASHI	Epilepsy/Convulsive disorders 10 16:00-16:30 (P-187-194) Chair: SHUJI WAKAI Chair: HARUMI YOSHINAGA	Metabolic disorders/Demyelinating disease 3 16:00-16:30 (P-236-244) Chair: HIROYUKI IDA Chair: EIJI NANBA
19:00	Imaging 1 16:30-17:00 (P-030-038) Chair: HIDE TSUNA Chair: UTSUNOMIYA Chair: NAOFUMI KAJII	Anomaly/Chromosomal disorders 2 16:30-17:00 (P-085-094) Chair: KENJI KUROSAWA Chair: TATSURO IZUMI	Elecrophysiology 2 16:30-17:00 (P-142-151) Chair: MASAHARU OHFU Chair: YUTAKA TOMITA	Autonomic disorders/Headache 16:30-17:00 (P-195-202) Chair: JUN KOHYAMA Chair: SHINJI FUJIMOTO	Metabolic disorders/Demyelinating disease 4 16:30-17:00 (P-245-253) Chair: YUICHI GOTOH Chair: MICHINORI ITO
20:00	Imaging 2 17:00-17:30 (P-039-047) Chair: AKIHIKO TATENO Chair: HIDEJI HATTORI	Vascular disease 2 17:00-17:30 (P-095-103) Chair: NORIO SAKURAGAWA Chair: NOBUAKI IWASAKI	Involuntary movement/Basal ganglia 17:00-17:30 (P-152-159) Chair: KENJI SUGAI Chair: MAKOTO FUNATSUKA	Mental disability/Movement diorders 1 17:00-17:30 (P-203-210) Chair: AKIHIRO YASUHARA Chair: RYOICHI SAKUTA	Metabolic disorders/Demyelinating disease 5 17:00-17:30 (P-254-262) Chair: AKEMI TANAKA Chair: TATSUYA FUJII
21:00	Imaging 3 17:30-18:00 (P-048-056) Chair: YOSHIHIRO MAEGAKI Chair: MASAFUMI MORIMOTO	Pathology 17:30-18:00 (P-104-113) Chair: TOMOYUKI TAKANO Chair: MASAHARU HAYASHI	Genetics 1 17:30-18:00 (P-160-168) Chair: EIJI NAKAGAWA Chair: HITOSHI SAKURABA	Learning disorders 1 17:30-17:45 (P-211-214) Chair: AKIRA OHNUMA Tumor 17:45-18:00 (P-215-218) Chair: HIROAKI SAKAMOTO	Neonatology 2 17:30-17:45 (P-263-267) Chair: FUMIO HAYAKAWA
22:00	Poster removal				
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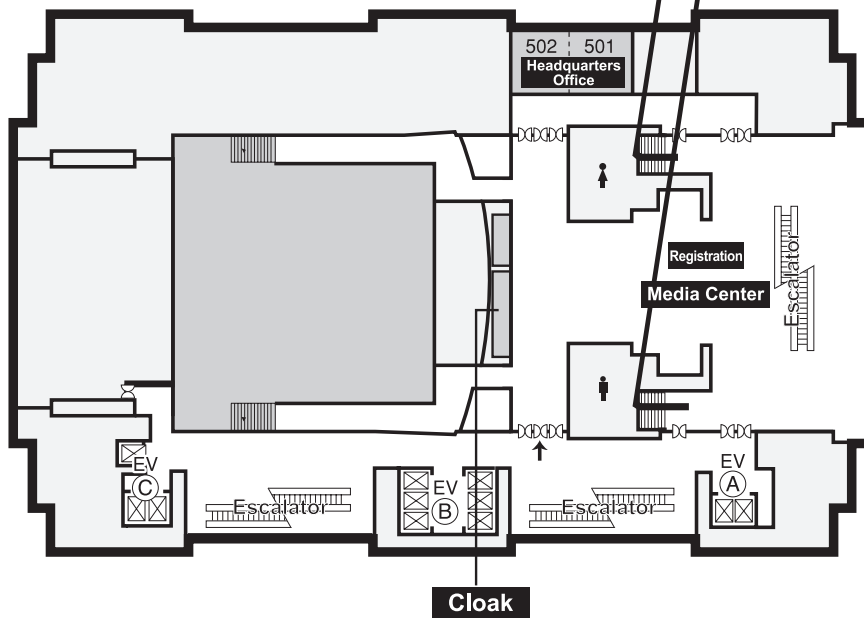
Saturday, July 07, 2007

	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
8:00			Morning seminar 2 8:00-8:50 Visualized child neurology- Involuntary movements KENJI SUGAI Chair: MARIKO MOMOI		
9:00	Educational Lecture 5 9:00-9:40 Current progress of the treatment of Duchenne muscular dystrophy MASAFUMI MATSUO Chair: TADAYUKI ISHIHARA	Educational Lecture 6 9:00-9:40 Sleep disturbance in children JUN KOHYAMA Chair: TOYOJIRO MATSUISI	Epilepsy/Convulsive disorders 11 9:00-10:00 (O-146-151) Chair: SHINICHIRO HAMANO Chair: KAZUHIRO HAGINOYA	Child development 2 9:00-10:00 (O-162-167) Chair: YUKUO KONISHI Chair: TATSUYA ISHIKAWA	Video presentation 1 9:00-9:50 (PC-001-005) Chair: TOHRU KONISHI Chair: KAZUE KIMURA
10:00	Invited Lecture 3 9:40-10:40 Animal models in the study of pediatric neurodegenerative diseases: benefit and limitation KINUKO SUZUKI Chair: GEN ISSIKI	Workshop 3 9:40-11:30 Sleep Disturbance and Developmental Disorder on Childhood Chair: MASAKO TANIKE	Genetics 2 10:00-10:50 (O-152-156) Chair: SHINJI SAITOH Chair: KAYOKO SAITOH	Imaging 4 10:00-10:50 (O-168-172) Chair: AKIRA OKA Chair: KENZO HAMANO	Video presentation 2 9:50-10:40 (PC-006-010) Chair: ATSUO NEZU Chair: YOSHIKO NOMURA
11:00	Special Lecture 2 10:40-11:30 Diagnosis and therapy of movement disorders RYUJI KAJI Chair: MAKIKO OHSAWA		Learning disorders 2 10:50-11:40 (O-157-161) Chair: YOICHI SAKAKIHARA Chair: SHUHEI SUZUKI	Imaging 5 10:50-11:40 (O-173-177) Chair: TOSHIO HANAI Chair: SHIGERU HANAOKA	Mental disability/Movement dorders 2 10:40-11:30 (O-178-182) Chair: TASUKU MIYAJIMA Chair: MASUTOMO MIYAO
	Closing Ceremony				
12:00					
13:00					
14:00	Symposium for Citizen 13:00-16:00 Prospects of Developmental Disorder - Education and Management based on Brain Function - Chair: KATSUJI TANAKA Chair: KENGO NISHIMAKI				
15:00				Satellite symposium 1 13:30-16:30	Satellite symposium 2 13:00-18:00
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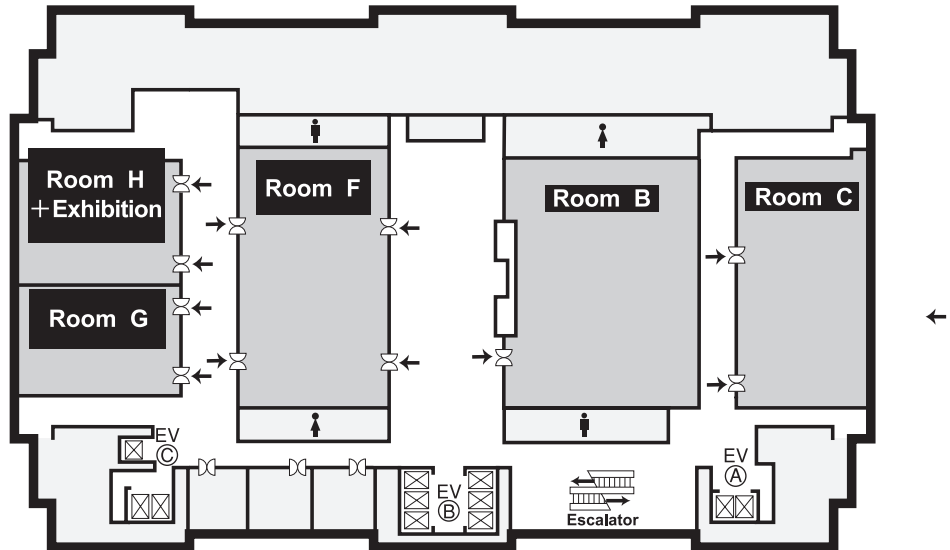
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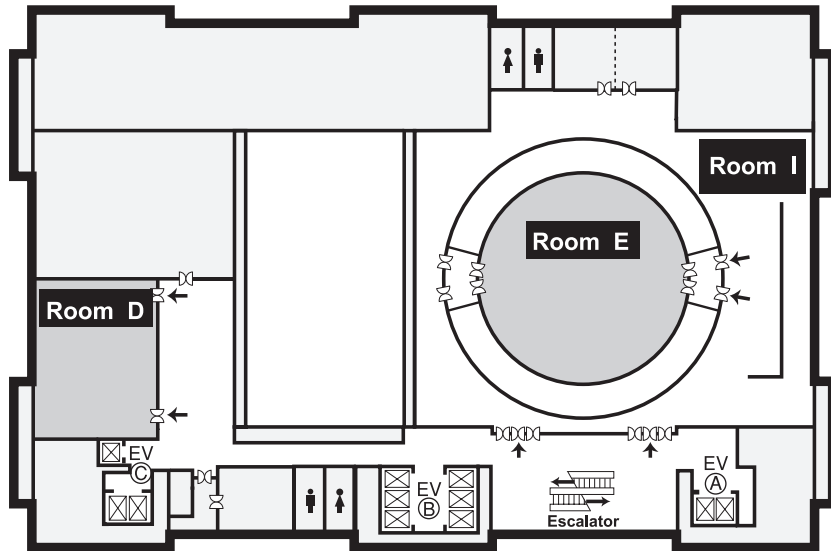
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10F



12F



Presidential Lecture

Difference in susceptibility and vulnerability to seizures between immature and mature brains

TSUNEKAZU YAMANO*

Department of Pediatrics, Osaka City University Graduate School of Medicine

Keynote Lecture 1

Functional role of redox for neuronal disease

YUTO UEDA*

Section of Psychiatry, Department of Clinical Neuroscience, Faculty of Medicine, University of Miyazaki

Keynote Lecture 2

The Matrix Cell and the Development of the CNS

SETSUYA FUJITA*

Louis Pasteur Center for Medical Research, Kyoto, Japan

Special Lecture 1

Biological clocks in brain and body

HITOSHI OKAMURA*

Division of Molecular Brain Science, Department of Brain Sciences, Kobe University Graduate School of Medicine, Kobe, Japan

Special Lecture 2

Diagnosis and therapy of movement disorders

RYUJI KAJI*

Department of Clinical Neuroscience, Tokushima University Graduate School, Tokushima, Japan

Invited Lecture 1

Tourette syndrome and obsessive compulsive disorder

PAUL LOMBROSO*

Yale University School of Medicine, New Haven, Connecticut, USA

Invited Lecture 2

Mechanisms of injury and plasticity in the developing brain

MICHAEL V. JOHNSTON*

Departments of Neurology and Pediatrics, Kennedy Krieger Institute and Johns Hopkins University School of Medicine, Baltimore, Maryland, USA

Invited Lecture 3

Animal models in the study of pediatric neurodegenerative diseases: benefit and limitation

KINUKO SUZUKI*

University of North Carolina at Chapel Hill, North Carolina, USA

Korea-Japan Symposium of Child Neurology 1

Herpes simplex encephalitis in Korea

DONG WOOK KIM*

Department of Pediatrics, Clinical Research Center, Inje University College of Medicine & Ilsan Paik Hospital, Goyang, Gyeonggi, KOREA

Korea-Japan Symposium of Child Neurology 2

New AEDs in childhood epilepsy

KI JOONG KIM*

Division of Child Neurology, Department of Pediatrics Seoul National University College of Medicine and
Seoul National University Children's Hospital, Seoul, Korea

Asian-Oceania International Educational Program

Diet therapy in refractory pediatric epilepsy: increased efficacy and tolerability

HOON-CHUL KANG*

Department of Pediatrics, Epilepsy Center, Sanggye Paik Hospital, Inje University College of Medicine, Seoul,
Korea

Educational Lecture 1

Neurological diseases in childhood and cytokines

TAKASHI ICHIYAMA*

Department of Pediatrics, Yamaguchi University School of Medicine

Educational Lecture 2

Neurotransmission in developmental disorders

YOSHIHIRO TAKEUCHI*

Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan

Educational Lecture 3

Biopterin and Its Metabolic disorder in Child Neurology

HARUO SHINTAKU*

Department of Pediatrics, Osaka City University Graduate School of Medicine

Educational Lecture 4

Consideration of pediatric neurosurgeons on the clinical field of pediatric neurology

HIROAKI SAKAMOTO*

Department of Pediatric Neurosurgery, Osaka City General Hospital, Osaka, Japan

Educational Lecture 5

Current progress of the treatment of Duchenne muscular dystrophy

MASAFUMI MATSUO*

Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan

Educational Lecture 6

Sleep disturbance in children

JUN KOHYAMA*

Tokyo Kita Shikai Hoken Hospital, Tokyo, Japan

Symposium 1 Classification of Acute Encephalopathy - Concept, Pathomechanism and Treatment in Acute Encephalopathy with Febrile Convulsive Status Epilepticus -

Classification of acute encephalopathies: Acute encephalopathy with febrile convulsive status epilepticus

MASASHI MIZUGUCHI*

Department of Pediatrics, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan

a concept of acute encephalopathy with febrile convulsive status epilepticus(AEFCSE) and theophylline as one of its precipitating causes

MASASHI SHIOMI*

Department of Pediatric Emergency Medicine, Osaka City General Hospital, Osaka, Japan

Neuroimaging of acute encephalopathy with biphasic seizures and late reduced diffusion

JUNICHI TAKANASHI*

Department of Pediatrics, Kameda Medical Center, Kamogawa, Japan

Acute infantile encephalopathy predominantly affecting the frontal lobes (AIEF): SPECT study

HIDEO YAMANOUCHI*

Department of Pediatrics, Dokkyo University School of Medicine, Tochigi, Japan

Cytokines in the pathogenesis of acute encephalopathy following prolonged febrile seizures

TAKASHI ICHIIYAMA*

Department of Pediatrics, Yamaguchi University School of Medicine

Status epilepticus type of acute encephalopathy from the viewpoint of serum and cerebrospinal fluid cytochrome c levels

MITSUAKI HOSOYA*

Department of Pediatrics, Fukushima Medical University School of Medicine, Fukushima, Japan

Initial treatment of theophylline-associated seizure

HIDETO YOSHIKAWA*

Department of Neurology, Miyagi Childrens Hospital, Sendai, Japan

Symposium 2 Molecular Genetical Approach on the Organization of Brain

The transcription factor network that regulates brain development

RYOICHIRO KAGEYAMA*

Institute for Virus Research, Kyoto University, Kyoto, Japan

LIS1 regulates cytoplasmic dynein and microtubule organization in migrating neurons.

SHINJI HIROTSUNE*

Department of Genetic Disease Research, Osaka City University Graduate School of Medicine, Osaka, Japan

Physiological and pathological significance of Filamin A and its binding partners for the neocortical development

MAKOTO SATO*¹

¹ Div. Cell Biol. Neurosci., Dept. Morphol. Physiol. Sci., Facul. Med. Sci., Univ. Fukui

² Research and Education Program for Life Science, University of Fukui

Generating the cerebral cortical area map and its correct wiring.

TOMOMI SHIMOGORI*

RIKEN BSI SHIMOGORI Research Unit

Workshop 1 Diagnosis and Treatment on Neonatal seizures

Diagnosis and treatment issues of neonatal seizures

TETSUO KUBOTA*

Department of Pediatrics, Anjo Kosei Hospital, Aichi, Japan

A new proposal of clinical classification of neonatal seizures

AKIHISA OKUMURA*

Department of Pediatrics, Juntendo University, Tokyo, Japan

Efficacy and Safety Study of Phenobarbital Sodium Injection in Newborns with Neonatal Convulsion

KOU KAWADA*¹, SUSUMU ITOH²

¹ Maternal and Perinatal Center, Kagawa University, Kagawa, Japan

² Pediatrics, Kagawa University, Kagawa, Japan

The present condition of treatments of neonatal seizures in Japan and a proposal of new treatment protocols

HITOSHI YAMAMOTO*

Department of Pediatrics, St. Marianna University School of Medicine, Kawasaki, Japan

Workshop 2 Diagnosis and Pathophysiology of Panayiotopoulos Syndrome - Underdiagnosed and underrecognized epileptic syndrome -

Clinical Pictures and Prognosis of Panayiotopoulos Syndrome

YOSHIKO HIRANO*, HIROKAZU OGUNI, MAKIKO OSAWA

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

Clinical study on status epilepticus in Panayiotopoulos syndrome

HISASHI KAWAWAKI*

Division of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan

Pathophysiology of Panayiotopoulos syndrome estimated by EEG analysis

HARUMI YOSHINAGA*

Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry, Pharmaceutical sciences, Okayama, JAPAN

Developmental pathophysiology emerged from magnetoencephalographic investigation-Migration of focal epileptic discharges in Panayiotopoulos syndrome and comparison with Rolandic epilepsy-

OSAMU KANAZAWA*

Department of Psychiatry, Saitama Medical University, Saitama, Japan

Workshop 3 Sleep Disturbance and Developmental Disorder on Childhood

What is the best workable model of pediatric sleep medicine in Japan?

NAOKO TACHIBANA*¹

¹ Center for Sleep-related Disorders, Kansai Electric Power Hospital, Osaka, Japan

² Human Brain Research Center, Kyoto University Graduate School of Medicine, Kyoto, Japan

Sleep disturbance in pervasive developmental disorders

MASAKO TANIKE*

Dept of Mental Health and Environmental Effects Research, The Research center for Child Mental Development, Osaka University Graduate School of Medicine, Osaka, Japan

Sleep Disorders and Child & Adolescent Psychiatry

HIRONOBU ICHIKAWA*

Tokyo Metropolitan Umegaoaka Hospital

Morning seminar 1

Autism and AD/HD: diagnosis, medication and treatment

TATSUYA KOEDA*

Department of Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan

Morning seminar 2

Visualized child neurology-Involuntary movements

KENJI SUGAI*

Department of Child Neurology, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan

Luncheon seminar 1

Drug Treatment for Epilepsy in Japan - Current Situation and Future View -

MAKIKO OSAWA*

Department of Pediatrics, School of Medicine, Tokyo Women's Medical University

Luncheon seminar 2

Current Status of Treatment in Pompe Disease (Glycogen Storage Disease Type II)

AKEMI TANAKA*

Associate Professor, Department of Pediatrics, Osaka City University Medical School

Luncheon seminar 3

Role of Histaminergic Systems in Sleep-wake Regulation

YOSHIHIRO URADE*

Head, Department of Molecular Behavioral Biology, Osaka Bioscience Institute, Osaka, Japan

Luncheon seminar 4 **Clinical Strategy of Anti-Oxidative Stress on Pediatric Neurological Diseases**

Oxidative Stress on Pediatric Neurological Diseases : Acute Phase

HITOSHI YAMAMOTO*

Department of Pediatrics, St. Marianna University School of Medicine

Oxidative Stress on Pediatric Neurological Diseases : Chronic Phase

NAOYUKI TANUMA*

Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled

Luncheon seminar 5

Building of an intervention system for mental health in children - focusing on developmental disorders & AD/HD

MAKIKO OKUYAMA*

Department of Psychosocial Medicine, National Center for Child Medical Health and Development

Luncheon seminar 6

Adverse effects of VPA

TOSHIO YAMAUCHI*

Saitama Medical University, Saitama, Japan

Luncheon seminar 7

Clinical experience with clobazam in pediatrics

KIYOTAKA MURAKAMI*

Nakano Children's Hospital

Luncheon seminar 8

Deformities in Children with Cerebral Palsy and Botulinum Toxin Therapy

TSUKASA SHIMURA*

Hiroshima Prefectural Rehabilitation Center, Hiroshima, Japan

Evening seminar

Epilepsy, and disorders of behavior and/or cognition

TOSHIKI HASHIMOTO*

Department of Education for Disabled, Naruto University of Education

Evening Meeting 1

Problems of support to a person of at-home serious case child of medical care care required

BUNSEI EGAWA*

Soleil Kawasaki: The Institute of Disabled Children, Kanagawa, Japan

Current problems of day care service for children with neurological impairment in new law system for handicapped people

HIROYOSHI MIYATA*

Himeji City Center for the Disabled, Himeji, Hyogo, Japan

Current role of institutes for children with neurological impairment in new law system for handicapped people

AKIRA YONEYAMA*

National Rehabilitation Center for Disabled Children

The new Japanese welfare system for the persons with severe motor and intellectual disabilities : A forerunning trial of a small institution changed to the new system (Ryoyo-kaigo: The medical care) following The self-reliance support law for the persons with disabilities

KAZUO HIGUCHI*

Saiseikai Meiwa Hospital, Nadeshiko

Evening Meeting 2

Functional Posterior Rhizotomy and Botulinum Toxin Type A: Treatment of Lower Extremity Spasticity in Cerebral Palsy

SATOSHI SHIMABUKURO*

Pediatric Department of Okinawa Prefectural Nanbu Medical Center & Children's Medical Center, Okinawa, Japan

Guideline for Pharmacotherapy in cerebral palsy - a review of literature

MAKOTO FUNATSUKA*

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

Botulinum toxin type A therapy with severely disabled cerebral palsy

MIZUE IAI*

The Division of Neurology, Kanagawa Children's Medical Center, Kanagawa, Japan

Botulinum toxin in the management of cerebral palsy in childhood: indications and safety

ATSUO NEZU*

Children's Medical Centre, Yokohama City University Medical Centre, Yokohama, Japan

Symposium for Citizen

Prospects of Developmental Disorder - Education and Management based on Brain Function -

Pre-Congress seminar

The New Frontier of EEG/CFM Brain Monitoring in the NICU

INGMAR ROSEN*

Professor in Clinical Neurophysiology, Department of Clinical Neurophysiology, University Hospital, Lund, Sweden

The New Frontier of EEG/CFM Brain Monitoring in the NICU

LENA HELLSTROM-WESTAS*

Senior Consultant, NICU, Department of Pediatrics, University Hospital Lund, Sweden

English presentation session 1

E-001 Risk factors of brain injury related to neonatal hypoglycemia

HESHAM MONTASER*, YOSHIHIRO MAEGAKI, KOUSAKU OHNO

Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University

E-002 Expression of Interleukin 1beta and Interleukin 6 in the rat hippocampus after status epilepticus

SATORU SAKUMA*, SANAE OTANI, TOSHIKI YOKOI, HIDEJI HATTORI, OSAMU MATSUOKA, TSUNEKAZU YAMANO

Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan

E-003 A review based on the Tokyo Women's Medical university series of 102 cases with Dravet syndrome

MASAKO SAKAUCHI*, HIROKAZU OGUNI, YOSHIKO HIRANO, MAKIKO OSAWA

Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan

E-004 Molecular mechanism of loss-of-function for mutant Nav1.1 channels associated with epilepsy

IORI OHMORI^{*1}, MAMORU OUCHIDA²

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² Department of Molecular Genetics, Okayama University, Okayama, Japan

English presentation session 2

E-005 Changes in the serum creatine kinase during disease progression in Duchenne muscular dystrophy

YO OKIZUKA^{*1}, YASUHIRO TAKESHIMA^{1,2}, MARIKO YAGI³, ATSUSHI NISHIYAMA¹, YOSHINOBU OYAZATO¹, HIROYUKI AWANO¹, MASAFUMI MATSUO^{1,2}

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E-006 Dysphagia-gastroesophageal reflux complex: dysfunction of solitary tract nucleus-mediated reflex

YOSHIKI SAITO^{*1}, AKIKO KONDO¹, YURI CHIKUMARU², AKIRA MATSUI², KOUSAKU OHNO¹

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² Departments of Pediatrics and Pediatric Neurology, Yokohama Ryo-iku Medical Center, Yokohama, Japan

E-007 Brain perfusion patterns in pediatric cases of diphenylarinic acid poisoning

HIDEYO KINUGASA^{*1}, NOBUAKI IWASAKI¹, KAZUHIRO ISHII², SHINYA MIYAMOTO³, TORU TAKEDA⁴, RYUTA TANAKA⁵, TATSUYUKI OHTO⁵, AKIRA MATSUI⁵, KENJI SHIN¹, MASAHIRO TSUCHIDA^{1,6}, ATSUSHI IESHIMA⁷, TSUYOSHI OGATA⁸, HIDEO SATOH¹

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E-008 Interhemispheric connection in Autistic children, evaluation by DTI

SHIGERU HANAOKA*

Tokyo Metropolitan Kita Medical Rehabilitation Center, Jonan Branch, Tokyo, Japan

E-009 G-protein coupled receptors genes as genetic risk factor for autism

ZHILING YU*, MASATO MORI, TAKANORI YAMAGATA, MARIKO MOMOI

Department of pediatrics, Jichi Medical University, Tochigi, Japan

E-010 Single nucleotide polymorphisms of TIMP2 gene in Japanese patients with familial moyamoya disease

MARCO T PAEZ*, TOSHIYUKI YAMAMOTO

International Research and Educational Institute for Integrated Medical Sciences (IREIIMS), Tokyo Women's Medical University, Tokyo, Japan

Epilepsy/Convulsive disorders 1

O-001 Genetic susceptibility to febrile seizures; Interleukin-10 has an anti-convulsant effect

YOSHITO ISHIZAKI^{*1}, RYUTARO KIRA¹, MITSUMASA FUKUDA², HIROYUKI TORISU¹, MASAFUMI SANEFUJI¹, MARIKO IWAYAMA¹, NAOKO YUKAYA¹, TOSHIRO HARA¹

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O-002 Cytokine analysis of patients with Kawasaki disease and febrile seizures.

MASAYA KUBOTA^{*}, AI TOYOIZUMI¹, RIINA SUZUKI¹, AYAKA KOIDE¹

Department of Pediatrics, Metropolitan Hachioji Children's Hospital

O-003 Diurnal variation of febrile convulsions

MASAAKI OGIHARA^{*1}, SHUICHIRO SHIRAKAWA², TASUKU MIYAJIMA³, KOUJI TAKEKUMA³, AKINORI HOSIKA³

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O-004 Prospective study of prognostic values in febrile seizure presenting with rolandic discharges

SONOKO HATA^{*}, HIDEAKI KANEMURA¹, KAZUO HATAKEYAMA¹, MASAO AIHARA¹

Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan

O-005 UNC93B1 gene contributes to susceptibility to complex febrile seizures

RYUTARO KIRA^{*}, YOSHITO ISHIZAKI¹, HIROYUKI TORISU¹, MASAFUMI SANEFUJI¹, MARIKO IWAYAMA¹, NAOKO YUKAYA¹, TOSHIRO HARA¹

Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University

O-006 Association study of polymorphisms of the candidate genes in Japanese patients with febrile seizures

JUNKO NAKAYAMA^{*1}, NOBUAKI IWASAKI¹, KENZO HAMANO², SATOKO NAKAHARA³, MASAYASU OHTA⁴, YUMI HORIGOME⁵, KENJI SHIN¹, HIDEO SATO¹, AKIRA MATSUI⁵, TADAO ARINAMI⁶

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Epilepsy/Convulsive disorders 2

O-007 Epilepsy in early infancy. Clinical feature under 4 month old.

MOTOMASA SUZUKI^{*1}, TORU KATO¹, FUMIO HAYAKAWA¹, KAZUYA ITOMI², KIYOKUNI MIURA³, HIROYUKI KIDOKORO⁴, TETSUO KUBOTA⁴, AKIHISA OKUMURA⁵, TATSUYA FUKAZAWA⁶, KOICHI MARUYAMA⁷, YOKO KONDO⁸, JUN NATSUME⁸, KAZUYOSHI WATANABE⁹

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O-008 Epilepsy in early infancy. Clinical feature over 4 month old.

TATSUYA FUKASAWA^{*1}, MOTOMASA SUZUKI², KAZUYA ITOMI³, KIYOKUNI MIURA⁴, HIROYUKI KIDOKORO⁵, TETSUO KUBOTA⁵, TORU KATO², FUMIO HAYAKAWA², AKIHISA OKUMURA⁶, KOICHI MARUYAMA⁷, YOKO KONDO⁸, JUN NATSUME⁸, KAZUYOSHI WATANABE⁹

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O-009 Early infantile epileptic encephalopathy caused by polyalanine expansion of the ARX gene

YUKI UEDA^{*1}, KIMIaki UETAKE¹, KEITARO SUETA², KIYOSHI EGAWA², NAOKO ASAHINA², HIDEAKI SHIRAISHI², MITSUHIRO KATO³, SHINJI SAITOH²

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O-010 Long-term solo effect of ACTH therapy for West syndrome and factors influencing its outcome

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O-011 The Long Term Outcome of Shortened ACTH Therapy in West Syndrome.

HITOSHI UEDA^{*1}, KATSUMI IMI^{2,3}, TAKESHI OKINAGA^{2,3}, KURIKO SHIMONO^{2,3}, YASUHIRO SUZUKI^{2,4}, YASUHISA TORIBE^{2,4}, TAROU MATSUOKA^{2,5}, TETSUZOU TAGAWA^{2,6}, JIROU ABE^{2,7}, HIROSHI ARAI^{2,8}, JIROU ONO^{2,9}, TOSHIZABABUROU NAGAI^{2,10}

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Neonatology 1

O-012 Developmental prognosis of very low birth weight infants at corrected 1.5 years of age.

EIKO TAKADA^{*}, MICHIAKI NAGURA^{*}, KYOKO HOSHINO^{*}, MASANORI TAMURA^{*}

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O-013 Long-term neurological outcome of the neonates with late-onset circulatory dysfunction

NOBUTO MITSUFUJI^{*}, MINAKO KIHARA^{*}

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O-014 Magnetic Resonance Imaging evaluation in the survivors of co-twin demise in monochorionic twins

MIHARU ITO^{*}, HIDEYUKI OHE^{*}, TETSUO KUBOTA^{*}, HIROYUKI KIDOKORO^{*}

Department of Pediatrics, Anjo Kosei Hospital, Anjo, Japan

O-015 Change in cerebral oxygenation state in hypoxic ischemic encephalopathy

TOMOKO NISHIDA^{*1}, MASANORI NAMBA¹, MAYUMI KAWADA¹, YUKIHIKO KONISHI¹, KENSUKE OKUBO¹, TAKASHI KUSAKA², TADASHI IMAI¹, KENICHI ISOBE¹, SUSUMU ITOH¹

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O-016 Ictal EEG analysis of the neonatal convulsion using the wavelet method

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O-017 Flash visual evoked potentials in infants with bilateral Basal-Ganglia Thalamic lesions

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Infection/Immunology 1

O-018 Investigation of 27 cases with influenza encephalopathy

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O-019 Clinical Features of Acute Encephalopathy other than Influenza-associated Encephalopathy

AKIHISA OKUMURA^{*1}, HIROYUKI KIDOKORO³, TETSUO KUBOTA³, MOTOMASA SUZUKI⁴, HIROKAZU KURAHASHI², JUN NATSUME², KAZUYOSHI WATANABE⁵, TSUNEO MORISHIMA⁶

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O-020 Disadvantage of plasma exchange in acute cytokine encephalopathy

HIDEO AIBA^{*}, KEIKO HIRANO, SEIJI WATANABE, YOSHINORI OKUMURA

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O-021 The Efficacy of Early Steroid Administration for Acute Necrotizing Encephalopathy

SHINPEI ABE^{*1}, AKIHISA OKUMURA¹, MASASHI MIZUGUCHI², HIROYUKI KIDOKORO³, MITSUAKI HOSOYA⁴, HIDEO AIBA⁵, HITOSHI YAMAMOTO⁶, YOSHIHIRO MAEGAKI⁷, TAKUYA TANABE⁸, EIKO NODA⁹

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O-022 Clinical review of non-herpetic acute limbic encephalopathy in childhood

MANABU TANAKA^{*1}, NORIMICHI HIGURASHI¹, SATOSHI YOSHINARI¹, MOTOYUKI MINAMITANI², YUKITOSHI TAKAHASHI³, SHIN-ICHIRO HAMANO¹

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- O-023 A Case of Encephalitis with Measles, similar to the Acute Juvenile Female Non-Herpetic Encephalitis**
 YUTAKA NONODA^{*1}, TOSHIYUKI IWASAKI¹, KENJI TAKEI^{1,2}, NOZOMI HOSODA^{1,2}, HIROYUKI SHIRAI^{1,3}, AKEMI TOMODA⁴, YUKITOSHI TAKAHASHI⁵, MASAHIRO ISHII¹
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Infection/Immunology 2

- O-024 Multicentral investigation of mild encephalitis/encephalopathy with a reversible splenial lesion**
 HIROKO TADA^{*1}, HIDETO YOSHIKAWA⁴, HIDEO YAMANOUCI³, JUN-ICHI TAKANASHI²
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³ Department of Pediatrics, Dokkyo University School of Medicine, Tochigi, Japan
⁴ Department of Neurology, Miyagi Children's Hospital, Sendai, Japan
- O-025 The Clinical Features of Acute Encephalopathy with Callosal Pathology**
 FUMIO HAYAKAWA^{*1}, TOMOHIKO NAKATA¹, MOTOMASA SUZUKI¹, TORU KATO¹, AKIHISA OKUMURA²
¹ Department of Pediatrics, Okazaki City Hospital, Aichi, Japan
² Department of Pediatrics, Juntendo University, Tokyo, Japan
- O-026 Mild form of "acute encephalopathy with biphasic seizures and late reduced diffusion"**
 YOSHIMI CHO^{*1}, HIDEO YAMANOUCI², HIDETO YOSHIKAWA⁷, MASAHIRO TSUJI⁶, MITSUHIRO KATO⁵, YUUSUKE GOTO⁴, KATSUYA YAMAMOTO³, JUNICHI TAKANASHI¹
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³ The Department of Pediatrics, Hospital of Sendai City, Sendai, Japan
⁴ The Department of Pediatrics, Faculty of Medicine, Yamanashi University, Nakakura, Japan
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⁶ The Department of Pediatrics, Kobe city Hospital, Kobe, Japan
⁷ The Department of Neurology, Miyagi Prefectural Hospital for Children, Sendai, Japan
- O-027 Prior neurological disorders in patients with acute encephalopathy**
 YOSHIHIRO MAEGAKI^{*}, TAKEHIKO INOUE¹, YOSHIKI SAITO¹, CHITOSE SUGIURA¹, MAKOTO UENO¹, AKIKO KONDO¹, KOUSAKU OHNO¹
 Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University
- O-028 A nationwide survey on acute encephalitis with refractory, repetitive partial seizures**
 HIROSHI SAKUMA^{*1}, YUTAKA AWAYA², MASASHI SHIOMI³, HIDEO YAMANOUCI⁴
¹ Department of Child Neurology, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Kodaira, Japan
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⁴ Department of Pediatrics, Dokkyo University School of Medicine

Epilepsy/Convulsive disorders 3

- O-029 Low-dose carbamazepine therapy for benign infantile convulsions**
 NAKO SUENAGA^{*}, TAKASHI ICHIYAMA¹, HIRONORI MATSUFUJI¹, MADOKA KAJIMOTO¹, TOMOYO MATSUBARA¹, SUSUMU FURUKAWA¹
 Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Ube, Japan
- O-030 Sulthiame Treatment for Patients With Intractable Epilepsy**
 TOMOKO MIYAJIMA^{*}, TATSUYA FUJII¹, NOBUSUKE KIMURA¹, TAKAYASU MIKUNI¹, MASATOSHI ITO¹
 The Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan

O-031 Effect of Gabapentin in intractable epilepsy

TAKATERU ISHITSU*

National hospital organization Kumamoto Saisyunsou Hospital

O-032 Initial and long-term effects of cloxazolam in 39 patients with intractable epilepsy

NOBUSUKE KIMURA*, TATUYA FUJII, TOMOKO MIYAJIMA, TAKAYASU MIKUNI, MASATOSHI ITO

Siga Medical Center for Children, Siga, Japan

O-033 Efficacy and pharmacokinetic study of intranasal midazolam for the treatment of epilepsy in children

ICHIRO KUKI*, HISASHI KAWAWAKI¹, SHIHOKO OHBA¹, SHIN OKAZAKI¹, KIYOTAKA TOMIWA¹, JYUNITI ISHIKAWA², MIHO YAMAMURO², MASAO TOGAWA², MASASHI SHIOMI²

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O-034 CYP2C19 polymorphisms as a predictor of side effects of clobazam

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Epilepsy/Convulsive disorders 4

O-035 SCN1A mutation analysis of febrile seizures

MAMORU OUCHIDA*, JUNKO OHNO², IORI OHMORI³, JUNRI HATTORI², SATOSHI MANIWA⁴, NOBUYOSHI MIMAKI⁵, SUSUMU MIYAKE⁶, YOKO OHTSUKA²

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⁶ Kagawa Prefectural Hospital

O-036 Clinical characteristics of epilepsy with I1616T mutation of the SCN1A gene

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O-037 Partial epilepsy with mutations of SCN1A gene

TATSUHIKO SHIKE*, TATEKI FUJIWARA¹, JIRO SHIMOMURA¹, YUUKO KUBOTA¹, YUKITOSHI TAKAHASHI¹, YUSHI INOUE¹, KAZUHIRO YAMAKAWA²

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O-038 Long-term prognosis and risk factor of myoclonic-astatic epilepsy of early childhood.

KAZUO OKANARI*, YUMI HAMADA, SHINICHI UCHIYAMA, SEIGO KOREMATSU, TOMOKI MAEDA, KEISUKE SATOU, TATSUROU IZUMI

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O-039 EEG and neuroimaging studies on partial seizures presenting with atonic and/or myoclonic seizures

SATOKO TANAKA*, KENJI SUGAI¹, YUSAKU ENDOU¹, MAKI OSAWA¹, HIROFUMI KOMAKI¹, EIJI NAKAGAWA¹, MASAYUKI SASAKI¹, TAISUKE OTSUKI²

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- O-040 Semiology, electroencephalographic findings, and treatment of negative motor area seizures**
 KENJI SUGAI*, MAKI OHSAWA, HIROFUMI KOMAKI, EIJI NAKAGAWA, MASAYUKI SASAKI
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Epilepsy/Convulsive disorders 5

- O-041 Pathophysiological consideration of frontal lobe epilepsy with childhood onset**
 YURI NAGAO*, KAZUE KIMURA, KEI HACHIMORI, MASAMI SEGAWA, YOSHIKO NOMURA,
 MASAYA SEGAWA
 Segawa Neurological Clinic for Children, Tokyo, Japan
- O-042 Cases of Intractable Epilepsy with partial deletion or duplication of chromosome**
 SHIN OKAZAKI^{*1}, HISASHI KAWAWAKI¹, ICHIRO KUKI¹, SHIHOKO OHBA¹, KIYOTAKA TOMIWA¹,
 JUNNICH ISHIKAWA², MIHO YAMAMURO², MASAO TOGAWA², MASASHI SHIOMI²
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² Department of Pediatric Emergency Medicine, Osaka City General Hospital
- O-043 Stereotactic thermo-coagulation for hypothalamic hamartoma**
 HIROSHI MASUDA*, SHIGEKI KAMEYAMA
 Divison of Neurosurgery, Epilepsy Center, Nishi-Niigata Chuo National Hospital, Niigata, Japan
- O-044 Effect of surgery on behavior of children with intractable epilepsy**
 MITSUHIRO MATSUO*, TETSUO MATSUZAKA, KAZUNORI MOTOYAMA
 Nagasaki Prefectural Center of the handicapped children, Japan
- O-045 Intelligence of children with epilepsy**
 SEIKO FUJIKI*, TOMOMI HARAI, KAZUSHI MIYA, RYUJI KAGEYAMA, KAZUHISA HONGO,
 TOSHIO MIYAWAKI
 Toyama University, Toyama, Japan

Epilepsy/Convulsive disorders 6

- O-046 Redox in the hippocampus of EL mice: The influence of glutathione on epileptogenesis**
 YASUHIKO KAWAKAMI^{*1}, YOSHIYA MURASHIMA², KENTARO KUWABARA³, TAKEHISA FUJITA³,
 OSAMU FUJINO³, YOSHITAKA FUKUNAGA³
¹ Department of Pediatrics, Tama-Nagayama Hospital, Nippon Medical School, Tokyo, Japan
² Tokyo Institute of Phychiatry, Tokyo, Japan
³ Department of Pediatrics, Nippon Medical School, Tokyo, Japan
- O-047 Influences of IL-1beta on the propensity on hyperthermia-induced seizures in developing rats**
 MITSUMASA FUKUDA^{*1}, CHIYA SHINONAGA¹, TAKEHIKO MORIMOTO², YUKA SUZUKI³
¹ Department of Pediatrics, Ehime University Graduate School of Medicine, Toon, Ehime, Japan
² Ehime Disabled Children's Hospital, Matsuyama, Ehime, Japan
³ Strong Epilepsy Center, University of Rochester Medical Center, NY, USA
- O-048 The link between clinico-EEG findings and prefrontal lobe growth in CSWS-3-D MRI prospective study-**
 HIDEAKI KANEMURA*, KAZUO HATAKEYAMA, MASAO AIHARA
 Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- O-049 Effects of valproate sodium on amylase and lipase activities**
 YUICHI MAEDA*, HITOSHI SHIMOYAMA, HIDEAKI KANEMURA, MASAO AIHARA
 Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- O-050 Three patients with Fanconi syndrome associated with valproic acid**
 TAKAYASU MIKUNI*, NOBUSUKE KIMURA, TOMOKO MIYAJIMA, TATSUYA FUJII, MASATOSHI
 ITO
 Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan

Metabolic disorders/Demyelinating disease 1

O-051 Congenital glycosylation disorder with cutis laxa and pachygyria

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³ Department of Pathobiological Science and Technology, School of Health Science, Faculty of Medicine, Tottori University

O-052 Distribution of Cytochrome Oxidase in macaque brain

HIROKO KOSAKI^{*}

Tokyo Hospital for National Printing Bureau, Tokyo, Japan

O-053 Clinical trial of L-arginine therapy on MELAS

YASUTOSHI KOGA^{*}, SHUICHI YATSUGA, KOUJYU KATAYAMA, JYUNKO NISHIOKA, YUKIHIRO AKITA

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O-054 The results of tandem mass spectrometric assay and carnitine supplementation for a case with GA1

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O-055 Development of novel enzymatic and genetic tests for diagnosis of glycine encephalopathy

SHIGEO KURE^{*}

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Metabolic disorders/Demyelinating disease 2

O-056 Diagnosis of Fabry disease using dried blood spots

KIMITOSHI NAKAMURA^{*}, KIYOKO HATTORI, HIROSHI MITSUBUCHI, FUMIO ENDO

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O-057 DNA microarray analysis of GM1-gangliosidosis for neuronal degeneration

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O-058 Structural and biochemical study on Pompe disease

HITOSHI SAKURABA^{*}

The Tokyo Metropolitan Institute of Medical Science

O-059 Natural History of Neurological Involvement in Mucopolysaccharidosis Type II and III

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O-060 CELL THERAPY FOR THE BRAIN INVOLVEMENT IN LYSOSOMAL STORAGE DISEASE

TOMO SAWADA^{*1}, AKEMI TANAKA¹, TOSHIYUKI SETO¹, JUNICHIRO MATSUDA², EIJI NANBA³, TSUNEKAZU YAMANO¹

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O-061 Psychiatric and neurological symptoms of Wilson disease patients induced by poor medical compliance

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Electrophysiology 1

O-062 Facial recognition in patients with Williams syndrome

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O-063 Relationship between emotional autonomic response and cognition -SSR and NIRS study-

DAI YAMASHIRO^{*}, KAKUROU AOYAGI, HIDEAKI KANEMURA, YOSHIMI KAGA, TOMOKO TANDOU, YUUSUKE GOTO, KOUSUKE NAKAMURA, MASAO AIHARA

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O-064 Study of NIRS in cerebral activity during motor learning

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O-065 Gastric motility of patients with chronic and not clonic brain death assessed by electrogastrography

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O-066 Age-related magnetoencephalographic findings in patients with Panayiotopoulos syndrome

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Vascular disease 1

O-067 Correlation between IQ and cerebral metabolism induced by surgery in Moyamoya disease's patients

CHIIHIRO HOSODA^{*1}, TADASHI NARIAI¹, TAKETOSHI MAEHARA¹, TOSHIYA MOMOSE¹, KENJI ISHII², YOSHIHARU MATSUSHIMA^{1,2}, KIKUO OHNO¹

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O-068 Can varicella vaccines be preventive of cerebral infarction?

YUJIRO KOSUGI^{*}, ATSUKO MATSUZUKA, YUMI SHIMADA, MIZUHO TAKAHASHI, SEIGO KOREMATSU, SOUICHI SUENOBU, TATSURO IZUMI

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- O-069 A case of cerebral infarction associated with antiphospholipid syndrome induced by HHV6 infection**
MITSUO TOYOSHIMA*, YUICHIRO NURUKI, KAZUYUKI YOTSUMATA, YOSHIFUMI KAWANO
Department of Pediatrics, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima City, Japan
- O-070 Clinical aspects of atlantoaxial rotatory fixation**
YASUHIRO MATSUSAKA*, HIDETOSHI IKEDA, HIROAKI SAKAMOTO
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Anomaly/Chromosomal disorders 1

- O-071 A case of microcephaly with simplified gyral pattern (MSG) with diffuse intracranial calcification.**
KAZUYUKI NAKAMURA*, MITSUHIRO KATO, KIYOSHI HAYASAKA
The Department of Pediatrics, Yamagata University faculty of medicine, Yamagata, Japan
- O-072 A family of septo-optic dysplasia**
SHIHOKO OHBA*, ICHIROU KUKI, SHIN OKAZAKI, HISASHI KAWAWAKI, KIYOTAKA TOMIWA
Department of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
- O-073 Three patients with 22q11.2 microduplication syndrome**
NOBUHIKO OKAMOTO*
Department of Planning and Research, Osaka Medical Center and Research Institute for Maternal and Child Health
- O-074 Refinement of critical region for 1q44 deletion syndrome**
KENJI KUROSAWA*¹, HITOSHI OSAKA², MIZUE IAI², YOSHIO MAKITA³, SHIN HAYASHI⁴, ISSEI IMOTO⁴, JOUJI INAZAWA⁴, SUMIMASA YAMASHITA²
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³ Department of Pediatrics, Asahikawa Medical University, Asahikawa, Japan
⁴ Tokyo Medical Dental University, CREST
- O-075 Four cases of renal angiomyolipoma in Tuberous sclerosis**
SOUICHI SUENOBU*, KENSUKE AKIYOSHI, AKI ANAN, RITSUKO SONE, SEIGO KOREMATSU, TATSURO IZUMI
Pediatrics, Department of Brain and Nerve Science, Oita University Faculty of Medicine, Oita, Japan

Cerebral palsy/Rehabilitation 1

- O-076 Voluntary movement through stereotype movement in patients with Rett syndrome**
TOHSHIN GO*¹, EIKO SHIMOKAWA², YUKO MORI³, KAORU KONISHI³, YUKUO KONISHI¹
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³ Saitama Municipal General Center for the Physically Mentally and Auditory Handicapped: Sunflower Institute, Saitama, Japan
- O-077 Analysis of cognitive development of children with spastic diplegia by MVPT**
ATSUKO KIMURA*, ERIKO KOUNO, TOMOKO KOMATSU, SHIN NABATAME, YOSHIMI KATO, SATORI HIRAI, NORIKO SUZUKI, HIROSHI ARAI
Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan
- O-078 The Special Music Keyboard Connected to Switches for Patients with Severe Motor Dysfunction**
EIKO SHIMOKAWA*¹, TOHSHIN GO^{3,4}, YUKUO KONISHI^{3,4}
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⁴ Department of Infants' Brain & Cognitive Development Tokyo Women's Medical University, Tokyo, Japan
- O-079 Nutrition support team in severe motor and intellectual abilities**
YASUKO KOBAYASHI*, KIYOSHI OMURA
Devision of Pediatric Neurology, Nishitaga National Hospital, Sendai, Japan

- O-080 Surgical intervention to complications of severely handicapped persons in Osaka prefecture.**
HIROSHI ARAI^{*1}, MIHOKO MATSUOKA²
¹ Department of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan
² Osaka prefecture
- O-081 Severe Motor and Intellectual Disability who gained improvement of swallowing with head control**
TOYOKO KANDA^{*}, HARUYO HIROTA, NAOKO YOSIDA, YURIKO YAMORI
Pediatric Department of St. Joseph Hospital for people with handicaps, Kyoto, Japan

Cerebral palsy/Rehabilitation 2

- O-082 West syndrome with periventricular leukomalacia: a retrospective study on long term prognosis**
SHIN NABATAME^{*}, YOSHIMI KATO, SATORI HIRAI, HIROSHI ARAI
Division of Pediatric Neurology, Morinomiya Hospital, Osaka, Japan
- O-083 Infant neurotrauma due to the maltreatment syndrome. =How to interpret the hidden story**
SATOKO OCHI^{*1}, YOSHIO TAKAHASHI²
¹ The Department of Pediatric neurosurgery, Hokkaido Children Hospital and Medical Center
² The Department of pediatric neurosurgery, Tomakomai Neurosurgical Hospital
- O-084 Canges in the prevalence of spina bifida in Northern and Eastern Hokkaido in 1981-2004**
AKIE MIYAMOTO^{*}, AKIRA SASAKI, IKUE FUKUDA, RYUJI OKA, KAZUHIKO CHO
The Department of Pediatrics, Asahikawa Habilitation Center for Disabled Children, Asahikawa, Japan
- O-085 Incidence patterns of cerebral palsy in Shiga Prefecture, 1977-2000**
JUNKO SUZUKI^{*1}, TATSUYA FUJII², TOMOKO MIYAJIMA², NOBUSUKE KIMURA², TAKAYASU MIKUNI², MAWSATOSHI ITO²
¹ Department of Rehabilitation, Shiga Medical Center for Children, Moriyama, Japan524
² Department of Pediatrics, Shiga Medical Center for Children, Moriyama, Japan524
- O-086 Communication aid for children with devevelopmental disability**
KASUMI NAGASAWA^{*1}, HIROMI CHINEN¹, HITOMI KOMORI², MADOKA UI¹, SACHIKO INATUKI¹, MASAMI AKAISHI¹, REIKO OOTA¹, KATSUNORI YOSHINAGA¹
¹ Chiba Rehabilitation Center, Chiba, Japan
² Sodegaura Welfare Center, Chiba, Japan
- O-087 The supporting system of home care medicine in our center**
YASUHISA TORIBE^{*1}, YUKIKO MOGAMI¹, YASUHIRO SUZUKI¹
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² Division of home care medicine, Osaka Medical Center and Research Institute for Maternal and Child Health, Osaka, Japan
- O-088 Femoral bone fracture due to repeated tonic spasms in a patient with Menkes disease**
TOSHIHIRO NOMURA^{*1}, SACHIKO SHIMOZATO², TAKAYUKI MITSUHASHI², KEIICHI YAMAMOTO³, TAKAO TAKAHASHI²
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Developmental disorders 1

- O-089 The role and recognition of regional nurse for supporting the child with developmental disorders**
SATOSHI TAKADA^{*}, NOBUKO MATSUDA
Faculty of Health Science, Kobe University School of Medicine, Kobe, Japan
- O-090 Support to developmental disuturbed children by visiting nurseries**
KEIKO MAEDA^{*}, KAZUKO TUKAGOSI, SACHIYO HAYAKAWA
The Department of Neuropediatrics, Shizuoka Iryou-Fukusi Center, Shizuoka, Japan
- O-091 The assessment of motor and process skills for preschool children with developmental disorders**
YUKO HAYASHI^{*}
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O-092 Clinical diagnosis of the children requiring special support in the normal class and health checkup

SHIMA YAMAGUCHI^{*1}, SATOSHI TAKADA¹

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² Tarumi physically handicapped school

O-093 Present Status and Issues in Community Based Early Intervention System

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Developmental disorders 2

O-094 Medical examination in infancy aimed for early detection of developmental disorders in A city

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O-095 Early detection for children with mild developmental disorders by 5 year-old medical checkup

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O-096 Trials of five years old child health check in Ohtawara, Tochigi (the second report)

HIROYUKI IWASAKI^{*1}, SHINICHIROU TAKIGUCHI², KAZUMI IIDA², HIROSHI WATANABE³, HIDEO SHIMOIZUMI¹

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O-097 One-year follow-up study of kindergarten children checked up in the class of 4-year-old children

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Kyoto Prefectural Chutan-nishi Public Health Office

O-098 Trail of five year-old developmental consultation for suitable entering school

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O-099 Psychiatric Problems in physically disabled Children and Usefullness of CBCL

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Developmental disorders 3

O-100 Cerebral palsy with PDD is accompanies with atrophy of parietal lobe in PVL

YOSHIMI KATO^{*}, ATSUKO KIMURA, ERIKO KOUNO, SHIN NABATAME, SATORI HIRAI, NORIKO SUZUKI, HIROSHI ARAI

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O-101 Early symptoms of cerebral palsy children with pervasive developmental disorders

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O-102 Genetic analyses of HOXD gene in autism with short 2nd/4th digit length

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O-103 Maternal antibrain antibody in autism

KAZUHISA HONGOU^{*}, RYUUJI KAGEYAMA, KAZUSI MIYA, YASUKO FUJIKI, TOMOMI HARAI, TOSIO MIYAWAKI

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O-104 Evaluation of complications for persons with tuberous sclerosis and autism

KIYOKUNI MIURA^{*1}, TOSHIYUKI KUMAGAI¹, YU HIRABAYASHI¹, AKIKO MATSUMOTO², SYUJI MIYAZAKI², CHIEMI HAYAKAWA², SEIJI MIZUNO³, YOSHIKO SUZUKI¹, MIHO NAKAMURA⁴

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Developmental disorders 4

O-105 A study for medical examination in cohort study I -structured examination and the availability-

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O-106 The Comorbidity of HFPDD and ADHD :possibility of discrimination by CBCL/4-18

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O-107 Abnormal spike discharges in children with ADHD

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O-108 The effect of melatonin in the treatment of sleep disturbance of children and adults with autism

MARIKO KODAMA^{*}, AKIRA YONEYEMA, MIKA NAGASE, SYOKO ENOMOTO, KEIKO MURAYAMA, KATUTOSHI NAKARTANI, EIJI KITAZUMI

The National Rehabilitation Center for Disabled Children

Developmental disorders 5

O-109 Emotion recognition from expressionless faces in individuals with autistic spectrum disorder

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O-110 Attentional differences between children with ADHD and those with both PDD and ADHD symptoms

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O-111 Clinical study on the mild developmental disorders with the conduct disorders

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- O-112 The Study of cognitive and behavioral development in school children with high-functioning autism**
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AYA HUKUMOTO²

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- O-113 A Study of Basic Personal Relationship Disorder Problem in Adolescent Asperger's Disorder**
JYUNICHI FURUSHO^{*1}, KUMIKO MATSUZAKI¹, MIE SONE², YOSHIKO NEMOTO³, REIKO
SHIBATA¹, SHUICHIROU WATANABE⁴, HIROYUKI SATOH⁵, TETSUJI KUBAGAWA⁶

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Myopahty 1

- O-114 Gene Mutations and Intellectual Impairment in 146 Duchenne Muscular Dystrophy Patients.**

MARIKO YAGI^{*1}, ATSUSHI NISHIYAMA², YOSHINOBU OYAZATO², YASUHIRO TAKESHIMA^{2,3},
TAMIKO OGURA⁴, RYUJI MATSUSHIMA⁴, MASAFUMI MATSUO^{2,3}

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- O-115 Detection of DMD gene duplications/deletions by Multiplex Ligation-dependent Probe Amplification**

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- O-116 Myostatin gene analysis in Duchenne muscular dystrophy patients**

ATSUSHI NISHIYAMA^{*1}, YASUHIRO TAKESHIMA^{1,2}, MARIKO YAGI³, YOSHINOBU OYAZATO¹, YO
OKIZUKA¹, HIROYUKI AWANO¹, MASAFUMI MATSUO^{1,2}

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³ Department of Clinical Evaluation of Pharmacotherapy, Kobe University Graduate School of Medicine, Kobe, Japan

- O-117 Clinicopathological features of 14 patients with Marinesco-Sjogren syndrome due to SIL1 mutation.**

MARI OKADA^{*1}, YUSAKU ENDOU², HIROFUMI KOMAKI², TETSUO MATSUZAKA³, IKUYA
NONAKA¹, YUKIKO HAYASHI¹, ICHIZO NISHINO¹

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- O-118 Familial cases of Na channel myotonia with periodic paralysis**

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- O-119 Management of Juvenile Dermatomyositis with Low-dose Corticosteroids and Methotrexate**

KOJI TOMINAGA^{*}, NATSUKO HOSHINO^{*}, KEN ARAYA^{*}, KURIKO SHINOMO^{*}, TAKESHI OKINAGA^{*},
TOSHISABUROU NAGAI^{*}, KEIICHI OZONO^{*}

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Myopathy 2

O-120 Aberrant NMJ and delayed terminal muscle fiber maturation in alpha-dystroglycanopathies

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O-121 Long-term clinical course of patients with Fukuyama type congenital muscular dystrophy

TOSHIYUKI KUMAGAI^{*1}, YU HIRABAYASHI¹, KIYOKUNI MIURA¹, AKIKO MATSUMOTO², SHUJI MIYAZAKI², CHIEMI HAYAKAWA², MARIKO TANIGUCHI³

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O-122 Prognosis of Fukuyama type congenital muscular dystrophy (FCMD)

MICHIKO MAKINO^{*}, TOYOKO ARAKAWA, NOBUYUKI TAKECHI, KEIKO WADA, HIROYUKI CHOH, MASUKO HUNAHASHI, YASUYUKI SUZUKI

Tokyo Children's Rehabilitation Hospital, Tokyo, Japan

O-123 Study on phosphorylation and stability of SMN proteins

YUSUKE AOKI^{*}, TOSHIYUKI FUKAO, HIDENORI OHNISHI, KENJI ORII, NAOMI KONDO

Department of Pediatrics, Graduate School of Medicine, Gifu University, Gifu, Japan

O-124 Molecular analysis of Japanese patients with Charcot-Marie-Tooth disease

AKIKO ABE^{*}, KAZUKI KIJIMA, KIYOSHI HAYASAKA

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O-125 A case of acute autonomic, sensory and motor neuropathy with continuous albuminocytologic dissociation

TAKESHI HIGASHIURA^{*1}, SHIN OKAZAKI², ICHIRO KUKI², SHIHOKO OHBA², HISASHI KAWAWAKI², KIYOTAKA TOMIWA²

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Infection/Immunology 3

O-126 Purulent meningitis in children for the past 32 years

RYUTAROU KOHIRA^{*}, NORIKO TOMIO, TIKAKO ARAHAWA, TATSUO FUCHIGAMI, YUKIHIKO FUJITA, OSAMI OOKUBO

Department of Pediatrics, Nihon University School of Medicine, Tokyo, Japan

O-127 Matrix metalloproteinase9(MMP-9) of cerebrospinal fluid in children with bacterial meningitis

AYAKO OHNO^{*}, NAOHITO ARII, MASATO KANTAKE, SHIGEAKI INOUE, KENICHIRO KANEKO

Department of Pediatrics, Juntendo University Urayasu Hospital, Urayasu, Japan

O-128 Clinical Features of Subacute Encephalopathy

AKIHISA OKUMURA^{*1}, HIROYUKI KIDOKORO³, KAZUYA ITOMI⁴, KOICHI MARUYAMA^{3,5}, YOKO KONDO², SEIKO ITOMI⁵, NAOKO UEMURA², KAZUYOSHI WATANABE⁶, TSUNEO MORISHIMA⁷

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⁶ Faculty of Medical Welfare, Aichi Shukutoku University

⁷ Department of Pediatrics, Okayama University Graduate School of Medicine and Dentistry, Nagoya, Japan

- O-129 Relation between viral variation and neuropathogenicity in persistent infection of measles virus**
 SANAE OTANI^{*1}, SATORU SAKUMA¹, DAISUKE TOKUHARA¹, TOSHIKI YOKOI¹, HIROSHI ISHIDA², TOSHIYUKI SETO³, HIDEJI HATTORI¹, OSAMU MATSUOKA¹, TSUNEKAZU YAMANO¹
¹ Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka, Japan
² Izumi Municipal Hospital
³ Fujiidera Municipal Hospital
- O-130 A case report of Bickerstaff brainstem encephalitis associated with echovirus type3**
 SHIRO OZASA^{*1}, SHIGEMI KIMURA¹, MAKOTO IKEZAWA¹, KEIKO NOMURA¹, KYOKO NAKAMURA¹, MAKOTO MATSUKURA², TERUHISA MIIKE¹
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² Clinical Pharmacology and Therapeutics, Division of Clinical Pharmacy, Department of Pharmaceutical Sciences, Sojo University

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- O-131 An infantile case who was suspected to have the vaccine associated paralytic poliomyelitis**
 NAOKO ASAHINA^{*1}, YUKIKO MATSUNAMI², KEITAROU SUEDA¹, MITSURU NAWATE², HIDEAKI SHIRAIISHI¹, SHINOBU KOHSAKA¹, SHINJI SAITOH¹
¹ Department of Pediatrics, Hokkaido University Graduate School of Medicine, Sapporo, Japan
² KKR Sapporo Medical Center, Sapporo, Japan
- O-132 Correlation between HLA haplotype and clinical signs in japanese childhood-onset Myathenia Gravis**
 NORIAKI SHINOMIYA^{*1}, HIROAKI NAKAMURA¹, JUNKO NAKAZATO¹, YOSHINAO FUJIKAWA¹, YOSHIKO NOMURA², MASAYA SEGAWA²
¹ Second Department of Pediatrics, Toho University Ohashi Medical Center, Tokyo, Japan
² Segawa Neurological Clinic for Children, Tokyo, Japan
- O-133 Immunological biomarkers in CSF for the early and accurate diagnosis of Rasmussen syndrome**
 YUKITOSHI TAKAHASHI^{*}, YUUKO KUBOTA¹, ETSUKO YAMAZAKI¹, HIROKI NIKAIKIDOU¹, HIDEYUKI OOTANI¹, KIYOSHI EGAWA¹, HIROKO IKEDA¹, SHIGEKO NISHIMURA¹, HISANO TSUNOGAE¹, TATEKI FUJIWARA¹
 National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, 886 Urushiyama Aoi-ku Shizuoka 420-8688, Japan
- O-134 Two cases of ADEM with atypical clinical course**
 TOSHIHIDE WATANABE^{*}, KIMIO MINAGAWA¹
 Hokkaido Children's Hospital and Medical Center
- O-135 Six year-old boy with ADEM mainly in cerebellar after VZV infection that continued chronically**
 MAKOTO NABETANI^{*1}, HIROSHI WADA¹, HIROSHI TAMAI¹, MASAHISA HUNATO¹, SHIN OKAZAKI², MASASHI SHIOMI²
¹ The Department of Pediatrics, Yodogawa Christian Hospital, Oosaka, Japan
² Oosaka medical city center

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- O-136 Brain MRI and Cerebral blood flow SPECT of HHV 6 encephalitis**
 SATOSHI YOSHINARI^{*1}, SHIN-ICHIRO HAMANO^{1,2}, MOTOYUKI MINAMITANI^{2,3}, MANABU TANAKA¹, NORIMICHI HIGURASHI^{1,2}, SHINPEI ABE⁴, YOSHIKATSU ETO²
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² Department of Pediatrics, The Jikei University School of Medicine, Tokyo, Japan
³ Department for Child Health and Human Development, Saitama Children's Medical Center, Saitama, Japan
⁴ Department of Pediatrics, Juntendo University
- O-137 A wide variety of clinical spectrum of HHV-6 associated encephalopathy in children**
 YASUKO NAKAMURA^{*}, HIROSHI MATSUMOTO¹, YUJI TAKIZAWA¹, OSAMU KOBAYASHI¹
 Department of Pediatrics, National Defense Medical College, Tokorozawa, Japan

- O-138 A case of "HECCES" without eruption all through the acute phase**
 TETSURO NAGASAWA^{*1}, KOICHI MIZUGUCHI¹, YUICHI ABE¹, AKIRA OKA¹, SHINO SHIMADA²
¹ Division of Neurology, National Center for Child Health and Development, Tokyo, Japan
² Department of Interdisciplinary Medicine, National Center for Child Health and Development, Tokyo, Japan
- O-139 Study of prognosis of febrile convulsion status epilepticus induced by exanthema subitum**
 JUNICHI ISHIKAWA^{*}, MIHO YAMAMURO^{*}, MASAO TOGAWA^{*}, MASASHI SHIOMI^{*}
 Department of pediatric emergency medicine, Osaka city general hospital

Epilepsy/Convulsive disorders 7

- O-140 Study for the real condition of convulsive diseases at the primary care hospital**
 KIYOTAKA MURAKAMI^{*}
 Nakano Children's Hospital
- O-141 Health conditions after Measles and Rubella vaccinations for convulsive disorders, in Hiroshima**
 KUNIYAKI IYODA^{*1}, TOMIO OKAZAKI¹, SUMIO HYODOU², TAKAMASA KISHI³, TAKETOSHI HAYAKAWA⁴, YOSHIHISA NEJHASHI⁵
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³ The Department of Pediatrics, Hiroshima Kinen Hospital, Hiroshima, Japan
⁴ Hayakawa Children's Clinic, Hiroshima, Japan
⁵ Nejhashi Syounika, Hiroshima, Japan
- O-142 A questionnaire survey to parents of patients with neurological disorders**
 TAKUYA TANABE^{*1}, TETSUZO TAGAWA², HIROSHI ARAI², HIDENORI IMAISHI², YUKO IMAKITA², RISA UNO², JUNKO TANAKA², MASAKO TANIKE², TOSHISABURO NAGAI^{2,3}, REIKO YABUTA², MASARU NISHIDA², YUTAKA AWAYA³, KIHEI MAEKAWA³
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² Osaka Shonika Ikai
³ a study group for immunization program for neurologically high risk children, the Ministry of Health, Labor and Welfare of Japan and the Research Center for Vaccination (Inc.).
- O-143 Gap analysis on QOL recognition between parents of children with epilepsy and medical doctors**
 YUTAKA AWAYA^{*1}, HIDEMOTO KUBOTA^{2,3}
¹ Department of Pediatrics, Seibo International Catholic Hospital, Tokyo, Japan
² Department of Pediatrics, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological disorders, Shizuoka, Japan
³ Japanese Epilepsy Association, Tokyo, Japan
- O-144 Long-term follow-up of epilepsy in patients with SMID: Changes of epileptic syndromes**
 TOHRU KONISHI^{*1}, RIE IZUMI¹, KAZUHIRO KAMEDA¹, SAWAKO YAMAZAKI^{1,2}, MIWA YAMATANI^{1,3}
¹ Nagaoka Ryoikuen, Nagaoka, Japan
² Department of Pediatrics, Niigata City General Hospital, Niigata, Japan
³ Department of Pediatrics, Toyama University, Toyama, Japan
- O-145 Full-time coordinator to support children with chronic neurological disabilities and the families**
 MACHIKO MINEGISHI^{*}, SACHIKO SHIMOSATO^{*}, TAKAO TAKAHASHI^{*}
 The department of Pediatrics, University of Keio, Tokyo, Japan

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- O-146 Findings of in vivo 1H-MRS and 123I-IMZ SPECT in malformations of cortical development**
 KENJI MORI^{*1}, EMIKO FUJII¹, MASAHITO MIYAZAKI¹, MASAFUMI HARADA², SHOJI KAGAMI¹
¹ Department of Pediatrics, School of Medicine, University of Tokushima, Tokushima, Japan
² Department of Radiologic Technology, School of Health Sciences, University of Tokushima, Tokushima, Japan
- O-147 Alpha methyl-L-tryptophan - PET in intractable epilepsy associated with acquired cerebral lesions**
 HIROYUKI WAKAMOTO^{*1}
¹ Department of Pediatrics, Ehime Prefecture Central Hospital
² Department of Pediatric Neurology, Children's Hospital of Michigan

O-148 Factors affecting capture of ictal SPECT in childhood epilepsies

TOJO NAKAYAMA^{*}, KENJI SUGAI, EIJI NAKAGAWA, MAKI OSAWA, HIROFUMI KOMAKI, MASAYUKI SASAKI

Department of Child Neurology, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan

O-149 Ictal cerebral blood flow during atypical absence of CSWS associated with unilateral thalamic lesion

NORIMICHI HIGURASHI^{*1}, SHIN-ICHIRO HAMANO¹, SATOSHI YOSHINARI¹, MANABU TANAKA¹, MIKIYUKI MINAMITANI³, YOSHIKATSU ETO²

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O-150 Efficacy of magnetoencephalogram in partial epilepsy without epileptic discharges

KEIKO YANAGIHARA^{*1}, HIROSHI ARAI^{3,4}, KATSUMI IMAI⁵, HIROTOMO NINOMIYA⁶, MASAYUKI HIRATA⁷, TOSHIKI YOSHIMINE⁷

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O-151 Diagnostic difficulties of long QT syndrome in patients with sudden unconsciousness or convulsions

JUNKO ARII^{*}, HARUKO MIYAMOTO

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Genetics 2

O-152 Clinical usefulness of Genome Disorder Array to diagnose MCA/MR patients

YOSHIO MAKITA^{*1}, KENJI FUJIEDA¹, SHINJI SAITOH², KENJI KUROSAWA³, SEIJI MIZUNO⁴, YOSHIMITSU FUKUSHIMA⁵, NOBUHIKO OKANMOTO⁶, HIRONAO NUMABE⁷, SHIN HAYASHI^{8,9}, ISSEI IMOTO^{8,9}, JOUJI INAZAWA^{8,9}

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⁹ CREST

O-153 Molecular analysis of establishment of imprinting in the Prader-Willi/Angelman syndrome region

TATSUYA KISHINO^{*}

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O-154 Sporadic non-syndromic mental retardation with polyalanine expansion mutation of the ARX gene

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² Department of Pediatrics, Yamagata prefecture Comprehensive Rehabilitation and Education Center, Kaminoyama, Japan

O-155 Mutation screening of the ATRX gene in Japanese familial mental retardation

TAKAHITO WADA^{*1}, SHINJI SAITOH², YU-ICHI GOTO³

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³ Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Japan

- O-156 Genetic and epigenomic analyses in monozygotic Rett syndrome twins with different clinical course**
 TAKEO KUBOTA^{*1}, MASAYUKI SASAKI³, SEIKO SUZUKI², YU-ICHI GOTO⁴
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² Division of Child Neurology, Musashi Hospital, NCNP, Tokyo
³ Division of Pediatrics, Kitakyusyu Rehabilitation Center for children with Disabilities, Fukuoka
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Learning disorders 2

- O-157 Effects of emotional responses on future reward prediction**
 HIROMI HOSAKA^{*}, KAKUROU AOYAGI, HIDEAKI KANEMURA, YOSHIMI KAGA, YUUSUKE GOTO, DAI YAMASHIRO, KOUSUKE NAKAMURA, MASAO AIHARA
 Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- O-158 Cognitive problems of developmental dyslexia with and without reading errors**
 EIJI WAKAMIYA^{*1}, TOMOHITO OKUMURA², NAOKO KURIMOTO², MEKUMI MIZUTA², KEIKO TANAKA³, HIROSHI TAMAI^{2,4}
¹ Department of Nursing, Faculty of Nursing and Rehabilitations, Aino University
² Osaka Medical College LD Center
³ Department of pediatrics, Showa hospital
⁴ Department of Pediatrics, Osaka Medical College
- O-159 Cyoku-on and Yo-on Hiragana Syllable Reading Skill in Reading Disorder**
 TOMOHITO OKUMURA^{*1}, EIJI WAKAMIYA², MEGUMI MIZUTA¹, NAOKO KURIMOTO¹, KEIKO TANAKA³, HIROSHI TAMAI^{1,4}
¹ Osaka Medical College LD Center, Osaka, Japan
² Aino University, Osaka, Japan
³ Showa Hospital, Hyogo, Japan
⁴ Osaka Medical College, Department of Pediatrics, Osaka, Japan
- O-160 The learning of Kanji words in a child with developmental amnesia caused by hippocampus lesions**
 MASAFUMI SANEFUJI^{*}, RYUTARO KIRA, MARIKO IWAYAMA, HIROYUKI TORISU, YOSHITO ISHIZAKI, NAOKO YUKAYA, TOSHIRO HARA
 Department of Pediatrics, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan
- O-161 Reading skill in patients with AD/HD and reading disorder**
 KEIKO TANAKA^{*1}, EIJI WAKAMIYA³, TOMOHITO OKUMURA⁴, NAOKO KURIMOTO⁴, MEKUMI MIZUTA⁴, HIROSHI TAMAI²
¹ Syowa Hospital, Hyogo, Japan
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³ Aino University, Osaka, Japan
⁴ LD center, Osaka Medical College, Osaka, Japan

Child development 2

- O-162 Unilateral limitation of the hip joints by persisting contralateral head turning in early infancy**
 KAZUMASA OTANI^{*}
 Otani Clinic
- O-163 Developmental characteristics of language in preterm infants at 18 months of age**
 YASUSHI FUJII^{*}, KAORI AMAKATA, KAORI OGITA, TOSHIYUKI HIKITA, SONO KANEKO, NATSUE NAKAMOTO, YASUKO FUJITA, YUKISHIGE YANAGAWA
 Department of Pediatrics, Teikyo University, Tokyo, JAPAN
- O-164 A study for medical examination in cohort study II -validity of developmental assessment-**
 AYUMI SEKI^{*1}, ARIKO TAKEUCHI^{1,2}, TATSUYA KOEDA^{1,2}
¹ Department of Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan
² JST RISTEX
- O-165 The laterality of occipital white matter affecting the development of low birth weight infants**
 KUNIAKI FUKUDA^{*}, TOMOKO KIRINO, YUMI FUJIWARA, SHOICHI ENDO
 National Kagawa Children's Hospital, Zentuji, Japan

- O-166 Near-infrared spectroscopy measurement in infants with congenital heart disease**
 SATORU KOBAYASHI*, AYAKO HATTORI, NAOKI ANDOU, TATSUYA ISHIKAWA, HAJIME TOGARI
 Department of Pediatrics and Neonatology, Nagoya City University, Graduate School of Medical Sciences,
 Nagoya, Japan
- O-167 Effects of endocrine disrupting chemical bisphenol A on the murin brain development**
 KEIKO NAKAMURA*¹, KYOKO ITOH¹, HONGMEI DAI¹, KANJI YOSHIMOTO³, TOHRU SUGIMOTO²,
 SHINJI FUSHIKI¹
¹ Department of Pathology and Applied Neurobiology, Graduate School of Medical Science, Kyoto Prefectural
 University of Medicine, Kyoto, Japan
² Department of Pediatrics, Graduate School of Medical Science, Kyoto Prefectural University of Medicine,
 Kyoto, Japan
³ Department of Legal Medicine, Graduate School of Medical Science, Kyoto Prefectural University of
 Medicine, Kyoto, Japan

Imaging 4

- O-168 Imaging of Development of Motherhood -The Neural Basis of Responsiveness to Infants: an fMRI study-**
 AKIO NAKAI*¹, AYAKO SASAKI², KEN-ICHI MATSUKI³
¹ Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Fukui, Japan
² Department of Clinical Nursing, School of Nursing, University of Fukui, Fukui, Japan
³ Department of Science of Development, Faculty of Education and Regional Studies, University of Fukui,
 Fukui, Japan
- O-169 A functional MRI study of moral judgement task in healthy volunteer.**
 HIROMICHI ITO*¹, KENJI MORI¹, TOSHIAKI HASHIMOTO², MASAFUMI HARADA³, HIROTOSHI
 HIRAISHI², MASAHITO MIYAZAKI¹, EMIKO FUJII¹, YOSHIMI TSUDA², MIO NISHIMURA¹, AYA
 FUKUMOTO¹, SHOJI KAGAMI¹
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 Tokushima, Japan
³ Department of Radiologic Technology, School of Health Science, The University of Tokushima, Tokushima,
 Japan
- O-170 Diffusion wighted images and glucose hypometabolism in children with prolonged febrile seizures**
 JUN NATSUME*¹, MISAKO NAIKI¹, TARO YOKOTSUKA¹, KOUICHI MARUYAMA², AYAKO SOFUE¹
¹ Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan
² Department of Pediatrics, Japanese Red Cross Nagoya First Hospital, Nagoya, Japan
- O-171 Clinical examinations of eight cases developing posterior reversible encephalopathy syndrome**
 NOBUTSUNE ISHIKAWA*, GO TAJIMA
 Department of Pediatrics, Hiroshima University, Hiroshima, Japan
- O-172 Is tensor tractography of neonates useful to detect PVL and to predict neurological outcomes?**
 KAORI OGITA*¹, KAORI AMAKATA¹, TOSIYUKI HIKITA¹, SONO KANEKO¹, YASUSHI FUJII¹,
 NATUE NAKAMOTO^{1,3}, YASUKO FUJITA¹, HIROSHI OHBA², YUKISHIGE YANAGAWA¹
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² Teikyo University school of Medicine, Department of Radiology, Tokyo, Japan
³ Mejiro Univesity Faculty of Health Science, Tokyo, Japan

Imaging 5

- O-173 Three cases of cerebral hypomyelination with cerebellar atrophy**
 MASAYUKI SASAKI*¹, JUNNACHI TAKANASHI², HIROKO TADA³, HIROSHI SAKUMA¹, WAKANA
 FURUSHIMA¹, HIROFUMI KOMAKI¹, EIJI NAKAGAWA¹, KENJI SUGAI¹, NORIKO SATO⁴
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³ The Department of Pediatrics, Graduate School of Medicine, Chiba University, Chiba, Japan
⁴ The Department of Radiology, National Musashi Hospital, NCNP, Tokyo, Japan

- O-174 The usefulness of SPECT to higher brain dysfunctions after acute encephalitis and encephalopathy**
 ICHIRO KUKI^{*1}, HISASHI KAWAWAKI¹, SHIHOKO OHBA¹, SHIN OKAZAKI¹, HIROKO IKEDA¹,
 MASAKO OKADA¹, KIYOTAKA TOMIWA², JYUNICHI ISHIKAWA², MIHO YAMAMURO², MASAO
 TOGAWA², MASASHI SHIOMI²
¹ Departmet of Pediatric Neurology, Osaka City General Hospital, Osaka, Japan
² Departmet of Pediatric Emergency Medicine, Osaka City General Hospital, Osaka, Japan
- O-175 Brain MRI Findings of Neonatal Citrullinemia**
 AKITOSHI TSURUHARA^{*}, MINORU ASADA, YOSHIYUKI OKANO, HIDEJI HATORI, KOUICHI
 YAMANO
 Department of Pediatrics Osaka City University Graduate School of Medicine
- O-176 A case of Hunter syndrome with transient hemispheric enlargemnet due to epilepsia partilis continua**
 KENJIRO KIKUCHI^{*1}, SHINICHIRO HAMANO², SATOSHI YOSHINARI², MANABU TANAKA²,
 MIKIYUKI MINAMITANI², YOSHIKATSU ETO¹
¹ The Department of Pediatrics, Jikei University School of Medicine, Tokyo, Japan
² Division of Neurology, Saitama Children Medical Center, Saitama, Japan
- O-177 The case report of Menkes Disease**
 HIDEYUKI OE^{*}, MIHARU ITO, HIROYUKI KIDOKORO, TETSUO KUBOTA
 The Department of Pediatrics, Anjyo Kosei Hospital, Aichi, Japan

Mental disability/Movement diorders 2

- O-178 Restless Legs SYndrome (RLS)- unrecognized cause for insomnia and irritability in children**
 IKUKO MOHRI^{*1}, KUMI KATO-NISHIMURA¹, NAOKO TACHIBANA², MASAKO TANIIE¹
¹ Department of Mental Health and Enviromental Effects Research, The Research center for Child Mental
 Development, Osaka University Graduate School of Medicine, Osaka, Japan
² Human Brain Research Center, Kyoto University Graduate School of Medicine, Kyoto, Japan
- O-179 Abnormal eating behavior, stereotypy and psychiatric symptom in Prader-Willi syndrome.**
 KAEKO OGURA^{*1}, MAYUMI SHINOHARA¹, KOSAKU OHNO², ETSURO MORI¹
¹ Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of
 Medicine, Sendai, Japan
² Department of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University,
 Yonago, Japan
- O-180 Conduct Disorder with developmental disabilities**
 HIROYUKI YOKOYAMA^{*1}, MIEKO HIROSE¹, CHIEKO NARA¹, KEISUKE WAKUSAWA¹, KAZUHIRO
 HAGINOYA¹, KAZUIE IINUMA^{1,2}
¹ Department of Pediatrics, Tohoku University School of Medicine, Sendai, Japan
² Ishinomaki Red Cross Hospital, Ishinomaki, Japan
- O-181 A study of ADHDs with intense anger**
 MAKIO OKA^{*1}, TATSUYA OGINO², TERUKO MOROOKA¹, AKIHITO TAKEUCHI¹, YOKO OHTSUKA¹
¹ Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and
 Pharmaceutical Sciences, Okayama, Japan
² Center for Research on Child and Education Chugokugakuen University, Okayama, Japan
- O-182 Examination of the growth curve in eating disorder of childhood onset:the height growth is slow**
 ERI TAKESHITA^{*}, RYOKO OTANI, MAKIKO OHASHI, HISASHI ITABASHI, MAMI TAZOE,
 NOBUYUKI MURAKAMI, RYOICHI SAKUTA
 Koshigaya Hospital, Dokkyo medical University, Saitama, Japan

Video presentation 1

PC-001 Two cases of ataxia-telangiectasia

HIRONORI MATSUFUJI*, TSUYOSHI OHMI, YOSHINAO FUJIKAWA, MAKI OHSAWA, HIROFUMI KOMAKI, EIJI NAKAGAWA, KENJI SUGAI, MASAYUKI SASAKI

Department of Child Neurology, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan

PC-002 a case of 3-year-old girl diagnosed her choreoathetosis as ataxia-telangiectasia

MADOKA KAJIMOTO*, NAOKO SUENAGA, TAKASHI ICHIIYAMA, TOMOYO MATSUBARA, SUSUMU FURUKAWA

Department of Pediatrics, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

PC-003 A case of Sydenham chorea

SATOSHI SAIDA*, RIEKO TANAKA, TORU MOMOI

Japanese red cross society Wakayama medical center The first department of pediatrics

PC-004 A Case of Autoimmune Encephalitis with Intractable Epilepsy and Chorea

TAMAKO GOTOH^{*1}, MASATO MORI¹, TAKANORI YAMAGATA¹, YUKITOSHI TAKAHASHI², MARIKO MOMOI^{1,2}

¹ Department of Pediatrics, Jichi University, Tochigi, Japan

² National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders.

PC-005 Involvement of the basal ganglia in two patients of Lennox syndrome with self induction seizures

KAZUE KIMURA*, YURI NAGAO, KEI HACHIMORI, YOSHIKO NOMURA, MASAYA SEGAWA
Segawa Neurological Clinic for Children, Tokyo, Japan

Video presentation 2

PC-006 A patient having Fukuyama congenital muscular dystrophy with mirror movements: An fMRI study

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² Department of Functional Brain Imaging, Institute of Development, Aging and Cancer, Tohoku University

³ Department of Pediatrics, Takutou Rehabilitation Center for Disabled Children

PC-007 Treatment with Botulinum Toxin in a Case of Type 2 Gaucher Disease

YASUHIRO SUZUKI^{*1}, JYUNZI YAMADA², YUKIKO MOGAMI¹, KEIKO YANAGIHARA¹, YASUHISA TORIBE¹, OSAMU TAKEMOTO²

¹ Osaka Medical Center and Research Institute for maternal and Child Health, Division of Pediatrics

² Osaka Medical Center and Research Institute for maternal and Child Health, Department of Neurosurgery, Izumi, Japan

PC-008 A girl with paraplegia, caused by premature and PVL, treated with Botulinum A toxin injection

OSAMU MIYAKE*

The Department of Pediatrics, Takatsuki General Hospital, Osaka, Japan

PC-009 Case of CNS leukemia who presented various involuntary movements

YUKO TOMONOH^{*1}, NAOMI MORISHIMA¹, YUKIKO IHARA¹, TAKAHITO INOUE¹, SAWA YASUMOTO¹, FUMIO YANAI¹, SHINIIICHI HIROSE¹, AKIHISA MITSUDOME²

¹ The Pediatric Department, University of Fukuoka, Fukuoka, Japan

² International University of Health and Welfare

PC-010 The Development of Lesch-Nyhan syndrome in infancy

HIROSHI OZAWA^{*1}, KIYOSHI AROMOTO², SATOSHI KIMIYA², MASAYA KUBOTA³, YASUKAZU YAMADA⁴

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³ Department of Pediatrics, Tokyo Metropolitan Hachioji Children's Hospital

⁴ Department of Genetics, Institute for Developmental Research, Aichi Human Service Center

Infection/Immunology 6

- P-001 Two cases of acute encephalopathy associated with Norovirus infection**
KAZUSHI ICHIKAWA^{*}, SAOKO TAKESHITA, ATSUO NEZU
Department of Pediatrics, Yokohama City University Medical Center, Yokohama, Japan
- P-002 A case of rotavirus encephalopathy**
HIROSHI ISUMI^{*1}, YASUHIRO KAWAI², TAKASHI ICHIYAMA³
¹ Hagi Civil Hospital, Yamaguchi, Japan
² The Second Department of Pediatrics, Kawasaki Medical School, Okayama, Japan
³ Department of Pediatrics, Yamaguchi University School of Medicine, Yamaguchi, Japan
- P-003 A child with rotavirus encephalopathy who showed virus-associated hemophagocytic syndrome**
HIDEO ENOKI^{*}
Department of Child Neurology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan
- P-004 A case of encephalopathy with onset of prolonged convulsion followed by hemophagocytic syndrome**
YOSHINOBU OYAZATO^{*1}, YO OKIZUKA¹, YUICHI TAKAMI¹, IKUKO KANAZAWA², RYO SUMINAGA², SYUICHI TUNEISHI¹, MASAFUMI MATSUO¹
¹ Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe, Japan
² Kakogawa Municipal Hospital
- P-005 A case of encephalitis associated with Adeno Virus infection type 37**
AKIHITO IINO^{*1}, YOKO TANAKA¹, KIYOKO SUGITA³
¹ TOKYO DENTAL COLLEGE ICHIKAWA GENERAL HOSPITAL, Tiba, Japan
² Tokyo Metropolitan Komagome Hospital
³ Toyo University, faculty of human life design
- P-006 Three cases of different development with same abnormal view in the corpus callosum in initial MRI**
TAKAHIRO KATO^{*1}, KAZIHIRO OHYA¹, NOBUTADA TACHI², RUMIKO TAKAYAMA³, SHINOBU FUKUMURA³
¹ The Department of Pediatrics, Sapporo Medical University School of Medicine, Sapporo, Japan
² Sapporo Medical University School of Health Science, Sapporo, Japan
³ The Department of Pediatrics, Aomori Prefectural Hospital, Aomori, Japan
- P-007 A case of bilateral midbrain and strial encephalitis complicating mycoplasma infection**
KEIKO OKUMURA^{*}, TOMOHIKO TSURU, KOUICHI AIZAKI
Matsudo City Hospital, Matsudo, Chiba, Japan
- P-008 Classification of previously reported cases with Influenza encephalopathy**
HIDETO YOSHIKAWA^{*1}, SAWAKO YAMAZAKI²
¹ Department of Neurology, Miyagi Childrens Hospital, Sendai, Japan
² Department of Pediatrics, Niigata City General Hospital, Niigata, Japan
- P-009 A case of acute encephalitis with refractory, repetitive partial seizures**
SHUICHI SHIMAKAWA^{*1}, MIHO FUKUI¹, TAKUYA TANABE², KEITA HARA², HIROSHI TAMAI³
¹ Department of Pediatrics, Saiseikai Suita Hospital, Osaka, Japan
² Department of Pediatrics, Hirakata Municipal Hospital, Osaka, Japan
³ Department of Pediatrics, Osaka Medical College, Osaka, Japan

Infection/Immunology 7

- P-010 Non-herpetic acute limbic encephalitis with coxsackievirus type A4 infection**
KOICHI AIZAKI^{*}, KEIKO OKUMURA, TOMOHIKO TSURU
The Department of Pediatrics, Matsudo City Hospital, Chiba, Japan
- P-011 Three cases of acute encephalitis/encephalopathy with involvement of limbic system and basal ganglia**
KOICHI MARUYAMA^{*1}, SEIKO ITOMI¹, AYAKO SOFUE², JUN NATSUME³
¹ Department of Pediatrics, Japanese Red Cross Nagoya First Hospital, Nagoya, Japan
² Department of Pediatrics, Nagoya Memorial Hospital, Nagoya, Japan
³ Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

- P-012 A case of encephalitis/encephalopathy with transient cognition disorder, paresis and hemianopia.**
 ISAO SAKAI*, SYUUKO YOSHIMI
 Kagoshima Seikyoku Hospital, Kagoshima, Japan
- P-013 Pathogenesis and therapy of HHV-6 related encephalopathy**
 MAKIKO TOMINAGA^{*1}, AI TOYOIZUMI¹, RIINA SUZUKI¹, AYAKA KOIDE¹, MASAYA KUBOTA¹,
 TAKASI ICHIYAMA², NAOYUKI TANUMA³, MASAHARU HAYASHI⁴
¹ Department of Pediatrics, Metropolitan Hachioji Children's Hospital
² Department of Pediatrics, Yamaguchi University
³ Department of Pediatrics, Fuchu Medical Center for Severely Handicapped
⁴ Metropolitan Institute for Neuroscience
- P-014 A case of echovirus aseptic meningitis associated with hearing loss**
 YUKO OMATA^{*1}, HIROKO SUZUKI¹, KATSUNORI FUJII², YUICHI KOUNO²
¹ The Department of Pediatrics, JFE Kawatetsu Chiba Hospital, Chiba, Japan
² The Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan
- P-015 A case of chronic cerebellitis with deafness**
 YUKIKO IHARA^{*1}, YUKO TOMONOU¹, NAOMI MORISHIMA¹, TAKAHITO INOUE¹, SAWA
 YASUMOTO¹, SHINICHI HIROSE¹, AKIHISA MITSUDOME², YUKITOSHI TAKAHASHI³
¹ Department of Pediatrics, Fukuoka
² International University of Health and Welfare
³ National Epilepsy Center Shizuoka Institute of Epilepsy and neurological Disorders
- P-016 A case of relapsing encephalitis with intractable convulsion, who is controled by IVIG therapy.**
 KEIKO NOMURA^{*1}, MAKOTO IKEZAWA¹, SHIRO OZASA¹, KYOKO NAKAMURA¹, SHIGEMI
 KIMURA¹, TERUHISA MIIKE¹, TAKATERU ISHITSU²
¹ Department of Child Development, Kumamoto University, Medical School, Kumamoto, Japan
² Saishunso Hospital, Department of Pediatrics
- P-017 Effect of tacrolimus in a case of recurrent encephalitis which was highly responsive to steroids**
 KEIKO HIRANO^{*1}, HIDEO AIBA¹, SEIJI WATANABE¹, YOSHINORI OKUMURA¹, YUKITOSHI
 TAKAHASHI², MASAYUKI YANO³
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² National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
³ Department of Radiology, Shizuoka Children's Hospital, Shizuoka, Japan
- P-018 Epidemiology of Subacute Sclerosing Panencephalitis in Okinawa, Japan, 1977-2005**
 KYOMI HIRAYASU*, SATOSHI OSHIRO, YUKIKATU NAKADA
 Okinawa Seishi Ryougoen, Naha, Japan,
- P-019 Analysis of CSF granzymes A and B in pediatric CNS disease**
 GAKU YAMANAKA*, WATANABE CHIAKO, HISASHI KAWASHIMA, SHINGO OANA, KIYOKO
 WATANABE, YOSHIKI WATANABE, TASUKU MIYAJIMA, AKINORI HOSHIKA
 Department of Pediatrics, Tokyo Medical University, Tokyo, Japan

Infection/Immunology 8

- P-020 A girl with multiphasic encephalomyelitis initiated by transverse myelitis, mimicking Devic disease**
 SEIJI WATANABE*, HIDEO AIBA, KEIKO HIRANO, YOSHINORI OKUMURA
 The Department of Pediatric Neurology, Shizuoka Children's Hospital, Shizuoka, Japan
- P-021 CSF cytokines in the clinical course of bacterial meningitis**
 AI TOYOIZUMI^{*1}, RIINA SUZUKI¹, AYAKA KOIDE¹, MASAYA KUBOTA¹, KYOUKO SASAKI¹,
 HIROSI OZAWA¹, MAKI OOSAWA¹, TAKASI ICHIYAMA²
¹ Department of Pediatrics, Metropolitan Hachioji Children's Hospital
² Department of Pediatrics, Yamaguchi University
- P-022 MRI abnormalities in the corpus callosum in a child with ADEM**
 TAKUYA YOKOTA^{*1}, HIDEO ENOKI²
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² Department of Child Neurology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan

P-023 A case of ADEM without typical neurological manifestations in the first stage.

YUKO YAMAUCHI^{*1}, DAISHI HIRANO¹, KENICHI AKASHI², TAKASHI TSUDA¹, NOBUO USHUI¹,
SHINICHIRO HAMANO², YOSHIKATSU ETOU³, HIROKO HANEDA¹

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³ The Jikei University school of Medicine, Tokyo, Japan

P-024 Research of Genetic Susceptibility to ADEM: Analysis of CTLA4 gene

HIROYUKI TORISU^{*1}, TOSHIO HANAI^{2,10}, TATSURO IZUMI^{3,10}, MASASHI MIZUGUCHI^{4,10},
YOSHIHIRO MAEGAKI^{5,10}, MASARU TATSUNO^{6,10}, TOMIO OKAZAKI^{7,10}, SHINICHI HIRABAYASHI^{8,10},
MAKOTO IKEZAWA^{9,10}, YUKITOSHI TAKAHASHI¹⁰, TOSHIYUKI HIKITA¹⁰, TAKASHI ICHIIYAMA¹⁰,
JUN KOHYAMA¹⁰, SHINICHIRO HAMANO¹⁰, TOSHIRO HARA^{1,10}

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¹⁰ The Research committee of ADEM, FUKUOKA, Japan

P-025 A case of Acute disseminated encephalomyelitis with poststreptococcal acute glomerulonephritis

HIROYUKI SATAKE^{*}, MEGUMI TAKEMOTO^{*}, KENJIRO GONDO^{*}, TOSHIO HANAI

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P-026 Early onset multiple sclerosis with long spinal cord lesions

YUKIKO HIRANO^{*}, MAKOTO FUNATSUKA^{*}, KAYANO KODAIRA^{*}, TAKASHI SAITO^{*}, AKIKO
YANAGISAWA^{*}, KEIKO ISHIGAKI^{*}, NOZOMI HIJIKATA^{*}, TOMOHIRO NAKAYAMA^{*}, MAKIKO OSAWA^{*}

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P-027 Neutralizing antibodies against interferon beta in child with multiple sclerosis

TAKAHITO INOUE^{*1}, YUKIKO IHARA¹, YUKO TOMONO¹, SAWA YASUMOTO¹, AKIHISA
MITSUDOME², SHINICHI HIROSE¹

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² International University of Health and Welfare, Fukuoka, Japan

P-028 Treatment of worsening relapsing-remitting multiple sclerosis with Mitoxantrone

SAOKO TAKESHITA^{*}, KAZUSHI ICHIKAWA^{*}, ATSUO NEZU^{*}

Yokohama City University Medical Center, Yokohama, Japan

P-029 Ovarian Bleeding during Steroid Pulse Therapy in a Case of Multiple Sclerosis

KAZUYUKI YOTSUMATA^{*}, MITSUO TOYOSIMA^{*}, KIMIE YAMAMOTO^{*}, YOSHIFUMI KAWANO^{*}

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Imaging 1

P-030 PLES associated with intravenous immunoglobulin therapy in a patient with Guillain-Barré syndrome

REIKO KOICHIHARA^{*1}, SHINICHIRO HAMANO², SHINTARO YAMASHITA², SATOSHI YOSHINARI²,
MANABU TANAKA², MOTOYUKI MINAMITANI³

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³ Saitama Children's Medical Center

P-031 Five cases of posterior reversible encephalopathy syndrome

NOBUTADA TABATA^{*}, HIDEHIKO YANAGIDA^{*}, TSUKASA TAKEMURA^{*}

Department of Pediatrics, Kinki University School of Medicine, Osaka-Sayama, Osaka, Japan

- P-032 Two cases of Reversible posterior leukoencephalopathy syndrome**
DAI TAHARA^{*}, TATSUO FUCHIGAMI, YUKIO NOGUCHI, KOUJI HASHIMOTO, YASUJI INAMO
Department of General Pediatrics, Nihon University Nerima-Hikarigaoka Hospital, Tokyo, Japan
- P-033 EEG changes in patients with posterior reversible encephalopathy syndrome (PRES)**
RIINA SUZUKI^{*}, AI TOYOIZUMI, AYAKA KOIDE, MASAYA KUBOTA
Department of Pediatrics, Metropolitan Hachioji Children's Hospital
- P-034 Case Report: A 6-Year-Old Girl with Transient, Diffuse Leukoencephalopathy due to Adeno-virus type 3**
TAKUJI IMAMURA^{*}¹, NATSUKO TAKAURA¹, YASUO MINAMIURA², HIDEJI HATTORI³
¹ PL General Hospital, Tondabayashi City, Japan
² Minamiura Kids Clinic, Tondabayashi City, Japan
³ Department of Pediatrics, Osaka City University Graduate School of Medicine, Osaka City, Japan
- P-035 A case of acute encephalopathy with reversible white matter lesion**
ATSUSHI YOKOYAMA^{*}¹, YOSHIKI SAITO^{1,2}, YOSHIHIRO MAEGAKI²
¹ Department of Pediatrics, Shimane Prefectural Central Hospital, Izumo, Japan
² Division of Child Neurology, Institute of Neurological Sciences, Faculty of Medicine, Tottori University
- P-036 Acute disseminated encephalomyelitis with delayed magnetic resonance imaging changes**
USHIO OTAKI^{*}, TOMOHIDE GOTO, SAHOKO MIYAMA
Department of Neurology, Tokyo Metropolitan Kiyose Children's Hospital, Tokyo, Japan
- P-037 Five cases with congenital CMV infection diagnosed by PCR with the use of preserved umbilical cord.**
KAZUYA ITOMI^{*}, HIROKO KAKIZAWA
Department of Neurology, Aichi Children's Health and Medical Center, Obu, Japan
- P-038 A case of recurrent multiple white matter lesions**
MASATO MORI^{*}, JUN SHIMIZU, TAKANORI YAMAGATA, MARIKO MOMOI
Department of Pediatrics, Jichi Medical University, Tochigi, Japan

Imaging 2

- P-039 Neurological imaging studies and clinical aspects in 7 cases of hemimegalencephaly**
MITSUGU UEMATSU^{*}¹, KAZUHIRO HAGINOYA¹, NORIKO TOGASHI², YOUKO MATSUMOTO¹,
TOMOKO KOBAYASHI¹, NAOMI FUKUYO¹, HIROYUKI YOKOYAMA¹, HIROSHI SHAMOTO³,
SHIGERU TSUCHIYA¹
¹ Department of Pediatrics, Tohoku University Graduate School of Medicine, Sendai, Japan
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³ Sendai, Japan
- P-040 Two cases of microlissencephaly**
JUN TOHYAMA^{*}¹, NAKA SAITO¹, NORIYUKI AKASAKA¹, MASASHI SUDA², MASAYA KUBOTA³,
AYAKA KOIDE³, MITSUHIRO KATO⁴
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³ Department of Pediatrics, Metropolitan Hachioji Children's Hospital, Hachioji, Tokyo, Japan
⁴ Department of Pediatrics, Yamagata University School of Medicine, Yamagata, Japan
- P-041 Cranial MRI findings seen in a long-term survival case of arginase deficiency**
YOSHIE SEGAWA^{*}¹, NAOYA ITOKAZU¹, MAKOTO YOSHINO², YORIKO WATANABE², SACHIO
TAKASHIMA¹
¹ Yanagawa Institute for Developmental Disabilities, Yanagawa, Japan
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- P-042 Long-term follow-up of cranial MRI findings in siblings with Hunter disease**
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¹ Second Department of Pediatrics, Toho University Ohashi Medical Center, Tokyo, Japan
² Second Department of Radiology, Toho University Ohashi Medical Center, Tokyo, Japan
- P-043 Diffusion tensor imaging in patients with localization related epilepsy**
TAKETO IKUTA^{*}, YOUKO KONDOU, TAMIKO NEGORO, JUN NATUME
Department of Pediatrics, Nagoya University Graduate School of Medicine, Nagoya, Japan

- P-044 A case of early Moyamoya disease, who show peculiar SPECT images by acetazolamide administration**
 KOUICHI HIRANO^{*1}, HISAKO INOUE¹, TAKESHI MIYAMOTO¹, YOKO SUGIE¹,
 TAKEHIKO OHZEKI¹, TERUHIKO SUZUKI², JUNKO OSAWA², HIDEO SUGIE²
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² The Department of Pediatrics, Hamamatsu City Medical Center for Developmental Medicine, Shizuoka, Japan
- P-045 Volumetric Analysis in Rasmussen Syndrome**
 AKIRA NISHIMURA^{*}, FUMIHIRO MATSUI, MIE INABA, AKI KAWAI, KOICHI TANDA, KEIKO
 NAKAMURA, MASAFUMI MORIMOTO
 Department of Pediatrics, Kyoto Prefectural University of Medicine, Kyoto, Japan
- P-046 FDG-PET analysis of patients with Leigh's encephalopathy and related mitochondrial encephalopathy**
 KAZUHIRO HAGINOYA^{*1}, MITSUGU UEMATSU¹, TOMOKO KOBAYASHI¹, YOKO MATSUMOTO¹,
 NAOMI FUKUYO¹, TARO KITAMURA¹, NORIKO TOGASHI¹, KATSUYA YAMAMOTO², MASARU
 TAKAYANAGI², SHIGEAKI MIYABAYASHI³, TOMOHIRO KANETA⁴, SHIGERU TSUCHIYA¹
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² Department of Pediatrics, Sendai Municipal Hospital, Sendai, Japan
³ Miyabayashi Komodo Clinic, Sendai, Japan
⁴ Department of Radiology, Tohoku University School of Medicine
- P-047 Evaluation of a GABA nervous system in autism - analysis with 123I-iomazenil SPECT, 1H-MRS**
 EMIKO FUJII^{*1}, KENJI MORI¹, MASAHIITO MIYAZAKI¹, TOSHIAKI HASHIMOTO², MASAFUMI
 HARADA³, SHOJI KAGAMI¹
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 Naruto, Tokushima, Japan
³ Department of Radiologic Technology, School of Health Science, The University of Tokushima, Tokushima,
 Japan

Imaging 3

- P-048 Diffusion-weighted MRI study in a patient with Kawasaki disease presenting with neurological symptom**
 YUSUKE GOTO^{*1}, HIDEAKI KANEMURA², MASAO AIHARA²
¹ Pediatrics, Yamanashi Prefectural Central Hospital, Yamanashi, Japan
² Department of Pediatrics, University of Yamanashi, Yamanashi, Japan
- P-049 Kawasaki disease-related encephalopathy with hypothermic, steroid pulse and immunoglobulin therapy**
 GEORGE IMATAKA^{*1}, HITOSHI KATASIO^{1,2}, KENJI IWATA², MASAHO NEGISHI¹, MASAHIKO
 MITSUI¹, KOUJI WAKE², HIDEO YAMANOUCI¹, OSAMU ARISAKA¹
¹ Department of Pediatrics, Dokkyo Medical University School of Medicine
² Department of critical care and medicine
- P-050 One Patient with acute encephalopathy with biphasic seizures and late reduced diffusion**
 AKIRA KUMAKURA^{*}, MAYUKO TAKUWA, DAISUKE HATA
 Department of Pediatrics, Kitano Hospital, The tazuke Kofukai Medical Institute, Osaka, Japan
- P-051 A case of acute encephalopathy with onset of prolonged convulsion without cluster seizure.**
 YUKIKO NAKAMURA^{*}, MAMI MIWA, HIROO MATSUDA, FUMIO BESSYO
 department of pediatrics, University of Kyorin, Tokyo, Japan
- P-052 The role of diffusion-weighted MRI in acute CNS disease in children**
 TATSUYUKI SOKODA^{*}, YUKO SAKAUE, SHIE AKAHORI, CHIHIRO SAWAI, TOMOYUKI TAKANO,
 YOSHIHIRO TAKEUCHI
 Department of Pediatrics, Shiga University of Medical Science, Otsu, Japan
- P-053 Reversible restricted diffusion of Knee of corpus callosum**
 HITOSHI TERADA^{*1}, NOBUYUKI SHIRAGA², YOSHIYUKI MORIKAWA³
¹ Department of Radiology, Toho University, Tokyo, Japan
² Department of Radiology, Tachikawa Hospital, Tachikawa, Japan
³ Department of Pediatrics, Tachikawa Hospital, Tachikawa, Japan

- P-054 Serial single photon emission computed tomography in Bickerstaff encephalitis; a case report**
SHINSUKE MARUYAMA*, MITSUO TOYOSHIMA, YUICHIRO NURUKI, KAZUYUKI YOTSUMATA, YOSHIFUMI KAWANO
Department of Pediatrics, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima city, Japan
- P-055 HSES as a differential diagnosis of shaken baby syndrome; A case report**
AZUSA MARUYAMA*, YOUSUKE SAJI, HIROAKI NAGASE, YOSHIYUKI UETANI
Kobe Children's Hospital
- P-056 Usefulness of MRI and DPOAE in a 3-year-old patient with inner ear disorder**
KEIKO KAIHO*, MAMIKO ENDO, MANABU YOSHIHASHI, KATSUNORI FUJII, YOICHI KOHNO
Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan

Cerebral palsy/Rehabilitation 3

- P-057 Home care for the disabled in Gunma Children's Medical Center: present status and its problems.**
MIO WATANABE^{*1}, KEIKO WATARI², YUMIKO USUDA³, IKUKO KATO⁴, TAKASHI SHIIHARA¹, NOBUZO SHIMIZU⁵
¹ The Department of Neurology, Gunma Children's Medical Center
² The Department of Nursing, Gunma Children's Medical Center
³ The Department of Rehabilitation, Gunma Children's Medical Center
⁴ The Department of Hygiene and Public Health II, Tokyo Women's Medical Center
⁵ Gunma Rehabilitation Center for the Physically Handicapped Children
- P-058 Survey on children with home medical care in Osaka**
TOMOMI IKEDA^{*1}, TOSHISABURO NAGAI², MASAHISA FUNATO², AKIHIRO YASUHARA²
¹ Hyogo University, Hyogo, Japan
² Osaka Medical Association, Osaka, Japan
- P-059 Home therapy of patients with neuromuscular diseases**
SHOICHI ENDO*, KUNIAKI FUKUDA, TOMOKO KIRINO, YUMI FUJIWARA
Department of Neurology, National Kagawa Children's Hospital, Zentsuji, Japan
- P-060 The medical and social environments for children with disabilities in Toronto and Tokyo.**
MINA IZUMI^{*1}, MASATAKA ARIMA¹, HIROSHI OTSUBO², AYAKO OCHI²
¹ Tokyo Metropolitan Tobu Medical Center for People with severe disabilities, Tokyo, Japan
² The Hospital for Sick Children, Toronto, Canada
- P-061 support of handicapped persons with medial care. Training for supporter without medical license**
TATEO SUGIMOTO*
Daini-Biwako-Gakuen
- P-062 The round meeting with handicapped children in Fukushima -The importance of local coordinator-**
TSUNENORI HIRAYAMA^{*1}
¹ Department of Pediatrics, Tokyo Metropolitan Higashiyamato Medical Center for The Severely Disabled, Tokyo, Japan
² Department of Pediatrics, National Hospital Organization Fukushima Hospital, Fukushima, Japan
- P-063 Change in payments for services under the disability support act**
TOSHIHIRO HORIGUCHI*
Department of Social Psychiatry, National Institute of Mental Health, NCNP
- P-064 Present status of home help service for persons with handicaps**
TOSHIHIRO HORIGUCHI*
Department of Social Psychiatry, National Institute of Mental Health, NCNP, Tokyo, Japan
- P-065 A problem of dispensary for SMID in an emergency hospital.**
YUSAKU MIYAMOTO^{*1}, HITOSHI YAMAMOTO², MIHO FUKUDA^{1,2}, HIROSHI MURAKAMI², NORIKO KAMIYAMA²
¹ Division of Pediatrics, Kawasaki Municipal Tama Hospital, Kawasaki, Japan
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P-066 Barriers for non-pediatric doctors to care severely handicapped adult patients.

JUN KOHYAMA*, RIE MIYATA
Tokyo Kita Shakai Hoken Hospital, Tokyo, Japan

Cerebral palsy/Rehabilitation 4

P-067 The cases who had an operation of GER

MIHOKO MATSUI*¹, YUKIKATSU OCHIAI²
¹ Jouhoku Branch Tokyo Metropolitan Kita Medical and Rehabilitation Center, Tokyo, Japan
² Tokyo Metropolitan Kita Medical and Rehabilitation Center, Tokyo, Japan

P-068 Four patients with severe motor and intellectual disabilities who developed Dumping syndrome.

MOTOHIRO TAKEUCHI*
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P-069 Treatment of severely motor and intellectual disabilities on pharyngeal stenosis

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P-070 Operative complication of primarily cardioplasty in severe motor and intellectual disabilities

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P-071 Laryngeal lesions in the severe handicapped patients; videofiberscopic study

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P-072 Oto-Rhino-Laryngologic Approach to Handicapped Children in our Hospital.

MITSUNOBU MATSUDA*, YUMI OOKOSHI, NOBUYUKI TAKECHI, HIROYUKI CHOU, MASUKO FUNAHASHI, YASUYUKI SUZUKI
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P-073 CPR episode of 4 years-old cerebral palsy boy suspected involvement in prone sleeping position

TOSHIYUKI MANO*, KIYOSHI TAKEMOTO, RIE IDOGUCHI, KAZUO KODAMA
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P-074 The relation between doctor and therapist in pediatric rehabilitation.-Analysis of doctor's reports.

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P-075 The introduction of total information system in a institute for persons with SMID.

YUJI IWASAKI*, TATSUO MASUYAMA, TOSHIHIDE SHIIKI, MICHIO FUKUMIZU, YUKIKO OSAWA, MINA IZUMI, MAMI HONDA, SHUHEI IDE, YUKO KOYASU, MASATAKA ARIMA
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P-076 Our experience of day group service for home care patients with SMID

SHUICHI ISHIDA*, YUJI INABA
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P-077 The effect of early intervention of Down syndrome in 30 years practical results

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- P-078 Functional deterioration in facilities for people with intellectual disabilities:a nationwide survey**
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- P-079 Functional deterioration of people with intellectual disabilities:view from guardians and facilities**
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² Department of Pediatrics, Tokyo Metropolitan Fuchu Medical Center for the Disabled, Tokyo
- P-080 The developmental course of handicapped children with PVL and Rehabilitation process**
YUMI OKOSHI^{*}, HIROYUKI CHOU , MASUKO FUNAHASHI , YASUYUKI SUZUKI
Department of Pediatrics, Tokyo Children's Rehabilitation Hospital, Tokyo, Japan
- P-081 Intelligence of Hemiplegic Children: Sex differences**
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² Division of Neurology, Saitama Children's Medical Center, Saitama, Japan
- P-082 Signification of shuffling baby.**
AKIKO TSUZUKI^{*}, TOMOKO YAMADA , SATOSI TSUGAWA
Hokkaido Prefectural Rehabilitation Center for Handicapped Children,Sapporo Unit
- P-083 Thromboembolism in patients with severe motor and intellectual disabilities**
HIROTO AKAIKE^{*1}, SHIHO HONZAWA¹, KENJI SUGAI¹, HIROHUMI KOMAKI¹, EIJI NAKAGAWA¹, MASAYUKI SASAKI¹
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² Department of Pediatrics, Kawasaki University School of Medicine
- P-084 Drug-induced Fanconi syndrome in a person with severe motor and intellectual disabilities**
TAKEHISA FUJITA^{*1}, OSAMU FUJINO¹, TADASHI ITOH²
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² Suihoh-en

Anomaly/Chromosomal disorders 2

- P-085 Partial monosomy 7 (q21q22) confirmed by array CGH**
TOSHIYUKI YAMAMOTO^{*1}, AKIHISA OKUMURA²
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² Department of Pediatrics, Juntendo University School of Medicine, Tokyo, Japan
- P-086 Neurological findings in two cases of premature chromatid separation syndrome**
NORIYUKI AKASAKA^{*1}, JUN TOHYAMA¹, NAKA SAITO¹, TOMOMI HONMA²
¹ Department of Pediatrics, Nishi-Niigata Chuo National Hospital, Niigata, Japan
² Department of Pediatrics, Nihonkai-Hospital, Yamagata, Japan
- P-087 A case of moyamoya phenomenon with derivative 22 syndrome of t(11;22)(q23;q11)**
AYA HIRAYAMA^{*1}, MASAHIRO MAKUTA¹, YASUHIRO WATANABE², TAMAMI YANO², YUKIO SAWAISHI², GORO TAKADA²
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² Department of Pediatrics, Akita University, Akita, Japan
- P-088 A case report of Chondrodysplasia punctata X-linked recessive type with atlanto-axial dislocation**
NAOMITSU INOUE^{*1}, HIROYUKI WAKAMOTO², YASUKO NAKAMURA², YOSHIAKI YANO³, TAKEHIKO MORIMOTO³
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² Department of Pediatrics, Ehime Prefecture Central Hospital, Ehime, Japan
³ Department of Pediatrics, Seishi-Ryogoen, Ehime, Japan

P-089 A 7years old girl with Hypomelanosis of Ito

JUNKO NAKAZATO*, YOSHINAO FUJIKAWA, HIROAKI NAKAMURA, NORIAKI SHINOMIYA
Toho-university Ohashi Hospital Pediatrics, Tokyo, Japan

P-090 A Case of Klippel-Trenaunay-Weber Syndrome with Polymicrogyria

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P-091 Three cases with Mobius syndrome

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P-092 Epileptogenic factor of patients with Chiari type 2 malformation

RYUTA TANAKA*, TATSUYUKI OHTO¹, NOBUAKI IWASAKI², TAKASHI SAITO¹, YAYOI MIYAZONO¹, TAKAO ENOMOTO³, AKIRA MATSUMURA⁴, MICHIO KANEKO⁵, AKIRA MATSUI¹

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P-093 Efficacy of melatonin for sleep rhythm disturbance in 2 cases of septooptic dysplasia

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P-094 The clinical pathophysiology and developmental outcome of schizencephaly

TOMOKI MAEDA*, MUTUMI AKAISHI, KAZUHITO SEKIGUCHI, AKI ANAN, KAZUhide IMAI, TATSURO IZUMI

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P-095 The incidence of Moyamoya disease of children at Tottori prefecture

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P-096 An infant with convulsive status due to cerebral sinovenous thrombosis.

KAYO OHMURA*

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P-097 Effect of Edaravone for 5 month infant with cerebral infarction after VSD patch closure

KENTARO KUWABARA*, MAKOTO WATANABE, YASUKO TAKAISHI, OSAMU FUJINO

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P-098 A case report of cerebral infarction after cardiopulmonary arrest caused by drowning

MOTOTADA SHICHIRI*, HIROSHI TAMAI

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P-099 Multifocal infarction-like lesions on left cerebral hemisphere in a infantile incontinentia pigmenti

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P-100 A newborn case of intraventricular hemorrhage and sinovenous thrombosis(With follow-up for 1 year)

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- P-101 Case report: Cyclosporin A prevents the relapse of Isolated angiitis of the central nervous system**
 MIEKO HIROSE^{*1}, HIROYUKI YOKOYAMA¹, SOICHIRO TANAKA², MITUTOSHI MUNAKATA¹, RIE NOGUCHI¹, KAZUHIRO HAGINOYA¹, KAZUIE IINUMA³, SHIGERU TSUCHIYA¹
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² Takutou Medical Treatment and Rehabilitation Center, Sendai, Japan
³ Ishinomaki Red Cross Hospital, Ishinomaki, Japan
- P-102 A case of Myasthenia gravis with giant fusiform aneurysm of the cerebral arteries**
 NOBUYOSHI SUGIYAMA^{*}, MARIKO SASAKI, YOSHIHIRO MIYASHITA
 Department of Pediatrics, Tokai University School of Medicine, Kanagawa, Japan
- P-103 Serial MR spectroscopy study of brain infarction in children**
 NAOKI MATSUO^{*}, MASAMI SUGAWARA, REIKO ITOU, ATSUSHI IMAMURA
 Department of Pediatrics, Gifu Prefectural General Medical Center

Pathology

- P-104 Fetal development of the rostral interstitial nucleus of medial longitudinal fasciculus in humans**
 KATSUYUKI YAMAGUCHI^{*1}
¹ Department of Pathology, Dokkyo University School of Medicine, Tochigi, Japan
² Southern Tohoku General Hospital
- P-105 Effects of hypoxia on the development of intraspinal 5-HT fibers and the expression of GDNF**
 HAJIME TANAKA^{*}, SATORU TAKAHASHI, NAO SUZUKI, AKIKO ARAKI, JUNKO OHINATA, KENJI FUJIEDA
 Department of Pediatrics, Asahikawa Medical College, Asahikawa, Japan
- P-106 Monoaminergic systems in the pedunculopontine nucleus in developmental basal ganglia disorders**
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² The Department of Child Study, Kamakura Womens' College
- P-107 Cerebral white matter lesions in autopsy cases of Fukuyama-type congenital muscular dystrophy**
 MASA HARU HAYASHI^{*1}, JUNICHI SATOH²
¹ The Department of Clinical Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan
² Kamiohoka Child Clinic, Tokyo, Japan
- P-108 Neuropathological analysis in a case of X-linked lissencephaly with abnormal genitalia**
 RIE MIYATA^{*1}, MASA HARU HAYASHI², NAOYUKI TANUMA², MITSUHIRO KATO³, JUN KOHYAMA¹
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² The Department of Clinical Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan
³ The Department of Pediatrics, Yamagata University, School of Medicine, Yamagata, Japan
- P-109 Gray matter heterotopia in microcephaly induced by Ara-C in mice**
 TOMOYUKI TAKANO^{*}, SHIE AKABORI, CHIHIRO SAWAI, YUKO SAKAUE, YOSHIHIRO TAKEUCHI
 Department of Pediatrics, Shiga University of Medical Science, Otsu, Japan
- P-110 The role of the subventricular zone in cortical dysplasia induced by ibotenate in hamsters**
 CHIHIRO SAWAI^{*}, SHIE AKABORI, YUKO SAKAUE, TOMOYUKI TAKANO, YOSHIHIRO TAKEUCHI
 Department of Pediatrics, Shiga University of Medical Science, Shiga, Japan
- P-111 Oxidative stress in fatty liver in SMID patients**
 YASUO HACHIYA^{*1}, MASA HARU HAYASHI², NAOYUKI TANUMA¹
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² The Department of Clinical Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan
- P-112 Peripheral neuropathy in the twitcher mouse: an extracellular matrix and abnormal node of Ranvier**
 KURIKO SHIMONO^{*1}, IKUKO MOHRI¹, TAKESHI OKINAGA¹, MASAKO TANIKE¹, KINUKO SUZUKI², KEIICHI OZONO¹
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P-113 The appearance of Aprataxin on cultured hippocampus cell

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Child development 1

P-114 The influence of stress in the developing brain

FUMIHIRO MATSUI^{*1}, KOUICHI TANDA¹, AKIRA NISHIMURA¹, MASAFUMI MORIMOTO¹, TORU SUGIMOTO¹, KANJI YOSHIMOTO²

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P-115 Sleep and development of infant

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P-116 Mental health investigation mainly on sleep in school health and a meal

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P-117 A study of development of children suspected of having Sick House syndrome

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P-118 Developmental study on cognition of expressions in babyhood -Comparative study of Japan and China-

KAZUE IGARASHI^{*1}, YUKO SAKAI^{1,2}, SHOKO MORIMOTO¹, RYOKO MORINAGA¹, JIN JING³, KAORI OGITA², KAORI AMAGATA², YASUSHI HUIJI²

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³ Sun Yat-sen University of Medical Sciences, Canton, China

P-119 Head growth evaluation in infancy, from JCS : Measurements of physical growth and sociability.

AKIKO SAWADA^{*1}, HIROKO IKEDA^{1,3}, YUMI YOSHIDA¹, YUKA SHIOTANI^{1,4}, MASAKO OKADA¹, DAISUKE TANAKA², KIYOTAKA TOMIWA^{1,5}

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P-120 Laterality in infancy from JCS : hemispheric lateralization and development of sociability

YUKA SHIOTANI^{*1}, HIROKO IKEDA^{1,4}, AKIKO SAWADA¹, MASAKO OKADA¹, YUMI YOSHIDA¹, DAISUKE TANAKA², KIYOTAKA TOMIWA^{1,5}

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- P-121 Laterality in infants and handedness of parents-JCS:lateralization and development of sociability**
 HIROKO IKEDA^{*1}, AKIKO SAWADA¹, YUKA SHIOTANI^{1,5}, YUMI YOSHIDA¹, MASAKO OKADA¹,
 DAISUKE TANAKA³, KIYOTAKA TOMIWA^{1,4}
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⁴ Kyoto University, School of Public Health, Kyoto, Japan
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- P-122 Development Quotient of Infant at Osaka baby nursery home**
 TAKAKO MISAKI^{*1}, YUTAKA SUEHIRO^{1,2}, KENJI OWA¹
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- P-123 Clinical application of the Wisconsin card sorting test in pervasive developmental disorders**
 YOKO KADO^{*1}, SATOSHI SANADA², MASAFUMI YANAGIHARA², SHIGERU OHNO³, TATSUYA
 OGINO⁴, MAKIO OKA⁵, YOKO OHTSUKA⁵
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⁴ Center for Research on Child and Education, Chugokugakuen University, Okayama, Japan
⁵ Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan
- P-124 Free pictures in children of pervasive developmental disorders**
 NAOMITSU SUZUKI^{*}
 Department of Pediatrics, Namegata District General Hospital
- P-125 A clinical analysis of EEG abnormalities for PDD and AD/HD**
 MASAO KAWATANI^{*1}, AKIO NAKAI¹, MICHIO HIRATANI²
¹ The Department of Pediatrics, Faculty of Medical Sciences, University of Fukui, Fukui, Japan
² Hiratani Clinic for Developmental Disorders of Children, Fukui, Japan
- P-126 A study of obesity in children with pervasive developmental disorder**
 NORIKO OGURO^{*1}, MAYUMI NAGAI^{1,2}
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² The Department of Pediatrics, Jichi Medical University, Tochigi, Japan
- P-127 HAC program and development of speech and home tasks in PDD children;results of questionnaire by mail**
 KEN UMINO^{*}
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- P-128 The effect of parent training on behaviors of ADHD and HFPDD children**
 KAZUNORI MOTOYAMA^{*}, TETSUO MATSUZAKA^{*}, TAMAO NAGAOKA^{*}, ATSUKO MORI^{*}
 Nagasaki Prefectural Center of the handicapped children,Nagasaki ,Japan
- P-129 Lombard effect in Pervasive Developmental Disorder Children**
 ATSUKO GUNJI^{*}, MAKIKO KAGA^{*}
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 and Psychiatry, Kodaira, Japan
- P-130 Out reach clinic at the elementary school for mild developmental disabilities**
 YUJI INABA^{*}, SHUICI ISHIDA^{*}, TAEMI NIIMI^{*}
 National Hospital Organization, Chushin-Matsumoto Hospital, Matsumoto, Japan
- P-131 FISH analysis in a girl with autism associated with 4p duplication**
 HIROAKI KAKINUMA^{*}
 Department of Pediatrics, Kanazawa Medical University

- P-132 Correlation between 5-HT2A receptor gene and risperidone efficacy in autism**
 JUNKO OSAWA^{*1}, HIDEO SUGIE², TOKIKO FUKUDA², TERUHIKO SUZUKI², YOKO SUGIE¹,
 TAKESHI MIYAMOTO¹, KOUICHI HIRANO¹, TAKEHIKO OHZEKI¹
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- P-133 The assessment and support for children of PDD at the center for children's treatment and guidance**
 KIYOKO YAMANE^{*1}, RIEKO KAWAMURA², YOUKO HIRAKI², AKIO TANABE³
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² Hiroshima City Center For Children's Treatment and Guidance
³ Hiroshima City Hokubu Center For Children's Treatment and Guidance
- P-134 Discrepancy in perceptions of parents and teachers regarding children with developmental disorders**
 CHIEKO AKIYAMA^{*1}, KAORI KON^{2,3}, TOSHIHIRO HORIGUCHI³
¹ Akiyama Children's Clinic
² Kaishundo Kaori Children's Clinic
³ National Institute of Mental Health, NCNP
- P-135 Screening of children with developmental disorder by 5-year old medical checkup in follow-up clinic**
 MASAYUKI NAKASHIMA^{*1}, YUSIRO YAMASHITA², TOYOJIRO MATSUISHI²
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² Department of Pediatrics and Child Health Kurume University, Kurume, Japan
- P-136 The role of pediatricians for the support of elementary school children with developmental disorders**
 HITOSHI SEJIMA^{*}, KAZUKO KISHI¹, SEIJI YAMAGUCHI¹
 Department of Pediatrics, Faculty of Medicine, Shimane University, Izumo, Japan
- P-137 Prefrontal cerebral hemodynamic changes in response to a CPT in children with ADHD measured by NIRS**
 AKIKO ARAKI^{*1}, MASANAGA Ikegami², NAO SUZUKI¹, JYUNKO OHINATA¹, SATORU
 TAKAHASHI¹, HAJIME TANAKA¹, MASAHARU TAKAHASHI², KENJI FUJIEDA¹
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² Department of psychology, Asahikawa Medical College, Asahikawa, Japan
- P-138 Effect of an occupational therapy of hiragana character in two patients with Williams syndrome**
 TOMOE HONMA^{*1}, YUICHI KUSUNOKI¹, SONOMI NAKAJIMA², YASUHIITO SENGOKU²,
 NOBUTADA TACHI²
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² School of Health Sciences, Sapporo Medical University
- P-139 The process of being depressive symptoms in the mothers of children with AD/HD**
 SHOKO MANO^{*1}, HIROYUKI UNO²
¹ Ehime Prefectural University of Health Sciences, Ehime, Japan
² Hyogo University of Teacher Education, Hyogo, Japan
- P-140 Effect of summer treatment program on cognitive function of children with ADHD**
 YUSHIRO YAMASHITA^{*1}, CHIHO IIZUKA¹, HIROKO KOMATSU¹, AMI SUGIMOTO¹, TAKASHI
 OHYA¹, MASAYUKI NAKASHIMA^{1,2}, SHIN-ICHIRO NAGAMITSU¹, TOYOJIRO MATSUISHI¹
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- P-141 A study of pharmacological treatment evaluation for AD/HD children**
 HITOSHI UCHIYAMA^{*1}, RIINA SUZUKI², KOUZAKU OHNO³, TATSUYA KOEDA^{2,4}
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Electrophysiology 2

- P-142 Analysis of clinical manifestation, interictal EEG and ictal EEG using video-EEG monitoring**
KIYOKO ISHII*, KENJI SUGAI, HIROFUMI KOMAKI, EIJI NAKAGAWA, MASAYUKI SASAKI
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- P-143 Electrophysiological studies in Mycoplasma encephalitis involving medullary reticular formation.**
SATOKO KUMADA*, YUKIKO HANAFUSA, SUNAO TOMITA, RITSUKO SHIGETOMO, EIJI KURIHARA
Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan
- P-144 ERPs for behavior inhibition during Go/NoGo tasks in patients with frontal absence**
SAYAKA NOGUCHI*, YOSHIMI KAGA, HIDEAKI KANEMURA, MASAO AIHARA
The Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- P-145 EEG and subtle seizures in 2 infants with hydranencephaly**
REIMI TSURUSAWA*¹, YOSHIE SEGAWA³, NAOYA ITOKAZU³, SACHIO TAKASHIMA³, AKIHISA MITSUDOME⁴, SAWA YASUMOTO², SATOKO MORI², SHIMICHI HIROSE²
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² Department of Pediatrics, Fukuoka University, Japan
³ Yanagawa Handicapped Children Care Center
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- P-146 Olfactory perception evaluated by an EEG dipole tracing method.**
SHUNSUKE SAKURAI*¹, YURI MASAOKA², MASARU TATSUNO¹, KAZUO ITABASHI¹, IKUO HOMMA²
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- P-147 Identification and normal amplitude of subcortical and cortical components of MN-SSEPs in children**
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- P-148 MN-SSEPs morphology in chiari 2 malformation.**
CHISAKO FUKUDA*¹, YUTAKA TOMITA¹, FUMIKO TANABE², YOSHIHIRO MAEGAKI²
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² Department of Child Neurology, Institute of Neurological Science, Faculty of Medicine, Tottori University, Yonago, Japan
- P-149 Early diagnosis and management of Guillain-Barre syndrome by Electrophysiological study**
MASAHO NEGISHI*¹, JEORGE IMATAKA¹, NORIHITO KOKUBUN², HIDE YAMANOUCHI¹
¹ Dokkyo University School of Medicine, Tochigi, Japan
² Dokkyo University School of Medicine, Tochigi, Japan
- P-150 Usefulness of H reflex in patients with atypical Miller Fisher syndrome**
MANABU YOSHIHASHI*, KATSUNORI FUJII, SATOSHI ANZAI, KASUMI NAGASAWA, YOICHI KOHNO
Department of Pediatrics, Chiba University Graduate School of Medicine, Chiba, Japan
- P-151 Examination of frontal functions in autism by Near-Infrared Spectroscopy**
AYA FUKUMOTO*¹, TOSHIAKI HASHIMOTO^{2,3}, YOUHEI TATSUTA³, EMIKO FUJII², MIO NISHIMURA^{2,4}, YOSHIMI TSUDA^{2,3}, KENJI MORI², MASAHITO MIYAZAKI², MASAFUMI HARADA⁵, SYOJI KAGAMI^{1,2}
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⁴ Tokushima Red Cross Hinomine Medical Center
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Involuntary movement/Basal ganglia

P-152 A case of childhood narcolepsy with possible Restless Leg Syndrome

NATSUKO HOSHINO^{*1}, KUMI KATO¹, IKUKO MOURI¹, KOJI TOMINAGA¹, KEN ARAYA¹, KURIKO SHIMONO¹, TAKESHI OKINAGA¹, NORIO SAKAI¹, NAOKO TACHIBANA², MASAKO TANIKE¹, KEIICHI OZONO¹

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P-153 Two cases of attention-deficit hyperactivity disorder with restless legs syndrome

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P-154 Restless legs syndrome and growing pain among primary school children

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P-155 A Case of Aromatic L-Amino Acid Decarboxylase (AADC) Deficiency Complicated Epilepsy

SUSUMU ITO^{*1}, TOMOHIRO NAKAYAMA¹, YASUSHI ITO¹, AKIKO HUJI¹, MUTSUKI SHIOTA¹, MARIKO SUNAHARA¹, KAORU IMAI¹, KAZUTOSHI NAKANO¹, MAKIKO OSAWA¹, SYUHEI IDE², YUICHI GOTO²

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P-156 A neonatal case of brainstem reticular reflex myoclonus

YOSUKE KAKISAKA^{*}, KAZUHIRO HAGINOYA, NORIKO TOGASHI, TARO KITAMURA, MITSUGU UEMATSU, NAOMI FUKUYO, KAZUIE IINUMA, SHIGERU TSUCHIYA

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P-157 Analysis of two siblings who showed dopa-responsive dystonia

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P-158 A case of Pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections

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P-159 Rituximab therapy for Opsoclonus-myoclonus syndrome with neuroblastoma: a case report.

HISAKO INOUE^{*1}, YOUKO SUGIE¹, KEN MIYAMOTO¹, KOUICHI HIRAKO¹, TAKEHIKO OHZEKI¹, TERUHIKO SUZUKI², JUNKO OSAWA², HIDEO SUGIE²

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Genetics 1

P-160 Study of clinical symptomatology of 23 Gorlin syndrome patient

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P-161 Molecular Genetics in 23 Cases of Gorlin Syndrome : Various Distribution of PTCH Mutations

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P-162 The dominant negative isoform of PTCH gene responsible for Gorlin syndrome

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P-163 A boy with mutation in a monocarboxylate transporter gene

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P-164 Genetic analysis in mental retardation and expansion of a research resource repository

EIJI NAKAGAWA^{*1}, KYOKO TAKANO², TAKAHITO WADA³, TAKEO KUBOTA⁴, MITSUHIRO KATO⁵, EIJI NANBA⁶, SHINJI SAITOH⁷, KENJI KUROSAWA⁸, TATSUSHI TODA⁹, YUICHI GOTO²

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- P-165 A case of xeroderma pigmentosum/Cockayne syndrome**
YUKIKO KIKUCHI*, MASATO MORI, YASUYUKI NOZAKI, TAKANORI YAMAGATA, MARIKO MOMOI
Department of pediatrics, Jichi Medical University, Tochigi, Japan
- P-166 Coffin-Lowry syndrome:Case report of long-term survivor**
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- P-167 A family case considered erythralgia**
MAIKO SAKAKIMOTO*¹, HIROKO TADA¹, KAZUYUKI TASHIMA¹, KATSUNORI FUJII², YOICHI KOHNO²
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- P-168 Identification of PTCH deletions in Gorlin syndrome patients by MLPA and CGH array**
KATSUNORI FUJII*¹, HIDEKI UCHIKAWA^{1,2}, HIROSHI ARAI³, YOKO TANAKA⁴, KIMIO SASAKI⁵, TOSHIYUKI MIYASHITA², YOICHI KOHNO¹
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- P-169 HLA in Japanese patients with AEDs-induced cutaneous adverse drug reactions**
HIROKO IKEDA*¹, YUKITOSHI TAKAHASHI¹, MASAOKI MURAMATSU², MARIKO KASHIWAGI², ETSUKO YAMAZAKI¹, YUKO KUBOTA¹, HIDEYUKI OTANI¹, KIYOSHI EGAWA¹, TATEKI FUJIWARA¹
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- P-170 A case of Fanconi syndrome after discontinuance of carnitine administration during valproate therapy**
HIROAKI ONO*
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- P-171 A Case of Acute Valproate Intoxication**
TAKAMASA KISHI*
Department of Pediatrics, KKR Hiroshima Memorial Hospital, Hiroshima, Japan
- P-172 Three cases with thyroid stimulating hormone elevation during treatment with antiepilepsy drugs**
TOMOHIRO USUKU*
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- P-173 Oxidative stress in the cerebrospinal fluid in patients with febrile seizures**
NAOYUKI TANUMA*¹, RIE MIYATA², MASAHARU HAYASHI³, MASAYA KUBOTA⁴
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- P-174 Neuroepidemiology of West syndrome in Miyagi prefecture**
NAOMI FUKUYO*¹, KAZUHIRO HAGINOYA¹, KAZUIE IINUMA², AKIRA OHNUMA³, KATSUYA YAMAMOTO⁴, HIDEITO YOSHIKAWA⁵, SHIGERU TSUTIYA¹
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- P-175 Cryptogenic West syndrome in siblings suspected to be idiopathic etiology**
TOMOTAKA ORITSU^{*1}, HIDEOMI OTA¹, SHINICHIRO HAMANO², YOSHIKASTU ETOU³
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² SAITAMA CHILDREN 'S MEDICAL CENTER
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- P-176 effect of ketogenic diet for a case of Lennox-Gastaut syndrome**
SATOSHI TEI^{*}, AI YOMODA
Himeji Redcross Hospital, Hyogo, Japan
- P-177 Probable epilepsy showing clustered vomiting that cannot be withdrawn from continuous i.v.midazolam**
DAISUKE USUI^{*1}, TAKUTOSI HOSOKAWA¹, YOSHIHIKO TERAUTI¹, SUMITAKA DOUNO¹, JUNNITI ARAI¹, HIROAKI HISAKAWA¹, MIKIYA FUJIEDA¹, HIROSI WAKIGUTI¹, EMIKO FUJII², YUMIKO KOTANI², KENJI MORI², KENJI SUGAI³
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- P-178 A case of intractable epilepsy after AVM rupture effectively treated by epilepsy surgery**
TETSURO NAGASAWA^{*1}, KOICHI MIZUGUCHI¹, YUICHI ABE¹, AKIRA OKA¹, NOBUHITO MOROTA²
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² Division of Neurosurgery, National Center for Child Health and Development, Tokyo, Japan
- P-179 Indication and developmental effect of corpus callosotomy for pediatric intractable epilepsy**
ASAKO ARAI^{*1}, HIROFUMI KOMAKI¹, EIJI NAKAGAWA¹, KENJI SUGAI¹, MASAYUKI SASAKI¹, HIDEYUKI NAKAMA², TAISUKE OOTSUKI²
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² Department of Neurosurgery, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan
- P-180 Visual cognitive function for intractable epilepsy infants during perioperative period**
TSUKASA OHASHI^{*1}, EIJI NAKAGAWA¹, HIROKATA OE³, HIROFUMI KOMAKI¹, KENJI SUGAI¹, MASAYUKI SASAKI¹, IWAO KOBAYASHI²
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³ Division of Care and Education, National Center Hospital for Mental, Nervous and Muscular Disorders, National Center of Neurology and Psychiatry, Tokyo, Japan
- P-181 A case of Malignant migrating partial seizures in infancy with Heparin-induced thrombocytopenia**
SHINGO OANA^{*}, GAKU YAMANAKA, KIYOKO WATANABE, YOSHIKI WATANABE, SOUKEN GO, YASUYUKI MORISHIMA, TASUKU MIYAJIMA, AKINORI HOSHIKA
The Depatment of Pediatrics, School of Medicine, Tokyo Medical University, Tokyo, Japan
- P-182 A case of 47,XXX syndrome with periodic spasms**
YUKIO SAWAISHI^{*}, TAMAMI YANO, YASUHIRO WATANABE, GORO TAKADA
Department of Pediatrics, Akita University School of Medicine
- P-183 Clinical study of reflex epilepsy, 8 cases report**
YUSAKU ENDO^{*1}, TSUYOSHI OHMI¹, TOJO NAKAYAMA¹, SHIHO HONZAWA¹, MAKI OSAWA¹, HIROFUMI KOMAKI¹, EIJI NAKAGAWA¹, KENJI SUGAI¹, MASAYUKI SASAKI¹, TAISUKE OOTSUKI²
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P-184 IMZ SPECT of the cases with Malignant rolandic-sylvian epilepsy in children (MRSE)

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NAOMI FUKUYO², NORIKO TOGASHI⁴, HIROYUKI YOKOYAMA², CHIEKO NARA², MITSUTOSHI
MUNAKATA², MIEKO HIROSE², KEISUKE WAKUSAWA², IKUKO SATO³, TOMOKO KOBAYASHI²,
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P-185 Clinicopathological study of a patient with frontal lobe epilepsy with localized hyper perfusion

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P-186 Questionnaire for tuberous sclerosis

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P-187 Brother and sister of Severe myoclonic epilepsy in infants with pointmutation of SCN1A

YOKO KONDO^{*1}, TAKETO IKUTA¹, JUN NATSUME¹, TAMIKO NEGORO¹,
KAZUYOSHI WATANABE², HIROKAZU KURAHASHI^{1,3}, SHINICHI HIROSE³

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P-188 Characterization of the gene expression on double-stranded RNA stimulation in febrile seizures

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P-189 Clinical characteristics of patients with late febrile convulsions

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P-190 clinical feature and prognosis of infantile seizure

HITOMI FUJITA^{*}, TAKANORI YAMAGATA, YUKIKO KIKUTI, TAMAKO GOTO, KIYOTAKA SUWA,
MASATO MORI, MARIKO MOMOI

Department, Jichi Medical University

P-191 benign infantile convulsion: clinical course and treatment

YUICHI ABE^{*}, KOUICHI MIZUGUCHI, TETUROU NAGASAWA, AKIRA OKA

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P-192 Inflammatory cytokines in cerebrospinal fluid from patients with gastroenteritis induced convulsion

MASAHIRO KIKUCHI^{*}, KAZUHIRO HAGINOYA

Department of Pediatrics, Hitachi General Hospital, Hitachi, Japan

P-193 Efficacy of carbamazepine in patients with benign convulsions with mild gastroenteritis

TAKASHI MICHISHITA^{*}, TOSHIHIKO KOUJI

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P-194 Phenobarbital therapy for convulsions associated with mild gastroenteritis

NAOKI HASHIMOTO^{*}, OSAMU MIYAKE, MASAMITSU NISHINO, YOUKEI RI, HIROKUNI NEGISHI

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Autonomic disorders/Headache

P-195 A clinical research of children with headache visiting to the emergency department

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- P-196 A case of Chiari malformation type I with orthostatic headache**
 NAOKI ANDO*, SATORU KOBAYASHI, AYAKO HATTORI, TATSUYA ISHIKAWA, HAJIME TOGARI
 Department of Pediatrics, Neonatology and Congenital Disorders, Nagoya City University, Graduate School of Medical Sciences, Nagoya, Japan
- P-197 A case of tension-type headache improved with Kampo medicine**
 KO NISHIMURA*
 Department of Kampo Medicine, Keio University, Tokyo, Japan
- P-198 Migraine-like attacks by head trauma in children with Sturge-Weber syndrome: two cases report**
 MARIKO KODA*, YUKIKO IHARA¹, YUKO TOMONO¹, TAKAHITO INOUE¹, SAWA YASUMOTO¹,
 YASUHIKO TAKAHASHI², SHINICHI HIROSE¹
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² Kyushu Kosei nenkin Hospital, Kitakyushu, Japan
- P-199 A case of ophthalmoplegic migraine with a rise in cytomegalovirus-specific IgG antibody**
 TAKESHI OGOSE*¹
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² Department of Pediatrics, National Hospital Organization Kochi National Hospital, Kochi, Japan
- P-200 Tolosa-Hunt syndrome Accompanied by Peripheral Facial Paralysis**
 CHIAKI KATSURA*, SATOSHI ARAKI
 Department of Pediatrics, Tokyo Medical and Dental University, Tokyo, Japan
- P-201 A case with acquired sensory and autonomic neuropathy**
 YU KANAI*, RYUTA TANAKA, TAKASHI SAITO, TATSUYUKI OHTO, AKIRA MATSUI
 The Department of Pediatrics, Institute of Clinical Medicine, University of Tsukuba, Tsukuba, Japan
- P-202 Dscam knockout mouse as a model for sudden infant death syndrome**
 KENJI AMANO*, MORIMITSU FUJII², AKIKO ARATA², KAZUHIRO YAMAKAWA¹
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Mental disability/Movement disorders 1

- P-203 Summary of patients aged over twelve years old at first examination from 2001 to 2006**
 YUKO SAKAUE*, TOMOYUKI TAKANO, YOSHIHIRO TAKEUCHI
 Shiga University of Medical Science, Shiga, Japan
- P-204 The characteristic of exploratory eye movement in Asperger's syndrome.**
 TAKASHI OYA*, CHIHO IIZUKA¹, SHIN-ICHIRO NAGAMITSU¹, YUSHIRO YAMASHITA², KIICHIRO MORITA², TOYOJIRO MATSUISHI¹
¹ Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume, Japan
² Cognitive and Molecular Research Institute of Brain Disease
- P-205 Ameliorated sleep disturbance by melatonin lead to improve behavior in two case of Asperger Syndrome**
 MICHIKO SUGAMA*, ASAYO ISHIZAKI
 Oji Clinic; Division of Medicine The Association of Remedial Teaching for People with Developmental Handicaps, Tokyo, Japan
- P-206 The Asperger syndrome girl with OCD improved by the treatment of medication and behavioral therapy**
 AYAKA TAKAHASHI*
 The Department of Psychiatry, University of Tokyo, Tokyo, Japan
- P-207 An epileptic patient with ictal fear misdiagnosed as panic disorder**
 HIDEYUKI OOTANI*, YUKITOSHI TAKAHASHI, YUKO KUBOTA, KIYOSHI EGAWA, HIROKO IKEDA, YUSHI INOUE, TATEKI FUJIIWARA
 National Epilepsy Center Shizuoka Institute of Epilepsy and Neurological Disorders, Shizuoka, Japan
- P-208 Two Cases Treated with Methylphenidate: Problems Concerning the Collaboration with Teachers**
 TATSUYA OGINO*, AKIHITO TAKEUCHI², MAKIO OKA², YOKO OHTSUKA²
¹ Center for Research on Child and Education, Cugokugakuen University, Okayama, Japan
² Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

- P-209 Effects of EGCG treatment on behavioral abnormalities in Ts1Cje; a model for Down syndrome**
 ATSUSHI SHIMOHATA*, EBRAHIM A.SHUKKUR, KAZUHIRO YAMAKAWA
 Lab. for Neurogenetics, RIKEN-BSI, Saitama, Japan
- P-210 The effectiveness of the visiting limitation in anorexia nervosa**
 HIROKO HANEDA^{*1}, HARUYO SHIMAZAKI¹, YOSHIKATSU ETOU¹, FUMIYUKI ITOU¹,
 SHINICHIROU HAMANO²
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Learning disorders 1

- P-211 Assessment of Working Memory in Advanced Trail Making Test (ATMT) for Children**
 NAOMI KOKUBO^{*1}, MASUMI INAGAKI¹, ATSUKO GUNJI¹, OSAMI KAJIMOTO², MAKIKO KAGA¹
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² Osaka University of Foreign Studies, Osaka, Japan
- P-212 A functional MRI study in Japanese dyslexia during letter rhyming task - A parametric analysis -**
 AYUMI SEKI^{*1}, HITOSHI UCHIYAMA², TATUSYA KOEDA¹
¹ Department of Education, Faculty of Regional Sciences, Tottori University, Tottori, Japan
² Division of Child Neurology, Graduate School of Medical Sciences, Tottori University
- P-213 Neuropsychological findings of attention deficit and dyslexia in a patient with epilepsy.**
 TOMOKO TANDOU*, YOSHIMI KAGA, KAKUROU AOYAGI, HITOSHI SHIMOYAMA, HIROMI
 HOSAKA, SAYAKA NOGUCHI, MASAO AIHARA
 Department of Pediatrics, Faculty of Medicine, University of Yamanashi, Yamanashi, Japan
- P-214 A case of left hemiplegia with phonemic discrimination deficit**
 MIHO FUKUI^{*1}, SYUITI SIMAKAWA¹, EIJI WAKAMIYA², HIRISHI TAMAI³
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Tumor

- P-215 Tumor suppression by a COX-2 inhibitor in patients with neurofibromatosis type 2**
 MUNEAKI MATSUO*, KAZUYA SASAKI, KIYOHISA ISHII
 Department of Pediatrics, Faculty of Medicine, Saga University
- P-216 Familial spinal neurofibromatosis; symptomatic cervical tumors in three generations of a family.**
 MASAHIRO TSUJI*, SAYAKA HARADA
 Department of Pediatrics, Kobe City General Hospital, Kobe, Japan
- P-217 A case of acute lymphoblastic leukemia presenting oculomotor nerve palsy**
 AYAKA KOIDE^{*1}, NAOYA NAKADATE², RIINA SUZUKI¹, MAKIKO TOMINAGA¹, AI TOYOIZUMI¹,
 MASAYA KUBOTA¹
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- P-218 Clinical Experience of Medulloblastoma 5 cases**
 KENSUKE AKIYOSHI*, SOUICHI SUENOBU, HIROSHI YAMADA, TATSURO IZUMI
 Department of Pediatrics and Child Neurology, Oita University Faculty of Medicine, Oita, Japan

Perihepapheral neuropathy

- P-219 Electrodiagnostic findings of Guillain-Barre Syndrome in Children**
 KOICHI MIZUGUCHI^{*1}, IKUMI KIMURA², YUICHI ABE¹, TETSURO NAGASAWA¹, AKIRA OKA¹
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- P-220 Investigation of acute inflammatory demyelinating polyneuropathy in childhood**
TAKESHI OKINAGA^{*1}, NORIKO KAMIO², KEN ARAYA¹, NATUKO HOSHINO¹, KOUJI TOMINAGA¹, KURIKO SHIMONO¹, KENICHI OZONO¹, TOSHISABUROU NAGAI^{1,3}
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² Pediatrics, ITAMI City hospital, Hyogo, Japan
³ Welth care, University of Osaka, Osaka, Japan
- P-221 A case of Guillain-Barre syndrome with IgM antibody to ganglioside GalNAc-GD1a and GM2**
HIROSHI MATSUMOTO^{*}, YASUKO NAKAMURA, YUJI TAKIZAWA, OSAMU KOBAYASHI
Department of Pediatrics, National Defense Medical College, Tokorozawa, Japan
- P-222 A case of polyneuropathy aseptic meningitis of induced by immunoglobulin therapy**
MARIKO FUJIMATSU^{*}, TAKEHISA FUJITA
Nippon medical school musashikosugi hospital, Kanagawa, Japan
- P-223 PSL and long-intermittent IVIG had effect on CIDP**
TERUMI MURAKAMI^{*1}, MAKI KOMINE¹, AYAKO MUTOU^{1,2}, MAKOTO FUNATSUKA^{1,2}, YUKIKO HIRANO¹, MAKIKO OSAWA¹
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² Dept of Pediatrics, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan
- P-224 Azathioprine effective case of CIDP (chronic inflammatory demyelinating polyneuropathy)**
TAMAMI YANO^{*}, YUKIO SAWAISHI, GORO TAKADA
The Department of Medicine, University of Akita, Akita, Japan
- P-225 A case of mononeuritis of coda equina confirmed by contrasting MRI**
KATSUHIKO YAMAGUCHI^{*1}, SHUNSUKE SAKURAI², MASARU TASUNO², KAZUO ITABASHI²
¹ The Pediatrics of Machida Municipal Hospital
² Department of Pediatrics, Showa University School of Medicine
- P-226 A 10-year-old girl with Myokymia-Cramp syndrome following a influenza A infection**
KAZUHIRO OHYA^{*1}, TAKAHIRO KATO¹, TOMIHIRO IMAI², NOBUTADA TACHI³
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² The Department of Neurology, Sapporo Medical University School of Medicine, Sapporo, Japan
³ Sapporo Medical University School of Health Science, Sapporo, Japan
- P-227 Two cases of chronic progressive plexopathy presenting with weakness and wasting of one extremity**
TSUYOSHI OOMI^{*}, YUUSAKU ENDO, HIROFUMI KOMAKI, MAKI OSAWA, EIJI NAKAGAWA, KENJI SUGAI, MASAYUKI SASAKI
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Myopathy 3

- P-228 Medical consultation for school children with neuromuscular disorders in Osaka prefecture**
TOSHIO SAITO^{*}, SUSUMU SHINNO
Division of Neurology, Toneyama National Hospital, Toyonaka, Japan
- P-229 Nutritional inadequacy in Duchenne muscular dystrophy**
HIROFUMI KOMAKI^{*1}, MAMI SHIMIZU^{1,2}, EIJI NAKAGAWA¹, KENJI SUGAI¹, MASAYUKI SASAKI¹
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² Center for Integrated Human Brain Science, Brain Research Institute, Niigata University, Niigata, Japan
- P-230 An autopsied case of Fukuyama congenital muscular dystrophy**
SUNAO TOMITA^{*1}, YUKIKO HANAFUSA¹, RITSUKO SIGETOMO¹, SATOKO KUMADA¹, EIJI KURIHARA¹, YUKO MOTIDUKI², TOSHIO MIZUTANI², SYOUKO ENOMOTO³
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² Department of Neuropathology, Tokyo Metropolitan Neurology Hospital, Tokyo, Japan
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- P-231 Gene expressions in muscles from Pompe patients**
 TOKIKO FUKUDA^{*1}, HIDEO SUGIE¹, TERUHIKO SUZUKI¹, YOKO SUGIE², KOICHI HIRANO²,
 TAKESHI MIYAMOTO², JUNKO OHSAWA¹, TAKEHIKO OHZEKI²
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 Japan
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- P-232 Hepatic complications of infantile myotubular myopathy**
 SAE HANAI^{*1}, HIROHUMI KOMAKI¹, MAKI OHSAWA¹, EIJI NAKAGAWA¹, KENJI SUGAI¹,
 MASAYUKI SASAKI¹, JUN SINDO², KYOKO TAKAMURA²
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 National center of Neurlogy and Psychiatry, Tokyo, Japan
² Division of Neonatology, Tokyo Metropolitan Kiyose Children's Hospital, Tokyo, Japan
- P-233 Tiral therapy for the first Japanese acetylcholine receptor deficiency patient**
 KEIKO ISHIGAKI^{*}, TERUMI MURAKAMI¹, KEIKO SHISHIKURA¹, HARUKO SUZUKI¹, YOSHITO
 HIRAYAMA¹, MAKIKO OSAWA¹
 Department of Pediatrics, Tokyo Women's Medical University, Tokyo, Japan
- P-234 The use of diffusion-weighted imaging in juvenile dermatomyositis**
 HIDEE ARAI^{*1}, TAKU OMATA¹, YUZO TANABA^{1,2}
¹ Department of Neurology, Chiba Children's Hospital, Chiba, Japan
² Soga pediatric clinic, Chiba, Japan
- P-235 Muscle CT findings in patients with childhood onset spinal muscular atrophy (SMA)**
 YOICHI ONO^{*}, CHITOSE SUGIURA¹, YOSHIHIRO MAEGAKI¹, KOSAKU OHNO¹
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- P-236 A novel splicing mutation IVS3-3delC in ARSA, its effect on a case of metachromatic leukodystrophy**
 YO NIIDA^{*}, TAKANORI TSUJI¹, NOBORU TAKIZAWA¹
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- P-237 Usefulness of MRI Diffusion Tensor Imaging for neurological evaluation of MLD after HSCT**
 KEN ARAYA^{*}, NATSUKO HOSHINO¹, KOJI TOMINAGA¹, KURIKO SHIMONO¹, TAKESHI OKINAGA¹,
 NORIO SAKAI¹, MASAKO TANIKE¹, KEIICHI OZONO¹
 Department of Pediatrics, Osaka University Graduate School of Medicine, Osaka, Japan
- P-238 Evaluation of visual cognition in neurologically asymptomatic boys with adrenoleucodystrophy**
 WAKANA FURUSHIMA^{*1}, MASUMI INAGAKI¹, ATSUKO GUNJI¹, MASAKO NAKAMURA¹, YUKI
 INOUE¹, MAKIKO KAGA¹, YASUYUKI SUZUKI²
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 Health, Welfare and Labor, Japan
- P-239 An infantile form of Alexander disease with deletion in GFAP gene.**
 HISASHI ITABASHI^{*1}, NOBUYUKI MURAKAMI¹, RYOICHI SAKUTA¹, NAOMI KANAZAWA²,
 SEIICHI TUJINO², TOSHIRO NAGAI¹
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- P-240 A case of boy and his mother with Alexander disease diagnosed by DNA analysis**
 AYAKO MIYAHARA^{*1}, SATOSHI TURUI¹, TAKEHIKO OZEKI², NAOHIDE SHIROMA³
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 the Ryukyus, Okinawa, Japan
- P-241 A Japanese family with Megalencephalic leukoencephalopathy with subcortical cyst**
 HIROSHI FUJITA^{*1}, YUKIO SAWAISHI²
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- P-242 The boy of apnea,epilepsy,cataract,Hirschsprung related disease,brain atrophy,hypomyelination**
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- P-243 Determinant for disease severity of Pelizaeus-Merzbacher Disease**
HITOSHI OSAKA^{*1}, KENJI KUROSAWA², MIZUE IAI¹, MICHIKO YAMADA¹, SUMIMASA YAMASHITA¹
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³ Kanagawa Cancer Center Research Institute
- P-244 A case of female Pelizaeus-Merzbacher disease with X-chromosomal abnormality**
KAZUMI SAWADA^{*1}, YUKIKO KODAMA¹, HIROSHI AIKOH², AKIKO IWAKI³, TOSHIO IKEDA¹, KANA KANMURA¹
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- P-245 A patient with A3243G mutation, neonatal cardiomyopathy, infantile spasms and developmental delay**
TATSUYA FUJII^{*1}, TOMOKO MIYAJIMA¹, YU-ICHI GOTO², MASATOSHI ITO¹
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- P-246 1-year-old girl with dry beriberi cased by excessive intake of isotonic-drink.**
MEGUMI TAKEMOTO^{*}, AYA KAMATA¹, KENJIRO GONDO¹, TOSHIO HANAI¹
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- P-247 Sibling cases suspected of hepatocerebral mtDNA depletion syndrome.**
RYOKO HONDA^{*1}, YOSHIHIKO IMAMURA^{1,2}, AKIRA TSURU², HIROYUKI MORIUCHI¹
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- P-248 Administration of L-arginine to a patient with MELAS (a case report)**
TAKESHI MIYAMOTO^{*1}, HISAKO INOUE¹, KOUICHI HIRANO¹, YOKO SUGIE¹, TAKEHIKO OHZEKI¹, TERUHIKO SUZUKI², TOKIKO HUKUDA², HIDEO SUGIE²
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- P-249 A clinical feture of a patient with PDHC deficiency; a point mutation(R127W)of E1 alpha subunit.**
KAORU ETO^{*1}, KAZUTOSHI NAKANO¹, KATUJI KARAKI¹, TOMOHIRO NAKAYAMA¹, AYAKO MUTO¹, KITAMI HAYASHI¹, ETUO NAITO², MAKIKO OOSAWA¹
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- P-250 A female patient with PDHC deficiency caused by G291R mutation treated with sodium DCA for 13 years**
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- P-251 Natural history of MELAS in literature reserch.**
SHUICHI YATSUGA^{*}, KOJU KATAYAMA¹, JUNKO NISHIOKA¹, YUKIHIRO AKITA¹, YASUTOSHI KOGA¹, TOYOJIRO MATSUISHI¹
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P-252 Clinical course of childhood-onset MELAS, and classification of clinical stages
MIHOKO MATSUZAKI*, KAZUTOSHI NAKANO, KAORI SASAKI, TOMOHIRO NAKAYAMA,
MIKAKO TARASHIMA, EMIKO TACHIKAWA, NAOKO NAKAYAMA, TERUMI MURAKAMI,
HARUKO SUZUKI, KEIKO SHISHIKURA, YOSHIHITO HIRAYAMA, MAKIKO OSAWA, ,
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P-253 A case of Autism with Wernicke's encephalopathy caused by an extremely unbalanced diet
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P-254 Functional analysis in autopsy cases of mucopolysaccharidosis
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P-255 Measurement of urine orexin-A for diagnosis of narcolepsy
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P-256 a case of 2-year-old girl with spinal muscular atrophy type 3 having SMN2 gene 3 copies
MADOKA KAJIMOTO*¹, NAOKO SUENAGA¹, TAKASHI ICHIYAMA¹, SUSUMU FURUKAWA¹,
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P-257 Effect of thioridazine on lipid metabolism in C-6 glia cells
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P-258 A family of Hereditary spastic paraplegia which needed to differentiate from HAM
TAKU OMATA*¹, YUZO TANABE^{1,2}, HIDEKI ARAI¹
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P-259 A case of SMA plus variant which merged progressive cerebral atrophy.
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P-260 Molecular analyses for Patients with Neuronal Ceroid Lipofuscinosis
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P-261 The importance to maintain the enzyme replacement therapy for Pompe disease

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P-262 Two cases of long-term survival of patients with SMA type1 showing involvement of peripheral nerves

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P-263 The state of long hospitalization at KITASATO university hospital

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P-264 Successful treatment of Toromi up milk in a case of low birth weight baby with apnea during sucking

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P-265 Amplitude-Spectral Analysis of Delta Waves in Disorganized patterns

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P-266 A case of neonatal cerebral infarction restricted to the left postcentral gyrus

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P-267 MRI evaluation of periventricular leukomalacia at term predict motor outcome in Preterm Infants

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