

**The 52nd Annual Meeting of  
Japanese Society of Child Neurology**

May 20-22, 2010

Fukuoka International Congress Center, Japan

**PROGRAM**

Thursday May 20, 2010

	Room A 3F Main Hall	Room B 5F 501 International Conference Room	Room C 5F Meeting Rooms 502-503
8:00			
9:00	<p>Opening Ceremony</p> <p>Presidential Lecture 9:00-9:30  <b>Rett syndrome: The state of clinical and basic research after 22 years of experience, and future perspectives</b>            TOYOJIRO MATSUJISHI Chair: FUMIO YAMASHITA</p> <p>Invited Lecture (Segawa Program)            9:30-10:20  <b>Rett Syndrome and MECP2            – Status of Knowledge 10 Years after the Gene</b>            UTA FRANCKE            Chair: MASAFUMI MATSUO</p> <p>Special Lecture I            10:20-11:10  <b>Physiological functions of ghrelin, a growth hormone releasing and appetite stimulating hormone</b>            MASAYASU KOJIMA            Chair: HIROKO KODAMA</p> <p>Keynote Lecture 11:10-11:40  <b>What I learned from muscular dystrophy research</b>            IKUYA NONAKA            Chair: MAKIKO OSAWA</p>		
10:00			
11:00			
12:00		<p>Luncheon Seminar 1            12:00-12:50            BUNG-NYUN KIM            Chair: MAKIKO KAGA</p>	<p>Luncheon Seminar 2            12:00-12:50            HIDEMOTO KUBOTA            Chair: YOKO OHTSUKA</p>
13:00	<p>Special Lecture 2            13:00-13:50  <b>New Horizons in Neuroprotection of the Newborn:            Cooling is just the Beginning</b>            NICOLA J ROBERTSON            Chair: YUKIO TAKASHIMA</p>	<p>Didactic Lecture 1            13:00-13:45  <b>Frontline in the Treatment of Dystonias</b>            TAKAOMI TAIRA            Chair: YOSHIKO NOMURA</p>	<p>Didactic Lecture 2 13:00-13:45  <b>Neurobiological and behavioral consequences of exposure to childhood traumatic stress</b>            AKEMI TOMODA            Chair: YOSHIHIRO TAKEUCHI</p>
14:00	<p>Symposium 1            13:50-15:50  <b>In Order to Overcome Perinatal Brain Injury:            Across the Borders of Specialties</b>            Chair: AKIHISA OKUMURA            Chair: MASAHIRO HAYAKAWA</p>	<p>Invited Lecture 2            13:45-14:30  <b>Parenting and Sleep in Early Childhood</b>            AVI SADEH            Chair: TERUHISA MIIKE</p>	<p>Developmental Disorders 1            13:50-14:40  <b>(O-001 - O-005)</b>            Chair: TADASHI KITAHARA            Chair: YO NIIDA</p>
15:00		<p>Symposium 2            14:30-16:20  <b>The science of sleep: good sleep is essential for the healthy development of children</b>            Chair: JUN KOUYAMA            Chair: KAZUHIKO KUME</p>	<p>Developmental Disorders 2            14:40-15:20  <b>(O-006 - O-009)</b>            Chair: AKINORI HOSHIKA            Chair: ASAYO ISHIZAKI</p>
16:00			<p>Developmental Disorders 3            15:20-16:10  <b>(O-010 - O-014)</b>            Chair: KENJI MORI            Chair: MIHO NAKAMURA</p>
17:00			
18:00			
19:00	<p>Transfer to the reception venue            (Bus runs to the reception venue to Floor 1 of the convention venue)</p>		
20:00	<p><b>Reception</b>            Venue: Hotel Nikko Fukuoka (3F Tsukushi no ma)            19:00-21:00</p>		
21:00			

	Room D 4F Meeting Room 411•412	Room E 4F Meeting Room 413•414	Room F 4F Meeting Room 409•410	Room G 2F Multi-purpose Hall
8:00				
9:00				
10:00				
11:00				
12:00	<b>Luncheon Seminar 3</b> 12:00-12:50 YOSHIAKI TANAKA Chair: RYOJI FUKUSHIMA	<b>Luncheon Seminar 4</b> 12:00-12:50 KENJI SUGAI Chair: MEGUMU TOJO	<b>Luncheon Seminar 5</b> 12:00-12:50 IKUYA NONAKA Chair: MAKIKO OSAWA	
13:00	<b>Epilepsy •Seizure Disorders 1</b> 13:00-13:50 (O-015 - O-019) Chair: YOKO OHTSUKA Chair: YOSHIHIRO MAEGAKI	<b>Acute Encephalitis •Encephalopathy 1</b> 13:00-14:10 (O-035 - O-041) Chair: MASASHI MIZUGUCHI Chair: JYUNICHI TAKANASHI	<b>Genetics 1</b> 13:00-13:50 (O-055 - O-059) Chair: TAKEO KUBOTA Chair: SHINJI SAITOH	Poster Session
14:00	<b>Epilepsy •Seizure Disorders 2</b> 13:50-14:50 (O-020 - O-025) Chair: TOSHISABURO NAGAI Chair: SAWA YASUMOTO	<b>Acute Encephalitis •Encephalopathy 2</b> 14:10-15:10 (O-042 - O-047) Chair: MASASHI SHIOMI Chair: SHIN-ICHIRO HAMANO	<b>Genetics 2</b> 13:50-14:50 (O-060 - O-065) Chair: TOSHIYUKI YAMAMOTO Chair: HISAHIDE NISHIO	
15:00	<b>Epilepsy •Seizure Disorders 3</b> 14:50-16:20 (O-026 - O-034) Chair: KENJI SUGAI Chair: HIROKAZU OGUNI	<b>Acute Encephalitis •Encephalopathy 3</b> 15:10-16:20 (O-048 - O-054) Chair: TAKASHI ICHIHAMA Chair: TAKASHI SHIHHARA	<b>Metabolic Disorders 1</b> 14:50-15:40 (O-066 - O-070) Chair: HIROYUKI IDA Chair: NORIKAZU SHIMIZU	
16:00			<b>Metabolic Disorders 2</b> 15:40-16:20 (O-071 - O-074) Chair: SEIJI YAMAGUCHI Chair: YUICHI GOTO	
17:00				
18:00				
19:00	Transfer to the reception venue (Bus runs to the reception venue to Floor 1 of the convention venue)			Poster Removal
20:00	<b>Reception</b> Venue: Hotel Nikko Fukuoka (3F Tsukushi no ma) 19:00-21:00			
21:00				

Friday May 21, 2010

	Room A 3F Main Hall	Room B 5F 501 International Conference Room	Room C 5F Meeting Rooms 502•503
8:00			
9:00	<p><b>Special Lecture 3</b> 9:00-9:50 <b>A humanoid model mouse for autism towards the development of child neurology</b> TORU TAKUMI Chair: MARIKO MOMOI</p>	<p><b>Workshop 1</b> 9:00-11:00 <b>What the psychologist should be in medical field?</b> Chair: YUKUO KONISHI Chair: TAMOTSU TOSHJIMA</p>	<p><b>Cerebral Palsy •Care 3</b> 9:00-10:30 <b>(O-075 - O-083)</b> Chair: KENJI YOKOCHI Chair: KAZUO HIGUCHI</p>
10:00	<p><b>Symposium 3</b> 9:50-12:00 <b>Neuromuscular disorders in children: state-of-the-art molecular research and the forefront of the treatment</b> Chair: KOUSAKU OHNO Chair: HIDEO SUGIE</p>		<p><b>Invited Lecture 3</b> 11:00-11:40 <b>The neurobiological study of ADHD: focus on brain imaging and genetic studies</b> BUNG-NYUN KIM Chair: MAKIKO KAGA</p>
11:00			
12:00			
13:00		<p><b>Luncheon Seminar 6</b> 12:10-13:00 AKIKO ARAKI Chair: TATSUYA KOEDA</p>	<p><b>Luncheon Seminar 7</b> 12:10-13:00 ATSUO NEZU Chair: KAZUO KODAMA</p>
14:00	<p><b>Workshop 2</b> 13:10-15:10 <b>Brain death of infants and children</b> Chair: MASASHI MIZUGUCHI</p>	<p><b>Didactic Lecture 3</b> 13:10-13:55 <b>iPS and transgenic non-human primate technologies as a model to study neurological diseases</b> HIDEYUKI OKANO Chair: TAKAO TAKAHASHI</p>	<p><b>English Session 1</b> 13:10-14:10 <b>(O-093 - O-098)</b> Chair: SHINJI FUSHIKI Chair: TADASHI ARIGA</p>
15:00		<p><b>2010 JSCN Award for Asia Young Investigator</b> 13:55-14:05 <b>Asian Oceanian Child Neurology International Didactic Program</b> 14:05-14:25 Chair: KATSUNORI FUJII</p>	<p><b>English Session 2</b> 14:10-15:10 <b>(O-099 - O-104)</b> Chair: SHINICHI NIJIMA Chair: MITSUHIRO KATO</p>
16:00	<p><b>JSCN General Assembly</b> 15:10-16:10</p>		
17:00	<p><b>Presentation of JSCN Awards to Outstanding Young Investigators</b> 16:10-16:40 Chair: TATEO SUGIMOTO</p>		
18:00			
19:00			
20:00		<p><b>Evening Seminar 1</b> 19:00-21:00 Chair: TATEO SUGIMOTO</p>	<p><b>Evening Seminar 2</b> 19:00-21:00 Chair: JUN KOHYAMA Chair: MASAKO TANIKE</p>
21:00			

	Room D 4F Meeting Room 411•412	Room E 4F Meeting Room 413•414	Room F 4F Meeting Room 409•410	Room G 2F Multi-purpose Hall
8:00	<b>Morning Didactic Seminar 1</b> 8:00-9:00 MASUMI INAGAKI Chair: TOSHIAKI HASHIMOTO	<b>Morning Didactic Seminar 2</b> 8:00-9:00 MITSURU KAWAI Chair: MAKIKO OSAWA	<b>Morning Didactic Seminar 3</b> 8:00-9:00 Chair: MASAYUKI SASAKI Chair: HIDEO SUGIE	
9:00	<b>Developmental Disorders 7</b> 9:00-9:50 (O-105 - O-109) Chair: MASAHIITO MIYAZAKI Chair: AKIHIRO YASUHARA	<b>Epilepsy•Seizure Disorders 6</b> 9:00-9:40 (O-135 - O-138) Chair: SHINICHI HIROSE Chair: YUKITOSHI TAKAHASHI	<b>Acute Encephalitis•Encephalopathy 7</b> 9:00-10:40 (O-165 - O-174) Chair: MASAYUKI SASAKI Chair: AKIHISA OKUMURA	
10:00	<b>Developmental Disorders 8</b> 9:50-10:50 (O-110 - O-115) Chair: YUSHIRO YAMASHITA Chair: TASUKU MIYAZIMA	<b>Epilepsy•Seizure Disorders 7</b> 9:40-10:40 (O-139 - O-144) Chair: OSAMU KANAZAWA Chair: KITAMI HAYASHI		
11:00	<b>Learning Disabilities</b> 10:50-12:00 (O-116 - O-122) Chair: MASUTOMO MIYAO Chair: EJI WAKAMIYA	<b>Epilepsy•Seizure Disorders 8</b> 10:40-12:00 (O-145 - O-152) Chair: JUN NATSUME Chair: TOSHIYUKI IWASAKI	<b>Acute Encephalitis•Encephalopathy 8</b> 10:40-11:20 (O-175 - O-178) Chair: HIDEO YAMANOUCHI Chair: ATSUSHI IMAMURA	
12:00			<b>Acute Encephalitis•Encephalopathy 9</b> 11:20-12:00 (O-179 - O-182) Chair: KAZUHIKO CHO Chair: KENJI WATANABE	
12:10 - 13:00	<b>Luncheon Seminar 8</b> 12:10 - 13:00 YUKITOSHI TAKAHASHI Chair: HIROKAZU OGUNI	<b>Luncheon Seminar 9</b> 12:10-13:00 KIMFORD J. MEADOR Chair: YOKO OHTSUKA	<b>Luncheon Seminar 10</b> 12:10-13:00 AKIRA OKA Chair: KOUICHI YAMANO	
13:10-13:50	<b>Developmental Disorders 9</b> 13:10-13:50 (O-123 - O-126) Chair: SATOSHI TAKADA Chair: MARIKO YUGE	<b>Muscular Disease 2</b> 13:10-14:10 (O-153 - O-158) Chair: TADAYUKI ISHIHARA Chair: KAYOKO SAITO	<b>Neuroimaging 3</b> 13:10 -14:10 (O-183 - O-188) Chair: MASAFUMI MORIMOTO Chair: SATOKO KUMADA	Poster Session
14:00	<b>Developmental Disorders 10</b> 13:50-14:30 (O-127 - O-130) Chair: HIDEO NAGAO Chair: JIRO ONO	<b>Muscular Disease 3</b> 14:10-15:10 (O-159 - O-164) Chair: NOBUTADA TACHI Chair: YASUHIRO TAKESHIMA	<b>Neuroimaging 4</b> 14:10-15:10 (O-189- O-194) Chair: HITOSHI YAMAMOTO Chair: HIROAKI SHIHHARA	
14:30-15:10	<b>Developmental Disorders 11</b> 14:30-15:10 (O-131 - O-134) Chair: HIROO MATSUDA Chair: KAZUHIRO HAGINOYA			
15:00				
16:00				
17:00				Poster Presentation 16:50-18:25
18:00				
19:00				Poster Removal
20:00	<b>Evening Seminar 3</b> 19:00-21:00 Chair: YOKO OHTSUKA Chair: HIDEO YAMANOUCHI	<b>Evening Seminar 4</b> 19:00-21:00 Chair: SO KANAZAWA	<b>Evening Seminar 5</b> 19:00-21:00 Chair: ATSUKO NEZU Chair: YASUHIKO TAKAHASHI	
21:00				

Saturday May 22, 2010

	Room A 3F Main Hall	Room B 5F 501 International Conference Room	Room C 5F Meeting Rooms 502•503
8:00		<b>Morning Seminar</b> 8:00-9:00 NAOKI ANDO Chair: MITSUE FUJITA	<b>Morning Didactic Seminar 4</b> 8:00-9:00 TOSHIRO HARA Chair: TATSURO IZUMI
9:00			<b>Infection•Autoimmune Disease 5</b> 9:00-9:50 (O-195 - O-199) Chair: MITSUAKI HOSOYA Chair: TOMOHIRO CHIYONOBU
10:00	<b>Symposium 4</b> 9:00-11:00 <b>Meaning and problem of a child development cohort study</b> Chair: HIDEAKI KOIZUMI Chair: ZENTARO YAMAGATA	<b>Symposium 5</b> 9:00-11:00 <b>The clinical and research fronts of acute encephalopathy</b> Chair: TAKASHI ICHIYAMA Chair: JYUN-ICHI TAKANASHI	<b>Infection•Autoimmune Disease 6</b> 9:50-10:30 (O-200 - O-203) Chair: NAOYUKI TANUMA Chair: HIROYUKI TORISU
11:00			<b>Autonomic Nerves2, Headache 2</b> 10:30-11:10 (O-204 - O-207) Chair: NOBUAKI IWASAKI Chair: SYUICHI TSUNEISHI
12:00	<b>Didactic Lecture 4</b> 11:00-12:00 <b>Neurotransmitter disease with childhood onset – Focusing on Segawa disease</b> MASAYA SEGAWA Chair: HARUO SHINTAKU		<b>Electrophysiology 2, Peripheral Nerves 2</b> 11:10-11:50 (O-208 - O-211) Chair: MASAYA KUBOTA Chair: MASAYUKI SHIMONO
	<b>Closing Ceremony</b>		
13:00			
14:00	<b>Public Forum</b> 13:00-15:20 <b>Are developmental disorders increasing now? – Analyses of present status and opinions for the future-</b> Chair: ASAYO ISHIZAKI Chair: TAKEO KUBOTA	<b>Educational seminar2</b> 13:00-15:00 <b>Let's start 5 year-old-check-up: what do we learn from the pioneers?</b> Chair: TAKASHI HAYASHI Chair: TATSUYA KOEDA	<b>The 5th Meeting of the Japanese Society for Children's Myasthenia Gravis</b> 12:30-16:30 Chair: MASATOSHI HAYASHI Chair: MASAHARU HAYASHI Chair: YOSHIKO NOMURA  Special Lecture: MASAYA SEGAWA Special Lecture: YOUSUKE TAKAHAMA
15:00			
16:00			
17:00			

	Room D 4F Meeting Room 411•412	Room E 4F Meeting Room 413•414	Room F 4F Meeting Room 409•410
8:00	<p><b>Morning Didactic Seminar 5</b> 8:00-9:00 HIDETSUNA UTSUNOMIYA Chair: AKIHISA MITSUDOME</p>		
9:00	<p><b>Congenital Anomaly•Chromosomal Abnormality 3</b> 9:00-10:10 (O-212 - O-218) Chair: HIROSHI TAMAI Chair: NAOFUMI KAJII</p>	<p><b>Sleep•Circadian Rhythm</b> 9:00-10:00 (O-230 - O-235) Chair: JUN KOHYAMA Chair: YASUNORI OKA</p>	<p><b>Involuntary Movement•Basal Ganglia 2</b> 9:00-9:30 (O-248 - O-250) Chair: KAZUE KIMURA</p>
10:00			<p><b>PC Movie 1</b> 9:30-10:50 (O-251 - O-258) Chair: TOSHIO HANAI Chair: TATSUYA FUJII</p>
11:00	<p><b>Neonates 2</b> 10:10-11:20 (O-219 - O-225) Chair: TETSUO KUBOTA Chair: MASAHIRO HAYAKAWA</p>	<p><b>Development 2</b> 10:00-11:00 (O-236 - O-241) Chair: RYOUICHI SAKUTA Chair: KATSUO SUGITA</p>	
12:00	<p><b>Morphology•Pathology 2</b> 11:20-12:00 (O-226 - O-229) Chair: AKIRA OKA Chair: MASA HARU HAYASHI</p>	<p><b>Vascular Disease 2, Tumor 2</b> 11:00-12:00 (O-242 - O-247) Chair: SHIGERU OHYA Chair: SEIGO KOREMATSU</p>	<p><b>PC Movie 2</b> 10:50-12:00 (O-259 - O-265) Chair: AKIHISA MITSUDOME Chair: SHUJI WAKAI</p>
13:00			
14:00			
15:00			
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17:00			

## Poster Session: Thursday May 20, 2010

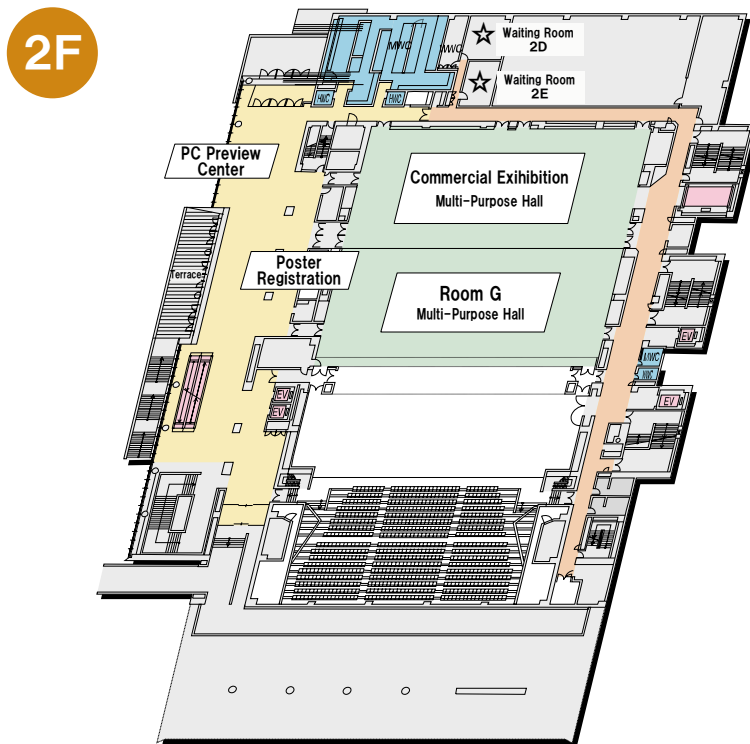
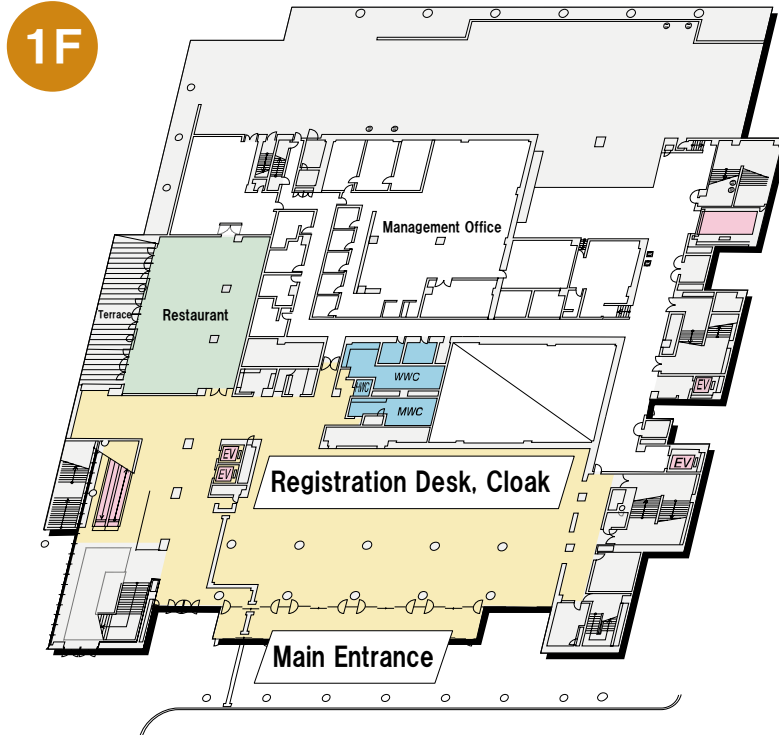
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Poster session								
16:30	<b>Peripheral Nerve 1, Spinal</b> 16:30-16:55 (P-001 - P-005) <Chair> MARIKO MAEZAWA AKIRA TSURU	<b>Cerebral Palsy*Care 1</b> 16:30-17:15 (P-016 - P-024) <Chair> YUKIKATSU OCHIAI MANA KURIHARA	<b>Neuroimaging 1</b> 16:30-17:05 (P-033 - P-039) <Chair> YASUHIKO KAWAKAMI MUNENAKI MATSUO	<b>Metabolic Disease 3</b> 16:30-17:15 (P-053 - P-061) <Chair> NOBUYUKI SHIMOZAWA AKEMI TANAKA	<b>Developmental Disorders 4</b> 16:30-17:00 (P-071 - P-076) <Chair> MASAO AIHARA YOSHINOBU OOTANI	<b>Epilepsy* Seizure Disorders 4</b> 16:30-17:10 (P-091 - P-098) <Chair> HARUMI YOSHINAGA TAKUYA TANABE	<b>Acute Encephalitis* Encephalopathy 4</b> 16:30-17:05 (P-108 - P-114) <Chair> JYUNICHI OKI RYUTARO KIRA	<b>Infection* Autoimmune Disease 1</b> 16:30-17:05 (P-128 - P-134) <Chair> HIROSHI USHIJIMA KEIKO NOMURA
17:00	<b>Muscular Disease 1</b> 16:55-17:45 (P-006 - P-015) <Chair> YUKITOSHI ISHIKAWA SHIGEMI KIMURA	<b>Cerebral Palsy*Care 2</b> 17:15-17:55 (P-025 - P-032) <Chair> EJI KITAZUMI MASARU TATSUNO	<b>Neuroimaging 2</b> 17:05-17:35 (P-040 - P-045) <Chair> ATSUSHI OGAWA HIDEJI HATTORI	<b>Metabolic Disease 4</b> 17:15-18:00 (P-062 - P-070) <Chair> EJI NANBA KATSUNORI FUJII	<b>Developmental Disorders 5</b> 17:00-17:30 (P-077 - P-082) <Chair> HIDEO SHIMOZUMI TOHSHIN GO	<b>Epilepsy* Seizure Disorders 5</b> 17:10-17:55 (P-099 - P-107) <Chair> YUTAKA AWAYA AKIHIKO TATENNO	<b>Acute Encephalitis* Encephalopathy 5</b> 17:05-17:35 (P-115 - P-120) <Chair> KIVOTAKA MURAKAMI KUNIAKI YODA	<b>Infection* Autoimmune Disease2</b> 17:05-17:35 (P-135 - P-140) <Chair> KYOKO ITOH KEIKO SHISHIKURA
17:30			<b>Morphology* Pathology 1</b> 17:35-18:10 (P-046 - P-052) <Chair> TOMOYUKI TAKANO YOSHIAKI SAITO		<b>Developmental Disorders 6</b> 17:30-18:10 (P-083 - P-090) <Chair> TAKASHI HAYASHI TATSUYA OGINO		<b>Acute Encephalitis* Encephalopathy 6</b> 17:35-18:10 (P-121 - P-127) <Chair> HIDEITO YOSHIKAWA MASAHARU OHFU	<b>Involuntary movement* basal ganglia 1</b> 17:35-17:55 (P-141 - P-144) <Chair> ATSUO NEZU
18:00	Poster removal							
18:30								

## Poster Session: Friday May 21, 2010

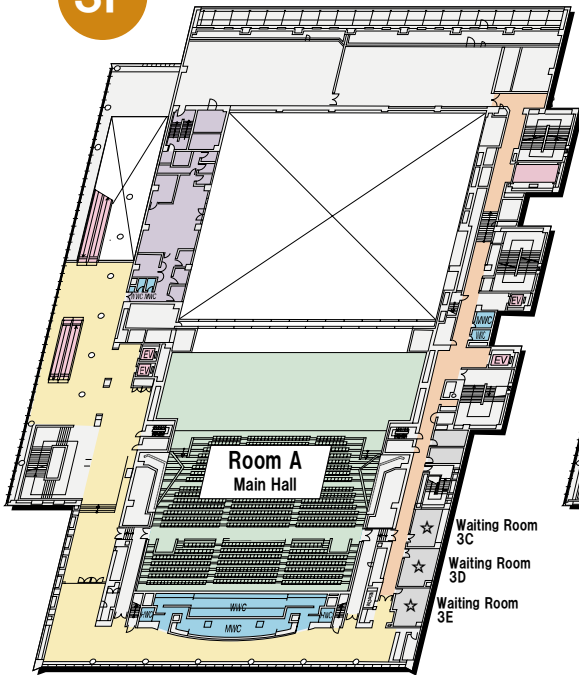
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16:50	<b>Developmental Disorders 12</b> 16:50-17:20 (P-145 - P-150) <Chair> TATSUO MASUYAMA HIDEAKI KANEMURA	<b>Epilepsy* Seizure Disorders 9</b> 16:50-17:30 (P-163 - P-170) <Chair> YUKIHIKO FUJITA KOSABURO ASO	<b>Metabolic Disorders 5</b> 16:50-17:45 (P-179 - P-189) <Chair> KOJI INUI YUKIO SAWAISHI	<b>Acute Encephalitis* Encephalopathy10</b> 16:50-17:35 (P-198 - P-206) <Chair> KIYOTAKA TOMIWA SHINICHI HIRABAYASHI	<b>Infection* Autoimmune Disease 3</b> 16:50-17:35 (P-216 - P-224) <Chair> HIROSHI YOSHIOKA TAKESHI OKINAGA	<b>Congenital Anomaly* Chromosomal Abnormality 1</b> 16:50-17:25 (P-234 - P-240) <Chair> HIROAKI KAKINUMA TOSHIHIKO YANAGAWA	<b>Brain Tumor 1* Neurosurgery</b> 16:50-17:30 (P-253 - P-260) <Chair> YASUYUKI FUTAKI TAKAYUKI INAGAKI	<b>Neonates 1, Development 1</b> 16:50-17:20 (P-268 - P-273) <Chair> MASAKI OHNO FUMIO HAYAKAWA
17:30	<b>Developmental Disorders 13</b> 17:20-17:50 (P-151 - P-156) <Chair> SATOSHI SANADA HITOSHI HARA	<b>Epilepsy* Seizure Disorders 10</b> 17:30-18:10 (P-171 - P-178) <Chair> TORU KONISHI MITSUO TOYOSHIMA	<b>Metabolic Disorders 6</b> 17:45-18:25 (P-190 - P-197) <Chair> HITOSHI SAKURABA ZENICHIRO KATO	<b>Acute Encephalitis* Encephalopathy11</b> 17:35-18:20 (P-207 - P-215) <Chair> NAOYA ITOKAZU CHITOSE SUGIURA	<b>Infection* Autoimmune Disease 4</b> 17:35-18:20 (P-225 - P-233) <Chair> KENJIRO GONDO AYAKO MUTO	<b>Congenital Anomaly* Chromosomal Abnormality 2</b> 17:25-18:05 (P-241 - P-248) <Chair> TAKAHIRO WADA TAKAHIRO NARA	<b>Developmental Disorders 15</b> 17:30-18:05 (P-261 - P-267) <Chair> TAKANORI YAMAGATA TETSUO MATUZAKA	<b>Autonomic Nerves 1* Electrophysiology 1* Headache 1</b> 17:20-17:55 (P-274 - P-280) <Chair> ATSUSHI ARAKI YASUHIRO SUZUKI
18:00	<b>Developmental Disorders 14, Others</b> 17:50-18:20 (P-157 - P-162) <Chair> JYUNICHI FURUSHO ATSUSHI IJIMA					<b>Genetics 3</b> 18:05-18:25 (P-249 - P-252) <Chair> EJI NAKAGAWA KENJI KUROSAWA		
18:30	Poster removal							
19:00								



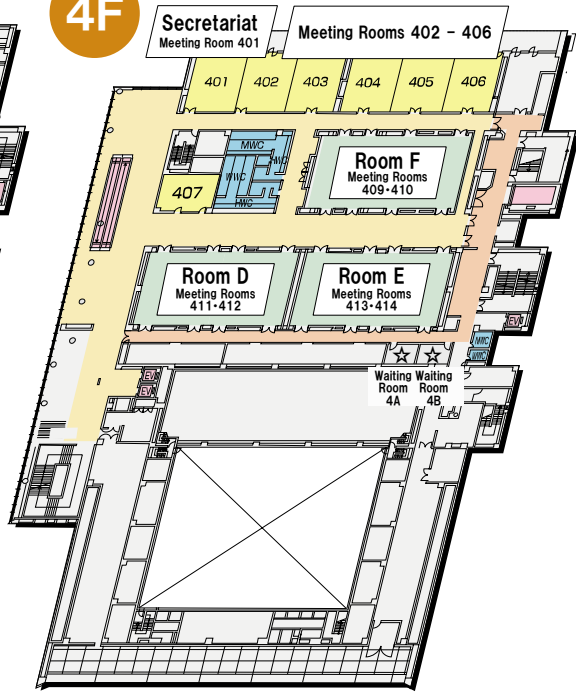
# Fukuoka International Congress Center



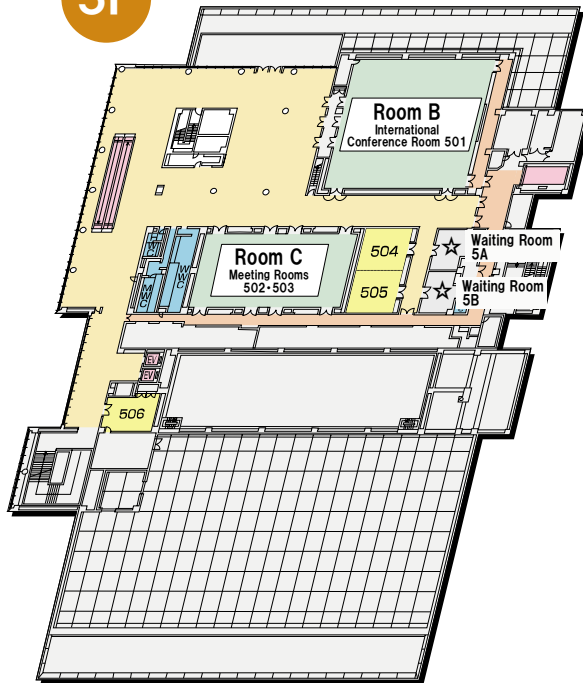
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## **Presidential Lecture**

**Rett syndrome: The state of clinical and basic research after 22 years of experience, and future perspectives**

TOYOJIRO MATSUIISHI\*

Department of Pediatrics and Child Health Kurume University School of Medicine

## **Keynote Lecture**

**What I learned from muscular dystrophy research**

IKUYA NONAKA\*

National Center Hospital of Neurology and Psychiatry

## **Special Lecture 1**

**Physiological functions of ghrelin, a growth hormone releasing and appetite stimulating hormone**

MASAYASU KOJIMA\*

Molecular Genetics, Institute of Life Science, Kurume University

## **Special Lecture 2**

**New Horizons in Neuroprotection of the Newborn: Cooling is just the Beginning**

NICOLA J ROBERTSON\*

Translational Neonatal Medicine, Institute for Women's Health, University College London, UK

## **Special Lecture 3**

**A humanoid model mouse for autism towards the development of child neurology**

TORU TAKUMI\*

Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima

## **Invited Lecture 1 (Segawa Program)**

**Rett Syndrome and MECP2 - Status of Knowledge 10 Years after the Gene**

UTA FRANCKE\*

Departments of Genetics and Pediatrics, Stanford University School of Medicine, Stanford, California, USA

## **Invited Lecture 2**

**Parenting and Sleep in Early Childhood**

AVI SADEH\*

The Adler Center for Research in Child Development and Psychopathology, Department of Psychology, Tel Aviv University, Tel Aviv, Israel

## **Invited Lecture 3**

**The Neurobiological Studies of ADHD -Focus on Brain Imaging and Genetic Studies-**

BUNG-NYUN KIM\*

Division of Child & Adolescent Psychiatry, Department of Psychiatry, Clinical Research Institute, Seoul National University Hospital, College of Medicine, Seoul National University, Seoul, Korea

## **Didactic Lecture 1**

### **Frontline in the Treatment of Dystonias**

TAKAOMI TAIRA\*

Department of Neurosurgery, Tokyo Women's Medical University

## **Didactic Lecture 2**

### **Neurobiological and behavioral consequences of exposure to childhood traumatic stress**

AKEMI TOMODA\*

Department of Child Development, Faculty of Medical and Pharmaceutical Sciences Kumamoto University,  
Kumamoto

## **Didactic Lecture 3**

### **iPS and transgenic non-human primate technologies as a model to study neurological diseases**

HIDEYUKI OKANO\*

Department of Physiology, Keio University School of Medicine, Tokyo

## **Didactic Lecture 4**

### **Neurotransmitter disease with childhood onset – Focusing on Segawa disease-**

MASAYA SEGAWA\*

Segawa Neurological Clinic for Children

## **Symposium 1**

### **In Order to Overcome Perinatal Brain Injury: Across the Borders of Specialities**

#### **Aquaporin water channel from basic science to clinical medicine, roles in brain edema**

MASATO YASUI\*

Department of Pharmacology School of Medicine, Keio University, Tokyo

#### **Gap between MRI and histology: How far and how could it be filled?**

OSUKE IWATA\*

Center for Developmental & Cognitive Neuroscience, Department of Pediatrics & Child Health;

Centre for Perinatal Brain Research, Institute for Women's Health, University College London, UK

#### **Stem cell therapy for CNS diseases: Can it save babies with brain injuries?**

YOSHIKI SATO<sup>\*1</sup>, KEIKO NAKANISHI<sup>2</sup>, ATSUSHIKO OOHIRA<sup>3</sup>, KLAS BLOMGREN<sup>4</sup>,

TETSUO HATTORI<sup>1</sup>, MASAHIRO HAYAKAWA<sup>1</sup>

<sup>1</sup>Maternity & Perinatal Care Center Nagoya University Hospital, Nagoya

<sup>2</sup>Department of Perinatology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Aichi

<sup>3</sup>Research Complex for the Medicine Frontiers, Aichi Medical University, Nagakute, Aichi

<sup>4</sup>Center for Brain Repair and Rehabilitation, Institute of Neuroscience and Physiology, University of Gothenburg,  
Sweden

#### **Perinatal brain damage from obstetrical point of view**

TOMOAKI IKEDA\*

Department of Perinatology, National Cardiovascular Center, Suita

#### **The relationship of perinatal and home care of handicapped children**

HIROSHI OZAWA\*

Department of Pediatrics, Shimada Ryoiku Center

## Symposium 2

### The science of sleep: good sleep is essential for the healthy development of children

#### Molecular Mechanism of sleep-wake regulation

YOSHIHIRO URADE\*

Molecular Behavioral Biology, Osaka Bioscience Institute

#### Physiological basis for sleep and circadian rhythm regulation

KAZUHIKO KUME\*

Institute of Molecular Embryology and Genetics, Kumamoto University, Kumamoto

#### Current status of child sleep - Results of the pilot study and the cohort study

MIZUE IWASAKI\*<sup>1</sup>, TOYOJIRO MATSUISHI<sup>1,2</sup>

<sup>1</sup>Research Institute of Science and Technology for Society, Japan Science and Technology Agency, Tokyo

<sup>2</sup>Department of Pediatrics and Child Health, Kurume University School of Medicine

#### Sleep disorders in children: diagnosis & treatment

NAOHISA UCHIMURA\*

Department of Neuropsychiatry Kurume University School of Medicine

## Symposium 3

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

#### Channelepsy (epilepsy resulting from channel dysfunction): Molecular pathomechanisms and potential clinical applications

SHINICHI HIROSE\*

Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka

#### Advances of Molecular Therapy Research on Dystrophin-deficient Muscular Dystrophy

SHINICHI TAKEDA\*

Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry

#### Frontline of research and intervention on mitochondrial disorders

YASUTOSHI KOGA\*

Department of Pediatrics and Child Health, Kurume University School of Medicine, Kurume

#### Molecular Genetics of Charcot-Marie-Tooth disease - Prospects to the treatment

HIROSHI TAKASHIMA\*

Department of Neurology and Geriatrics, Kagoshima University, Graduate School of Medical and Dental Sciences, Kagoshima

## Symposium 4

### Meaning and problem of a child development cohort study

#### The reason why cohort study is opened

HIDEAKI KOIZUMI\*

Japan Science and Technology Agency

#### What can neuroimaging do for developmental cohort study?

NORIHIRO SADATO\*

National Institute for Physiological Sciences, Okazaki

**Significance of Neurobehavioural Observation revealed in the Japan Children's Study**

KIYOTAKA TOMIWA\*<sup>1,2</sup>

<sup>1</sup>Genetic Counseling and Clinical Research Unit, Graduate School of Medicine, Kyoto University, Kyoto

<sup>2</sup>Osaka Research Group, JST Japan Children's Study, Osaka

**Prediction of future social development of infants by direct observation of their behaviors**

YOICHI SAKAKIHARA\*, YOKO ANJI

Research Center for Human Development and Education, Ochanomizu University

**Developmental Trajectory of Children in the Japan Children's Study**

TATSUYA KOEDA\*<sup>1,2,3</sup>, AYUMI SEKI<sup>1,2,3</sup>, ARIKO TAKEUCHI<sup>2,4</sup>

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

2 Research Institute of Science and Technology for Science, Tokyo

3 National Hospital Organization, Tottori Medical Center, Tottori

4 Watanabe Hospital, Tottori

**Identification of implications for a large scale cohort study on child sociability**

ZENTARO YAMAGATA\*

Department of Health Sciences, Inter disciplinary Graduate School of Medical and Engineering, University of

Yamanashi

## Symposium 5

### The clinical and research fronts of acute encephalopathy

**Latest information on influenza-associated encephalopathy**

MASASHI MIZUGUCHI\*

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

**Clinical and radiological features of acute encephalopathy in Japanese children**

JUN-ICHI TAKANASHI\*

Department of Pediatrics, Kameda Medical Center, Kamogawa

**EEG in children with acute encephalopathy**

AKIHISA OKUMURA\*

Department of Pediatrics, Juntendo University School of Medicine, Tokyo

**Pathophysiology and therapeutic strategy**

TAKASHI ICHIYAMA\*

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

## Workshop 1

### What the psychologist should be in medical field?

**Collaboration between medical-care institution and psychology: Proposal by the Science Council Japan**

TOSHIKAZU HASEGAWA\*

The Department of Life Sciences, Graduate School of Arts and Sciences, University of Tokyo, Tokyo

**Psychologist in Neurology**

HIDENAO FUKUYAMA\*

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

**The role of psychologist in psychiatric care and its issues of national certification**

TADAHIKO SATOH\*

Sakuragaoka Memorial Hospital, Tokyo

## **Workshop 2**

### **Brain death of infants and children**

#### **Introduction**

MASASHI MIZUGUCHI\*

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

#### **Guidelines for the Determination of brain death in children in Japan**

TOSHIAKI ABE\*, YASUKO KUSAKA

Jikei University School of Medicine, Tokyo

#### **EEG of brain death determination in children**

HIDEHARU KARASAWA\*

Department of Neurosurgery, Funabashi Municipal Medical Center, Chiba

#### **Diagnostic manual for the exclusion of abused and/or neglected children from donors in brain death**

FUJIKO YAMADA\*<sup>1,2</sup>

<sup>1</sup>Sangenkai Yamada Clinic, Isehara, Kanagawa

<sup>2</sup>Child Maltreatment Prevention Network, Isehara, Kanagawa

#### **The problems of chronic brain death in history**

TATEO SUGIMOTO\*

SUGIMOTOS BARNKLINIK, Sasayama

## **Morning Didactic Seminar 1**

### **Introduction of practical guideline for specific developmental disorders: Diagnosis and intervention for developmental dyslexia and mathematics disorder**

MASUMI INAGAKI\*

Department of Developmental Disorders, National Institute of Mental Health, National Center of Neurology and Psychiatry, Tokyo

## **Morning Didactic Seminar 2**

### **What clinicians must do for development of therapeutic drugs of rare diseases - Patient database Remudy**

MITSURU KAWAI<sup>1</sup>, HARUMASA NAKAMURA<sup>2</sup>, MADOKA MORI<sup>2</sup>, HIROFUMI KOMAKI<sup>3</sup>,  
KANAKO GOTO<sup>4</sup>, YU MATSUDA<sup>4</sup>, YUKIKO HAYASHI<sup>4</sup>, ICHIZO NISHINO<sup>4</sup>, TSUYOSHI MATSUMURA<sup>5</sup>

<sup>1</sup>Department of Neurology, NHO Higashisaitama National Hospital, Hasuda

<sup>2</sup>Department of Neurology, National Center Hospital of Neurology and Psychiatry, NCNP, Kodaira

<sup>3</sup>Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, NCNP, Kodaira

<sup>4</sup>Department of Neuromuscular Research, National Institute of Neuroscience, NCNP, Kodaira

<sup>5</sup>Department of Neurology, NHO Toneyama National Hospital, Toyonaka

## **Morning Didactic Seminar 3**

### **Collaborative investigation supported by the Japanese Society of Child Neurology**

#### **Retrospective diagnosis and clinical features of congenital cytomegalovirus infection using dried umbilical cords**

MITSUGU UEMATSU\*

Department of Pediatrics, Tohoku University School of Medicine

#### **Molecular genetic analysis of the pathogenesis of acute encephalopathy**

MASASHI MIZUGUCHI<sup>\*1</sup>, SACHIO TAKASHIMA<sup>2,3</sup>, HIDEO YAMANOUCHI<sup>4</sup>,  
MASAYUKI ITOH<sup>5</sup>, MASASHI SHIOMI<sup>6</sup>, MASAYA KUBOTA<sup>7</sup>

<sup>1</sup>Department of Developmental Medical Sciences, Graduate School of Medicine, the University of Tokyo, Tokyo

<sup>2</sup>International University of Health and Welfare

<sup>3</sup>Yanagawa Institute for Development Disabilities

<sup>4</sup>Saitama Medical University, Moroyama

<sup>5</sup>National Institute of Neuroscience, NCNP, Kodaira

<sup>6</sup>Osaka City General Hospital, Osaka

<sup>7</sup>National Center for Child Health and Development, Tokyo

#### **Clinical evidence of medical treatment for status epilepticus in childhood using intravenous injection of phanobarbital**

GEORGE IMATAKA<sup>\*1</sup>, HIDEO YAMANOUCHI<sup>2</sup>

<sup>1</sup>Department of Pediatrics, Dokkyo Medical University, Tochigi

<sup>2</sup>Department of Pediatrics, Saitama Medical University

#### **Towards the diagnosis and therapy of congenital hypomyelinating leukodystrophy**

KEN INOUE<sup>\*1</sup>, HITOSHI OSAKA<sup>2</sup>, KENJI KUROSAWA<sup>2</sup>, JUNICHI TAKANASHI<sup>3</sup>,  
TOSHIYUKI YAMAMOTO<sup>4</sup>, AKIKO IWAKI<sup>5</sup>

<sup>1</sup>Department of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo

<sup>2</sup>Kanagawa Children's Medical Center, Yokohama

<sup>3</sup>Pediatrics, Kameda Medical Center, Kamogawa

<sup>4</sup>IREIIMS, Tokyo Women's Medical University, Tokyo

<sup>5</sup>Medical Institute of Bioregulation, Kyushu Univ. Fukuoka

#### **The present situation of children with severe psycho-motor disabilities and their parents**

HIROSHI OZAWA<sup>\*</sup>

The department of Pediatrics, Shimada Ryoiku Center

## **Morning Didactic Seminar 4**

#### **Latest knowledge of microbiology and immunology necessary for pediatric neurologists**

TOSHIRO HARA<sup>\*</sup>

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

## **Morning Didactic Seminar 5**

#### **Pediatric Neuroradiology: The Art of Neuroimaging**

HIDETSUNA UTSUNOMIYA<sup>\*1,2</sup>

<sup>1</sup>Radiological Sciences, International University of Health and Welfare, Graduate School, Fukuoka

<sup>2</sup>Department of Radiology, Fukuoka Sanno Hospital, Fukuoka

## **Morning Seminar**

#### **Diagnosis and treatment about pediatric migraine**

NAOKI ANDO<sup>\*</sup>

Department of Pediatrics and Neonatology, Nagoya City University, Graduates School of Medical Sciences,  
Nagoya



## **Luncheon Seminar 1**

**Korean ADHD Treatment Experiences Using OROS-MPH and Atomoxetine**

BUNG-NYUN KIM\*

Division of Child & Adolescent Psychiatry, Department of Psychiatry, Clinical Research Institute,  
Seoul National University Hospital, College of Medicine, Seoul National University, Seoul, Korea

## **Luncheon Seminar 2**

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

HIDEMOTO KUBOTA\*

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

## **Luncheon Seminar 3**

**Challenge of pediatric nutritional therapy and the solution**

YOSHIAKI TANAKA\*

Department of Pediatric Surgery, Kurume University School of Medicine, Fukuoka

## **Luncheon Seminar 4**

**Recent management of status epilepticus in children**

KENJI SUGAI\*

Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, Kodaira

## **Luncheon Seminar 5**

**Childhood glycogenoses with muscle symptoms: Diagnosis and treatment**

IKUYA NONAKA\*

National Center Hospital of Neurology and Psychiatry

## **Luncheon Seminar 6**

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

AKIKO ARAKI\*

The Department of Pediatrics, Asahikawa Medical College, Asahikawa

## **Luncheon Seminar 7**

**Botulinum toxin in the management of cerebral palsy**

ATSUO NEZU\*

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

## **Luncheon Seminar 8**

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

YUKITOSHI TAKAHASHI\*

National Epilepsy Center, Shizuoka

## **Luncheon Seminar 9**

### **Neurodevelopmental Effects of Antiepileptic Drugs**

KIMFORD J. MEADOR\*

Professor of Neurology and Director of Epilepsy at Emory University, Atlanta, Georgia, USA

## **Luncheon Seminar 10**

### **Perspective for daily life of children with epilepsy**

AKIRA OKA\*

Department of Pediatrics, Kyorin University, Tokyo

## **Evening Seminar 1**

### **Safe and comfortable life in my hometown for severely disabled children: Short stay and respite stay**

#### **Respite Care for Technology -Dependent Children**

AKIHIKO TAKAHASHI\*

Hibari Clinic, Utsunomiya

#### **The social hospitalization in the children's hospital**

YASUHISA TORIBE<sup>\*1,2</sup>

<sup>1</sup>The Department of Pediatric Neurology, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi

<sup>2</sup>Division of Home Care Support, Osaka Medical Center and Research Institute for Maternal and Child Health, Izumi

#### **Safety net for SMIDs in their home life: In Case of National Hospital Organization**

SHUICHI ISHIDA\*

National Hospital Organization Matsumoto Medical Center Chushinmatsumoto Hospital Department of Pediatrics

#### **Problems with short-term admission in medical centers for persons with developmental/ multiple disabilities**

YUJI IWASAKI\*

Tokyo Metropolitan Tobu Medical Center for Persons with Developmental/ Multiple Disabilities

## **Evening Seminar 2**

### **The 4th Child Sleep Study Group Meeting**

#### **The preparation for polysomnography - a new approach to PSG for children with developmental disorder -**

EMI MURATA<sup>\*1</sup>, KUMI KATO<sup>1,2</sup>

<sup>1</sup>Molecular Research Center for Children's Mental Development Osaka University, Osaka, Japan

<sup>2</sup>Ota Memorial Sleep Center, Kanagawa

#### **The effect of the week-long actigraphic sleep-wake rhythm of infants**

YOKO ASAKA<sup>\*1</sup>, SATOSHI TAKADA<sup>2</sup>

<sup>1</sup>Konan Women's University Faculty of Nursing and Rehabilitation

<sup>2</sup>Kobe University Graduate School of Health Sciences

#### **Child sleep of heart rate variability analysis by complex demodulation method**

NOBORU OHKI\*

NoruPro Light Systems. Inc, Tokyo

#### **A 14-year-old girl suspected of confusional arousal**

NAKA SAITO\*<sup>1</sup>, JUN KOHYAMA<sup>2,3</sup>

<sup>1</sup>Department of Pediatrics, Shonai Hospital

<sup>2</sup>Tokyo Bay Urayasu/Ichikawa Medical center

<sup>3</sup>Tokyo Kita Shakai Hoken Hospital

#### **A case of recurrent hypersomnia**

SHIGEYUKI MATSUZAWA\*, SEIKI TAJIMA, KAZUMI TAKAI, TERUHISA MIIKE

Hyogo Children's Sleep and Development Medical Research Center, Hyogo Prefectural Rehabilitation Center  
Hospital

#### **Establishment of sleep-wakefulness cycle by modulating photic environment and parent-child relationship**

MIYUKI TAKANO\*<sup>1,2</sup>, TAKAKO JODOI<sup>2</sup>, JUNKO KAWATANI<sup>2</sup>, AKEMI TOMODA<sup>2</sup>

<sup>1</sup>Heisei College of Music, Kumamoto

<sup>2</sup>Department of Child Development, Faculty of Medical and Pharmaceutical Sciences, Kumamoto University  
Graduate School

#### **Epidemiological study of pediatric sleep disorders in Japanese children by using Japanese children's sleep questionnaire**

KUMI KATO\*<sup>1,2</sup>, SACHIKO SHIMIZU<sup>3</sup>, YUKO OHNO<sup>3</sup>, IKUKO MOHRI<sup>1,4</sup>, FUJIKO TSUJI<sup>5</sup>,  
SAYURI MATSUMOTO<sup>6</sup>, MASAKO TANIIKE<sup>1,4</sup>

<sup>1</sup>Molecular Research Center for Children's Mental Development, Osaka University Graduate School of Medicine,  
Osaka

<sup>2</sup>Ota Memorial Sleep Center, Kanagawa

<sup>3</sup>Laboratory of Mathematical Health Sciences, Division of Health Sciences, Osaka University Graduate School of  
Medicine, Osaka

<sup>4</sup>Osaka University United Graduate School of Child Development, Osaka

<sup>5</sup>Sakai City Child and Youth Affairs Bureau, Child-raising Support Department, Osaka

<sup>6</sup>Higashi-Osaka City Public Health Center, Osaka

#### **Introduction of the activity of Asia Pacific Pediatric Sleep Alliance (APPSA)**

JUN KOHYAMA\*

Department of Pediatrics, Tokyo Bay Urayasu/Ichikawa Medical Center

## **Evening Seminar 3**

### **Treatment of status epilepticus in children with intravenous phenobarbital injection**

#### **Treatments of intravenous phenobarbital in our hospital**

YUSAKU MIYAMOTO\*, HITOSHI YAMAMOTO

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

#### **Successive treatment by intravenous phenobarbital**

YOSHIAKI WATANABE\*, MASAKO FUKUSHIMA, YOKO OHTSUKA

The Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry and  
Pharmaceutical Sciences, Okayama

#### **Experience of the intravenous phenobarbital therapy in Saitama Medical University**

TETSURO SAKAI\*, HIDEO YAMANOCHI

Department of Pediatrics, Saitama Medical University, Saitama

#### **Efficacy and safety of intravenous phenobarbital for status epilepticus and frequent seizures in children**

KENJIRO KIKUCHI\*, SHIN-ICHIRO HAMANO

Division of Neurology, Saitama Children's Medical Center, Saitama

**Dosage of intravenous phenobarbital for clustered status epilepticus in epilepsy**

KENJI SUGAI\*

Department of Child Neurology, National Center Hospital of Neurology and Psychiatry, Kodaira

**Experience of intravenous injection of phenobarbital and problem of clinical research with multi facilities**

GEORGE IMATAKA\*

The Department of Pediatrics, Dokkyo Medical University

**The role of intravenous Phenobarbital in the treatment guideline of status epilepticus in children**

KITAMI HAYASHI\*

Department of Pediatrics, Tokyo Women's Medical University, Yachiyo Medical Center

## Evening Seminar 4

**New examination for infants using perceptual and cognitive task**

**New examination for infants using perceptual and cognitive task**

SO KANAZAWA\*

Department of Psychology, Japan Women's University, Kanagawa

**The Assessment of the Digital Test in Periodic Infantile Health Examination**

YASUSHI FUJII<sup>\*1,2</sup>, KAORI AMAKATA<sup>2</sup>

<sup>1</sup>Graduate School of Teacher Education, Teikyo University, Tokyo

<sup>2</sup>Department of Pediatrics, Faculty of Medicine, Teikyo University, Tokyo

**Cognitive psychological studies of visual attention for children with developmental disorders**

YUKO HIBI<sup>\*1</sup>, TAKATSUNE KUMADA<sup>2</sup>, SO KANAZAWA<sup>3</sup>, MASAMI YAMAGUCHI<sup>4</sup>, KAORU KONISHI<sup>5</sup>

<sup>1</sup>Department of Humanities and Social Sciences, Shizuoka Eiwa Gakuin University, Shizuoka

<sup>2</sup>National Institute of Advanced Industrial Science and Technology, Tsukuba

<sup>3</sup>Japan Women's University, Kanagawa

<sup>4</sup>Chuo University, Tokyo

<sup>5</sup>General Center for the Mentally, Physically and Auditory Disabled, Sunflower Institution, Saitama

## Evening Seminar 5

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

**Experience of botulinum toxin therapy for spastic diplegia and hemiplegia children**

NAOKO YOSHIDA\*

St. Joseph Medical Center for People with Handicap

**Botulinum toxin-A therapy for spasticity in lower extremities in children with cerebral palsy**

MASAO ADACHI\*

Department of Pediatrics, Kakogawa Municipal Hospital

**Long term effects of botulinum toxin A on pes equinus in children with cerebral palsy**

ATSUO NEZU, HARUHIKO AOYAMA, KUMIKO KARASAWA, HIROKO IWAMOTO, YURI CHIKUMARU,

KAORI KANEKO, MAKIKO KUROSAWA, TAKIKO MATSUO

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

**Botulinum Toxin A Therapy for Lower Extremity Spasticity in Children with Cerebral Palsy**

YASUHIKO TAKAHASHI\*

Pediatrics, Kyushu Kouseinenkin Hospital, Kitakyushu

## Comments

MEGUMU TOJO\*

Department of Pediatrics, Niigata Prefecture Hamagumi Medical Rehabilitation Center for Handicapped Children

## 2010 JSCN Award for Asia Young Investigator

**Comparison of Sequential Organ Failure Assessment Score and Pediatric Multiple Organ Dysfunction Score (MODS) in the Prediction of ICU Outcome**

NAVIN MISHRA\*

Department of Pediatrics, KIST Medical College, Nepal

## Asian Oceanian Child Neurology International Didactic Program

**The Compliance of Drug Treatment Program and the Probability of Achieving Remission in Childhood Onset Epilepsy**

RIZALDY PINZON\*

Neurology Department, Bethesda Hospital, Yogyakarta, Indonesia

## Educational Seminar 2

**Let's start 5 year-old-check-up: what do we learn from the pioneers?**

**5 year-old-check-up in Shimonoseki city - Practice by general pediatricians-**

YOJI KANEHARA\*

Kanehara Children's Clinic

**5 year-old-check-up model project in Shimabara city: Bridging from preschool to school.**

TETSUO MATSUZAKA\*

Department of Pediatrics, Nagasaki Prefectural Medical and Welfare Center for Handicapped Children, Isahaya, Nagasaki

**5 year-old-check-up model project in Kyoto: Support program for 5-year-old children by Kyoto Cyutan-nishi Health Center**

MARIKO YUGE\*

Kyoto Cyutan-higashi Health Center

## Public Forum

**Are developmental disorders increasing now? – Analyses of present status and opinions for the future-**

**Present status and cause of increase of children with developmental disorders: Results of medical survey and opinions based on this study**

ASAYO ISHIZAKI\*

Ouji Clinic, Tokyo

**Results of non-medical survey on increase of children with developmental disorders**

EIJI YUKUMI\*

Japan League on Developmental Disabilities, Faculty of Education and Integrated Arts and Sciences, Waseda University

**Comments on status of increase of children with developmental disorders in Kurume region**

RYOICHI MATSUMOTO\*

Kurume Special Education School (Kurume Yougo Gakkou)

**Cause of increase – from the standpoint of genetics (epigenetics)-**

TAKEO KUBOTA\*

Yamanashi University

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

MASAO AIHARA\*

Department of Health Science and Community, Faculty of Medicine, University of Yamanashi, Yamanashi

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

KENJI ISHIZUKA\*

Special Education Investigator, MEXT Japan

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

**Special Lecture 1**

MASAYA SEGAWA\*

Segawa Neurological Clinic for Children

**Special Lecture 2**

YOSUKE TAKAHAMA\*

Institute for Genome Research, The University of Tokushima

## **Developmental Disorders 1 (Early Diagnosis)**

### **O-001 Developmental course of patients with Asperger syndrome followed objectively from infancy**

MIEKO YOSHIOKA\*, MASAKO NAGATO

Department of Pediatric Neurology, Kobe City Pediatric and General Rehabilitation Center for the Challenged,  
Kobe

### **O-002 Clinical Symptoms of Children under two with HFPDD**

KEIKO KOTERAZAWA<sup>\*1</sup>, YUKA OKADA<sup>1</sup>, KANAKO NAKAKO<sup>2</sup>, HIYOYOSHI MIYATA<sup>1</sup>

<sup>1</sup> Himeji City Center for the Handicapped, Himeji

<sup>2</sup> Rokko Island Hospital, Kobe

### **O-003 Screening of developmental disorders in 3years old -The study of checklist in nursery school-**

YOSHIMI TSUDA<sup>\*1</sup>, TOSHIAKI HASHIMOTO<sup>2</sup>, MITUE TAKAHARA<sup>1</sup>

<sup>1</sup> Naruto University of Education

<sup>2</sup> Tokushima Red Cross Hinomine Rehabilitation Center

### **O-004 Genetic heterogeneity between ADHD symptoms in PDD and ADHD: a sibling study**

SHINICHI HIRABAYASHI\*, SATORU HIRANO, NOBORU FUEKI

Division of Neurology, Nagano Children's Hospital, Azumino, Nagano

### **O-005 Parental age and birth order in autism spectrum disorders**

YOKO SUGIE<sup>\*1</sup>, HIDEO SUGIE<sup>2</sup>, JUNKO OSAWA<sup>1</sup>, TOKIKO FUKUDA<sup>2</sup>, TERUHIKO SUZUKI<sup>1</sup>,  
MASATAKA ITO<sup>3</sup>, TAKEHIKO OHZEKI<sup>1</sup>

<sup>1</sup> Department of Pediatrics, Hamamatsu University School of Medicine, Shizuoka

<sup>2</sup> Department of Pediatrics, Jichi Medical University, Tochigi

<sup>3</sup> Aoba Children's Clinic

## **Developmental Disorders 2 (Differential Diagnosis & Comorbid Disorders)**

### **O-006 Proposal of new syndrome: Autistic disorder with marfanoid habitus**

TOMOHIRO NAKAYAMA\*, NAOKO NAKAYAMA, SACHIKO KANEMATSU, HIROSHI MARUYAMA  
Matsudo Clinic, Chiba

### **O-007 Three cases of dentatorubral-pallidolusian atrophy (DRPLA)**

SHINICHIRO TAKIGUCHI\*, MARI KUWAJIMA, HIDEO SHIMOIZUMI

Nasu Institute of Developmental Disabilities, Tochigi

### **O-008 Comorbidity of the high function PDD patients at the National Center for Child Health and Development**

KEIICHI FUNAHASHI\*, TAKAYUKI NAOI, MASUTOMO MIYAO, MAKIKO OKUYAMA

National Center for Child Health and Development, Tokyo

### **O-009 Effects of OROS methylphenidate in patients with PDD associated with AD/HD symptoms**

TOSHIAKI HASHIMOTO\*, SEISHI SHIMAKAWA, ETSUO NAITO, SHIGEKO SATOMURA

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## **Developmental Disorders 3 (Basic Research)**

### **O-010 Proton magnetic resonance spectroscopy of the autistic brain**

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**O-011 The investigation of plasma ghrelin concentration in Rett syndrome**

MUNETSUGU HARA<sup>\*1</sup>, JUNKO YOH<sup>2</sup>, YOSHIHIRO NISHI<sup>2</sup>, YUSHIRO YAMASHITA<sup>1</sup>,  
EIICHIRO TANAKA<sup>2</sup>, MASAYASU KOJIMA<sup>3</sup>, TOYOJIRO MATSUI<sup>1</sup>

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**O-012 Cognitive abilities in Kabuki syndrome: Another example of dorsal stream vulnerability?**

MIHO NAKAMURA<sup>\*1</sup>, YUKAKO MURAMATSU<sup>2</sup>, HIROKAZU KURAHASHI<sup>2</sup>, SEIJI MIZUNO<sup>2</sup>

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**O-013 Human visual cognitive function in Asperger's disorder by examining exploratory eye movements**

CHIYOMI EGAMI<sup>\*1</sup>, KIICHIRO MORITA<sup>2</sup>, YOUHEI ISHII<sup>2</sup>, TAKASHI OHYA<sup>3</sup>, YUSHIRO YAMASHITA<sup>3</sup>,  
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**O-014 Eye-tracking study in emotion recognition of pervasive developmental disorder children**

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## **Epilepsy • Seizure Disorders 1 (Epidemiology & Cognitive Function)**

**O-015 Seizures of children in Yachiyo city, Japan**

YOKO MORIYAMA<sup>\*</sup>, KITAMI HAYASHI, AYAKO MUTO, SHIHO YAMAMOTO, NOZOMI TSUCHIYA,  
EMIYU SUZUKI, SYOKO TOKUTAKE, TAKUYA MATSUI

Tokyo Women's Medical University Yachiyo Medical Center, Chiba

**O-016 Mortality in Dravet syndrome -Search for risk factors in Japanese-**

MASAKO SAKAUCHI<sup>\*1</sup>, HIROKAZU OGUNI<sup>1</sup>, MAKIKO OSAWA<sup>1</sup>, SHINICHI HIROSE<sup>2</sup>,  
SUNAO KANEKO<sup>3</sup>, RUMIKO TAKAYAMA<sup>4</sup>, YUKITOSHI TAKAHASHI<sup>4</sup>, TATEKI FUJIWARA<sup>4</sup>,  
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**O-017 The cognitive characteristic of the cryptogenic localization-related epilepsy**

MITSURU KASHIWAGI<sup>\*1</sup>, TAKUYA TANABE<sup>1</sup>, MIWA SHIMAKAWA<sup>2</sup>, MIWA NAKAJIMA<sup>1</sup>, MIHO FUKUI<sup>2</sup>,  
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**O-018 Cognitive function of idiopathic epilepsy**

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TOSHIO MIYAWAKI

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**O-019 Assessment on behavioral problems in children with epilepsy**

FUMIKA ENDOH<sup>\*1</sup>, MAKIO OKA<sup>1</sup>, AKIHITO TAKEUCHI<sup>1</sup>, KIYOKO WATANABE<sup>1</sup>, TATSUYA OGINO<sup>2</sup>,  
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## **Epilepsy • Seizure Disorders 2 (West Syndrome)**

**O-020 Etiology of West syndrome with severe developmental delay**

JUN TOHYAMA<sup>\*1,2</sup>, TSUKASA OHASHI<sup>1</sup>, YU KOBAYASHI<sup>1</sup>, NORIYUKI AKASAKA<sup>1</sup>

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**O-021 Infantile spasms in two cases with Williams syndrome**

SOUICHI MUKAIDA<sup>\*1</sup>, KATSUMI IMAI<sup>1</sup>, KEIKO SHIMOJIMA<sup>2</sup>, TOSHIYUKI YAMAMOTO<sup>2</sup>,  
MARIKO IKEGAMI<sup>1</sup>, HIROKO IKEDA<sup>1</sup>, RUMIKO TAKAYAMA<sup>1</sup>, YUKIKO MOGAMI<sup>1</sup>,  
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<sup>2</sup> International Research and Educational Institute for Integrated Medical Sciences, Tokyo

**O-022 A boy with sporadic West syndrome caused by the second polyalanine expansion of the ARX gene**

KAZUYUKI NAKAMURA<sup>\*</sup>, MITSUHIRO KATO, KIYOSHI HAYASAKA

The Department of Pediatrics, Yamagata University Faculty of Medicine, Yamagata

**O-023 A case of Ohtahara syndrome with STXBP1 mutation showed good response to VitB6 & ACTH therapy**

KENJI ORII<sup>\*1</sup>, MITSUHIRO KATO<sup>2</sup>, MICHINORI FUNATO<sup>1</sup>, HIDENORI OHNISHI<sup>1</sup>,  
TAKAHIDE TERAMOTO<sup>1</sup>, ZENICHIRO KOTO<sup>1</sup>, TOSHIYUKI FUKAO<sup>1</sup>, NAOMI KONDO<sup>1</sup>

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**O-024 ACTH therapy for two cases of Epileptic Spasms without Hypsarrhythmia**

MASAHIRO ISHII<sup>\*1</sup>, MASAYUKI SHIMONO<sup>1</sup>, AYAKO SENJYU<sup>1</sup>, NAOKI SHIOTA<sup>2</sup>

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**O-025 Clinical Efficacy and Safety of shortened ACTH Therapy for Infantile Spasms**

KEITARO YAMADA\*, YASUHISA TORIBE, KEIKO YANGIHARA, TOSHIYUKI MANO,  
YASUHIRO SUZUKI

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Osaka

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

**O-026 Atypical benign partial epilepsy of childhood: a clinical and electroencephalographic analysis**

AKIKO FUJII\*, HIROKAZU OGUNI, YOSHIKO HIRANO, MAKIKO OSAWA

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

**O-027 Retrospective analysis of antiepileptic drugs effective for children with Panayiotopoulos syndrome**

YOSHIKO HIRANO\*, HIROKAZU OGUNI, MAKIKO OSAWA

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

**O-028 A study of Panayiotopoulos syndrome with developmental disabilities**

HISASHI KAWAWAKI<sup>\*1</sup>, SHIN OKAZAKI<sup>1</sup>, ICHIRO KUKI<sup>1</sup>, MEGUMI NUKUI<sup>1</sup>, TAKESHI INOUE<sup>1</sup>,  
KIYOTAKA TOMIWA<sup>1</sup>, MASASHI SHIOMI<sup>2</sup>

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**O-029 A clinical study of 12 patients with idiopathic childhood occipital epilepsy of Gastaut**

HIROYUKI WAKAMOTO<sup>\*1</sup>, MITSUMASA FUKUDA<sup>2</sup>, TAKAHIRO MOTOKI<sup>3</sup>, MITSUHIRO OHMORI<sup>3</sup>,  
SHOHEI WATANABE<sup>4</sup>, TAKEHIKO MORIMOTO<sup>1</sup>, HIDEO NAGAO<sup>5</sup>

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**O-030 Dense-Array EEG for the Tuberos Sclerosis Complex with Epileptic Seizure and Intraventricle Tumor**

AYATAKA FUJIMOTO\*, TAKAMICHI YAMAMOTO, HIDEO ENOKI, TOHRU OKANISHI,  
TAKUYA YOKOTA, TOMOHIRO YAMAZOE

Seirei Hamamatsu General Hospital, Comprehensive Epilepsy Center, Hamamatsu, Shizuoka

**O-031 Etiology and clinical course of early myoclonic encephalopathy**

SAYURI SUKIGARA<sup>\*1</sup>, KENJI SUGAI<sup>1</sup>, HIROSHI SAKUMA<sup>1</sup>, HIROHUMI KOMAKI<sup>1</sup>, YOSHIAKI SAITO<sup>1</sup>,  
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**O-032 Efficacy of lamotrigin in children with intractable epilepsy**

SHIN OKAZAKI<sup>\*1</sup>, ICHIROU KUKI<sup>1</sup>, MUGUMI NUKUI<sup>1</sup>, TAKESHI INOUE<sup>1</sup>, YOSHIHIRO TAKESHITA<sup>1</sup>,  
HISASHI KAWAWAKI<sup>1</sup>, KIYOKO AMOU<sup>2</sup>, MASAO TOGAWA<sup>2</sup>, MASASHI SHIOMI<sup>3</sup>,  
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**O-033 Correlation between the prefrontal lobe growth and seizure duration in frontal lobe epilepsy**

HIDEAKI KANEMURA<sup>\*1</sup>, SONOKO HATA<sup>1</sup>, KAZUO HATAKEYAMA<sup>1</sup>, KANJI SUGITA<sup>1</sup>, MASAO AIHARA<sup>2</sup>

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**O-034 Diffusion-weighted image abnormalities after prolonged febrile seizure and progression in epilepsy**

SETSURI YOKOI<sup>\*1</sup>, TAKESHI TSUJI<sup>2</sup>, TOMOHIKO NAKATA<sup>1</sup>, TETSUO KUBOTA<sup>3</sup>,  
KOUICHI MARUYAMA<sup>4</sup>, SEIKO ITOMI<sup>5</sup>, AYAKO SOFUE<sup>6</sup>, MITSU HARU KAJITA<sup>7</sup>, AKIHISA OKUMURA<sup>8</sup>,  
JUN NATSUME<sup>1</sup>, TAMIKO NEGORO<sup>1</sup>, KAZUYOSHI WATANABE<sup>9</sup>

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## **Acute Encephalitis·Encephalopathy 1 (Classification, Epidemiology, Clinical Aspect)**

**O-035 The ABC-Classification of Acute Encephalopathy in Childhood**

FUMIO HAYAKAWA<sup>\*1</sup>, TAKESHI TSUJI<sup>1</sup>, TORU KATO<sup>1</sup>, JUNICHI TAKANASHI<sup>2</sup>, AKIHISA OKUMURA<sup>3</sup>

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**O-036 The diagnostic approach of status epilepticus in children with fever and unconsciousness part2**

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**O-037 Nonconvulsive seizures in children with suspected acute encephalopathy**

AZUSA MARUYAMA<sup>\*1</sup>, TAKU NAKAGAWA<sup>2</sup>, KYOKO FUJITA<sup>1</sup>, YOUSUKE SAJI<sup>2</sup>, HIROAKI NAGASE<sup>1</sup>

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**O-038 Clinical features of encephalitis/encephalopathy under 6 month old**

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AKIHISA OKUMURA<sup>3</sup>, SATORU KOBAYASHI<sup>4</sup>, NAOKI ANDO<sup>4</sup>, TAKESHI TSUJI<sup>5</sup>, TORU KATO<sup>5</sup>,  
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**O-039 The prognostic factors in acute HHV-6 encephalopathy with biphasic clinical course**

KENJIRO KIKICHI<sup>\*1,2</sup>, SHIN-ICHIRO HAMANO<sup>1</sup>, REIKO KOICHIHARA<sup>1</sup>, TOMOTAKA ORITSU<sup>1,2</sup>,  
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**O-040 The clinical pathogenesis of acute encephalopathy / Reye like syndrome and its risk factors**

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**O-041 The efficacy of monitoring EEG in emergency room**

TAKESHI INOUE<sup>\*1</sup>, SHIN OKAZAKI<sup>1</sup>, TAEKA HATTORI<sup>1</sup>, KAI YAMAZAKI<sup>1</sup>,  
KYOUSUKE HIRANO<sup>1</sup>, MEGUMI NUKUI<sup>1</sup>, ICHIRO KUKI<sup>1</sup>, HISASHI KAWAWAKI<sup>1</sup>, YUKO IWAMI<sup>2</sup>,  
KIYOKO AMOU<sup>2</sup>, MASAO TOGAWA<sup>2</sup>, HIROSHI RINKA<sup>3</sup>, MASASHI SHIOMI<sup>4</sup>, KIYOTAKA TOMIWA<sup>5</sup>

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

**O-042 National Survey of child ADEM and MS in Japan: the results of the first research**

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SHINICHIRO HAMANO<sup>2</sup>, MASASHI MIZUGUCHI<sup>2</sup>, AKIRA OKA<sup>2</sup>, YOSHIHIRO MAEGAKI<sup>2</sup>,  
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**O-043 National survey of child ADEM and MS: clinical features**

HIROYUKI TORISU<sup>\*1,2</sup>, KEIKO ISHIGAKI<sup>2</sup>, KIMIO MINAGAWA<sup>2</sup>, MASAYA KUBOTA<sup>2</sup>, HIROSHI TAMAI<sup>2</sup>,  
SHINICHI HIRABAYASHI<sup>2</sup>, HIDEO AIBA<sup>2</sup>, TAKASHI ICHIJAMA<sup>2</sup>, JUN NATSUME<sup>2</sup>,  
SHINICHIRO HAMANO<sup>2</sup>, MASASHI MIZUGUCHI<sup>2</sup>, AKIRA OKA<sup>2</sup>, YOSHIHIRO MAEGAKI<sup>2</sup>,  
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**O-044 Two cases of Fulminant Encephalopathy with marked brain Edema and bilateral Thalamic lesion (FEET)**

NAOKI ANDO<sup>\*1</sup>, SATORU KOBAYASHI<sup>1</sup>, YOKO NAKASHIMA<sup>1</sup>, TETSUYA ITO<sup>1</sup>, HAJIME TOGARI<sup>1</sup>,  
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**O-045 Two cases of acute encephalopathy associated with anti-GAD antibody**

HIROFUMI KASHII\*, SAYAKA OKUMURA, AKIKO KOYAMA, HIDEKI HOSHINO, MASAYA KUBOTA  
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**O-046 A female case with HHV 6 encephalitis**

MAKOTO NABETANI\*, MASAHISA FUNATO, HIROSHI WADA  
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**O-047 A case of non-herpetic acute limbic encephalitis associated with influenza A infection**

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## **Acute Encephalitis·Encephalopathy 3 (Biomarkers)**

**O-048 CSF cytokine and chemokine profiles in patients with virus-associated encephalopathy**

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YUSUKE SUGANAMI, MASANOBU USHIO, HISASHI KAWASHIMA, TASUKU MIYAJIMA,  
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**O-049 The CSF biomarkers in mild encephalopolitis/encephalopathy with reversible splenial lesion (MERS)**

RIE MIYATA<sup>\*1</sup>, NAOYUKI TANUMA<sup>2</sup>, TAKUJI IMAMURA<sup>3</sup>, HIROHUMI KASHII<sup>4</sup>, AKIHISA OKUMURA<sup>5</sup>,  
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**O-050 Urinary beta2-microglobulin associates the neurological prognosis of child acute encephalopathy**

HIROYUKI TORISU<sup>\*1,9</sup>, KENJIRO GONDO<sup>2,9</sup>, KITAMI HAYASHI<sup>3,9</sup>, SHINICHI HIRABAYASHI<sup>4,9</sup>,  
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**O-051 CSF glutamate concentration in AESD**

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**O-052 Dynamic change of cytokine profile in a case of Hemorrhagic shock and encephalopathy**

KAI YAMASAKI<sup>\*1</sup>, SHIN OKAZAKI<sup>1</sup>, MEGUMI NUKUI<sup>1</sup>, TAKESHI INOUE<sup>1</sup>, ICHIRO KUKI<sup>1</sup>, HISASHI KAWAWAKI<sup>1</sup>, KIYOKO AMOU<sup>2</sup>, MASAO TOGAWA<sup>2</sup>, MASASHI SHIOMI<sup>3</sup>, KIYOTAKA TOMIWA<sup>4</sup>

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**O-053 CPT II genotyping in Japanese patients with acute encephalopathy**

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<sup>6</sup> Hitachi General Hospital

<sup>7</sup> Gunma Children's Medical Center

<sup>8</sup> Tokyo Medical University

**O-054 A 12-years-old girl with anti-NMDAR Antibody-mediated Encephalopathy just after a big earthquake**

HIROMI KOIZUMI<sup>\*1</sup>, YUKITOSHI TAKAHASHI<sup>2</sup>

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## Genetics 1

**O-055 Clinical manifestations of haploinsufficiency of Down syndrome critical region**

TOSHIYUKI YAMAMOTO<sup>\*1</sup>, KEIKO SHIMOJIMA<sup>1</sup>, MASAHIRO ITO<sup>2</sup>, KATSUMI IMAI<sup>3</sup>

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**O-056 TULIP1 (RALGAP1) haploinsufficiency with brain development delay**

KEIKO SHIMOJIMA<sup>\*1</sup>, JUN TOHYAMA<sup>2</sup>, MAYU OHTSU<sup>3</sup>, EIJI NAKAGAWA<sup>4</sup>, YUICHI GOTO<sup>4</sup>,  
KOUSAKU OHNO<sup>5</sup>, HIROKAZU OGUNI<sup>6</sup>, MAKIKO OSAWA<sup>6</sup>, TOSHIYUKI YAMAMOTO<sup>1</sup>

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<sup>6</sup> Department of Pediatrics, Tokyo Women's Medical University, Tokyo

**O-057 Submicroscopic chromosomal imbalances are important differential diagnosis of Prader-Willi syndrome**

SHINJI SAITOH<sup>\*</sup>, YUMI TAKAHASHI, YUKI UEDA, TOMOSHIRO ITO, HIDEAKI SHIRAIISHI

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**O-058 Genomic imprinting associated with cell-type-specific chromatin decondensation**

TATSUYA KISHINO<sup>\*</sup>

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**O-059 A Japanese case of IFAP syndrome with MBTPS2 mutation**

JUNKO NAKAYAMA<sup>\*1</sup>, NOBUAKI IWASAKI<sup>1</sup>, KENJI SHIN<sup>1</sup>, HIDEO SATO<sup>1</sup>, TADAO ARINAMI<sup>2</sup>

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<sup>2</sup> Graduate School of Comprehensive Human Sciences, University of Tsukuba, Ibaraki

## Genetics 2

**O-060 Novel NKX2.1 mutations in two patients with brain-lung-thyroid syndrome**

MITSUGU UEMATSU<sup>\*1</sup>, KAZUHIRO HAGINOYA<sup>2</sup>, ATSUO KIKUCHI<sup>1</sup>, MIEKO HIROSE<sup>1</sup>,  
TOMOKO KOBAYASHI<sup>1</sup>, NAOMI HINO-FUKUYO<sup>1</sup>, YOUSUKE KAKISAKA<sup>1</sup>, YURIKA NUMATA<sup>1</sup>,  
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**O-061 Novel FOXP1 mutations in two Japanese cases with the congenital variant of Rett syndrome**

SATORU TAKAHASHI<sup>\*</sup>, AKIRA SASAKI, JUNKO OHINATA, AKIKO ARAKI, KENJI FUJIEDA

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**O-062 Upper Limb Functions of Children with Spinal Muscular Atrophy type 1: a questionnaire study**

SHINYA SAKAI<sup>\*1</sup>, NAOKO SAKAI<sup>2</sup>, AKIRA SUDO<sup>3</sup>, MITSUHIRO KATO<sup>4</sup>, SHINJI SAITOH<sup>5</sup>

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**O-063 The significance of the survey of fragile X syndrome in Japan**

KAORI ADACHI<sup>\*1,2</sup>, YUJI FUJII<sup>2</sup>, KOUSAKU OHNO<sup>2</sup>, EIJI NANBA<sup>1</sup>

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**O-064 Towards the diagnosis and therapy of congenital hypomyelinating leukodystrophy**

KEN INOUE\*<sup>1</sup>, HITOSHI OSAKA<sup>2</sup>, KENJI KUROSAWA<sup>2</sup>, JUNICHI TAKANASHI<sup>3</sup>,  
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**O-065 Genetic counseling for 46,XX,t(13;13)**

NOBUSUKE KIMURA\*, TOMOKO MIYAJIMA, TOMOHIRO KUMADA, NOZOMI ODA,  
HIDEKI SHIMOMURA, KEIKO SAITOU, TATSUYA FUJII

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## **Metabolic Disorders 1 (Lysosome, Metal)**

**O-066 Accumulation of Ubiquitinated protein in the neuronal cell from the model mouse of GM1-gangliosidosis**

EIJI NANBA\*, KATUMI HIGAKI

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**O-067 Efficacy of HSCT on central nervous system in MPS II patients (multicenter survey)**

AKEMI TANAKA\*<sup>1,2</sup>, NORIO SAKAI<sup>2</sup>, TORAYUKI OKUYAMA<sup>2</sup>, YASUYUKI SUZUKI<sup>2</sup>, TOMO SAWADA<sup>2</sup>,  
TOYA OHASHI<sup>2</sup>, TOSHIHIRO OHURA<sup>2</sup>, HIDEO MUGISHIMA<sup>2</sup>, TOJU TANAKA<sup>2</sup>, TAKANOBU OTOMO<sup>2</sup>

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**O-068 Effect of a new enzyme produced in yeast to the peripheral nervous system and kidneys of Fabry mice**

KANAKO SUGAWARA\*<sup>1</sup>, HITOSHI SAKURABA<sup>1,2</sup>

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**O-069 Nation wide survey for neurologic and hepato-neurologic type of Wilson disease in Japan**

NORIKAZU SHIMIZU\*, MISAKO INOUE, AYAKO OGAWA, TSUGUTOSHI AOKI

Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center, Tokyo

**O-070 Prognosis of severe dystonia in Neurological form of Wilson disease; two cases report**

KAORU HIRAI\*, HIROAKI NAKAMURA, YUKO ODA, KOICHI MIZUGUCHI, NORIKAZU SHIMIZU,  
TSUGUTOSHI AOKI, TAKASHI SEKINE

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## **Metabolic Disorders 2 (Mitochondrial Disease)**

**O-071 Carrier detection of 32 families with mutations in E1 alpha subunit gene of pyruvate dehydrogenase**

ETSUO NAITO\*<sup>1</sup>, SEISHI SHIMAKAWA<sup>1</sup>, TOSHIKI HASHIMOTO<sup>1</sup>, YUMIKO KOTANI<sup>2</sup>, SHOJI KAGAMI<sup>2</sup>

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**O-072 Clinical and pathological studies on 2 cases of MELAS**

YUKIFUMI MONDEN\*, MASAKO MORI, TAKANORI YAMAGATA, MASAKO NAGASHIMA,  
TOKIKO FUKUDA, HIDEO SUGIE, MARIKO MOMOI  
Department of Pediatrics, Jichi Medical University, Tochigi

**O-073 PET, P-MRS and oxidative stress marker analysis in a patient with GULT1-deficiency syndrome**

YURI KITAMURA\*<sup>1</sup>, AKIHISA OKUMURA<sup>1</sup>, MITSURU IKENO<sup>1</sup>, SHINPEI ABE<sup>1</sup>, MASAKO SAITO<sup>1</sup>,  
JUN NATSUME<sup>2</sup>, NAOYUKI TANUMA<sup>3</sup>, MASAHARU HAYASHI<sup>3</sup>, KEIKO YANAGIHARA<sup>4</sup>,  
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**O-074 A case of CDG1a diagnosed with liver dysfunction and facial dysmorphism**

KOJI ORII\*<sup>1,3</sup>, NOBUHIKO OKAMOTO<sup>2</sup>, NAOKI MATSUO<sup>1</sup>, REIKO ITO<sup>1</sup>, ATSUSHI IMAMURA<sup>1</sup>

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## Cerebral Palsy •Care 3 (Types)

**O-075 Peculiar involuntary movement in premature infant**

HARUMI YOSHINAGA\*, FUMIKA ENDOH, YUMIKO ISHIZAKI, TAKUSHI INOUE, YOKO OHTSUKA  
Department of Child Neurology, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical  
Science, Okayama

**O-076 Clinical features and complications of athetotic cerebral palsy born as VLBW**

SATORI HIRAI\*, MASAHIRO KITAI, HIROSI ARAI  
Morinomiya Hospital, Osaka

**O-077 Porencephaly is associated with spastic diplegia, hemiplegia and triplegia**

KAZUHIRO HAGINOYA\*<sup>1</sup>, YURIKA NUMATA<sup>1,2</sup>, IKUKO SATO<sup>1</sup>, KEISUKE WAKUSAWA<sup>1</sup>,  
SOICHIRO TANAKA<sup>1</sup>, AKIRA ONUMA<sup>1</sup>

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**O-078 Dysphasia in athetotic cerebral palsy caused by bilateral basal ganglia and thalamic lesion**

YUKIHIRO KITAI\*, HIROSHI ARAI, SATORI HIRAI  
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**O-079 Brain MRI and clinical analyses on spastic diplegia with term birth**

YURIKA NUMATA<sup>\*1</sup>, IKUKO SATO<sup>1,2</sup>, KAZUHIRO HAGINOYA<sup>2</sup>, SOUICHIROU TANAKA<sup>2</sup>,  
AKIRA ONUMA<sup>2</sup>, YASUKO KOBAYASHI<sup>3</sup>, MITSUGU UEMATSU<sup>1</sup>, SHIGERU TSUCHIYA<sup>1</sup>

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**O-080 Investigation about ability of hopping on one leg in children with cerebral palsy**

YURIKO YAMORI<sup>\*1,2</sup>, NAOKO YOSHIDA<sup>1</sup>, TOYOKO KANDA<sup>1</sup>, HARUYO HIROTA<sup>1</sup>, MIKA IWAMI<sup>1</sup>,  
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<sup>2</sup> Department of Pediatrics, Kyototakeda Hospital, Kyoto

**O-081 Questionnaire survey of children on home medical care in Osaka prefecture**

TETSUZO TAGAWA<sup>\*1,2</sup>, MASAHISA FUNATO<sup>2</sup>, TOSHISABUROU NAGAI<sup>2</sup>, HISASHI KAWAWAKI<sup>2</sup>,  
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**O-082 Institutionalized children with severe disabilities referred from the pediatric department**

MICHIKO INOUE<sup>\*</sup>, ATSUE ARIMURA, HIDETSUGU MIZUUCHI

The Department of Pediatrics, Minami-Okayama Medical Center

**O-083 Medical care at the elementary and junior high schools in city of Toyonaka**

TARO MATSUOKA<sup>\*1,2</sup>, TOMOKAZU KIMIZU<sup>1</sup>, KOUJI TSUCHIYA<sup>1</sup>

<sup>1</sup> The Department of Pediatrics, Toyonaka Municipal Hospital, Toyonaka, Osaka

<sup>2</sup> The Conference for Children Who Need Medical Care in School Life, Toyonaka Board of Education

## **Cerebral Palsy •Care 4, Psychiatric & Behavioral Disorders**

**O-084 The treatment options of Dumping Syndrome: a common problems after Gastrostomy**

SEIJI WATANABE<sup>\*1</sup>, YUKARI ENDO<sup>1</sup>, YOSHINORI OKUMURA<sup>1</sup>, KEIKO HIRANO<sup>1</sup>, HIDEO AIBA<sup>1</sup>,  
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**O-085 Clinical analysis of neurologically impaired children who underwent laryngotracheal separation**

YUKO TAKAO<sup>\*</sup>, MIWAKO NAGASAKA, YURI MIYABE, YOU OKIDUKA, NAOKI HASHIMOTO,  
MASAMITSU NISHINO

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**O-086 A eight-year-old female of hydrocephalus treated successfully by intrathecal baclofen therapy**

TOSHIHIDE WATANABE<sup>\*1</sup>, REIKI OYANAGI<sup>1</sup>, KIMIO MINAGAWA<sup>1</sup>, AKIKO TSUZUKI<sup>2</sup>,  
TOMOKO YAMADA<sup>2</sup>, SATOKO OCHI<sup>3</sup>

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**O-087 Effect of hydrochlorothiazide on urolithiasis and bone metabolism in severely disabled individuals**

CHIZURU IKEDA\*, YOSHIKI SAITO, HIROSHI SAKUMA, HIROFUMI KOMAKI, EIJI NAKAGAWA,  
KENJI SUGAI, MASAYUKI SASAKI

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**O-088 The IPV was effective for the acute breathing disorder of the severe people experiencing disability**

RYUJI KAGEYAMA\*<sup>1</sup>, SHINICHI MAGARA<sup>1</sup>, SAWAKO YAMAZAKI<sup>1,2</sup>, MIWA YAMATANI<sup>1,3</sup>,  
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**O-089 Energy expenditure using dilution method in children with severe motor and intellectual disabilities**

NOBUAKI IWASAKI\*, JYUNKO NAKAYAMA, HIDEYO KINUGASA, KENJI SHIN, HIDEO SATOH

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**O-090 Child Abuse Cases Involving Acute Drug Intoxication**

ERI KAWATANI\*<sup>1</sup>, NAOMI MORISHIMA<sup>1</sup>, GORO SHIROTANI<sup>2</sup>, YUKO TOMONOU<sup>1</sup>, YUKIKO IHARA<sup>1</sup>,  
HITOMI HAYASHI<sup>2</sup>, NORIKO NAKAMURA<sup>3</sup>, TAKAHITO INOUE<sup>1</sup>, SAWA YASUMOTO<sup>1</sup>,  
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**O-091 Clinical study of social anxiety disorder at outpatient clinic of pediatric neurology**

JUNICHI FURUSHO\*<sup>1</sup>, TETSUJI KUBAGAWA<sup>2</sup>

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**O-092 A cohort study of child chronic fatigue syndrome: analysis of Trail making Test**

JUNKO KAWATANI\*<sup>1</sup>, TAKAKO JOUDO<sup>1</sup>, KEI MIZUNO<sup>2</sup>, MIYUKI TAKANO<sup>3</sup>, AKEMI TOMODA<sup>1</sup>,  
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<sup>3</sup> Heisei College of Music

<sup>4</sup> Hyogo Rehabilitation Center

## English Session 1

**O-093 Pediatric Neurotransmitter Disease (PND) national survey**

HARUO SHINTAKU\*<sup>1,2</sup>, MASAYA SGAWA<sup>2</sup>, MITSUHIRO KATO<sup>2</sup>, SHINJI SAITOH<sup>2</sup>,  
SHIN-ICHIRO HAMANO<sup>2</sup>, MASAYA KUBOTA<sup>2</sup>, JUN TOHYAMA<sup>2</sup>, JUN NATSUME<sup>2</sup>, HIDEJI HATTORI<sup>2</sup>,  
YOSHIHIRO MAEGAKI<sup>2</sup>, TOYOJIRO MATSUSHI<sup>2</sup>, SHUHEI IDE<sup>2</sup>, HIROKI FUJIOKA<sup>2</sup>,  
YOSHIKO NOMURA<sup>2</sup>, YASUSHI ITOH<sup>2</sup>

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**O-094 Congenital generalized lipodystrophy with muscular dystrophy caused by novel PTRF mutation**

ERY KUS DWIANINGSIH<sup>\*1</sup>, YASUHIRO TAKESHIMA<sup>1</sup>, RUSDY GHAZALI MALUEKA<sup>1</sup>,  
HIROYUKI AWANO<sup>1</sup>, MARIKO YAGI<sup>1</sup>, KYOKO ITOH<sup>2</sup>, MASAFUMI MATSUO<sup>1</sup>

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University of Medicine, Kyoto

**O-095 Novel pathomechanism for Fukuyama-type congenital muscular dystrophy**

MARIKO TANIGUCHI<sup>\*</sup>, TATSUSHI TODA

Department of Neurology / Molecular Brain Science, Kobe University Graduate School of Medicine, Kobe, Hyogo

**O-096 Function analysis of novel candidate gene BTBD9, associated with Restless Legs Syndrome, in KO mice**

KAZUHIRO MURAMATSU<sup>\*</sup>, NORIKO SAWAURA, YOKO URANO, HIROKAZU ARAKAWA

Department of Pediatrics, Gunma University Graduate School of Medicine, Gunma

**O-097 Neuronal network dysfunction in a mouse model of angelman syndrome**

KIYOSI EGAWA<sup>\*1</sup>, SHINJI SAITOH<sup>2</sup>, TATSUYA KISHINO<sup>3</sup>, ATSUO FUKUDA<sup>1</sup>

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<sup>3</sup> Nagasaki University Center for Frontier Life Sciences Division of Functional Genomics, Nagasaki

**O-098 PCDH19 mutations and their phenotypes in Japanese females with suspected SCN1A-related epilepsy**

NORIMICHI HIGURASHI<sup>\*1</sup>, MASAKO SAKAUCHI<sup>2</sup>, HIDEAKI SHIRAISHI<sup>3</sup>, AKIE MIYAMOTO<sup>4</sup>,  
KAZUYA ITOMI<sup>5</sup>, TAKEO KATO<sup>6</sup>, SHINICHI HIROSE<sup>1</sup>

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## English Session 2

**O-099 Diffusion tensor imaging in cryptogenic West syndrome: SPM analysis**

JUN NATSUME<sup>\*1</sup>, TATSUYA FUKASAWA<sup>1</sup>, TOMOHIKO NAKATA<sup>1</sup>, SETSURI YOKOI<sup>1</sup>,  
NAOKO ISHIHARA<sup>1</sup>, YOSHITERU AZUMA<sup>1</sup>, AKIHISA OKUMURA<sup>2</sup>, TAMIKO NEGORO<sup>1</sup>,  
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**O-100 Study on defining intractability of partial epilepsy**

KENJI SUGAI<sup>\*</sup>, EIJU NAKAGAWA, HIROSHI SAKUMA, HIROFUMI KOMAKI, YOSHIKI SAITO,  
MASAYUKI SASAKI

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**O-101 Contribution of interictal high-frequency oscillations to seizure outcome after epilepsy surgery**

TOMOYUKI AKIYAMA<sup>\*</sup>, AYAKO OCHI, HIROSHI OTSUBO

Division of Neurology, The Hospital for Sick Children

**O-102 Clinical features of acute encephalopathy in children with underlying disorders**

AKIHISA OKUMURA<sup>\*1</sup>, TETSUO KUBOTA<sup>2</sup>, HIROYUKI KIDOKORO<sup>2</sup>, TAKESHI TSUJI<sup>3</sup>,  
FUMIO HAYAKAWA<sup>3</sup>, KOICHI MARUYAMA<sup>4</sup>, MOTOMASA SUZUKI<sup>4</sup>, KAZUYA ITOMI<sup>5</sup>,  
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**O-103 Therapeutic Hypothermia for Child Acute Encephalopathy**

GO KAWANO<sup>\*1</sup>, OSUKE IWATA<sup>2</sup>, SACHIKO IWATA<sup>2</sup>, KEIKO KAWANO<sup>2</sup>, ICHIRO KUKI<sup>3</sup>,  
HIROSHI RINKA<sup>4</sup>, MASASHI SHIOMI<sup>5</sup>, HIDEO YAMANOUCHI<sup>6</sup>, HIROTO AKAIKE<sup>7</sup>,  
MITSUGU UEMATSU<sup>8</sup>, SHINICHI HIRABAYASHI<sup>9</sup>, SATORU HIRANO<sup>9</sup>, ATSUO KIKUCHI<sup>8</sup>,  
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**O-104 Increased permeability of BBB and immunological mechanisms in epilepsy after acute encephalitis**

YUKITOSHI TAKAHASHI<sup>\*1,2</sup>, MEILIA M. SURIADI<sup>1</sup>, YUKO KUBOTA<sup>1</sup>, JYUN MINE<sup>1</sup>,  
ETSUKO YAMAZAKI<sup>1</sup>, RUMIKO TAKAYAMA<sup>1</sup>, MARIKO IKEGAMI<sup>1</sup>, SOUITI MUKAIDA<sup>1</sup>,  
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## **Developmental Disorders 7 (Physiology • Neuroimaging)**

**O-105 Neurophysiological aspect of AD/HD**

MASAHITO MIYAZAKI<sup>\*1,2</sup>, YOSHIHIRO TOHDA<sup>2</sup>, KENJI MORI<sup>2</sup>, SHOJI KAGAMI<sup>2</sup>

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**O-106 The effect of MPH on emotional reward/punishment prediction in children with AD/HD**

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HITOSHI SIMOYAMA<sup>1</sup>, DAI YAMASHIRO<sup>1</sup>, YUUSUKE GOTOU<sup>1</sup>, TOMOKO TANDOU<sup>1</sup>,  
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**O-107 EEG study in autism**

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**O-108 Developmental change of face recognition in early infancy**

YUKIHIKO KONISHI<sup>\*</sup>, KENSUKE OKUBO, SONOKO IJICHI, TOMOKO NISHIDA, TADASHI IMAI,  
KENICHI ISOBE, SUSUMU ITOU

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**O-109 Altered hemodynamic response in frontal cortex of AD/HD children with depressive/anxiety symptoms**

YUKI INOUE<sup>\*1</sup>, KOTOE SAKIHARA<sup>1</sup>, HIROSHI OZAWA<sup>2</sup>, SATOSHI KIMIYA<sup>2</sup>, HARUO SHINODA<sup>3</sup>,  
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## **Developmental Disorders 8 (Motor & Cognitive Function)**

**O-110 The Development of the Japanese version of the Motor Observation Questionnaire for Teachers**

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<sup>3</sup> Center for Human Movement Sciences, University Medical Center Groningen, University of Groningen,  
The Netherlands

**O-111 Cross-Cultural Adaptation and Psychometric properties of the Japanese version of DCDQ**

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**O-112 Effects of developmental disorders on changes in demand of pediatric rehabilitation**

TOMOKO TANDO<sup>\*1</sup>, KAKURO AOYAGI<sup>1</sup>, KAZUO HATAKEYAMA<sup>1</sup>, HIDEAKI KANEMURA<sup>2</sup>,  
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**O-113 Evaluation of effectiveness of sensory integration to ADHD by two dimensional analysis**

TAKASHI HAYASHI<sup>\*1,2</sup>, KUMIKO KIDO<sup>1</sup>, MASUMI INAGAKI<sup>2</sup>

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Psychiatry

**O-114 Quantitative assessment of balance functions by tri-axial accelerometers in preschool-aged children**

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**O-115 Developmental change of verbal short-term memory and working memory in children with AD/HD or PDD**

AKIHITO TAKEUCHI<sup>1</sup>, TERUKO MOROOKA<sup>1</sup>, MAKIO OKA<sup>1</sup>, KAORU HANAFUSA<sup>1</sup>, TATSUYA OGINO<sup>2</sup>,  
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## **Learning Disabilities**

**O-116 A new task evaluating the skill to read Japanese phonogram (Hiragana) for preschool children -1-**

KAORU HANAFUSA<sup>1</sup>, TERUKO MOROOKA<sup>1</sup>, AKIHITO TAKEUCHI<sup>1</sup>, MAKIO OKA<sup>1</sup>, TATSUYA OGINO<sup>2</sup>,  
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**O-117 A new task evaluating the skill to read Japanese phonogram (Hiragana) for preschool children -2-**

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**O-118 Development of word list for oral reading test -Analysis of children with developmental dyslexia-**

TOMOHITO OKUMURA<sup>1</sup>, YAYOI KITAMURA<sup>2</sup>, MAKOTO NAKANISHI<sup>1,3</sup>, NAOKO KURIMOTO<sup>1</sup>,  
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**O-119 Method of evaluating achievement of child's Japanese language in pediatric clinic**

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**O-120 The comparison between reading and writing ability in children with reading and writing disabilities**

EIJI WAKAMIYA<sup>1</sup>, TOMOHITO OKUMURA<sup>2</sup>, TAKASHI TAKESHITA<sup>2</sup>, MEKUMI MIZUTA<sup>2</sup>,  
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**O-121 Relation between magnocellular function and reading abilities in developmental dyslexia**

HIROKO YAMAZAKI<sup>\*1,2</sup>, YOSUKE KITA<sup>1,3,4</sup>, KIYOMI YATABE<sup>1</sup>, TOMOKA KOBAYASHI<sup>1</sup>,  
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**O-122 A Training Method of Writing Kanji for a Child with Visual Information Processing Impairment**

MEKUMI MIZUTA<sup>\*1</sup>, TOMOHITO OKUMURA<sup>1</sup>, NAOKO KURIMOTO<sup>1</sup>, TAKASHI TAKESHITA<sup>1</sup>,  
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## **Developmental Disorders 9 (Support & Intervention)**

**O-123 Study of treatment for obesity in children with developmental disorders**

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**O-124 Parent Training for autistic children**

HIROYUKI YOKOYAMA<sup>\*1</sup>, CHIEKO NARA<sup>2</sup>, MIEKO HIROSE<sup>2</sup>, KEISUKE WAKUSAWA<sup>3</sup>,  
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**O-125 The autistic spectrum child's mother questionnaire survey**

KEIKO MAEDA<sup>\*</sup>

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**O-126 Changes on preschool children with autistic spectrum disorder after stopping TV-watching**

ATSUSHI IESHIMA<sup>\*</sup>, HIDEKI HORITA

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## **Developmental Disorders 10 (Special Needs Education)**

**O-127 Behavioral value between protectors and teachers after the medication of methylphenidate in AD/HDs**

NAOMITSU SUZUKI<sup>\*</sup>

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**O-128 History of the special support class's students at health check-ups and follow-up**

SHIMA YAMAGUCHI<sup>\*</sup>, SATOSHI TAKADA

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**O-129 Importance of early detection and treatment of children with ADHD by school visit**

TETSUJI KUBAGAWA<sup>\*1</sup>, JUNICHI FURUSHO<sup>2</sup>, HIROSHI MARUYAMA<sup>3</sup>

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**O-130 The problems of special educations for children with developmental disorders**

NOZOMI HOSODA<sup>\*</sup>, HISAO MIURA, KAZUYO SAITOU

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## **Developmental Disorders 11 (Support for Severely Handicapped)**

**O-131 The requirements for regional hospitals to support severely handicapped children cared in the NICU**

TOMOHIKO HASEGAWA<sup>\*</sup>, MICHIAKI NAGURA, EIKO TAKADA, HISANORI SOBAJIMA,  
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**O-132 On the survey about the acceptance of emergent hospitalization of severely handicapped children**

MICHIAKI NAGURA<sup>\*</sup>, TOMOHIKO HASEGAWA, EIKO TAKADA, HISANORI SOBAJIMA,  
MASANORI TAMURA

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**O-133 The cause of death in children and persons with severe motor and intellectual disabilities**

KUNIAKI FUKUDA<sup>\*1</sup>, TOMOKO KIRINO<sup>2</sup>, YUMI FUJIWARA<sup>2</sup>, SIGEHIRO NAGAI<sup>2</sup>, MIYUKI USHIDA<sup>2,3</sup>,  
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**O-134 Music therapy for a child with acute encephalopathy**

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## **Epilepsy•Seizure Disorders 6 (Basic Research)**

**O-135 Peripheral lymphocyte subset and serum cytokine profiles of patients with West syndrome: 3rd report**

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**O-136 Keisikasyakuyaku-to suppresses hyperthermia-induced seizures in developing rats**

HITOMI HINO<sup>\*1,2</sup>, MITSUMASA FUKUDA<sup>1</sup>, YUKA SUZUKI<sup>1</sup>, TAKEHIKO MORIMOTO<sup>1,3</sup>

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**O-137 A splice site variant in SCN1A gene contributes to susceptibility to febrile seizures in Japanese**

YOSHITO ISHIZAKI<sup>\*</sup>, RYUTARO KIRA, HIROYUKI TORISU, MASAFUMI SANEFUJI, YUI YAMAGUCHI,  
TOSHIRO HARA

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**O-138 Effectiveness of LVT, STP and CLB in SMEI model mice with Hyperthermia-induced seizure**

HIDEYUKI OHTANI<sup>\*1</sup>, IKUO OGIWARA<sup>2</sup>, YUKITOSHI TAKAHASHI<sup>1</sup>, KAZUHIRO YAMAKAWA<sup>2</sup>,  
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## **Epilepsy • Seizure Disorders 7 (Treatment 1)**

**O-139 Timing of clinical trials of new anti-epileptic drugs for children**

KEIKO YANAGIHARA<sup>\*1,2</sup>, SHINNYA HIRANO<sup>1</sup>, KEITAROU YAMADA<sup>2</sup>, YASUHISA TORIBE<sup>2</sup>,  
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**O-140 The efficacy of new antiepileptic drugs for epilepsy of severe motor and intellectual disabilities**

SHINNICHI MAGARA<sup>\*1</sup>, RYUJI KAGEYAMA<sup>1</sup>, SAWAKO YAMAZAKI<sup>1,2</sup>, MIWA YAMATANI<sup>1</sup>,  
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**O-141 Topiramate use cases for the intractable epilepsy patients: How to use topiramate**

MITSUHIRO MATSUO<sup>\*</sup>, TETSUO MATSUZAKA

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**O-142 The long term efficacy of topiramate for childhood onset intractable epilepsy**

YASUHISA TORIBE<sup>\*</sup>, KEITAROU YAMADA, KEIKO YANAGIHARA, TOSHIYUKI MANO,  
YASUHIRO SUZUKI

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**O-143 Metabolic acidosis induced by Topiramate and Zonisamide**

NAOKO ISHIHARA<sup>\*1</sup>, JUN NATSUME<sup>1</sup>, SETSURI YOKOI<sup>1</sup>, TOMOHIKO NAKATA<sup>1</sup>,  
TATSUYA FUKAZAWA<sup>1</sup>, TAMIKO NEGORO<sup>1</sup>, KAZUYOSHI WATANABE<sup>1,2</sup>

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**O-144 Urolithiasis associated with zonisamide or topiramate therapy in nonambulatory children**

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## Epilepsy•Seizure Disorders 8 (Treatment 2)

### **O-145 Lamotrigine therapy for refractory epilepsy**

KURIKO SHIMONO<sup>\*1</sup>, TAE IKEDA<sup>2</sup>, YUSUKE HAMADA<sup>2</sup>, YOSHIKO IWATANI<sup>2</sup>, KOJI TOMINAGA<sup>3</sup>,  
TAKESHI OKINAGA<sup>2</sup>, TOSHISABURO NAGAI<sup>4</sup>, MASAKO TANIKE<sup>1,3</sup>, KEIICHI OZONO<sup>2</sup>

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Mental Development

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### **O-146 Long term clinical effects of lamotrigine (LTG) for patients with intractable epilepsy**

KIYOKO WATANABE<sup>\*</sup>, YOSHIKI WATANABE, KATSUHIRO KOBAYASHI, HARUMI YOSHINAGA,  
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Pharmaceutical Science, Okayama

### **O-147 The effectiveness of Lamotrigine to the intractable epilepsy including myoclonic astatic epilepsy**

TOMOYUKI ISHII<sup>\*1</sup>, TAKANORI YAMAGATA<sup>1</sup>, TOKIKO FUKUDA<sup>1</sup>, MASATO MORI<sup>1</sup>, HIDEO SUGIE<sup>1</sup>,  
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### **O-148 The efficacy of potassium bromide in patients with intractable epilepsy**

KEIKO SAITO<sup>\*</sup>, TOMOHIRO KUMADA, TOMOKO MIYAJIMA, NOBUSUKE KIMURA, NOZOMI ODA,  
HIDEKI SHIMOMURA, TATSUYA FUJII

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### **O-149 3 seriously handicapped children who developed Fanconi syndrome during valproic acid administration**

YOSHINORI IBA<sup>\*</sup>, HIDEHIKO YANAGIDA, TSUKASA TAKEMURA

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### **O-150 Mechanisms of increased serum urate levels in epileptic children treated with valproate**

TAKAMASA KISHI<sup>\*</sup>

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### **O-151 Quantitative analysis of valproyl-carnitine in long-term VPA treated severe handicapped patients**

YOKO NAKAJIMA<sup>\*1</sup>, SATORU KOBAYASHI<sup>1</sup>, NAOKI ANDO<sup>1</sup>, TETSUYA ITO<sup>1</sup>, NARUJI SUGIYAMA<sup>2</sup>,  
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### **O-152 Effects of carbamazepine on hyponatremia**

HUMIKAZU SANO<sup>\*1</sup>, HIDEAKI KANEMURA<sup>1</sup>, KANJI SUGITA<sup>1</sup>, MASAO AIHARA<sup>2</sup>

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## Muscular Disease 2 (Duchenne Muscular Dystrophy)

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

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### O-154 Skipping efficiency is different in DMD patient-derived cell cultures carrying different mutations

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

SHIGEMI KIMURA\*<sup>1,2</sup>, SHIRO OZASA<sup>1</sup>, KEIKO NOMURA<sup>1</sup>, HIROHUMI KOSUGE<sup>1</sup>, ISAO FUJII<sup>2</sup>,  
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### O-156 MRI and neuropsychological studies in children and adults with Duchenne muscular dystrophy

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

TOMOKO MIZUNO\*<sup>1</sup>, HIROFUMI KOMAKI<sup>1</sup>, HIROSHI SAKUMA<sup>1</sup>, YOSHIKI SAITO<sup>1</sup>,  
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### O-158 Corticosteroid treatment of Duchenne type muscular dystrophy

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## Muscular Disease 3

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

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### O-160 Seizures in Fukuyama type congenital muscular dystrophy

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**O-161 The clinical picture, histopathology, and genetic analysis of limb-girdle muscular dystrophy type 2L**

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**O-162 A case of endplate acetylcholinesterase deficiency improved symptomatically by ephedrine**

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ERI NAKAHARA<sup>2</sup>, TOSHIAKI SHIMIZU<sup>2</sup>, TOMOHIKO NAKATA<sup>1</sup>, JUN NATSUME<sup>1</sup>, YOSHIKO NOMURA<sup>3</sup>,  
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**O-163 Comparison of utility between muscle CT and MRI in patients with childhood-onset Pompe disease**

KEIKO ISHIGAKI<sup>\*1</sup>, IKUYA NONAKA<sup>2</sup>, TERUMI MURAKAMI<sup>1</sup>, TAKATOSHI SATO<sup>1</sup>, SACHIKO ONAI<sup>1</sup>,  
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**O-164 Approach to the pathology of myopathic glycogen storage diseases by metabolomic analysis of muscles**

TOKIKO FUKUDA<sup>\*1</sup>, HIDEO SUGIE<sup>1</sup>, YOKO SUGIE<sup>2</sup>, MARIKO MOMOI<sup>1</sup>

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## **Acute Encephalitis • Encephalopathy 7 (MRI • SPECT)**

**O-165 Acute encephalopathy with transient callosal lesions with white matter lesions**

TOMOYA TAKEUCHI<sup>\*1</sup>, TAKESHI TSUJI<sup>2</sup>, TORU KATO<sup>2</sup>, FUMIO HAYAKAWA<sup>2</sup>, JUN NATSUME<sup>1</sup>

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**O-166 MRI findings of Acute Encephalopathy Associated with Congenital Adrenal Hyperplasia: 3 cases report**

SOOYOUNG LEE<sup>\*1</sup>, MASAFUMI SANEFUJI<sup>1</sup>, YUI YAMAGUCHI<sup>1</sup>, YOSHITO ISHIZAKI<sup>1</sup>,  
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**O-167 Diffusion-weighted imaging abnormalities in cerebellum: Report of 6 cases**

TETSUO KUBOTA<sup>\*1</sup>, HIROYUKI YAMAMOTO<sup>1</sup>, TATSUYA FUKASAWA<sup>1</sup>, SATORU KOBAYASHI<sup>2</sup>,  
NAOKI ANDO<sup>2</sup>, TAKESHI TSUJI<sup>3</sup>, TORU KATO<sup>3</sup>, FUMIO HAYAKAWA<sup>3</sup>, MARI YASUDA<sup>4,5</sup>,  
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**O-168 Clinical and Radiological Features of Rotavirus Cerebellitis**

HIROKO TADA<sup>\*1,2</sup>, JUN-ICHI TAKANASHI<sup>2</sup>, NAOKI ANDOH<sup>3</sup>, TAKESHI MIYAMOTO<sup>4</sup>,  
TETSUO KUBOTA<sup>5</sup>, MOMOKO OKA<sup>6</sup>, ZENICHIRO KATO<sup>7</sup>, SHINICHIRO HAMANO<sup>8</sup>,  
SHINICHI HIRABAYASHI<sup>9</sup>, MASAHIRO KIKUCHI<sup>10</sup>, HIDEKI HOSHINO<sup>11</sup>, MASAKO YOSHIDA<sup>12</sup>

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<sup>12</sup> Department of Radiology, Kyoto City Hospital, Kyoto

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

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**O-170 A case with MERS presenting atypical coarse**

REIKO KOICHIHARA<sup>\*1</sup>, SHINICHIRO HAMANO<sup>1</sup>, MANABU TANAKA<sup>1</sup>, KENJIRO KIKUCHI<sup>1</sup>,  
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**O-171 A case of the Salmonella encephalopathy with characteristic findings of brain MRI**

YUSUKE AOKI<sup>\*1</sup>, TAKAHIDE TERAMOTO<sup>2</sup>, HIDENORI OHNISHI<sup>2</sup>, KAZUO KUBOTA<sup>2</sup>,  
KENJI ORII<sup>2</sup>, ZENICHIRO KATO<sup>2</sup>, TOSHIYUKI FUKAO<sup>2</sup>, NAOMI KONDO<sup>2</sup>

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**O-172 Efficacy of SPECT in acute encephalitis**

MEGUMI NUKUI<sup>\*1</sup>, HISASHI KAWAWAKI<sup>1</sup>, ICHIRO KUKI<sup>1</sup>, TAEKA HATTORI<sup>1</sup>, TAKESHI INOUE<sup>1</sup>, SHIN OKAZAKI<sup>1</sup>, KIYOKO AMO<sup>2</sup>, MASAO TOGAWA<sup>2</sup>, MASAHI SHIOMI<sup>3</sup>, KIYOTAKA TOMIWA<sup>4</sup>

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**O-173 Brain MRI and SPECT findings in childhood acute cerebellitis**

MANABU TANAKA<sup>\*1</sup>, SHIN-ICHIRO HAMANO<sup>1</sup>, TOMOTAKA ORITSU<sup>1</sup>, REIKO KOICHIHARA<sup>1</sup>, KENJIRO KIKUCHI<sup>1</sup>, MOTOYUKI MINAMITANI<sup>2</sup>

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**O-174 Three patients of non-herpetic limbic encephalitis with insula abnormality on ECD-SPECT**

TOSHIHIKO SUZUKI<sup>\*1</sup>, JUN NATSUME<sup>1</sup>, SETSURI YOKOI<sup>1</sup>, TOMOHIKO NAKATA<sup>1</sup>, NAOKO ISHIHARA<sup>1</sup>, TAMIKO NEGORO<sup>1</sup>, KAZUYOSHI WATANABE<sup>2</sup>, MASA HARU HAYASHI<sup>3</sup>

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## **Acute Encephalitis • Encephalopathy 8 (H1N1)**

**O-175 Effectiveness of EEG on differential diagnosis in novel influenza (H1N1) with neurological symptom**

YURI MIYABE<sup>\*</sup>, YUKO TAKAO, MIWAKO NAGASAKA, TOMOKO LEE, YOU OKIZUKA, NAOKI HASHIMOTO, MASAMITSU NISHINO  
Takatsuki General Hospital, Osaka

**O-176 Clinical consideration of novel influenza A (H1N1) associated encephalopathy**

YOSHIHIRO WATANABE<sup>\*</sup>, RIE ANZAI, YUU TSUYUSAI, MEGUMI TSUJI, KIYOKO SAMESHIMA, TAKAHITO WADA, MIZUE IAI, SUMIMASA YAMASHITA, HITOSHI OSAKA  
Division of Neurology, Kanagawa Children's Medical Center, Yokohama

**O-177 Clinical features of Swine Flu associated encephalopathy**

AKIHISA OKUMURA<sup>\*1</sup>, TAKESHI TSUJI<sup>2</sup>, TETSUO KUBOTA<sup>3</sup>, SHINTARO YAMASHITA<sup>4</sup>, TOMOKO HIRAIWA<sup>5</sup>, SHIN-ICHI NIJIMA<sup>4</sup>, TOSHIKI SHIMIZU<sup>1</sup>

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**O-178 2009H1N1-associated Encephalopathy with a Reversible Lesion of the Entire Corpus Callosum**

AYAKO SENJU<sup>\*1</sup>, MASAYUKI SHIMONO<sup>1</sup>, MASAHIRO ISHII<sup>1</sup>, NAOKI SHIOTA<sup>2</sup>

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## Acute Encephalitis • Encephalopathy 9 (Treatment • Prognosis)

### **O-179 Hypothermia/normothermia with general anesthesia therapy for febrile refractory status epilepticus**

TAKU NAKAGAWA<sup>\*1</sup>, HIROAKI NAGASE<sup>2</sup>, AZUSA MARUYAMA<sup>2</sup>, YOHSUKE SAJI<sup>1</sup>, KYOKO FUJITA<sup>2</sup>

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### **O-180 Mild Hypothermia in Children with Acute Encephalopathy or Hypoxic Brain Damage**

SAOKO TAKESHITA<sup>\*1</sup>, KAZUSHI ICHIKAWA<sup>1</sup>, YUKA MASUDA<sup>1</sup>, YOSHITAKA OYAMA<sup>1</sup>, ATSUO NEZU<sup>2</sup>

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### **O-181 Prognostic factors and the efficacy of treatment in children with AESD**

NAOKO HAYASHI<sup>\*1</sup>, AKIHISA OKUMURA<sup>2</sup>, TETSUO KUBOTA<sup>3</sup>, TAKESHI TSUJI<sup>4</sup>,

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### **O-182 Prognosis of acute encephalopathy**

MANA KURIHARA<sup>\*1,2</sup>, TOSHITAKA KOHAGIZAWA<sup>1,2</sup>, CHIEKO IINO<sup>1</sup>, KAYOKO TAKAHASHI<sup>1,2</sup>,

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## Neuroimaging 3

### **O-183 The study of neuroradiological finding of CNS involvements in the patients with NF1**

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### **O-184 Unidentified bright objects in patients with Neurofibromatosis type1**

HIDEKI SHIMOMURA<sup>\*</sup>, TATSUYA FUJII, TOMOKO MIYAJIMA, TOMOHIRO KUMADA,

NOBUSUKE KIMURA, NOZOMI ODA, KEIKO SAITO

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### **O-185 Diffusion tensor imaging in cryptogenic West syndrome**

TATSUYA FUKASAWA<sup>\*1</sup>, HIROYUKI YAMAMOTO<sup>1</sup>, TETSUO KUBOTA<sup>1</sup>, TOMOHIKO NAKATA<sup>2</sup>,

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**O-186 Tractography assessments of cerebral and cerebellar white matter in preterm infants with PVL**

TATSUJI HASEGAWA<sup>\*1</sup>, TAKENORI TOZAWA<sup>1</sup>, KENICHI ISODA<sup>1</sup>, AKI KAWAI<sup>1</sup>, KOUICHI TANDA<sup>2</sup>,  
TOMOHIRO CHIYONOBU<sup>1</sup>, SACHIKO TOKUDA<sup>1</sup>, AKIRA NISHIMURA<sup>1</sup>, NAOKO YOSHIDA<sup>3</sup>,  
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**O-187 Serial assessment of the brain in a patient with CCALD: DTI and <sup>1</sup>H-MRSI analysis on a 3.0T MR system**

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**O-188 Pontine tegmental cap dysplasia, the first case in Japan**

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## Neuroimaging 4

**O-189 Changes of Magnetic Resonance Imaging in Children with Impaired Splenium of Corpus Callosum**

YAYUMI KAMIYAMA<sup>\*1,2</sup>, YUKIHIKO FUJITA<sup>1</sup>, IKUKO KIMURA<sup>1</sup>, WAKAKO ISHI<sup>1</sup>, YUKI IMAI<sup>1</sup>,  
AYUMI ENDO<sup>1</sup>, CHIKAKO ARAKAWA<sup>1</sup>, RYUTARO KOHIRA<sup>1</sup>, TATSUO FUCHIGAMI<sup>1</sup>,  
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**O-190 Six cases of abusive head trauma in infants**

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**O-191 Thalamic abnormalities in children with prolonged febrile seizures: MRI volumetric study**

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**O-192 Neural substrates of decrease in divided attention by chronic fatigue in adolescence using fMRI**

KEI MIZUNO<sup>\*1</sup>, JUNKO KAWATANI<sup>2</sup>, TAKAKO JOUDOI<sup>2</sup>, AKEMI TOMODA<sup>2</sup>, TERUHISA MIIKE<sup>3</sup>

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**O-193 Change of abnormal findings on the images of <sup>123</sup>I iomazenil SPECT**

ICHIRO KUKI<sup>1</sup>, HISASHI KAWAWAKI<sup>1</sup>, SHIN OKAZAKI<sup>1</sup>, MEGUMI NUKUI<sup>1</sup>, TAKESHI INOUE<sup>1</sup>,  
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**O-194 Differential diagnosis of developmental disorders using <sup>123</sup>I iomazenil SPECT**

SHINICHIRO NAGAMITSU<sup>\*</sup>, IKUHIKO SHIBUYA, MUNETSUGU HARA, TAKASHI OHYA,  
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## **Infection • Autoimmune Disease 5**

**O-195 CSF histamine contents in neurologic disorders**

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**O-196 A case of MS**

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**O-197 A case of acute cerebellar ataxia associated with anti-cardiolipin antibodies**

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**O-198 Central nervous complication in patients with streptococcal infections**

YASUO HACHIYA<sup>\*1</sup>, MASAHARU HAYASHI<sup>2</sup>, RIE MIYATA<sup>3</sup>, NAOYUKI TANUMA<sup>4</sup>, KAZUHISA HONGO<sup>5</sup>,  
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**O-199 The examination for measles antibody titer in subacute sclerosing panencephalitis**

TAKESHI MATSUSHIGE<sup>\*1</sup>, ANLAR BANU<sup>2</sup>, HIROFUMI INOUE<sup>1</sup>

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## Infection • Autoimmune Disease 6

### **O-200 Transient mild consciousness disturbance without delirious behavior during febrile illness**

TORU KATO<sup>1</sup>, TAKESHI TUJI<sup>1</sup>, FUMIO HAYAKAWA<sup>1</sup>, MOTOMASA SUZUKI<sup>2</sup>, TOMOYA TAKEUCHI<sup>3</sup>, JUN NATSUME<sup>3</sup>, AKIHISA OKUMURA<sup>4</sup>, KAZUYOSHI WATANABE<sup>5</sup>

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### **O-201 Analysis of clinical course of H. influenzae meningitis**

NATSUKO SUGIYAMA\*, MASAKO NAGASHIMA, YUKIFUMI MONDEN, YASUYUKI NOZAKI, TOKIKO FUKUDA, MASATO MORI, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI  
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### **O-202 Clinical study of six cases of Group B Streptococcal meningitis**

AKIHIKO MIYAUCHI\*, NATSUKO SUGIYAMA, MASAKO NAGASHIMA, YUKIFUMI MONDEN, YASUYUKI NOZAKI, TOKIKO FUKUDA, MASATO MORI, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI

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### **O-203 Cytokine analysis in meningococcal meningitis**

TAKAHIRO IKEDA\*, AKIO FUJINE, YUKIFUMI MONDEN, TOKIKO FUKUDA, TAKANORI YAMAGATA, HIDEO SUGIE, MARIKO MOMOI

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## Autonomic Nerves 2, Headache 2

### **O-204 The Spontaneous Intracranial hypotension case, we spent 2 years to make a diagnosis**

TAKASHI MITSUFUJI<sup>1</sup>, FUMIO YAMAMOTO<sup>1</sup>, YASUYUKIU ITOU<sup>1</sup>, YOUICHIROU HASHIMOTO<sup>1</sup>, NAMIO MAEDA<sup>2</sup>, MITSUHIRO FURUSAWA<sup>2</sup>, AKINORI TSUJI<sup>2</sup>, TETSUROU MITSUSE<sup>3</sup>, YASUHIKO KAIEDA<sup>4</sup>, TADASHI JOUNO<sup>4</sup>, MANABU IKEDA<sup>4</sup>, NOBUO ARAKI<sup>5</sup>, TERUYUKI HIRANO<sup>6</sup>, MAKOTO UCHINO<sup>6</sup>

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### **O-205 A family case of familial hemiplegic migraine**

HIDEHIRO YASUJIMA\*, MARIA TACHIBANA, TOMOKO OKUMURA, EIICHI FUJII  
Department of Pediatrics, Ono Municipal Hospital, Ono, Hyogo

**O-206 Cyclic vomiting in patients with CIPA -its CNS mechanism**

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SAYAKA OKUMURA<sup>1</sup>, KIKUKO IKEDA<sup>2</sup>, YUTAKA AWAYA<sup>3</sup>, KENJI NIHEI<sup>4</sup>

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

YUTAKA AWAYA<sup>\*1,2</sup>, KENJI NIHEI<sup>2,3</sup>, TOMOKI MAEDA<sup>4</sup>, TATUROU IZUMI<sup>4</sup>, YOSHIYUKI WATABE<sup>5</sup>,  
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## **Electrophysiology 2, Peripheral Nerve 2**

**O-208 Examination of using precision handgrip instrument in Duchenne muscular dystrophy**

ERIKO SATAKE<sup>\*</sup>, YASUHIRO TAKESHIMA, HIROYUKI AWANO, MARIKO YAGI, MASAHUMI MATSUO  
Department of Pediatrics, Kobe University Graduate School of Medicine, Kobe

**O-209 Oseltamivir Phosphate Induced Alterations in ABR of Epilepsy-Prone El Mice (The 2nd Report)**

YASUHIKO KAWAKAMI<sup>\*1</sup>, KENICHI SAITO<sup>2</sup>, SHINYA KOIZUMI<sup>3</sup>, KENTARO KUWABARA<sup>3</sup>,  
TAKEHISA FUJITA<sup>3</sup>, OSAMU FUJINO<sup>3</sup>, YOSHITAKA FUKUNAGA<sup>3</sup>

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

SUMIMASA YAMASHITA<sup>\*1</sup>, YOSIHIRO WATANABE<sup>1</sup>, MEGUMI TSUJI<sup>1</sup>, KIYOKO SAMEJIMA<sup>1</sup>,  
TAKAHITO WADA<sup>1</sup>, MIZUE IAI<sup>1</sup>, HITOSI OSAKA<sup>1</sup>, AKIKO ABE<sup>2</sup>, KIYOSHI HAYASAKA<sup>2</sup>

<sup>1</sup> Division of Child Neurology, Kanagawa Children's Medical Center

<sup>2</sup> Department of Pediatrics, Yamagata University School of Medicine

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

AKIKO ABE<sup>\*1</sup>, KAZUKI KIJIMA<sup>1,2</sup>, EMI SHIRAHATA<sup>1,3</sup>, KIYOSHI HAYASAKA<sup>1</sup>

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## **Congenital Anomaly • Chromosomal Abnormality 3**

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

SAYAKA OKUMURA<sup>\*1,2</sup>, SATOKO KUMADA<sup>1</sup>, KONOMI SHIMODA<sup>1</sup>, SACHIKO KANDA<sup>1</sup>, AI HOSHINO<sup>1</sup>,  
YASUO HACHIYA<sup>1</sup>, EIJI KURIHARA<sup>1</sup>

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### **O-213 A case of Luecodysplasia, microcephly, cerebral malformation (LMC)**

YOUHEI SUGIMOTO<sup>\*</sup>, KOUICHI TANDA

Department of Pediatrics, Maizuru Medical Center, Kyoto

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

NOBUTSUNE ISHIKAWA<sup>\*1</sup>, YOSHIYUKI KOBAYASHI<sup>1</sup>, KIYOKO YAMANE<sup>2</sup>

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

NOBUHIKO OKAMOTO<sup>\*1</sup>, TOSHIYUKI YAMAMOTO<sup>2</sup>, KEIKO SHIOJIMA<sup>2</sup>

<sup>1</sup> Department of Medical Genetics, Osaka Medical Center and Research Institute for Maternal and Child Health,  
Osaka

<sup>2</sup> Tokyo Women's Medical University Institute for Integrated Medical Sciences, Tokyo

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

SACHIKO SHIMOZATO<sup>\*1</sup>, KO NISHIMURA<sup>2</sup>, SATOSHI KIMIYA<sup>3</sup>, TAKAO TAKAHASHI<sup>1</sup>

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<sup>3</sup> Shimada Center for Rehabilitation and Neurodevelopmental Intervention, Tama

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

MARI SAITO<sup>\*</sup>, TAKANORI YAMAGATA, MASATO MORI, YUKIFUMI MONDEN, MASAKO NAGASHIMA

Jichi Medical University, Department of Pediatrics

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

SATORU SAKAZUME<sup>\*1</sup>, TOSHIRO NAGAI<sup>1</sup>, TAKEO KUBOTA<sup>2</sup>

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## **Neonates 2**

### **O-219 Whitematter injuries of congenital myotonic dystrophy and obstetrics medical indemnity system**

NAOYA ITOKAZU<sup>\*1,2</sup>, KAZUMI SAWADA<sup>2</sup>, TAKASHI OHYA<sup>3</sup>, SACHIO TAKASHIMA<sup>4</sup>

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<sup>4</sup> Yanagawa Institute for Developmental Disabilities, Fukuoka

### **O-220 Clinical meaning of newborn digital video electro encephalo graph**

YOSHIYUKI WATABE<sup>\*</sup>, RYOUTA KURIBAYASHI, GEORGE IMATAKA, OSAMU ARISAKA

Department of Pediatrics, Dokkyo University School of Medicine, Tochigi

**O-221 Clinical investigation of the EEG findings in neonatal seizures**

KYOUKO HIRASAWA<sup>\*1</sup>, MASAKO ITO<sup>2</sup>, HIROYUKI AOYAGI<sup>2</sup>, SATOSHI KUSUDA<sup>2</sup>, MAKIKO OSAWA<sup>1</sup>

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**O-222 Determinants of local cerebral temperature in healthy newborn infants**

SACHIKO IWATA<sup>\*</sup>, OSUKE IWATA, TAKASHI OYA, TOYOJIRO MATSUIISHI

Centre for Developmental and Cognitive Neuroscience, Kurume University School of Medicine, Kurume

**O-223 Establishment of early circadian rhythm in newborn infants**

NORIKO KIMURA<sup>\*</sup>, HISAYOSHI OKAMURA, SACHIKO IWATA, OSUKE IWATA, TOYOJIRO MATSUIISHI

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University School of Medicine, Kurume

**O-224 The examination of the brain function and metabolism using NIRS**

TAKASHI OHYA<sup>\*</sup>, OUSUKE IWATA, SACHIKO IWATA, IKUHIKO SHIBUYA, MUNETSUGU HARA,

SHINICHIROU NAGAMITSU, YUUSHIROU YAMASHITA, TOYOJIROU MATSUIISHI

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**O-225 Neuroprotective effects of xenon after transient cerebral hypoxia-ischaemia in the newborn piglet**

TAKENORI KATO<sup>\*1</sup>, OSUKE IWATA<sup>2,3</sup>, SACHIKO IWATA<sup>2,3</sup>, HAJIME TOGARI<sup>4</sup>

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## Morphology • Pathology 2

**O-226 Model mouse of cognitive dysfunction due to ischemic brain injury in extremely premature infants**

KIMIKO DEGUCHI<sup>\*1,2,3</sup>, KEN-ICHIRO KUBO<sup>3</sup>, KAZUNORI NAKAJIMA<sup>3</sup>, KEN INOUE<sup>2</sup>

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**O-227 Syringomyelia associated with chronic tonsillar herniation (Chiari type I malformation)**

HIROAKI SAKAMOTO<sup>\*</sup>, YASUHIRO MATSUSAKA, AIKO TERADA

Department of Pediatric Neurosurgery, Children's Medical Center, Osaka City General Hospital

**O-228 Morphological development of the human abducens nucleus.II - Histometric analysis**

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<sup>2</sup> Department of Pediatrics, Southern Tohoku General Hospital

**O-229 Effects of bisphenol A on the murine brain development: Golgi study of corticofugal neurons**

KEIKO NAKAMURA<sup>\*1,2</sup>, KYOKO ITOH<sup>1</sup>, HAJIME HOSOI<sup>2</sup>, SHINJI FUSHIKI<sup>1</sup>

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## Sleep•Circadian Rhythm

### **O-230 Circadian rhythm development in Kindergarden children - Basic data for child behavior checklist -**

TAMIKO NEGORO\*

Department of Human Welfare, Okazaki Women's Junior College, Okazaki

### **O-231 Determinants of sleep schedule variables in preschool children**

SACHIKO IWATA\*, OSUKE IWATA, AKIKO IEMURA, MIZUE IWASAKI, TOYOJIRO MATSUISHI

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### **O-232 Determinants of sleep latency and efficacy in preschool children**

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University School of Medicine, Kurume

### **O-233 Importance of the treatment to the sleep disorder in 3 PDD patients**

SHIGEYUKI MATSUZAWA\*, SEIKI TAJIMA, TERUHISA MIKE

Hyogo Children's Sleep and Development Medical Research Center, Hyogo

### **O-234 Relationship between sleep problems and behavior problems: a survey using CASC**

FUMIE HORIUCHI<sup>1</sup>, YASUNORI OKA<sup>2</sup>

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### **O-235 Sleep habit of children and adolescent: a survey using CASC**

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## Development 2

### **O-236 Mother-Infant Interaction Increase and Maintain the Attention of Infants -an Eye Tracking Study-**

AKIO NAKAI<sup>1</sup>, TAKAYUKI OTOBE<sup>2</sup>, KEIKO TAKEUCHI<sup>3</sup>, RIEKO TAKAYA<sup>4</sup>, TOSHIYUKI MORI<sup>5</sup>,

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<sup>6</sup> Department of Children's Education, Jin-ai University, Fukui

### **O-237 Relationship between working memory and reading ability in healthy children**

TERUKO MOROOKA<sup>1</sup>, AKIHITO TAKEUCHI<sup>1</sup>, MAKIO OKA<sup>1</sup>, KAORU HANAFUSA<sup>1</sup>, TATSUYA OGINO<sup>2</sup>,

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**O-238 Development of phonological strategy in short-term memory: a near-infrared spectroscopy study**

MASAFUMI SANEFUJI<sup>\*1</sup>, YUI YAMAGUCHI<sup>1</sup>, NAOKO KIMURA<sup>2</sup>, HIROYUKI TORISU<sup>1</sup>,  
RYUTARO KIRA<sup>1</sup>, YOSHITO ISHIZAKI<sup>1</sup>, SOO-YOUNG LEE<sup>1</sup>, TOSHIRO HARA<sup>1</sup>

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**O-239 Analysis of Word Recognition across Their First Language, Second Language, and Word Concepts**

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<sup>3</sup> Faculty of Medicine, Chiba University

**O-240 The cognitive development of hemiplegic children**

YURI NARITA<sup>\*1</sup>, SHIN-ICHIRO HAMANO<sup>2</sup>, MAI KURODA<sup>1</sup>, NORIYUKI MINAMITANI<sup>3</sup>,  
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**O-241 The changes of children's mental development for the past 50 years in Japan**

HIDEYO GOMA<sup>\*1</sup>, HIROMI KOTANI<sup>2</sup>, TOMOMI IKEDA<sup>3</sup>

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<sup>3</sup> Hyogo University, Kakogawa

## Vascular Disease2•Tumor 2

**O-242 Long-term follow-up of surgically or medically treated juvenile patients with moyamoya disease**

TADASHI NARIAI<sup>\*</sup>, MAKI MUKAWA, TOSHIYA MOMOSE, TAKETOSHI MAEHARA, KIKUO OHNO  
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**O-243 The case report of fibromuscular dysplasia diagnosed from recurrent cerebral infarction**

HIDENORI OHNISHI<sup>\*1</sup>, ORII KENJI<sup>1</sup>, MASAHIRO MORIMOTO<sup>1</sup>, ZENICHIRO KATO<sup>1</sup>, NAOMI KONDO<sup>1</sup>,  
YOSHIMITSU GOTO<sup>2</sup>, YUICHI GOTO<sup>3</sup>, ICHIZO NISHINO<sup>3</sup>, HIDEKI IWATA<sup>4</sup>

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**O-244 A 12 years child was diagnosed as Hereditary hemorrhagic telangiectasia with Brain Stem infarction**

SHINJIRO NAKASORA<sup>\*1</sup>, HIROKI HASUMI<sup>1</sup>, YAYUMI KAMIYAMA<sup>1,2</sup>, YUKIHIKO FUJITA<sup>1,2</sup>

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**O-245 Antiphospholipids in childhood and its relationship with human herpesvirus-6 infection**

MITSUO TOYOSHIMA<sup>\*1</sup>, SHINSUKE MARUYAMA<sup>1</sup>, CHIHIRO YONEE<sup>1</sup>, KENJI WATANABE<sup>2</sup>,  
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**O-246 Clinical presentation of brain tumors in children -WHO classification and prognosis-**

SO-ICHI SUENOBU\*, KAZUO OKANARI, KENSUKE AKIYOSHI, TATSURO IZUMI

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**O-247 Difficult diagnosis in a patient with germinoma of the basal ganglia**

MASAKO HARADA\*<sup>1</sup>, AKIHIKO NAKAHARA<sup>1</sup>, TOSHIRO IKEDA<sup>1</sup>, TAKESHI KANEUMI<sup>2</sup>

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## **Involuntary Movement•Basal Ganglia 2**

**O-248 Neurophysiological evaluation in Tourette syndrome (TS) -Premovement gating study in SEP**

KAZUE KIMURA\*, YOSHIKO NOMURA, YURI NAGAO, KEI HACHIMORI, MASAYA SEGAWA

Segawa Neurological Clinic for Children, Tokyo

**O-249 A 14 years girl with Hyerekplexia having the GLRB mutation**

JUN MINE\*<sup>1,2,3</sup>, KAZUKO KISHI<sup>1</sup>, SEIJI YAMAGUCHI<sup>1</sup>, TAKESHI TAKETANI<sup>2</sup>, SHUSUKE OTSUBO<sup>3</sup>

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<sup>3</sup> Otsubo Kodomo Clinic, Kagoshima

**O-250 A girl of 4-year-old with objective tinitus**

MASAHIRO ITO\*, MASAKO HABU, TAKASHI MICHISHITA, HISAMITSU TAMAKI

The Department of Pediatrics, Tokyo Metropolitan Bokutoh Hospital, Tokyo

## **PC Movie 1**

**O-251 Two epileptic patients with self-induced seizures by peri-orbital somatosensory self-stimulation**

RUMIKO TAKAYAMA\*<sup>1</sup>, YUKITOSHI TAKAHASHI<sup>1</sup>, YUKIKO MOGAMI<sup>1</sup>, MARIKO IKEGAMI<sup>1</sup>,  
SOUICHI MUKAIDA<sup>1</sup>, HIROKO IKEDA<sup>1</sup>, KATSUMI IMAI<sup>1</sup>, HIDEO SHIGEMATSU<sup>1</sup>, YUSHI INOUE<sup>1</sup>,  
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**O-252 A case of non-epileptic status with Rota infection was revealed by EEG and midazolam treatment**

AI HOSHINO\*<sup>1,2</sup>, SATOKO KUMADA<sup>2</sup>, YASUO HACHIYA<sup>2</sup>, SYOUKO KANDA<sup>2</sup>, KONOMI SHIMODA<sup>2</sup>,  
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<sup>3</sup> Tama-Hokubu Medical Center

**O-253 Cases with benign neonatal sleep myoclonus**

YASUHIRO SUZUKI\*, YASUHISA TORIBE, KEITARO YAMADA, KEIKO YANAGIHARA,  
YASUYUKI FUTAGI, TOSHIYUKI MANO

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Izumi

**O-254 Seizure detection of hypermotor seizure using video and pulse rate recording**

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Division of Pediatrics, Nishibeppu National Hospital

**O-255 Evaluation of brain activation during epileptic seizure in infancy by Near-Infrared Spectroscopy**

AKIHIKO ISHIYAMA<sup>\*1</sup>, EIJI NAKAGAWA<sup>1</sup>, SAYURI SUKIGARA<sup>1</sup>, KOUICHI AIZAKI<sup>1</sup>, ERI TAKESHITA<sup>1</sup>, TAKEHIKO INUI<sup>1</sup>, RYOKO HONDA<sup>1</sup>, HIROSHI SAKUMA<sup>1</sup>, HIROHUMI KOMAKI<sup>1</sup>, YOSHIAKI SAITO<sup>1</sup>, KENJI SUGAI<sup>1</sup>, MASAYUKI SASAKI<sup>1</sup>, IWAO KOBAYASHI<sup>2</sup>, TAISUKE OOTSUKI<sup>3</sup>

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**O-256 A case of eating epilepsy**

MAKOTO KITA<sup>\*</sup>, TOMONARI AWAYA, MINORU SHIBATA, TAKEO KATO

The Department of Pediatrics, Faculty of Medicine, Kyoto University, Kyoto

**O-257 Statistical analysis of ictal high-frequency oscillations in epileptic spasms**

HIROKI NARIAI<sup>\*</sup>, TETSURO NAGASAWA, SHINICHIRO KOGA, MIHO FUKUDA

Children's Hospital of Michigan, Wayne State University, Department of Pediatrics and Neurology

**O-258 An infant with gastroesophageal reflux disease**

HIROKO MATSUSHITA<sup>\*</sup>, SOZO OKANO, KATSUMI HAYAKAWA

Kyoto City Hospital, Kyoto

## PC Movie 2

**O-259 The Efficacy in Infancy of Compulsive Grasping Posture of Intact Hand for Spastic Hemiplegia**

SHIGERU HANAOKA<sup>\*</sup>

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**O-260 Anesthesia management of laparoscopic fundoplication in child with gastroesophageal reflux disease**

KOTOKO SUGAYA<sup>\*1</sup>, HIROYUKI MITONO<sup>1</sup>, SHINICHIROU HAMANO<sup>2</sup>

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**O-261 Cortical gamma-oscillations modulated by visuomotor tasks**

TETSURO NAGASAWA<sup>\*</sup>, HIROKI NARIAI, SHINICHIRO KOGA, MIHO FUKUDA

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**O-262 A case report of juvenile GM2 Gangliosidosis**

YOSHIMICHI HIRAYAMA<sup>\*1</sup>, CHITOSE SUGIURA<sup>1</sup>, YUJI FUJII<sup>1</sup>, YOSHIHIRO MAEGAKI<sup>1</sup>, KOUSAKU OHNO<sup>1</sup>, KAZUNORI OGAWA<sup>2</sup>

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**O-263 Regenerative therapy for muscular dystrophy with MyoD transduced primary fibroblast culture**

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**O-264 Two cases of streptococcus-associated encephalitis revealing psychiatric symptoms including aphonia**

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**O-265 Palatal myoclonus in a patient with infantile Alexander disease**

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KENJI SUGAI

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## Peripheral Nerve 1•Spinal

### **P-001 A case of spinal muscular dystrophy type 1 associated with haemophilia A**

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### **P-002 Spinal muscular type 0: a case report**

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### **P-003 A CIDP patient presenting as motor delay and pes equinus which is hard to diagnosis from HMSN**

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### **P-004 Two cases of child-onset pharyngeal-cervical-brachial variant of Guillain-Barre syndrome**

HISASHI ITABASHI<sup>\*</sup>, TAKESHI INOUE, RYOUKO OOTANI, NOBUYUKI MURAKAMI,  
RYOUICHI SAKUTA, TOSHIROU NAGAI

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### **P-005 Clinical review of pediatric patients who were examined peripheral nerve biopsy**

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YUKO SHIMIZU<sup>1</sup>, TOMOKO MIZUNO<sup>1</sup>, HIROSHI SAKUMA<sup>1</sup>, YOSHIKI SAITO<sup>1</sup>, EIJI NAKAGAWA<sup>1</sup>,  
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## Muscular Disease 1

### **P-006 Pathology of Juvenile dermatomyositis**

RIE TSUBURAYA<sup>\*1,2</sup>, YUKIKO HAYASHI<sup>1</sup>, IKUYA NONAKA<sup>1</sup>, ICHIZO NISHINO<sup>1</sup>

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### **P-007 Database of wards for patients with muscular dystrophy in Japan**

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**P-008 The occurrence and the risk factor of urolithiasis in Duchenne muscular dystrophy**

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KENJI SUGAI, MASAYUKI SASAKI

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**P-009 LMNA mutations are common cause of congenital muscular dystrophy**

HIROFUMI KOMAKI<sup>1</sup>, YUKIKO K. HAYASHI<sup>2</sup>, RIE TSUBURAYA<sup>2</sup>, AYAKO HATTORI<sup>1</sup>,  
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MASAO KAWATANI<sup>7</sup>, KAYOKO SAITO<sup>8</sup>, YASUHIRO TAKESHIMA<sup>9</sup>, KENJI SUGAI<sup>1</sup>,  
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**P-010 Management of dysphagia in Fukuyama type Congenital Muscular Dystrophy**

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KATUTOSHI NAKATANI<sup>1</sup>, AKIRA YONEYAMA<sup>1</sup>, SYOUKO ENOMOTO<sup>1</sup>, EIJI KITAZUMI<sup>1</sup>

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**P-011 Steroid therapy for a girl with mild form of Fukuyama congenital muscular dystrophy**

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

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<sup>2</sup> Toyohashi Mates Sleep Center, Aichi

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

MINAKO SUGIYAMA<sup>\*1</sup>, MASANORI NAKANISHI<sup>1,2</sup>, TETSURO NAGASHIMA<sup>1</sup>, YUMI TAKAHASHI<sup>2</sup>,  
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**P-014 A Child with Generalized Myasthenia Gravis Successfully Treated With Immunoadsorption and IVIG**

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

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TAKATOSHI SATOH, HARUKO SUZUKI, YOSHITO HIRAYAMA, MAKIKO OSAWA  
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## **Cerebral Palsy • Care 1 (Complications, Rehabilitation)**

**P-016 Cancelled**

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

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

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SUEMI NAKAJIMA, MITUKO SUGIMORI, AYAKO KATAYAMA, KIYOSHI ARIMOTO, SATOSHI KIMIYA  
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**P-019 Characteristics of cataract in patients with severe motor and intellectual disabilities**

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

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

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MINA YOKOYAMA, TATUO MASUYAMA, YUJI IWASAKI, MASATAKA ARIMA  
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**P-022 Summary and problem of six years of outpatient pediatric rehabilitation in general hospital**

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Funabashi Futawa Hospital

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

AKIKO NAGAE\*, JUNKO ABE, YASUYUKI FUJITA, MASAO KUMODE  
Biwako Gakuen Kusatu Medical and Welfare Center, Shiga

**P-024 How to manage Children and Youth with Special Health Care Needs (CYSHCN)**

NOBUYUKI YOTANI<sup>1</sup>, HIDEKI HOSHINO<sup>2</sup>, MASAYA KUBOTA<sup>2</sup>, SHINJI OANA<sup>1</sup>, SUSUMU YOKOYA<sup>3</sup>,  
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## Cerebral Palsy • Care 2 (Home Care, Respiratory Care)

### **P-025 Analysis of the patients who required medical care after discharge from our NICU**

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### **P-026 A Gunma children's medical center manual for home nursing care**

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Department of Neurology, Gunma Children's Medical Center

### **P-027 respiratory biomarker for severe motor and intellectual disabilities**

SHINYA KOIZUMI\*<sup>1</sup>, TAKAYUKI HATORI<sup>1</sup>, OSAMU FUJINO<sup>1</sup>, YASUHIKO KAWAKAMI<sup>2</sup>,  
MARIKO FUJIMATSU<sup>3</sup>, TAKEHISA FUJITA<sup>3</sup>, ATSUSHI TAKAGI<sup>4</sup>, KENTARO KUWABARA<sup>4</sup>,  
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### **P-028 Effect of noninvasive positive pressure support for the severe handicapped patient**

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### **P-029 Case analyses of Severe Motor and Intellectual Disabilities receiving NPPV for respiratory disorder**

SHUJI MATSUI\*, SATOKO TAKEI, MITSUNOBU MATSUDA, TOYOKO ARAKAWA,  
NOBUYUKI TAKECHI, KEIKO WADA, KEIKO AKAHOSHI, TOSHIHIDE SHIIKI, MASUKO FUNAHASHI,  
YASUYUKI SUZUKI

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### **P-030 Long-term effect and problems of MI-E in patients with severe motor and intellectual disabilities**

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### **P-031 Prognosis of persons with SMID following tracheotomy I: Chronological changes**

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### **P-032 Prognosis of persons with SMID following tracheotomy II: difference among ages at operation**

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## Neuroimaging 1

### P-033 A case of Sturge-Weber syndrome

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### P-034 A 4-month-old infant with cavernous sinus syndrome associated with oculomotor nerve palsy

KOO NAGASAWA<sup>\*1</sup>, KATUNORI FUJII<sup>1</sup>, RYO TANABE<sup>1</sup>, TADASHI SHIOHAMA<sup>1</sup>, MAIKO SUYAMA<sup>1</sup>,  
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### P-035 A case of vanishing white matter disease showed rapid degradation

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### P-036 Parieto-occipital Encephalomalacia in Neonatal Hyperammonemia with OTC Deficiency

TOHRU OKANISHI<sup>\*1,2</sup>, TETSUYA ITO<sup>1</sup>, YOKO NAKAJIMA<sup>1</sup>, SATORU KOBAYASHI<sup>1</sup>, NAOKI ANDO<sup>1</sup>,  
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Medical Sciences

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### P-037 A case of infantile form GM2 gangliosidosis with cerebral subcortical cysts

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### P-038 The clinical characterization of callosal agenesis with interhemispheric cyst

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### P-039 MR Spectroscopy analyses of the two cases with symptomatic West syndrome

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## Neuroimaging 2

### P-040 Tractography-specific measurement in 4 pediatric patients with hemiparesis

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**P-041 Clinical and radiological characteristics of the malformation of cortical development**

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MASAMI TOGAWA, YUUJI FUJII, CHITOSE SUGIURA, YOSHIHIRO MAEGAKI, KOUSAKU OHNO  
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**P-042 Application of the 3D-CISS for the congenital deformity syndrome with the cerebral nerve dysplasia**

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**P-043 A trial study for creating Japanese pediatric MRI templates**

HITOSHI UCHIYAMA<sup>\*1,2,3</sup>, AYUMI SEKI<sup>1,2,3</sup>, ARIKO TAKEUCHI<sup>3</sup>, TATSUYA KOEDA<sup>1,2,3</sup>

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**P-044 Diffusion tensor analysis with acute encephalitis with refractory, repetitive partial seizures**

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MASAKO SAITOH, TOMOYUKI NAKAZAWA, TOSHIAKI SHIMIZU  
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**P-045 Cyst-like tubers in tuberous sclerosis**

HIROMI MIZUOCHI<sup>\*1</sup>, KATSUNORI FUJII<sup>1</sup>, TADASHI SHIOHAMA<sup>1</sup>, MAIKO SUYAMA<sup>1</sup>,  
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## Morphology•Pathology 1

**P-046 Aprosencephaly with rhombencephalosynapsis and hamartomatous midbrain dysplasia**

TOMOYUKI TAKANO<sup>\*1</sup>, NORIKO KINOSHITA<sup>2</sup>, SEIRO NARUMIYA<sup>2</sup>, KUMIKO MATSUWAKE<sup>1</sup>,  
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**P-047 Fetal hepatic hemorrhage in a case of X-linked myotubular myopathy**

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**P-048 A decrease in oligodendrogenesis in the brain of mouse model for Down syndrome**

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**P-049 White matter abnormalities in the mouse model of GM1-gangliosidosis**

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**P-050 Gliotic Change at Periventricular White Matter in an Experimental Model of Intrauterine Infection**

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**P-051 Progress in expression of myelin-associated proteins on the developing brain of mbp-deficient mouse**

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**P-052 Ultrastructural finding of the abnormalities in a mouse model of DMRV**

TOMOHARU TOKUTOMI<sup>\*1,2</sup>, IKUYA NONAKA<sup>1</sup>, YUKIKO K. HAYASHI<sup>1</sup>, ICHIZO NISHINO<sup>1</sup>

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## **Metabolic Disease 3 (Organic Acidemia, Mitochondrial Disease)**

**P-053 Glutaric aciduria type 1 heterozygous carrier presenting with an acute encephalopathy**

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SAOKO TAKESHITA

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**P-054 Serial EEG and MRI findings in an infant with isovaleric acidemia**

ERI NAKAHARA<sup>\*</sup>, AKIHISA OKUMURA, MASAKO SAITOU, SHINPEI ABE, MITSURU IKENO,  
YURI KITAMURA, TOSHIKI SHIMIZU

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**P-055 Clinical characteristics of 3-hydroxyisobutyric aciduria in four patients**

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**P-056 The neurological prognosis of organic acidemia**

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**P-057 Cytochrome C oxidase deficiency in two siblings with Leigh encephalopathy**

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**P-058 Leigh-like disease associated with the T9185C mutation in the mitochondrial DNA ATP6 gene**

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**P-059 Reversible cytochrome C oxidase deficiency myopathy with abnormal findings in basal ganglia**

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**P-060 A case report of MERRF/MELAS overlap syndrome with A3243G mtDNA mutation**

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**P-061 A case of mitochondrial disease with 14459 mutation successfully treated by sodium succinate**

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## **Metabolic Disease 4 (Lysosome, Others)**

**P-062 A case of mucopolysaccharidosis Type VI with acute hydrocephalus**

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**P-063 A case of Hunter syndrome which enzyme replacement therapy has chiefly improved the breath symptom**

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**P-064 An autopsy report of a case with Gacher type-2 disease**

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**P-065 Clinical features of Fabry disease in four children**

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**P-066 Effectiveness of cyclodextrin treatment for Niemann-Pick C disease**

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**P-067 Two patients of unconsciousness induced by medium chain acyl-CoA dehydrogenase deficiency**

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CHIKAKO ARAKAWA<sup>2</sup>, RYUTARO KOHIRA<sup>2</sup>, TATSUO FUCHIGAMI<sup>3</sup>, TOSHIHIKO FUJITA<sup>2</sup>

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**P-068 Frequent vomiting as the first manifestation of Wernicke encephalopathy**

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**P-069 A pedigree with Segawa syndrome**

KAZUHIRO OHYA<sup>\*1</sup>, AKI ISHIKAWA<sup>1</sup>, KOKI NIKAI<sup>1</sup>, TOMIHIRO IMAI<sup>2</sup>, NOBUTADA TACHI<sup>3</sup>,  
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**P-070 A case report of Succinic semialdehyde dehydrogenase deficiency**

GENREI OHTA<sup>\*1</sup>, MOTOHIRO TAKEUCHI<sup>1</sup>, MASAO KAWATANI<sup>2</sup>, YOSUKE SHIGEMATSU<sup>3</sup>

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## **Developmental Disorders 4 (Hyperactive disorder)**

**P-071 Remaining symptoms of attention deficit hyperactivity disorder after treatment for Graves' disease**

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**P-072 Hyperactivity disorder in patients with battered child syndrome**

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**P-073 A clinical study of medical treatment for Attention Deficit/Hyperactivity Disorders in our institute**

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**P-074 The target of methylphenidate therapy in attention-deficit/hyperactivity disorder**

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**P-075 Effect of summer treatment program**

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MUNETUGU HARA<sup>2</sup>, TAKASHI OHYA<sup>2</sup>, MASAYUKI NAKASHIMA<sup>2</sup>, KEIKO KAWANO<sup>2</sup>,  
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**P-076 Improving behavior with "adult imitation"**

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## **Developmental Disorders 5 (Symptoms, Sleep, Screening)**

**P-077 Psychosomatic Presentation in Developmental disorder**

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**P-078 Sleep study of Developmental disorder**

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**P-079 Treatment of melatonin on ASD in our center**

TATSUO MASUYAMA\*, SYUHEI IDE, HITOMI NOGUCHI, YUKO TAKI, SHIHO HONZAWA,  
MINA YOKOYAMA, YUMI OOKOSHI, YASUHIRO ARAI, YUKIKO OSAWA, MICHIO FUKUMIZU,  
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**P-080 Developmental examination for five-year-old children in Ohtawara, Tochigi**

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**P-081 Screening of children with developmental disorder by 5-year old medical checkup in Kurume City**

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**P-082 The outreach clinic by a team of pediatrician, psychologist, and teacher at an elementary school**

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## **Developmental Disorders 6 (PDD, Others)**

**P-083 Clinical study of children diagnosed with HFPDD after the first elementary school**

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**P-084 Learning Disability in Developmental Disorders: Clinical Symptoms and Results of 4 Reading Tasks**

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**P-085 The team approach for children with HFPDD and OCD**

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**P-086 Experience of Aripiprazole on Childhood Pervasive Developmental Disorder**

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**P-087 A case of 11-year-old girl with eating disorder and pervasive developmental disorder**

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**P-088 Clinical studies of head circumference and physical growth in children with autistic disorder**

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**P-089 A boy with Monocarboxylate Transporter 8 deficiency**

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**P-090 Identification of developmental disorder related human X-linked imprinting gene**

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## **Epilepsy•Seizure Disorders 4 (West Syndrome)**

**P-091 Efficacy of repeated ACTH therapy in patients with intractable West syndrome**

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**P-092 Clinical feature of West syndrome in seven cases who were resistant to ACTH therapy**

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**P-093 A case of cataract associated with ACTH therapy for West syndrome**

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

TAKUYA TANABE<sup>\*1</sup>, SHUICHI SHIMAKAWA<sup>2</sup>, MITSURU KASHIWAGI<sup>1</sup>, MIWA NAKAJIMA<sup>1</sup>,  
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**P-095 West syndrome with Klinefelter syndrome**

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

AYAKO OKANO<sup>\*1</sup>, KENGO MORIYAMA<sup>1</sup>, RIE MIYATA<sup>1</sup>, NAOYUKI TANUMA<sup>2</sup>, MASAHARU HAYASHI<sup>2</sup>,  
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**P-097 The profile of West syndrome from 3100 cases of registration on medical aid program**

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

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## **Epilepsy•Seizure Disorders 5**

**P-099 Evolution of epilepsy in alternating hemiplegia of childhood**

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

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

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

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**P-103 Cognitive function in children with epilepsy with continuous spikes and waves during slow wave sleep**

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**P-104 A case of epilepsy with continuous spikes and waves during slow sleep in severely handicapped child**

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**P-105 Non-convulsive status epilepticus induced by carbamazepine in childhood absence epilepsy**

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**P-106 Two siblings suspected of having epilepsy with myoclonic absences**

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**P-107 A case of symptomatic epilepsy whose clinical features resemble that of Panayiotopoulos syndrome**

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## **Acute Encephalitis·Encephalopathy 4 (Clinical Aspect, Neuroimaging)**

**P-108 Analysis of children with acute encephalopathy in recent 10 years at Sendai City Hospital**

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**P-109 Are there any differences between recurrent and unreccurent encephalopathy?**

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**P-110 A case of acute necrotizing encephalopathy with bilateral medial temporal lesions**

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**P-111 Increase of oxidative stress markers in the CSF in a patient with postencephalitic epilepsy**

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**P-112 A case of MERS associated with rotavirus gastroenteritis**

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**P-113 Three cases of mild encephalitis/encephalopathy with a reversible splenic lesion**

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**P-114 Reversible splenic lesion with transiently reduced diffusion in two generations**

RYUTARO KIRA<sup>\*1,2</sup>, HIROYUKI TORISU<sup>1</sup>, MASAFUMI SANEFUJI<sup>1</sup>, YOSHITO ISHIZAKI<sup>1</sup>, TOSHIRO HARA<sup>1</sup>

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## **Acute Encephalitis • Encephalopathy 5 (H1N1 Influenza 1)**

**P-115 clinical study of 37 cases that presented nervous system symptoms with the new type influenza**

TOMOKAZU KIMIZU<sup>\*</sup>, TARO MATUOKA, KOUJI TUTIYA

Toyonaka Municipal Hospital

**P-116 Novel influenza A (H1N1) virus-associated encephalopathy in children: Clinical manifestation of 8 cases**

NOBUKO MORIYAMA<sup>\*</sup>, NATSUKO OYAKE, TAKAMASA YOSHIDA

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**P-117 The clinical progress and diagnosis in novel influenza A virus infection suspected encephalopathy**

HIROSHI IDEGUCHI<sup>\*</sup>, YUKIO IHARA, YUKO TOMONOU, TAKAHITO INOUE, SAWA YASUMOTO, SHINICHI HIROSE

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**P-118 Nonconvulsive seizure in children with H1N1 influenza virus infection related altered consciousness**

KYOKO FUJITA<sup>\*1</sup>, TAKU NAKAGAWA<sup>2</sup>, YOHSUKE SAJI<sup>2</sup>, AZUSA MARUYAMA<sup>1</sup>, HIROAKI NAGASE<sup>1</sup>

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<sup>2</sup> The Department of Pediatric Emergency Medicine and Critical Care, Kobe Children's Hospital, Hyogo

**P-119 Serum and cerebrospinal fluid levels of cytokines in acute encephalopathy associated with influenza**

MIHO FUKUI<sup>\*1</sup>, SHUICHI SHIMAKAWA<sup>1</sup>, RYOHEI MIYAMOTO<sup>2</sup>, SHOHEI NOMURA<sup>1</sup>,  
MITSURU KASHIWAGI<sup>3</sup>, SOSUKE YOSHIKAWA<sup>4</sup>, TAKUYA TANABE<sup>3</sup>, KOHJI AZUMAGAWA<sup>5</sup>,  
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**P-120 A case report of influenza A (H1N1) encephalopathy with biphasic seizures and late reduced diffusion**

SHINTARO YAMASHITA<sup>\*1</sup>, AKIHISA OKUMURA<sup>2</sup>, SHINICHI NIJIMA<sup>1</sup>, CHIKAKO ARAKAWA<sup>3</sup>

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## **Acute Encephalitis • Encephalopathy 6 (H1N1 Influenza 2)**

**P-121 A case of influenza A (H1N1) encephalopathy with transient decrease of TSH level**

YOSHINOBU OYAZATO<sup>\*</sup>, ATSUSHI NISHIYAMA, MASAO ADACHI, MASANORI MURASE,  
AKIHITO ISHIDA  
Kakogawa Municipal Hospital

**P-122 Acute encephalopathy associated with H1N1 influenza virus: a case report**

TAKUYA YOKOTA<sup>\*</sup>, TOHRU OKANISHI, HIDEO ENOKI  
Seirei Hamamatsu General Hospital, Hamamatsu

**P-123 A patient of influenza-associated pneumonia with transient EEG abnormality**

SHOHEI NOMURA<sup>\*1</sup>, SHUICHI SHIMAKAWA<sup>1</sup>, MIHO FUKUI<sup>1</sup>, TAKUYA TANABE<sup>2</sup>, HIROSHI TAMAI<sup>1</sup>  
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**P-124 A study of influenza-associated encephalopathy caused by Pandemic (H1N1) 2009**

YUKI IMAI<sup>\*1</sup>, TATSUO FUCHIGAMI<sup>2</sup>, AYUMI ENDOH<sup>1</sup>, CHIKAKO ARAKAWA<sup>1</sup>, RYUTAROU KOHIRA<sup>1</sup>,  
YUKIHIKO FUJITA<sup>1</sup>, KOUJI HASHIMOTO<sup>2</sup>, YASUJI INAMO<sup>2</sup>, HIDEO MUGISHIMA<sup>1</sup>  
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**P-125 Late onset impaired consciousness and EEG abnormality post H1N1 influenza infection**

KAZUHIRO MURAMATSU<sup>\*</sup>, NORIKO SAWAURA, YOKO URANO, HIROKAZU ARAKAWA  
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**P-126 A case of H1N1 influenza encephalopathy showing with localized cortical lesion**

MASAHARU OHFU<sup>\*</sup>, YOKO SHIMABUKURO, TETSUHIRO SAKIHARA  
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**P-127 A case of H1N1 influenza encephalopathy showing with transient splenial lesion**

MASATO HIYANE<sup>\*1</sup>, YOKO SHIMABUKURO<sup>1,2</sup>, TETSUHIRO SAKIHARA<sup>1,2</sup>, JUN TOYAMA<sup>3</sup>,  
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<sup>3</sup> Okinawa Children Development Center, Okinawa

## **Infection • Autoimmune Disease 1**

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

NAOMI KIOKA<sup>\*</sup>, KOICHI MINAMI, AKIRA TAMURA, NORISHIGE YOSHIKAWA

The Department of Pediatrics, Wakayama Medical University, Wakayama

**P-129 Anti-GM1, GD1b antibody positive Guillain-Barre syndrome's case presenting triad of Fisher syndrome**

YOHANE MIYATA<sup>\*1</sup>, TAKAHUMI SIMADA<sup>2</sup>, AKIKO KOYAMA<sup>3</sup>, HIDEKI HOSINO<sup>3</sup>, MASAYA KUBOTA<sup>3</sup>

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<sup>3</sup> Department of Medical Subspecialties, Division of Neurology, National Center for Child Health and Development, Tokyo

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

MAIKO SUYAMA<sup>\*</sup>, KATSUNORI FUJII, TADASHI SHIOHAMA, RYO TANABE, MAMIKO ENDO,  
YOICHI KOHNO

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

HIROSHI SAKUMA<sup>\*</sup>, YOSHIAKI SAITO, HIROFUMI KOMAKI, EIJI NAKAGAWA, KENJI SUGAI,  
MASAYUKI SASAKI

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

SHINPEI ABE<sup>\*1</sup>, AKIHISA OKUMURA<sup>1</sup>, ERI NAKAHARA<sup>1</sup>, MITURU IKENO<sup>1</sup>, MASAKO SAITO<sup>1</sup>,  
TOSHIKI SHIMIZU<sup>1</sup>, NAOYUKI TANUMA<sup>2</sup>, MASAHARU HAYASHI<sup>3</sup>

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<sup>3</sup> Tokyo Metropolitan Institute for Neuroscience

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

TSUKASA HIGUCHI<sup>\*1,2</sup>, TAKAFUMI NISHIMURA<sup>1</sup>, TAKEFUMI ISHIDA<sup>1</sup>, TETSUHIRO FUKUYAMA<sup>1</sup>,  
YUJI INABA<sup>1</sup>, YUKITOSHI TAKAHASHI<sup>3</sup>

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Shizuoka

**P-134 A case report of acute hemispheritis with adenovirus gastroenteritis**

MARI YASUDA<sup>\*</sup>, DAISUKE KATO, NORIHISA KOYAMA, KENJI YOKOCHI

Toyohashi Municipal Hospital, Aichi

## Infection • Autoimmune Disease 2

### **P-135 A case of acute cerebellitis caused by rotavirus infection**

IKUKO KIMURA\*, YUKI IMAI, WAKAKO ISHII, AYUMI ENDOU, CHIKAKO ARAKAWA,  
RYUTAROU KOHIRA, TATUO FUCHIGAMI, YUKIHIKO FUJITA, HIDEO MUGISHIMA  
Department of Pediatrics and Child Health, Nihon University School of Medicine, Tokyo

### **P-136 A 7 year old girl of acute cerebellitis with postaseptic meningitis**

KEI KOMIYA\*, MASAKO HABU, TAKASI MITISITA, HISAMITU TAMAKI, MASAHIRO ITO  
Tokyo Metropolitan Bokutoh Hospital, Tokyo

### **P-137 A case of AERRPS in which epileptic seizures disappeared suffering from Pseudomonas aeruginosa**

GENKICHI IZUMI<sup>\*1</sup>, YUKITOSHI TAKAHASHI<sup>2</sup>  
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### **P-138 A case of acute encephalopathy associated with Human parechovirus 3**

TAKESHI TSUJI<sup>\*1</sup>, TOMOYA TAKEUCHI<sup>2</sup>, TORU KATO<sup>1</sup>, FUMIO HAYAKAWA<sup>1</sup>  
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### **P-139 A case of recurrent Tolosa-Hunt syndrome**

SEIICHIRO YOSHIOKA\*, KUMIKO MATSUWAKE, TOMOYUKI TAKANO, YOSHIHIRO TAKEUCHI  
Department of Pediatrics, Shiga University of Medical Science, Otsu

### **P-140 Mycoplasma pneumoniae related encephalopathy cases which suggested immune-mediated phenomenon**

TARO KITAMURA<sup>\*1</sup>, MASARU TAKAYANAGI<sup>1</sup>, TOSHIHIRO OHURA<sup>1</sup>, KATSUYA YAMAMOTO<sup>2</sup>  
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<sup>2</sup> Nankodai Yamamoto Children's Clinic, Sendai

## Involuntary Movement • Basal Ganglia 1

### **P-141 A case of 5-year-old boy with Segawa disease initially showed hand tremor (action dystonia)**

YUKI ARAKAWA<sup>\*1</sup>, KYOUKO HOSINO<sup>1</sup>, KOUHEI OSADA<sup>1</sup>, MICHIAKI NAGURA<sup>1</sup>, EIKO TAKADA<sup>1</sup>,  
MASAHARU HAYASHI<sup>2,3</sup>, HARUO SHINTAKU<sup>4</sup>, KAZUE KIMURA<sup>3</sup>, KEIICHI HACHIMORI<sup>3</sup>,  
YOSHIKO NOMURA<sup>3</sup>, MASAYA SEGAWA<sup>3</sup>, MASANORI TAMURA<sup>1</sup>  
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<sup>2</sup> Tokyo Metropolitan Institute for Neuroscience  
<sup>3</sup> Segawa Neurologic Clinic for Children  
<sup>4</sup> Osaka City University

### **P-142 Intrathecal Baclofen therapy for 8-year old ALD**

AKIKO KOYAMA<sup>\*1</sup>, SAYAKA OKUMURA<sup>1</sup>, HIROFUMI KASHII<sup>1</sup>, HIDEKI HOSHINO<sup>1</sup>,  
MASAYA KUBOTA<sup>1</sup>, NOBUHITO MOROTA<sup>2</sup>, SHINJI SAITO<sup>3</sup>  
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**P-143 An effective case of torticollis with botulinum toxin after rapture of arteriovenous malformations**

YUTAKA NONODA<sup>\*1</sup>, TOSHIYUKI IWASAKI<sup>1</sup>, NOZOMI HOSODA<sup>1,2</sup>, HIROYUKI SHIRAI<sup>1,3</sup>,  
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**P-144 Opsoclonus myoclonus ataxia syndrome associated with prolonged cerebellar ataxia**

KENTARO OKUNUSHI<sup>\*</sup>, KATUNORI FUJII, RYO TANABE, TADASHI SIOHAMA, MAIKO SUYAMA,  
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## **Developmental Disorders 12 (Health Checkup, Support)**

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

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

YUJI INABA<sup>\*1</sup>, TAEMI NIIMI<sup>1</sup>, TAKAFUMI NISHIMURA<sup>1</sup>, YUKA MISAWA<sup>1</sup>, TAKEFUMI ISHIDA<sup>1</sup>,  
TETSUHIRO FUKUYAMA<sup>1</sup>, TSUKASA HIGUCHI<sup>1</sup>, YOSHIKI TAKI<sup>2</sup>

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

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

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

TOMOKA YAMAMOTO<sup>\*1</sup>, SAEKO SAKAI<sup>2</sup>, ARIKA YOSHIZAKI<sup>1</sup>, AIKA TATSUMI<sup>1</sup>,  
KURIKO SHIMONO<sup>2</sup>, MASAYA TACHIBANA<sup>1</sup>, KUMI KATO<sup>3</sup>, IKUKO MOHRI<sup>1,2</sup>, MASAKO TANIIE<sup>1,2</sup>

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

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## Developmental Disorders 13 (Parent Training, Support)

### P-151 A trial for establishment of supporting system to developmental disorder in Fukui Prefecture

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### P-152 The role of child neurologist in the spot of special education

YUKIKO NAKAMURA\*<sup>1,2</sup>, MAKIKO SHIMAZAKI<sup>1</sup>, YUMIKO KOMATSU<sup>1</sup>, MAMI MIWA<sup>1</sup>,  
FUMIO BESSYO<sup>1</sup>, AKIRA OKA<sup>1</sup>, MEGUMI TANABE<sup>2</sup>, YOUKO TANAKA<sup>2</sup>

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### P-153 Proposal of the school children support system using ICF-CY and Cell phone

AKIO NAKAI\*<sup>1</sup>, YASUHIRO OGOSHI<sup>2</sup>, MASAO KAWATANI<sup>1</sup>, YOSHINORI MITSUHASI<sup>3</sup>

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### P-154 The effects of parent training program for parents of a child with developmental disorders

KAZUYO NOMURA\*<sup>1</sup>, MASAHIKO INOUE<sup>2</sup>, KOUSAKU OHNO<sup>3</sup>, YOSHIHIRO MAEGAKI<sup>3</sup>,  
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### P-155 The effect of parent training on behavior problems of children with attention deficit disorder

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### P-156 Effectiveness of Modified Parent Training for Mothers of Autistic children: The 2nd report

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TOMOKA YAMAMOTO<sup>1</sup>, ARIKA YOSIZAKI<sup>1</sup>, KUMI KATO<sup>3</sup>, MASAYA TACHIBANA<sup>1</sup>, EMI MURATA<sup>1</sup>,  
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## Developmental Disorders 14, Others

### P-157 Effectiveness of 5-day inpatient program to autistic children: Focusing on interpersonal relationship

SAEKO SAKAI\*<sup>1</sup>, TOMOKA YAMAMOTO<sup>2</sup>, ARIKA YOSIZAKI<sup>2</sup>, AIKA TATSUMI<sup>2</sup>,  
KURIKO SHIMONO<sup>1</sup>, MASAYA TACHIBANA<sup>2</sup>, IKUKO MOHRI<sup>1,2</sup>, MASAKO TANIKE<sup>1,2</sup>

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**P-158 The importance of cooperation between medical treatment and early intervention**

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KURIKO SHIMONO<sup>2</sup>, MASAYA TACHIBANA<sup>2</sup>, IKUKO MOHRI<sup>1,2</sup>, MASAKO TANIKE<sup>1,2</sup>

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**P-159 The effectiveness of psychological education using video feedback to a mother of an autistic child**

ARIKA YOSHIKAZAKI<sup>\*1</sup>, TOMOKA YAMAMOTO<sup>1</sup>, SAEKO SAKAI<sup>2</sup>, AIKA TATSUMI<sup>1</sup>,  
KURIKO SHIMONO<sup>2</sup>, MASAYA TACHIBANA<sup>1</sup>, IKUKO MOHRI<sup>1,2</sup>, MASAKO TANIKE<sup>1,2</sup>

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**P-160 A case of narcolepsy with spinal fluid protein dissociation**

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**P-161 Analysis of Patients who visited the child Mental Health division of Shimane University Hospital**

KAZUKO KISHI<sup>\*1</sup>, YURI UCHIDA<sup>1</sup>, JUN MINE<sup>1</sup>, HITOSHI SEJIMA<sup>2</sup>, SEIJI YAMAGUCHI<sup>1</sup>

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**P-162 A case of a child conversion disorder is suspected with Dystonia-like limb rigidity and dysarthria**

KEIKO KAMAYACHI<sup>\*1</sup>, MAKOTO KUWASHIMA<sup>1</sup>, KAZUHIRO MURAMATSU<sup>2</sup>, YOKO URANO<sup>2</sup>,  
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## **Epilepsy•Seizure Disorders 9 (Case Reports, Pathophysiology)**

**P-163 Two cases of epilepsy with Graves disease**

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**P-164 Clinical study of metabolic acidosis in benign convulsions with mild gastroenteritis**

TAKAHITO INOUE<sup>\*</sup>, YUKIKO IHARA, YUKO TOMONOH, HIROSHI IDEGUCHI, SAWA YASUMOTO,  
SHINICHI HIROSE

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**P-165 Homozygous missense mutation of SCN1B gene in a patient with Dravet syndrome**

IKUO OGIWARA<sup>\*1</sup>, TOJO NAKAYAMA<sup>1,2</sup>, MASAKI YOSHIMURA<sup>3</sup>, TATEKI FUJIWARA<sup>3</sup>,  
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**P-166 2 cases of X-linked lissencephaly with absent corpus callosum and abnormal genitalia (XLAG)**

TAKASHI ENOKIZONO<sup>\*</sup>, TATSUYUKI OHTO, RYUTA TANAKA, RYOU SUMAZAKI

The Department of Pediatrics, University of Tsukuba, Tsukuba

**P-167 A case report: DEND syndrome with early myoclonic encephalopathy**

SACHIE ITO\*, YUU SUZUKI, NAOKO TOMIZAWA, ASAKO ARAI, KEIKO SUZUKI,  
NAOHUMI MATSUOKA, SATORU UEDA, RYOJI UMEZU, SHIGETAKA SUGIHARA  
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**P-168 The research of the general knowledge about epilepsy targeted for clinics**

NOBUKO SUGIURA\*<sup>1,2</sup>, SATORU KONUKI<sup>3</sup>, KOUICHI HIRANO<sup>4</sup>, HIROSHI OZAWA<sup>1,5</sup>

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**P-169 Effective treatment with KBr to minor status epilepticus: a case report of Wolf-Hirschhorn syndrome**

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**P-170 Expressions of inflammatory cytokine in the rat hippocampus after status epilepticus**

SATORU SAKUMA\*<sup>1,2</sup>, TOSHIAKI YOKOI<sup>1</sup>, HIDEJI HATTORI<sup>1</sup>, OSAMU MATSUOKA<sup>1</sup>,

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## **Epilepsy•Seizure Disorders 10 (Treatment 3)**

**P-171 Trials of lamotrigine for intractable epilepsy**

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**P-172 Lamotrigine therapy for intractable epilepsy in childhood**

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AKIHITO ISHIDA

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**P-173 Efficacy of Lamotrigine in Childhood Intractable Epilepsy**

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**P-174 Concentration-Effect and Concentration-Toxicity Relations with Lamotrigine**

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**P-175 Effectiveness of Lamotrigine for the patients with problem behavior**

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**P-176 Ketogenic diet may control seizures by increasing the binding potential of benzodiazepine receptor**

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HIDEKI SHIMOMURA, KEIKO SAITOH, TATSUYA FUJII

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**P-177 WEB-Research for status Epilepticus in Japan**

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**P-178 Potassium bromide for childhood intractable epilepsy**

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## **Metabolic Disorders 5 (Pompe, Cockayne Syndrome, Leukodystrophy)**

**P-179 A case of juvenile type Pompe disease died with basilar artery dissection**

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**P-180 Efficacy of enzyme replacement therapy for respiratory failure in late-onset Pompe's disease**

TADASHI SHIOHAMA<sup>\*1</sup>, KATSUNORI FUJII<sup>1</sup>, MAIKO SUYAMA<sup>1</sup>, KATSUO SUGITA<sup>1</sup>, TOKIKO FUKUDA<sup>2</sup>,  
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**P-181 Long-term clinical course of a patient with phosphoglycerate kinase deficiency**

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**P-182 A Genotype modulator of clinical severity in McArdle's disease: Influence of ACE polymorphism**

MASAKO NAGASHIMA<sup>\*1</sup>, TOKIKO FUKUDA<sup>1</sup>, YOKO SUGIE<sup>2</sup>, MASATO MORI<sup>1</sup>,  
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**P-183 Accumulation of thymidine glycol in the brain of xeroderma pigmentosum group A and Cockayne syndrome**

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**P-184 Vascular changes in the brain of autopsy cases of Cockayne syndrome**

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**P-185 Urinary oxidative stress markers in patients with xeroderma pigmentosum and Cockayne syndrome**

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**P-186 Involuntary movements in twin cases of Cockayne syndrome type 3**

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**P-187 A patient with MLC due to 17-nucleotide deletion within the exon 5 of MLC1 gene**

HARUMI SAIJO<sup>\*1</sup>, TAKANORI EZOE<sup>1</sup>, YOSHIKO TAKEDA<sup>1</sup>, HIROSHI HAMAGUCHI<sup>1</sup>,  
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**P-188 An Infantile Case of Methylenetetrahydrofolate Reductase Deficiency with Progressive polyneuropathy**

MEGUMI TSUJI<sup>\*</sup>, YOSHIHIRO WATANABE, KIYOKO SAMESHIMA, TAKAHITO WADA, MIZUE IAI,  
SUMIMASA YAMASHITA, HITOSHI OSAKA

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**P-189 Re-evaluation of MCT8 deficiency as one of Pelizaeus-Merzbacher-Like diseases**

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## Metabolic Disorders 6 (Others)

**P-190 14-3-3 protein in the central nervous system: Part 1/ Molecular mechanisms of apoptotic signaling**

KATSUNORI FUJII<sup>\*</sup>, MAMIKO ENDO, HIDEKI UCHIKAWA, HIROMI MIZUOCHI, MAIKO SUYAMA,  
TADASHI SHIOHAMA, RYO TANABE, KATSUO SUGITA, YOICHI KOHNO

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**P-191 14-3-3 protein in the central nervous system: Part 2/ Molecular mechanisms of apoptotic signaling**

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TADASHI SHIOHAMA, RYO TANABE, KATSUO SUGITA, YOICHI KOHNO

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**P-192 14-3-3 proteins in the central nervous system: Part 3 Clinical implication in child neurology**

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TADASHI SHIOHAMA<sup>1</sup>, RYO TANABE<sup>1</sup>, TAKU OMATA<sup>2</sup>, YOSHITERU OHSONE<sup>3</sup>, KATSUO SUGITA<sup>1</sup>,  
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**P-193 14-3-3 proteins in the central nervous system: Part 4 Encephalitis and Mitochondria disorders**

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TADASHI SHIOHAMA, RYO TANABE, KATSUO SUGITA, YOICHI KOHNO

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**P-194 Steroid pulse therapy for late-onset OTC Deficiency found by hyperammonemic encephalopathy**

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**P-195 Two siblings with hereditary spastic paraplegia with thin corpus callosum**

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**P-196 Molybdenum cofactor deficiency in two siblings**

AKIRA TAMURA<sup>\*</sup>, NAOMI KIOKA, KOICHI MINAMI, NORISHIGE YOSHIKAWA

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**P-197 The case of the hypertensive encephalopathy with the familial hypercholesterolemia**

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## **Acute Encephalitis·Encephalopathy 10 (Status Epilepticus, Anti-glutamate Receptor)**

**P-198 Clinical course of acute encephalopathy with biphasic seizures and late reduced diffusion**

SHUMPEI UCHINO<sup>\*1,2</sup>, YOKO MIZUNO<sup>1</sup>, HIROYUKI IWASAKI<sup>1</sup>, KAN TAKAHASHI<sup>1</sup>, MAKIKO SAITO<sup>2</sup>,  
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Medicine, The University of Tokyo, Tokyo

**P-199 An acute encephalopathy with CPT2 gene mutation on a girl with past history of convulsive status**

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**P-200 Clinical Reye syndrome one year after the occurrence of AESD in a patient with tuberous sclerosis**

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**P-201 Two cases of Acute Encephalopathy with febrile convulsive status epilepticus**

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**P-202 Cyclosporine/Dextromethorphan therapy for acute encephalopathy following prolonged febrile seizures**

TOSHIYUKI MAEDA\*, MUNEAKI MATUO

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**P-203 Establishment of a new system for anti-GluR autoantibody and examination of the serum from patients**

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**P-204 A case of anti-glutamate receptor limbic encephalitis associated with ovarian cyst**

YOKO SHIMABUKURO<sup>\*1</sup>, MASAHARU OHFU<sup>1</sup>, TETSUHIRO SAKIHARA<sup>1</sup>, YUKITOSHI TAKAHASHI<sup>2</sup>

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**P-205 A case of autoantibody to encephalitis with glutamate receptor successfully treated by steroid pulse**

TETSUHIRO SAKIHARA<sup>\*1,2</sup>, MASAHARU OHFU<sup>1</sup>, YOKO SHIMABUKURO<sup>1</sup>, YUKITOSHI TAKAHASHI<sup>2</sup>

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**P-206 A case of Anti-NMDA Receptor Antibody-mediated acute limbic Encephalitis**

YUTAKA NEGISHI<sup>\*1</sup>, KIYO HAMAGUCHI<sup>1</sup>, SATORU KOBAYASHI<sup>2</sup>, NAOKI ANDO<sup>2</sup>,

TETSUYA ITO<sup>2</sup>, HAJIME TOGARI<sup>2</sup>, YUKITOSHI TAKAHASHI<sup>3</sup>

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## **Acute Encephalitis • Encephalopathy 11, Vascular Disease 1**

**P-207 A case of non-herpetic limbic encephalitis with abnormal signal lesion of cingulate gyrus on MRI**

KUMIKO MATSUWAKE\*, SEIICHIRO YOSHIOKA, TOMOYUKI TAKANO, YOSHIHIRO TAKEUCHI

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**P-208 Non-herpetic acute limbic encephalitis accompanied with refractory seizures and delirium**

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**P-209 Rye-like syndrome with PLEDs on electroencephalogram and marked liver dysfunction**

MIWAKO NAGASAKA\*, YUKO TAKAO, YURI MIYABE, YOU OKITUKA, NAOKI HASHIMOTO,

MASAMITU NISHINO

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**P-210 Clinical course and the days leading to a diagnosis of Acute Disseminated Encephalomyelitis**

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<sup>2</sup> Soga Pediatric Clinic, Chiba

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**P-211 Two cases of encephalitis with biphasic clinical course**

MIHO FUKUI<sup>\*1</sup>, SHUICHI SHIMAKAWA<sup>1</sup>, TAKUYA TANABE<sup>2</sup>, SHOHEI NOMURA<sup>1</sup>,

MITSURU KASHIWAGI<sup>2</sup>, HIROSHI TAMAI<sup>1</sup>

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**P-212 A case of idiopathic spinal epidural hematoma**

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**P-213 Clinical features of presumed perinatal ischemic stroke with hemiparesis**

HIROYUKI SATAKE<sup>\*</sup>, KEIJI SOEJUJANTO, KENJIRO GONDO

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**P-214 A neonate with agenesis of the left internal carotid artery and an congenital tonsillar tumor**

HIROKI KUBOTA<sup>\*1</sup>, TAMAMI YANO<sup>1</sup>, MIYUKI TOYONO<sup>1</sup>, YUKIO SAWAISHI<sup>2</sup>

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**P-215 Multiple stroke in a 2 years old boy with hepatitis and annular erythema**

TETSURO SAKAI<sup>\*1</sup>, DAISUKE IKUMA<sup>1</sup>, MASAYA HOSHINO<sup>1</sup>, HIROSHI NAKANO<sup>1</sup>,

HIDEO YAMANOUCHI<sup>1</sup>, AKIRA OHTAKE<sup>1</sup>, AKIRA KURAMOCHI<sup>2</sup>

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## **Infection • Autoimmune Disease 3**

**P-216 Improving of SPECT findings and clinical usefulness of TRH therapy for HHV6 encephalopathy**

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**P-217 Rapid expansion in cysts of encephalomalacia after neonatal herpes encephalitis: A case report**

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**P-218 A case of refractory pediatric-onset multiple sclerosis treated with cyclophosphamide therapy**

TAE IKEDA<sup>\*1</sup>, SYOKO IWATANI<sup>1</sup>, YUKIHIRO KITAI<sup>2</sup>, MASAYA TACHIBANA<sup>1,3</sup>, KOJI TOMINAGA<sup>1,3</sup>,  
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**P-219 Congenital Cytomegalovirus Infection Diagnosed in Neonatally: Report of Two Cases**

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**P-220 Successful treatment of valganciclovir in a case of congenital cytomegalovirus infection**

YU ISHIDA<sup>\*1,2</sup>, TASUKU MIYAJIMA<sup>1</sup>, MASARU SHIMURA<sup>1</sup>, SHINICHIRO MORICHI<sup>1</sup>,  
YASUYUKI MORISHIMA<sup>1</sup>, HIROAKI IOI<sup>2</sup>, SHINGO OANA<sup>1</sup>, GAKU YAMANAKA<sup>1</sup>,  
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**P-221 Clinical features of congenital cytomegalovirus infection as diagnosed by cord blood**

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**P-222 A case of bacterial meningitis accompanied with diffuse cortical laminar necrosis**

MIYUKI TOYONO<sup>\*1</sup>, TAMAMI YANO<sup>1</sup>, YASUHIRO WATANABE<sup>1</sup>, YUKIO SAWAISHI<sup>2</sup>, HIROMI KOIZUMI<sup>3</sup>

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**P-223 MR images of H. influenzae meningitis complicated bilateral severe hearing loss**

KOICHI HIRANO<sup>\*1</sup>, TERUHIKO SUZUKI<sup>1</sup>, YUUSAKU ENDOH<sup>1,2</sup>, TSAKESHI MIYAMOTO<sup>1,3</sup>,  
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**P-224 A case of plerent meningitis required to surgical treatment with artificial innerear**

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## Infection • Autoimmune Disease 4

### **P-225 A case of brain abscess treated by medical therapy**

KAZUO KUBOTA\*, TAKAHIDE TERAMOTO, YUSUKE AOKI, MICHINORI FUNATO, KENJI ORII,  
ZENICHIRO KATO, TOSHIYUKI FUKAO, NAOMI KONDO

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### **P-226 A case of chronic GVHD presenting with fasciitis, myositis, osteonecrosis and joint stiffness**

YUKIKO IHARA\*<sup>1</sup>, YUUKO TOMONOH<sup>1</sup>, HIROSHI IDEGUCHI<sup>1</sup>, TAKAHITO INOUE<sup>1</sup>,  
SAWA YASUMOTO<sup>1</sup>, JIROU INAGAKI<sup>2</sup>, YOSHIHISA NAGATOSHI<sup>2</sup>, SHINICHI HIROSE<sup>1</sup>

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### **P-227 A case of acute pancreatitis with hypertriglyceridemia in children with chronic brain death**

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### **P-228 Two cases of Neuroleptic Malignant Syndrome**

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### **P-229 Two cases report of phenobarbital-related drug-induced hypersensitivity syndrome (DIHS)**

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### **P-230 Clinical course and immunological study of a neurodegenerative Langerhans cell histiocytosis case**

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### **P-231 A case of autoimmune encephalitis that presented intractable involuntary movement**

TOMOTAKA ORITSU\*<sup>1</sup>, SHINICHIRO HAMANO<sup>1</sup>, MOTOYUKI MINAMITANI<sup>2</sup>, MANABU TANAKA<sup>1</sup>,  
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### **P-232 Bilateral striatal necrosis associated with Mycoplasma pneumoniae meningoencephalitis**

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**P-233 A Case of Drug-induced hypersensitivity syndrome due to Lamotrigine**

TATSUHARU SATO<sup>\*1</sup>, HIROYUKI MORIUTI<sup>1</sup>, TETUO MATUZAKA<sup>2</sup>, AKIRA TURU<sup>3</sup>, HIDEO KUNIBA<sup>1</sup>

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## **Congenital Anomaly • Chromosomal Abnormality 1**

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

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AYUMI ENDO, CHIKAKO ARAKAWA, RYUTARO KOHIRA, TATSUO FUCHIGAMI, HIDEO MUGISIMA  
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**P-235 Two cases with 8p monosomy and 9p trisomy manifesting with atypical benign partial epilepsy variant**

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TOSHIYUKI YAMAMOTO<sup>3</sup>, KEIKO OKUMURA<sup>4</sup>, HIROMI FUJIE<sup>5</sup>, MITSUGU UEMATSU<sup>2</sup>,  
HIROFUMI KOMAKI<sup>1</sup>, KENJI SUGAI<sup>1</sup>, MASAYUKI SASAKI<sup>1</sup>

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

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

ATSUO KIKUCHI<sup>\*1</sup>, NAOMI HINO-FUKUYO<sup>1</sup>, IKUKO SATOH<sup>2</sup>, KEISUKE WAKUSAWA<sup>2</sup>,  
MIEKO HIROSE<sup>1</sup>, MITSUGU UEMATSU<sup>1</sup>, NORIKO TOGASHI<sup>3</sup>, CHIEKO NARA<sup>1</sup>,  
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<sup>3</sup> Eko-Ryoikuen, Hospital Home for Children and Persons with Severe Motor and Intellectual Disabilities

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

SACHIKO KANDA<sup>\*1,2</sup>, MASAHARU HAYASHI<sup>3</sup>, SOU ATSUMI<sup>2</sup>, NAOYUKI TANUMA<sup>2</sup>,  
SATOKO KUMADA<sup>1,2</sup>, TOSHIYUKI YAMAMOTO<sup>4</sup>

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<sup>4</sup> Concierge of Chromosome & Genetics



**P-239 A girl of 3p-syndrome with angioblastoma in cerebellum**

NAOMI FUKUYO<sup>\*1</sup>, KAZUHIRO HAGINOYA<sup>1,2</sup>, TOSHIHIRO KUMABE<sup>3</sup>, MITSUGU UEMATSU<sup>1</sup>,  
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**P-240 Cerebellar vermis hypoplasia and del (3) (q22q25.3): a case report**

TOSHINO MOTOJIMA<sup>\*1,2</sup>, TAKU OMATA<sup>1</sup>, HIDEE ARAI<sup>1</sup>, YUZO TANABE<sup>1,3</sup>, RYO TANABE<sup>4</sup>

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## **Congenital Anomaly • Chromosomal Abnormality 2**

**P-241 A case of 1q43 deletion presenting microcephaly**

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**P-242 Jacobsen syndrome with periventricular heterotopia**

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Akita

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**P-243 Longitudinal MRA study revealed a blood stealing phenomenon in PHACE syndrome**

YOSUKE YAMADA<sup>\*</sup>, KATSUNORI FUJII, KEIKO ICHIMOTO, MAIKO SUYAMA, TADASHI SHIOHAMA,  
YOICHI KOHNO

Chiba University Graduate School of Medicine

**P-244 Severe hypokalemia causing fatal ECG abnormality in a patient with Costello syndrome**

MINOBU SHICHIJI<sup>\*1</sup>, SUSUMU ITOU<sup>1</sup>, MOTOKO OOTSUKA<sup>1</sup>, KENTAROU OKAMOTO<sup>1</sup>,  
MASAKO SAKAUCHI<sup>1</sup>, OSAMU SEGAWA<sup>2</sup>, MAKIKO OOSAWA<sup>1</sup>

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**P-245 A study on anomalies of Down syndrome patients**

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**P-246 Analysis of chromosomal structural aberrations using GD array**

YOSHINORI AIZU<sup>\*1</sup>, ISSEI IMOTO<sup>2</sup>, SIN HAYASHI<sup>2</sup>, JOHJI INAZAWA<sup>2</sup>

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**P-247 The clinical heterogeneity and its basic pathogenesis of holoprosencephaly**

MIKI SHIMIZU<sup>\*</sup>, KAZUHITO SEKIGUCHI, TOMOKI MAEDA, SEIGO KOREMATSU, TATSURO IZUMI

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**P-248 The neurological long term outcome and epileptic characterization in patients with Sotos syndrome**

ATSUKO MATSUZUKA<sup>\*1</sup>, TOMOKI MAEDA<sup>2</sup>, SEIGO KOREMATSU<sup>2</sup>, TATSURO IZUMI<sup>2</sup>

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## Genetics 3

**P-249 New Screening Method of Creatine Metabolic Disorders for Mental Retardation Patients**

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**P-250 Siblings of Xeroderma Pigmentosum group A with heterozygotes for the AlwNI and the MseI mutation**

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**P-251 A case of the pedigree with episodic ataxia type 2**

KOKI NIKAIDO<sup>\*1</sup>, NOBUTADA TACHI<sup>2</sup>, TAKAHIRO KATO<sup>1,3</sup>, RUMIKO TAKAYAMA<sup>1,4</sup>, TOSHIAKI DOI<sup>5</sup>,  
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**P-252 A case of von Hippel-Lindau disease associated with bilateral retinal hemangioblastomas**

RYO TANABE<sup>\*1,2</sup>, MAIKO SUYAMA<sup>1</sup>, TADASHI SHIOHAMA<sup>1</sup>, KATHUNORI FUJII<sup>1</sup>, TAKUMA ISHII<sup>3</sup>,  
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## Brain Tumor 1•Neurosurgery

**P-253 Tranilast is effective for plexiform neurofibroma: a case report**

IKUHIRO INAMI<sup>\*1</sup>, TAMAMI YANO<sup>3</sup>, YUKIO SAWAISHI<sup>2</sup>

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**P-254 Two cases of neuroblastoma only with ataxia**

AYAKO SHIMAO<sup>\*</sup>, YOSHIHISA HIGUCHI

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**P-255 An investigation of neurological complications of intracranial germ cell tumors**

KAZUSHI MIYA<sup>\*</sup>, KAZUHISA HONGOU, TOSHIO MIYAWAKI

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**P-256 A case of Gliomatosis cerebri manifesting partial seizure**

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**P-257 Successful control of sleep apnea after brainstem surgery by use of adaptive servo-ventilation**

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**P-258 Intracranial vascular anomaly with ventriculomegaly**

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**P-259 A case of subcutaneous CSF collection after ventriculopleural shunt placement with cystic fibrosis**

SHINSUKE MARUYAMA\*, CHIHIRO YONEE, MITSUO TOYOSHIMA, YOSHIFUMI KAWANO

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**P-260 Pediatric Neurotrauma by Abuse in Toyohashi Municipal Hospital**

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## **Developmental Disorders 15 (Examinations)**

**P-261 Effects of methylphenidate assessed by the Kiddie Continuous Performance Test**

YASUKO TSUSHIMA\*<sup>1,2</sup>, SATOSHI SANADA<sup>2</sup>, MASAFUMI YANAGIHARA<sup>2</sup>, SHIGERU OHNO<sup>3</sup>,  
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**P-262 Comparative study of PDD and AD/HD by the Keio version Wisconsin card sorting test**

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**P-263 The Characteristic of Children with Learning Disabilities by the DN-CAS**

NORIKO NAKASHIMA\*<sup>1</sup>, YUSHIRO YAMASHITA<sup>2</sup>, TOYOJIRO MATSUISHI<sup>2</sup>, MASUMI INAGAKI<sup>3</sup>

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**P-264 A new analysis of smooth pursuit in developmental disorder children**

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**P-265 Relation between the shape of pen-holding and handskill in the preschool-aged children**

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**P-266 A study of behavioral traits using PARS in a pediatric neurology unit**

EMI MURATA<sup>\*1</sup>, TOSHISABUROU NAGAI<sup>2</sup>, KOJI TOMINAGA<sup>3</sup>, KURIKO KAGITANI SHIMONO<sup>4</sup>,

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**P-267 Neural correlates for breaking stereotypes: An fMRI study**

KEISUKE WAKUSAWA<sup>\*1,2</sup>, HIROYUKI YOKOYAMA<sup>3</sup>, MIEKO HIROSE<sup>4</sup>, CHIEKO NARA<sup>4</sup>,

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## Neonates 1, Development 1

**P-268 A case of a neonate who was diagnosed as subarachnoid hemorrhage because of fever**

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**P-269 A case report of neonatal herpes encephalitis**

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**P-270 A neonatal case of cyclic vomiting syndrome**

MARIKO ARAKI<sup>\*</sup>, NAOMI MITSUDA, HISASHI TAKASUGI, TAKATOSHI HOSOKAWA,

MIKIYA HUIJEDA, HIROSHI WAKIGUCHI

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**P-271 Developmental Changes of Nocturnal Sleep Behaviors among Preterm infants over two years**

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**P-272 The Evaluation of mental state in Congenital Insensitivity to Pain with Anhidrosis**

KIMIKO SHIRAKAWA<sup>\*1</sup>, YUKO SUZUKI<sup>1</sup>, KENJI NIHEI<sup>1</sup>, YUTAKA AWAYA<sup>2</sup>

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**P-273 Developmental Evaluation of Infants discharged from Osaka baby nursery home**

TAKAKO MISAKI<sup>\*1,2</sup>, KENJI OWA<sup>1</sup>, YUTAKA SUEHIRO<sup>1,2</sup>

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## **Autonomic Nerves 1, Electrophysiology 1, Headache 1**

**P-274 Common pathophysiology for benign paroxysmal vertigo of childhood and orthostatic dysregulation**

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**P-275 A case of the hemiplegic migraine that sodium valprate was effective in EEG abnormality**

KATSUHIKO YAMAGUCHI<sup>\*1</sup>, MASARU TATSUNO<sup>2</sup>, KAZUO ITABASHI<sup>2</sup>

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**P-276 Validity of graphic headache diary for childhood headache**

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**P-277 A case of Munchausen Syndrome by Proxy: the usefulness of electroencepharogram for diagnosing**

REIMI TSURUSAWA<sup>\*1</sup>, HITOMI HAYASHI<sup>1</sup>, ATSUSHI ISHII<sup>1,2</sup>, ERI KAWATANI<sup>1</sup>, SHINICHI HIROSE<sup>2</sup>,  
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**P-278 Sleep spindles during early phase of acute encephalitis/encephalopathy in infants and children**

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**P-279 Dense-array EEG for epilepsy monitoring: advantage of multichannel data acquisition system**

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**P-280 Comparison of flash visual evoked potentials during awake and sleep states in children**

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