

Pe-021 English Poster Session 021**En**

May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Cerebrovascular disease (Cerebral Microangiopathy1)

Chair : Rie Saito

Department of Pathology, Brain Research Institute, Niigata University

Commentator : Akira Tsujino

Nagasaki University Hospital, Department of Neurology and
Strokology**Pe-021-1** 3D analysis of small vessels of patients with CADASIL and those heterozygous for HTRA1 mutations

Rie Saito

Department of Pathology, Brain Research Institute, Niigata University, Japan

Pe-021-2 Intimal hyperplasia of arterioles in the skin of patients with CADASIL

Akihiko Ueda

Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan

Pe-021-3 Clinical and imaging differences between CADASIL and CARASIL heterozygotes

Masahiro Uemura

Brain Research Institute (BRI), Niigata University, Japan

Pe-021-4 Autonomic Dysfunction and Small Vessel Disease in Vascular and Neurodegenerative Dementias

Yoshiki Hase

Neurovascular Research Group, Institute of Neuroscience, Newcastle University, Japan

- ★ **Pe-021-5** Lenticulostriate arteries and basal ganglia changes in CADASIL, a 7.0-T MRI study
(APe-01-2)
Chen Ling
Department of Neurology Peking University First Hospital, China

Pe-022 English Poster Session 022

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Cerebrovascular disease (basic research2)

Chair : Taizen Nakase
Department of Neurosurgery, Akita University
Commentator : Yoshiki Yagita
Department of Stroke Medicine

- Pe-022-1** Overexpression of Survivin in Ischemic Boundary Zone in Middle Cerebral Artery Occlusion Model

Yoshihide Sehara
Division of Genetic Therapeutics, Center for Molecular Medicine, Jichi Medical University, Japan

- Pe-022-2** Recapitulation of brain ischemia with human cerebral organoids

Tomo Shiota
Department of Neurology, Nara Medical University, Japan

- Pe-022-3** Dynamic analysis of protease-activated receptor using bioluminescence techniques

Tsutomu Sasaki
Department of Neurology, Osaka University Graduate School of Medicine, Japan

- Pe-022-4** Beta arrestin-2 in PAR-1 biased signaling has a crucial role in endothelial function

Hideaki Kanki
Department of Neurology, Graduate School of Medicine, Osaka University, Japan

- Pe-022-5** The Neuroprotective Effect of Proteasomes Inhibition in Intracerebral Hemorrhage Rats

Wei Fen Hu
Department of Medical Research, Buddhist Tzu Chi General Hospital, Taiwan

- Pe-022-6** Evaluation of atheroma progression on ApoE^{-/-} mice after inhibiting sphingolipids synthesis

Yu Z. Zemou
Peking University, China / Peking University First Hospital, China

Cerebrovascular disease (clinical research5)

Chair : Hiroshi Yamagami
Division of Stroke Care Unit

Commentator : Masaki Takao
Saitama International Medical Center, Saitama Medical University

Pe-023-1 withdrawn

Pe-023-2 The influence of arterial hypertension and diabetes mellitus on the carotid intima media thickness

Davaadulam Khutagbaatar
Reflex Clinic, Mongolia

Pe-023-3 Polycythemia Mimicking Venous Sinus Thrombosis in acute hemiplegia--Clinico-radiological correlation

Kittikun Lomwanawong
Chiang Mai Neurological Hospital, Thailand

Pe-023-4 Bilateral thalamic lesions associated with dural arteriovenous fistula: a case report

Jing Zhang
Peking University First Hospital, China

Pe-023-5 The association of white matter hyperintensity and functional outcomes in minor stroke and TIA

Yu-yuan Xu
Beijing Tiantan Hospital, Capital Medical University, China

Dementia (community based care)

Chair : Kazutomi Kanemaru
Department of Stroke, Tokyo Metropolitan Geriatric Hospital

Commentator : Yoshimi Takahashi
Haneda Clinic

Pe-024-1 Use of day services improved cognitive function in patients with Alzheimer's disease

Yasuyuki Honjo
Department of Memory Clinic, Miniren-daini-chou Hospital, Japan / Department of Memory Clinic, Biwako-Yoikuin Hospital, Japan / Department of Memory Clinic, Kyoto-Kaisei Hospital, Japan / Department of Memory Clinic, Seika-cho National health insurance Hospital, Japan

Pe-024-2 Training course of dementia for the general practitioner and internists in Fukui prefecture

Asako Ueno
University of Fukui Hospital, Japan

- Pe-024-3** Analysis Of Abused Demented Cases In Abuse Committee
Norimasa Mitsuma
Meitetsu Hospital Department of Neurology, Japan
- Pe-024-4** MODALITY-DRIVEN INTERVENTIONS FOR ELDERLY WITH
NEUROCOGNITIVE DISORDER DUE TO ALZHEIMER'S
DISEASE
Hanna Lu
Chinese University of Hong Kong, Hong Kong SAR, China
- Pe-024-5** Prevalence of Depressive Symptoms among Community-Dwelling
Filipino Elderly with MCI and Alzheimers
Justine Megan F. Yu
St Lukes Medical Center Quezon City, Philippines
- Pe-024-6** The association between social network and dementia in the
community dwelling elderly in Yamagata
Toshiyuki Kondo
Division of Neurology and Clinical Neuroscience, Department of Internal Medicine 3, Yamagata
University School of Medicine, Japan

Pe-025 English Poster Session 025

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May 23 (Thu) 17 : 50 ~ 19 : 05 Poster Session (Osaka International Convention Center 3F Event Hall)

Parkinsonism and Related disorders (early symptom)

Chair : Hirokazu Furuya
Department of Neurology, Kochi Medical School, Kochi University
Commentator : Fumio Kanda
Kusunoki Neurology Clinic

- Pe-025-1** Problems in early diagnosis of Parkinson's disease in relation to other
comorbidities
Tatsuo Ihara
Department of Neurology, Otaru General Hospital, Japan
- Pe-025-2** Depression and anhedonia separately correlate with clinical symptoms
in de novo Parkinson's disease
Hidetomo Murakami
Department of Neurology, The Jikei University School of Medicine, Japan
- Pe-025-3** Mild motor impairment and conversion to synucleinopathies in REM
sleep behavior disorder
Gohei Yamada
Department of Neurology, Nagoya City University Graduate School of Medical Science, Japan
- Pe-025-4** Patterns of non-motor symptoms in Parkinson's disease:
a cluster analysis
Yasushi Osaki
Department of Neurology, Kochi Medical School Hospital, Japan

Pe-025-5 Predicting factors that develop synucleinopathies from the iRBD cohort

Noriko Nishikawa

Department of Neurology, National Center Hospital of Neurology and Psychiatry, Japan

Pe-025-6 In vivo illustration of altered dopamine and GABA systems in early Parkinson's disease

Hirotsugu Takashima

First Department of Medicine, Hamamatsu University School of Medicine, Japan

Pe-026 English Poster Session 026

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May 23 (Thu) 17 : 50 ~ 19 : 05 Poster Session (Osaka International Convention Center 3F Event Hall)

Parkinsonism and Related disorders (Basic research2)

Chair : Tetsuya Maeda

Division of Neurology and Gerontology, Department of Internal Medicine,
School of Medicine, Iwate Medical University

Commentator : Kenya Nishioka

Juntendo University School of Medicine

Pe-026-1 Administration route is critical for the control of micturition reflex by Rotigotine in PD rat model

Takeya Kitta

Hokkaido University Department of Renal and Genitourinary Surgery, Japan

Pe-026-2 Insufficient oligodendroglial maturation explains neurodegeneration in Multiple System Atrophy

Seiji Kaji

Kyoto University Graduate School of Medicine, Dept of Neurology, Japan

Pe-026-3 Clinicopathologic study of two autopsied patients with CBD presenting PSP-like clinical features

Makoto Sainouchi

Department of Pathology, Brain Research Institute, Niigata University, Japan

Pe-026-4 Rapid dopaminergic neuron loss in fibril-inoculated mutant alpha-synuclein BAC transgenic mice

Shinya Okuda

Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-026-5 A53T mutant human alpha-synuclein BAC transgenic mice exhibited RBD-like behavior and hyposmia

Tomoyuki Taguchi

Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Parkinsonism and Related disorders (Clinical research6)

Chair : Hidemoto Saiki

Kitano Hospital, Tazuke Kofukai Medical Research Institute

Commentator : Yuichiro Shiota

The University of Tokyo Hospital

Pe-027-1 Effects of Multi-Session rTMS on Motor Control and Spontaneous Brain Activity in MSA: A Pilot Study

Zhu Liu

Beijing Tian Tan hospital, China

Pe-027-2 Clinical features of Progressive Supranuclear Palsy with severe pallido-nigro-lusian degeneration

Maya Mimuro

Institute for Medical Science of Aging, Aichi Medical University, Japan

Pe-027-3 The vagus nerve becomes smaller in patients with Parkinson's disease: an ultrasonographic study

Kazuto Tsukita

Department of neurology, Tenri Hospital, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-027-4 Characterization of defecation disorders in multiple system atrophy using Rome III criteria

Takayasu Mishima

Department of Neurology, Fukuoka University, Japan

Pe-027-5 An unusual presentation of stiff-person syndrome

Weerawat Saengphatrachai

Division of Neurology, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand

Pe-027-6 Characteristics of leg tremors in primary orthostatic tremor and Parkinson's disease

Jun Tashiro

Sapporo Parkinson MS Neurological Clinic, Japan

Motor Neuron Disease (basic research2)

Chair : Tomoya Terashima

Shiga University of Medical Science, Department of Stem Cell Biology and Regenerative Medicine

Commentator : Hitoshi Warita

Department of Neurology, Tohoku University Hospital

Pe-028-1 BMP4, a bone morphogenetic protein, accelerates disease progression of amyotrophic lateral sclerosis

Tomomi Shijo

Department of Neurology, Tohoku University, Japan

Pe-028-2 Macrophage galectin-3 in spinal white matter is a key molecule for motor neuron degeneration in ALS

Shintaro Hayashi

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan / Department of Neurology, Gunma Rehabilitation Hospital, Japan

Pe-028-3 Isolation of defined spinal motoneuron for profiling gene expression

Noriko Isoo

Department of Physiology, Teikyo University School of Medicine, Japan

Pe-028-4 Downregulation of Cx36-made electrical synapses without glutamatergic axon terminals in ALS

Yuko Kobayakawa

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

Pe-028-5 Transplantation therapy of bone marrow-derived M2 microglia-like cells on ALS model mice

Shuhei Kobashi

Division of Neurology, Department of Medicine, Shiga University of Medical Science, Japan / Department of Stem Cell Biology and Regenerative medicine, Shiga University of Medical Science, Japan

Motor Neuron Disease (SBMA)

Chair : Manabu Doyu

Department of Neurology, Aichi Medical University School of Medicine

Commentator : Atsushi Hashizume

Nagoya University Graduate School of Medicine, Department of Neurology

Pe-029-1 Development of symptomatic therapy for cold paresis in spinal and bulbar muscular atrophy

Shinichiro Yamada

Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-029-2 Body composition in spinal and bulbar muscular atrophy

Yasuhiro Hijikata

Department of Neurology, Nagoya University, Japan

Pe-029-3 Swallowing sound analysis to estimate swallowing dysfunction in spinal and bulbar muscular atrophy

Atsushi Hashizume

Department of Neurology, Nagoya University Graduate School of Medicine, Japan

★ Pe-029-4 A Rapid Molecular Diagnostic Method for Spinal Muscular Atrophy

(APe-01-3) Kai Chen Wang

Cheng Hsin General Hospital, Taipei, Taiwan

Pe-030 English Poster Session 030

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Motor Neuron Disease (SMA2)

Chair : Hiroaki Adachi

Department of Neurology, University of Occupational and Environmental Health School of Medicine

Commentator : Yohei Iguchi

Department of Neurology, Nagoya University, Japan

★ Pe-030-1 An HCN channel inhibitor benefits a mouse model of spinal muscular atrophy

(APe-01-6)

Likai Tsai

National Taiwan University Hospital, Taiwan

Pe-030-2 Efficacy evaluation of nusinersen in an adult spinal muscular atrophy case by peripheral blood mRNA

Tomohiko Ishihara

Molecular Neuroscience, Brain Research Institute, Niigata University, Japan / Neurology, Brain Research Institute, Niigata University, Japan

Pe-030-3 Src inhibition attenuates neuromuscular degeneration in spinal and bulbar muscular atrophy

Madoka Iida

Nagoya Univ. Graduate school of Med. Department of Neurology, Japan / Research Fellow of Japan Society for the Promotion of Science, RPD, Japan

Pe-030-4 Potential proinflammatory cascade in the pathophysiology of SBMA

Kentaro Sahashi

Nagoya University, Department of Neurology, Japan

Cerebellar ataxia and others (hereditary SCD)

Chair : Eiichiro Nagata

Department of Neurology, Tokai University School of Medicine

Commentator : Yuji Saitoh

Department of Neurology, National Center of Neurology and
Psychiatry (NCNP)

- Pe-031-1** Spinocerebellar degeneration in Minami-Boso area
--- A hospital-based inductive analysis

Hidehiro Shibayama

Department of Neurology, Kameda Medical Center, Japan

- Pe-031-2** Statistical models for precise prognosis prediction of gait function in
patients with SCA6 and SCA31

Akira Matsushima

JA Nagano Koseiren Kekeyu-Misayama Rehabilitation Center Kekeyu Hospital, Japan

- Pe-031-3** Clinical features of Kinesins superfamily proteins related multiple
system neurodegeneration

Katsuya Nakamura

Center for Medical Genetics, Shinshu University Hospital, Japan / Shinshu University School of
Medicine, Japan

- Pe-031-4** Exploration of Evaluation Tool for ADL by Historical Review in
Hereditary SCD Patients

Shinji Oda

Department of Neurology, National Center Hospital, National Center of Neurology and
Psychiatry, Japan

- Pe-031-5** Disruption of human KV4.3 channel biosynthesis and gating by
SCA19/22-associated mutations

Cheng-tsung Hsiao

Department of Internal Medicine, Taipei Veterans General Hospital Taoyuan Branch, Taiwan
/ Graduate Institute of Physiology, National Taiwan University, Taiwan**Cerebellar ataxia and others (MSA2)**

Chair : Yuji Takahashi

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

Commentator : Kazunori Nanri

Department of Neurology, Sasa general hospital

- Pe-032-1** Bladder dysfunction as the initial presentation of MSA:
a prospective cohort study

Ryuji Sakakibara

Neurology, Internal Medicine, Sakura Medical Center, Toho University, Japan

Pe-032-2 Clinical trends of multiple system atrophy over 40 years in a Japanese autopsy cohort

Takashi Ando

Department of Neurology, Nagoya University Graduate School of Medicine, Japan / Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Japan

Pe-032-3 Relationship between sleep apnea syndrome and orthostatic hypotension in multiple system atrophy

Masayuki Miyazaki

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Tokyo, Japan

Pe-032-4 Cognitive dysfunction in Multiple System Atrophy-C

Han Jeong Ho

Veterans Health Service Medical Center, Korea

Pe-032-5 A study on cause of death of Multiple System Atrophy using the registry data: HoRC-MSA project

Masaaki Matsushima

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan

Pe-032-6 Quantitative evaluation of gait ataxia of Multiple System Atrophy patients

Chika Sato

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan

Pe-033 English Poster Session 033

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Neuroimmunology (MS and Clinical research2)

Chair : Sachiko Miyake

Department of Immunology, Juntendo University Graduate School of Medicine

Commentator : Su Jen Jen

National Taiwan University Hospital

Pe-033-1 Serum hypercomplementemia in patients with MOG-IgG-associated CNS and AQP4-IgG-related CNS syndromes

Ryohei Ohtani

Department of Neurology, Graduate School of Medicine, Chiba University, Japan

Pe-033-2 Th1 cell frequency is an accurate predictor of responders to plasmapheresis in multiple sclerosis

Kimitoshi Kimura

Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-033-3 Peripheral blood lymphocyte subset of fimoligod or dimethyl fumarate in multiple sclerosis patients

Yuko Shimizu

Department of Neurology Tokyo Women's Medical University School of Medicine, Japan

Pe-033-4 Efficacy of dimethyl fumarate in multiple sclerosis using oxidative stress markers

Shuhei Nishiyama

Department of neurology, Tohoku University school of medicine, Japan

Pe-033-5 Clinical course in Japanese multiple sclerosis patients treated with glatiramer acetate (2nd report)

Tomoko Okamoto

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

Pe-034 English Poster Session 034

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Neuroimmunology (Basic research2)

Chair : Hikoaki Fukaura

Saitama Medical Center, Saitama Medical University

Commentator : Ikuo Tsunoda

Department of Microbiology, Kindai University Faculty of Medicine

Pe-034-1 Glatiramer acetate is safe for a virus-induced demyelinating disease model

Fumitaka Sato

Kindai University Faculty of Medicine, Japan

Pe-034-2 The modulation of IL-17 and IL-10 balance in CD4 T cells through thyroid hormone signaling

Yoshimitsu Doi

National Center of Neurology and Psychiatry, Japan / Department of Internal Medicine (IV), Osaka Medical College, Japan

Pe-034-3 The effect of amantadine for experimental autoimmune encephalomyelitis

Yuta Fukumoto

Department of Neurology, Kindai University, Faculty of medicine, Japan

Pe-034-4 Identification of targeted membrane antigens of human brain microvascular endothelial cells in RRMS

Susumu Fujikawa

Department of Neurology and Clinical Neuroscience Yamaguchi University School of Medicine, Japan

Pe-034-5 TRPV4 Channel mediate thermal sensing in T cells: Novel environmental evidence of multiple sclerosis

Makoto Kinoshita

Osaka University Graduate School of Medicine, Department of Neurology, Japan

Neuroimmunology (Clinical research4)

Chair : Yuji Nakatsuji

Department of Neurology, Toyama University Hospital

Commentator : Yoichiro Nishida

Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University

Pe-035-1 Brain atrophy is associated with higher serum amyloid A levels in patients with multiple sclerosis

Hiroaki Yokote

Department of Neurology, Nitobe Memorial Nakano General Hospital, Japan / Department of Neurology and Neurological Sciences, Tokyo Medical and Dental University, Japan

Pe-035-2 Fingolimod-induced bradycardia can predict subsequent decreasing degree of lymphocytes

Tokunori Ikeda

Department of Clinical Investigation, Kumamoto University Hospital, Japan / Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan

Pe-035-3 Analysis of cerebellar symptoms in the CNS autoimmune disorders

Takahiro Wakasugi

Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-035-4 The Value of VEP (Visual Evoked Potential) in Diagnosing MS (Multiple Sclerosis)

Peng Sun

Peking University, Peking University First Hospital, China

Pe-035-5 Increase of Mycobacterium avium subsp Paratuberculosis (MAP) antibody in Multiple Sclerosis

Noriko Isobe

Department of Neurological Therapeutics, Kyushu University, Japan

Myopathy (Miscellaneous1)

Chair : Yukiko Hayashi

Department of Pathophysiology, Tokyo Medical University

Commentator : Akatsuki Kubota

Department of Neurology, The University of Tokyo

Pe-036-1 High ratio of serum aldolase to creatine kinase levels in antisynthetase syndrome

Kenichiro Taira

Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

- Pe-036-2** MELAS patients without ragged red fibers:
pitfalls in the initial diagnosis
Yuanyuan Lu
Pecking University First Hospital, China / Xuanwu Hospital Capital Medical University, China
- Pe-036-3** Morphological observations of mitochondrial networks in myopathies
Takamura Nagasaka
Dept. of Neurology, Faculty of Medicine, Univ. of Yamanashi, Japan
- Pe-036-4** McArdle disease caused by PYGM gene compound heterozygous
pathogenic variants
Yuan Gao
Division of Neurology, Department of Medicine, Queen Mary Hospital, The University of Hong
Kong, China
- Pe-036-5** Rapamycin treatment reduced protein aggregates in the myofibers of
the mutant MATR3 transgenic mice
Kentaro Hara
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan

Pe-037 English Poster Session 037

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Myopathy (Miscellaneous2)

Chair : Toshio Saito
Division of Child Neurology, Department of Neurology, National Hospital
Organization Osaka Toneyama Medical Center
Commentator : Masayuki Nakamori
Department of Neurology, Osaka University Graduate School of
Medicine

- Pe-037-1** Five Chinese patients with mitochondrial diseases caused by POLG
mutations
Xutong Zhao
Department of Neurology, Peking University First Hospital, China
- Pe-037-2** The RESTORE Registry: A Resource for Measuring and Improving
Spinal Muscular Atrophy (SMA) Outcomes
Marcus Droege
AveXis, Inc., USA
- Pe-037-3** A mutation of filamin-c causing myofibrillar myopathy with lower
motor neuron syndrome
Chen Juanjuan
Peking University Shenzhen Hospital, China
- Pe-037-4** The optimized core peptide of the myostatin prodomain:
implications for muscle atrophy
Yutaka Ohsawa
Department of Neurology, Kawasaki Medical School, Japan

Pe-037-5 A case of Periodic Paralysis with Hypo and Hyperkalemic characteristics

Yosuke Kokunai

Department of Neurology, Minoh City Hospital, Osaka, Japan / Institut du Cerveau et de la Moelle épinière, Sorbonne Universités, Paris, France

Pe-038 English Poster Session 038**En**

May 23 (Thu) 17 : 50 ~ 19 : 05 Poster Session (Osaka International Convention Center 3F Event Hall)

Peripheral neuropathy (GBS • FS2)

Chair : Michiaki Koga

Yamaguchi University Graduate School of Medicine

Commentator : Jong Kuk Kim

Department of Neurology, Dong-A University Medical Center,
Busan, Korea/ Peripheral Neuropathy Research Center, Dong-A
University College of Medicine, Busan, Korea

Pe-038-1 Peripheral nerve involvement in Bickerstaff brainstem encephalitis

Junko Ishii

Department of Neurology, Kobe City Medical Center General Hospital, Japan

Pe-038-2 Seasonal Variation of Guillain Barre Syndrome in a Tertiary Care Hospital

Raja Zaigham Z. Abbas

king edward medical university, Pakistan / pakistan society of neurology, Pakistan / movement disorder society of pakistan, Pakistan

Pe-038-3 Alpha-Tocopherol Ameliorate Experimental Autoimmune Neuritis

Hideo Kihara

Department of Neurology, Toho University Ohashi Medical Center, Tokyo, Japan

Pe-038-4 Guillain-Barre Syndrome following Malaria Plasmodium falciparum - a rare neurological complication

Kim Lim Koo

Penang General Hospital, Malaysia

Pe-039 English Poster Session 039**En**

May 23 (Thu) 17 : 50 ~ 19 : 05 Poster Session (Osaka International Convention Center 3F Event Hall)

Metabolic disorders (Clinical research3)

Chair : Takayuki Katayama

Department of Neurology, Asahikawa Medical University Hospital

Commentator : Hiroshi Doi

Department of Neurology and Stroke Medicine, Yokohama City
University School of Medicine

Pe-039-1 Peri-insular sign: An MRI finding on acute fulminant hyperammonemia caused by a urea cycle disorder

Susumu Igarashi

Department of Neurology, Yokosuka Kyosai Hospital, Kanazawa, Japan

Pe-039-2 PLA2G6-associated neurodegeneration with eye-of-the-tiger sign on MRI in siblings

Shigeru Koyano

Department of Neurology, Yokohama Minami Kyousai Hospital, Japan / Department of Neurology, Yokohama City University, Japan

Pe-039-3 Diagnostic utility of magnetic resonance imaging and angiography in patients with Fabry disease

Jun Sawada

Division of Cardiology, Nephrology, Pulmonology, and Neurology, Department of Internal Medicine, Asahikawa Medical University, Japan

Pe-039-4 Clinical and Radiographic Characterization of Cerebrotendinous Xanthomatosis (CTX)

Yaz Y. Kisanuki

The Ohio State University Wexner Medical Center, Department of Neurology, USA

Pe-039-5 Non-invasive diagnosis of mitochondrial disease by measuring tRNA-derived nucleoside in urine

Tetsuya Watanabe

Department of Molecular Physiology, Faculty of Life Sciences, Kumamoto University, Japan / Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan

Pe-040 English Poster Session 040

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Epilepsy (Clinical research)

Chair : Naoki Akamatsu

International University of Health and Welfare, Department of Neurology

Commentator : Masako Kinoshita

Department of Neurology, Utano National Hospital, National Hospital Organization

Pe-040-1 Little progression of EEG abnormality in genetically proven benign adult familial myoclonus epilepsy

Takefumi Hitomi

Department of Clinical Laboratory Medicine, Kyoto University Graduate School of Medicine, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-040-2 Epileptic slow in scalp EEG or red slow: a new concept in clinical EEG by means of wide-band EEG

Miwa Takatani

Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-040-3 Stigma on epileptic patient attending Soba University Hospital clinic and (NCNS) Khartoum, Sudan

Shahd M. Mohammed Zain

University of Khartoum, Sudan

Pe-040-4 De novo CACNA1G mutations in neurodevelopmental disorders

Misako Kunii

Department of Neurology and Stroke Medicine, Yokohama City University, Japan

Pe-040-5 A Case of a 66-year old male with Neurologic Behcet Syndrome Presenting as Status Epilepticus

Marianne M. Baltazar
St. Luke's Medical Center, Philippines

Pe-040-6 Longitudinal change of EEG biomarker associates with post-stroke aphasia recovery

Teiji Kawano
Neurorehabilitation Research Institute, Morinomiya Hospital, Osaka, Japan / Department of Neurology, Osaka University Graduate School of Medicine, Osaka, Japan / Rhythm-based Brain Information Processing Unit, RIKEN CBS-TOYOTA Collaboration Center, RIKEN Center for Brain Science, Saitama, Japan

Pe-041 English Poster Session 041

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May 23 (Thu) 17:50 ~ 19:05 Poster Session (Osaka International Convention Center 3F Event Hall)

Epilepsy (Basic research)

Chair : Tomoko Toyota
University of Occupational and Environmental Health School of Medicine

Commentator : Hiroyuki Ishiura
Department of Neurology, The University of Tokyo

Pe-041-1 Glutamate and GABA release in Lgil mutant rats susceptible to audiogenic seizures

Masato Kinboshi
Laboratory of Pharmacology, Osaka University of Pharmaceutical Sciences, Japan / Department of Neurology, Wakayama Medical University, Japan / Department of Epilepsy, Movement Disorders and Physiology, Graduate School of Medicine, Kyoto University, Japan

Pe-041-2 Ictal DC shifts precede neuronal activity in chronic epilepsy model;evidence of active DC shifts

Kazuaki Sato
Department of Pharmacology, Osaka University of Pharmaceutical Sciences, Japan / Department of Epilepsy, Movement Disorders and Physiology Kyoto University Graduate School of Medicine, Japan

Pe-041-3 Modulation and role of brain neurotransmitters in pilocarpine-induced seizures in the rat

Nitin Kumar
Vivekananda Global University, India

Pe-041-4 Modeling BAFME by differentiation of patient-derived iPSCs into neurons

Yuki Nagasako
Department of Neurology, The University of Tokyo, Tokyo, Japan / Department of Physiology, Keio University School of Medicine, Tokyo, Japan

Clinical Neurophysiology (Clinical research3)

Chair : Takayuki Taniwaki

Division of Respiriology, Neurology and Rheumatology, Department of
Medicine, Kurume University School of Medicine

Commentator : Katsuya Ogata

Department of Speech and Hearing Sciences, School of Health
Sciences at Fukuoka, International University of Health and Welfare**Pe-042-1 Hypokalemic paralysis with reversible electrophysiologic abnormalities: a case report and review**

Katrina Hannah D. Ignacio

Department of Neurosciences; College of Medicine and Philippine General Hospital University
of the Philippines Manila, Philippines**Pe-042-2 Diagnosis of C8 radiculopathy by magnetospinogram**

Miho Akaza

Respiratory and Nervous System Science, Biomedical Laboratory Science, Graduate School of
Medical and Dental Sciences, Tokyo Medical and Dental University, Tokyo, Japan**★ Pe-042-3 Aberrant amygdala activation to pain-elicited fear processing in patients with fibromyalgia**

(APe-01-4)

Fu-jung Hsiao

Brain Research Center, National Yang-Ming University, Taiwan

Pe-042-4 Resting state functional MRI during dyspnea induced by effort breath

Akiko Yorita

Kurume University School of Medicine, Division of Respiriology, Neurology, and Rheumatology,
Department of Internal Medicine, Japan**Pe-042-5 Motor potentials evoked by navigated transcranial magnetic stimulation in healthy subjects**

Meige Liu

Department of Neurology, Peaking University People's Hospital, China

Pe-042-6 Phenotype-genotype association in BAFME: EEG findings vs. repeat length

Maya Tojima

Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Cognitive dysfunction (neuropsychology)

Chair : Ichiro Miyai

Neurorehabilitation Research Institute, Morinomiya Hospital

Commentator : Mika Otsuki

Graduate School of Health Sciences, Hokkaido University

Pe-043-1 Precipitating factors associated with accelerated long-term forgetting in temporal lobe epilepsy

Takahiko Mukaino

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

Pe-043-2 Aripiprazole improves verbal and emotional functions in a patient with the atypical Rett syndrome

Kenji Orimoto

Department of General Medicine, Fureai Higashi-totsuka Hospital, Japan

Pe-043-3 Eye-voice coordination in neurological patients presenting with reading difficulty

Yasuo Terao

Department of Cell Physiology, Kyorin University, Japan

Pe-043-4 Complementary alternative remedies for diabetes and associated psychoneurological deficits

Saara Ahmad Muddasir Khan

The Aga Khan University Hospital, Karachi, Pakistan

Pe-043-5 Effect of Propionic acid on hippocampus-dependent memory and hippocampus ultrastructure in rats

Giorgi Lobzhanidze

Ilia State University, Georgia / Ivane Beritashvili Center Of Experimental Biomedicine, Georgia

Pe-043-6 EFFECT OF NADOLOL INJECTED PRIOR TO CRH ON STRESS-INDUCED PLASMA CORTICOSTERONE LEVEL IN RAT

Nino N. Pochkhidze

Ilia State University, Georgia / I. Beritashvili center of Experimental Biomedicine, Georgia

Miscellaneous (Clinical research5)

Chair : Jin Nakahara

Department of Neurology, Keio University School of Medicine

Commentator : Noriaki Hattori

Department of Neurology, Osaka University Graduate School of
Medicine**Pe-044-1** The dendrites of granular cell layer cell neurons in the "brain diabetes" rat

Shozo Kito

Shonan Hospital, Japan

Pe-044-2 A novel antisense oligonucleotide therapy by overhanging heteroduplex oligonucleotide targeting CNS

Kotaro Yoshioka

Department of Neurology and Neurological Science, Tokyo Medical and Dental University,
Japan**Pe-044-3** Optogenetic activation of neural and astrocytic control of vasodilation in the mouse cortex

Yutaka Tomita

Department of Neurology, Keio University School of Medicine, Tokyo, Japan / Tomita Hospital,
Aichi, Japan**Pe-044-4** tandem-genotypes: robust detection method for tandem repeat expansions from long DNA read

Satomi Mitsuhashi

Department of Human Genetics Yokohama City University Graduate School of Medicine, Japan

Pe-044-5 Size fractionation-enrichment of target genomic regions and application for long-read sequencing

Shota Shibata

Department of Neurology, The University of Tokyo Hospital, Japan

Pe-044-6 Human cerebral organoids recapitulate brain formation and genetic developmental disorders

Takeshi K. Matsui

Department of Neurology, Nara Medical University, Japan