

**Pe-001 English Poster Session 001****En**

May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

**Cerebrovascular Disease (Clinical Research) 1**

Chairs : Teruyuki Hirano

Department of Stroke and Cerebrovascular Medicine, Kyorin University

Ryota Tanaka

Stroke Center and Division of Neurology, Department of Medicine, Jichi Medical University

**Pe-001-1 Clinical Profile and Outcomes of ICH among CKD Patients in a National Kidney Center in the Phils**

Judy Q. Opao

National Kidney and Transplant Institute, Philippines

**Pe-001-2 Clinical Profile and Management of Aneurysmal Subarachnoid Hemorrhage in a Philippine Hospital**

Miguela Marie A. Seña

The Medical City, Philippines

**Pe-001-3 Longitudinal international comparison of age adjusted mortality from cerebrovascular diseases**

Tomoko Kawashima

Department of International Health and Collaboration, National Institute of Public Health, Japan

**Pe-001-4** Intravenous thrombolysis for acute ischemic stroke in the group aged  $\geq 90$  years

Keiko Hatano

Department of Neurology, Tokyo Metropolitan Geriatric Hospital, Japan

**Pe-001-5** POSTPARTUM CEREBRAL ANGIOPATHY: DIVERSE PRESENTATIONS AND OUTCOMES

Shiran A. Paranavitane

Institute of Neurology, National Hospital of Sri Lanka, Sri Lanka

**Pe-001-6** CEREBRAL VENOUS SINUS THROMBOSIS IN AN 84 YEAR OLD FILIPINO PRESENTING WITH DIPLOPIA: A CASE REPORT

Abegail Marie S. Yangyang

Perpetual Succour Hospital, Philippines

**Pe-002** English Poster Session 002

En

May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

**Dementia (Clinical Research) 2**

Chairs : Masaki Ikeda

Division of General Education (Neurology), Faculty of Health & Medical Care,  
Saitama Medical University

Hideaki Wakita

Department of Internal Medicine, Nanakuri Memorial Hospital, Fujita Health  
University

**Pe-002-1** Improvement of a questionnaire for detecting dementia in patients with adult Down syndrome

Makiko Shinomoto

Department of Neurology, Kyoto prefectural university of medicine, Japan

**Pe-002-2** Pharmacokinetic/pharmacodynamic profiles from aducanumab studies: Analysis from a Japanese subgroup

Junichi Yamamoto

Biogen Japan Ltd, Japan

**Pe-002-3** Longitudinal changes in  $^{18}\text{F}$ -FDG uptake in two elderly patients with Alzheimer's disease

Kenji Ishbashi

Neuroimaging, Tokyo Metropolitan Institute of Gerontology, Japan

**Pe-002-4** The primary injured site of Alzheimer disease is the hippocampal granular cell layer

Shozo Kito

Yamakita central Clinic, Japan

**Dementia (Basic Research) 1**

Chairs : Atsushi Nagai

Internal Medicine III, Shimane University Faculty of Medicine

Koki Makioka

Neurology; Gunma University Hospital

**Pe-003-1 A Novel Heterozygous Missense Variant in the CIAO1 Gene in a Family with Alzheimer's Disease**

Haitian Nan

Depart of Neurology University of Yamanashi, Japan

**Pe-003-2 Immunolocalization of ATG9A in dystrophic neurites in Alzheimer's disease**

Hiroo Kasahara

Department of Neurology Gunma University Graduate School of Medicine, Japan

**Pe-003-3 Lack of inhibitory Alzheimer's disease-associated CD33 signaling causes inflammatory reactions**

Ichiro Nozaki

Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan / Institute of Reconstructive Neurobiology, University of Bonn Medical Faculty and University Hospital Bonn

**Pe-003-4 Targeted lipidomic analysis of serum in an Alzheimer's disease model mouse**

Naoki Omori

Shimane University, Japan / Department of Neurology, Faculty of Medicine, Japan

**Pe-003-5 Synaptic vesicle protein 2B links aging, synapse and amyloid beta in Alzheimer's disease**

Mizuki Matsumoto

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

**Dementia (Basic Research) 2**

Chairs : Hiroshi Yamashita

Hiroshima City Asa Citizens Hospital

Shinichiro Nakamura

Department of Neurology, Koshigaya Municipal hHospital

**Pe-004-1 Most families tend to realize progress of AD when BPSDs are obvious**

Yasuyuki Honjo

Department of Memory Clinic, Kyoto Miniren Asukai Hospital, Japan / Department of Memory Clinic, Kyoto-Kaisei Hospital, Japan / Department of Memory Clinic, Seika-town National health insurance Hospital, Japan

**Pe-004-2** Following outcomes of hospitalized neurological patients due to abuse  
Norimasa Mitsuma  
Department of Neurology, Meitetsu Hospital, Japan

**Pe-004-3** Patient outcomes at our memory clinic  
Takayuki Katayama  
Department of Neurology, Asahikawa City Hospital, Japan

**Pe-004-4** COGNITIVE IMPAIRMENT OF ELDERLY IN DALANZADGAD SOUM, UMNUGOVI AIMAG  
Bolortsetseg Boloroo  
United hospital of Umnugobi Mongolia, Mongolia

**Pe-004-5** Association between constipation and progression of Alzheimer's disease  
Taizen Nakase  
Smart Aging Research Center, Tohoku University, Japan / Department of Aging Research & Geriatric Medicine, IDAC, Tohoku University, Japan

**Pe-005 English Poster Session 005**

**En**

May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

**Parkinsonism and Related disorders (Basic Research) 1**

Chairs : Noriyuki Matsukawa  
Department of Neurology, Nagoya City University  
Hirofumi Maruyama  
Hiroshima University

**Pe-005-1** Region-specific astrocyte-microglia interaction promotes rotenone-induced dopaminergic neurotoxicity  
Ikuko Miyazaki  
Dept. of Med. Neurobiol., Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceut. Sci., Japan

**Pe-005-2** Promotion of protein aggregation by Mclxin, an inhibitor of mitochondrial MIC60  
Mitsuhiro Kitagawa  
Department of Neurology, Juntendo University, School of Medicine, Japan

**Pe-005-3** Clearance of the protein aggregates by chemical autophagy inducers  
Tomoki Takei  
Department of Neurology, Juntendo University, School of Medicine, Japan

**Pe-005-4** Evaluation of efficacy of new therapeutic compounds for Parkinson's disease focused on autophagy  
Tomohiro Ishimaru  
Department of Neurology, Juntendo University, Japan

**Pe-005-5** Loss of mitophagy in aged Parkin knockout mice  
Shigeto Sato  
Department of Neurology, Juntendo University Graduate School of Medicine, Japan

## Parkinsonism and Related disorders (Clinical Research) 04

Chairs : Mutsumi Iijima

Department of Neurology Tokyo Women's Medical University

Tatsuya Yamamoto

Department of Rehabilitation Sciences, Chiba Prefectural University of Health Sciences

Pe-006-1 The changes in activities of daily livings after deep brain stimulation in Parkinson's disease

Tatsuya Yamamoto

Department of Rehabilitation Sciences, Chiba Prefectural University of Health Sciences, Japan /  
Department of Neurology, Graduate School of Medicine, Chiba University, Japan

Pe-006-2 The Real-World Outcome of Adaptive Deep Brain Stimulation

Hanna Okada

Department of Neurology Juntendo University School of Medicine, Japan

Pe-006-3 Online Health Information-seeking Behavior for Movement Disorders: An Infodemiologic Study

Azalea T. Pajo

ALBOR DISTRICT HOSPITAL, Philippines

Pe-006-4 Characteristics and efficacy of safinamide administration in patients with Parkinson's disease

Mutsumi Iijima

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

Pe-006-5 A Randomized, Placebo-Controlled Trial of Elobixibat for Parkinson's disease (CONST-PD study)

Taku Hatano

Department of Neurology, Juntendo University Faculty of Medicine, Japan

Pe-006-6 Comparison of entacapone and opicapone in Parkinson's disease patients with motor fluctuations

Hitoshi Yamada

Yokohama Neurology Clinic, Japan

## Parkinsonism and Related disorders (Basic Research) 2

Chairs : Takeshi Ikeuchi

Brain Research Institute, Niigata University

Hideaki Matsui

Brain Research Institute, Niigata University

Pe-007-1 withdrawn

Pe-007-2 withdrawn

Pe-007-3 withdrawn

Pe-007-4 Patients Preference on Pramipexole Immediate and Extended-Release Formulation -A Qualitative Study

Sutha Rajakumar

Hospital Seberang Jaya, Malaysia

Pe-007-5 COMT is increased in iPSC-dopaminergic neurons with Parkinson's disease-linked prosaposin variant

Kentaro Gejima

Department of Neurology Juntendo University School of Medicine, Japan

Pe-008 English Poster Session 008

En

May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

### Parkinsonism and Related disorders (Basic Research) 3

Chairs : Ken-ya Murata

Center for Educational Research and Development

Fumitaka Shimizu

Department of Neurology and Clinical Neuroscience, Yamaguchi University

Graduate School of Medicine

Pe-008-1 Abnormal Senescence exacerbates  $\alpha$ -synucleinopathy in Parkinson disease model mice

Hiroshi Sakiyama

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

Pe-008-2 Reducing the hyperactivity of SPNs can inhibit development of L-Dopa-induced dyskinesias

Goichi Beck

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

National Primate Research Center, Emory University

Pe-008-3 Activation of alternative autophagy is neuroprotective in VPS35 D620N patient-derived iNeurons

Tomotaka Shiraiishi

Department of Neurology, Jikei University School of Medicine, Japan / Division of Regenerative

Medicine, Jikei University School of Medicine, Japan

Pe-008-4 Relationship between astrogliosis and degeneration of dopaminergic neurons with LRRK2 mutation

Yuri Shojima

Juntendo university, Japan

**Pe-008-5** The effects of MTEP on L-DOPA-induced dyskinesia in Parkinson's disease model rat

Hikaru Kamo

Department of Neurology, Juntendo University Faculty of Medicine, Japan

**Pe-008-6** Polyubiquitin chain modification of Lewy body and Lewy neurite in Parkinson's disease

Yoshiaki Nakayama

Department of Neurology, Wakayama Medical University, Japan

**Pe-009 English Poster Session 009**

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May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

### Motor Neuron Disease (Basic Research) 1

Chairs : Fumiaki Tanaka

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

Yasuhiro Watanabe

Division of Neurology, Department of Brain and Neurosciences, Faculty of  
Medicine, Tottori University

**Pe-009-1** Research of pathogenesis for upper motor neuron dysfunction of ALS in ADAR2 knockout mice

Takuto Hideyama

Department of Neurology, TOKYO MEDICAL UNIVERSITY, Japan

**Pe-009-2** Discovery of genetic modifiers of C9-ALS fly model that can potentially regulate RAN translation

Yuzo Fujino

Department of Neurology, Kindai University Faculty of Medicine, Japan / Department of  
Neurology, Kyoto Prefectural University of Medicine, Japan

**Pe-009-3** A bioinformatic investigation of proteasome and autophagy expression in the CNS

Yasuhiro Watanabe

Division of Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori  
University, Japan

**Pe-009-4** E. coli derived amyloid protein decrease reproductivity of ALS model *Drosophila*

Fukiko Kitani-morii

Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of  
Medicine, Japan / Department of Neurology, Kyoto Prefectural University of Medicine, Japan

**Pe-009-5** ALS-causing protein TDP-43 impairs cholesterol biogenesis

Naohiro Egawa

Department of Neurology, Kyoto University Graduate School of Medicine, Japan / Center for iPS  
Cell Research and Application (CiRA), Kyoto University, Japan

**Motor Neuron Disease (Clinical Research) 2**

Chairs : Kiyotaka Nakamagoe

University of Tsukuba, Department of Neurology

Haruhiko Banno

Institute for Advancement of Clinical and Translational Science, Kyoto University Hospital

**Pe-010-1** **Contrasting contribution of NfL and TDP-43 in cerebrospinal fluid to disease progression rate of ALS**

Yuta Kojima

Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

**Pe-010-2** **DNA methylation study of whole blood in patients with sporadic amyotrophic lateral sclerosis**

Zhengyi Cai

Department of Neurology, Peking Union Medical College Hospital, China

**Pe-010-3** **The causative gene for spinocerebellar ataxia can be a risk factor for amyotrophic lateral sclerosis**

Ikuko Iwata

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

**Pe-010-4** **Association of clinical symptoms and pathological eye movements with amyotrophic lateral sclerosis**

Kiyotaka Nakamagoe

Department of Neurology, Division of Clinical Medicine, Faculty of Medicine, University of Tsukuba, Japan

**Motor Neuron Disease (SBMA and Others) 1**

Chairs : Hiroaki Adachi

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

Masaaki Matsushima

Department of Neurology, Hokkaido University

**Pe-011-1** **Elucidating early pathophysiology of spinal-bulbar muscular atrophy using disease-specific iPSCs**

Kazunari Onodera

Department of Neurology, Aichi Medical University School of Medicine, Japan / Department of Neurology, Nagoya University Graduate School of Medicine, Japan



- Pe-011-2** Exercise-induced Ampk activation ameliorates polyQ-mediated neuromuscular degeneration in SBMA mice  
Tomoki Hirunagi  
Department of Neurology, Nagoya University Graduate School of Medicine, Japan
- Pe-011-3** Emodin alleviates SBMA phenotype via down regulation of androgen receptor  
Hiroaki Adachi  
Department of Neurology, University of Occupational and Environmental Health School of Medicine, Japan
- Pe-011-4** Clinical outcomes in adult spinal muscular atrophy treated with nusinersen and risdiplam  
Michihiro Hirayama  
Department of neurology Kyoto university graduate school of medicine, Japan
- Pe-011-5** Japan Registry for Adult subjeCTs of spinal muscular atrophy (jREACT): Baseline characteristics  
Kentaro Sahashi  
Department of Neurology, Nagoya University Graduate School of Medicine, Japan
- Pe-011-6** Epidemiological study of multiple system atrophy in Hokkaido: data from HoRC-MSA project 2014-2021  
Masaaki Matsushima  
Department of Neurology, Hokkaido University, Japan

**Pe-012 English Poster Session 012****En**

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Poster Session (E Block B2F Hall E)

**Neuroimmunology (Clinical Research) 03**

Chairs : Sukehisa Nagano

Fukuoka City Hospital

Masaaki Niino

Department of Clinical Research, Hokkaido Medical Center

- Pe-012-1** Hypertrophic pachymeningitis; analysis based on 2017 provisional ACR/EULAR classification criteria  
Akihiro Nakajima  
Department of Neurology, Brain Research Institute, Niigata University, Japan
- Pe-012-2** Mild encephalitis/encephalopathy with reversible splenic lesion after COVID-19 vaccination  
Hiroya Ohara  
Department of Neurology, Minaminara General Medical Center, Yoshino, Nara, Japan /  
Department of Neurology, Nara Medical University School of Medicine, Kashihara, Nara, Japan
- Pe-012-3** Cerebellar ataxia patients with anti-Sez6l2 antibody in Japan  
Megumi Abe  
Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo, Japan

- Pe-012-4 Disrupted brain functional connectivity networks after HPV vaccination  
Toshiaki Hirai  
Department of Neurology, Mizonokuchi Hospital, Teikyo University School of Medicine, Japan

**Pe-013 English Poster Session 013**

**En**

May 18 (Wed) 17:20 ~ 18:35

Poster Session (E Block B2F Hall E)

**Peripheral neuropathy (Clinical Research) 1**

Chairs : Kenichi Kaida  
Saitama Medical Center, Saitama Medical University  
Motoi Kuwahara  
Department of Neurology, Kindai University Faculty of Medicine

- Pe-013-1 Efficacy and convenience after changing SCIg therapy in two working-age patients with CIDP  
Jun Tsugawa  
Fukuoka University Chikushi Hospital Stroke Center, Japan
- Pe-013-2 Increased cerebrospinal fluid adenosine 5'-triphosphate in patients with Guillain-Barré syndrome  
Takamasa Nukui  
Department of Neurology, Faculty of Medicine, University of Toyama, Japan
- Pe-013-3 The combination of serum IgG anti-GDIa antibody and high mEGOS for predicting poor outcome in GBS  
Yuko Yamagishi  
Department of Neurology, Kindai University Faculty of Medicine, Japan
- Pe-013-4 Physiological and radiological study of the facial nerves in facial diplegia and paresthesia  
Kazuki Nishimura  
Department of Neurology, Aizawa Hospital, Japan
- Pe-013-5 Distribution of nerve affection in patients chronically exposed to Arsenic in the Philippines  
Mario B. Prado Jr  
University of the Philippines-Philippine General Hospital, Philippines
- Pe-013-6 withdrawn

**Epilepsy (Basic Research)**

Chairs : Masako Kinoshita

Department of Neurology, National Hospital Organization Utano National Hospital

Kazutaka Jin

Department of Epileptology, Tohoku University Graduate School of Medicine

**Pe-014-1** Differential effect of checkerboard size on visually-induced reflex seizures in Lafora disease

Kazuaki Sato

Department of Neurology, National Hospital Organization Utano National Hospital, Japan

**Pe-014-2** Red slow as the specific, epileptic biomarker in scalp EEG by means of wide-band EEG analysis

Miwa Takatani

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

**Pe-014-3** EEG pattern with evolution can be associated with better outcome in NCSE

Kazuma Koda

Division of Neurology, Kobe University Graduate School of Medicine, Japan

**Pe-014-4** Two Different Types of Glucose Utilization in Low Frequency Activities in an Epileptic Animal Model

Mitsuyoshi Nakatani

Department of Neurology, Juntendo University Graduate School of Medicine, Japan / Institute de Neurosciences des Systems, INSERM UMR\_S 1106, Aix Marseille University

**Miscellaneous (Basic Research)**

Chairs : Yasushi Iwasaki

Institute for Medical Science of Aging, Aichi Medical University

Hiroyuki Morino

Department of Medical Genetics, Tokushima University Graduate School of Biomedical Sciences

**Pe-015-1** Carrier-free mRNA sonoporation into central nervous system cells using albumin-based nanobubble

Hiroshi Kida

Department of Anatomy, School of Medicine, Fukuoka University, Japan

**Pe-015-2** Generation of non-human primate models of Alzheimer's disease

Hiroki Sasaguri

Laboratory for Proteolytic Neuroscience, RIKEN Center for Brain Science, Japan / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

**Pe-015-3** Differential expression of miRNAs in the brainstem of SAMP8  
 Rie Kawakita  
 Department of Neural Intractable Disease, Kagawa University Faculty of Medicine, Japan/  
 Department of Gastroenterology and Neurology, Kagawa University Faculty of Medicine, Japan

**Pe-015-4** The role of zinc finger domains for regulating biological phase separation  
 Naohiko Iguchi  
 Department of Neurology, Nara Medical University, Japan

**Pe-016 English Poster Session 016**

**En**

May 19 (Thu) 17:45 ~ 19:00

Poster Session (E Block B2F Hall E)

**Cerebrovascular Disease (CADASIL and Others)**

Chairs : Hiroaki Tanaka  
 Tokyo Metropolitan Ohtsuka hospital, Department of Neurology  
 Akihiko Ueda  
 Department of Neurology, Kumamoto University

**Pe-016-1** Skewness of the histogram of white matter hyperintensity lesion is a novel MRI biomarker for CADASIL  
 Hiraku Matsuura  
 Department of Neurology, Graduate school of Medical Science, Kyoto Prefectural University of Medicine, Japan

**Pe-016-2** The process of walking recovery after thalamic hemorrhage: Analyses by diffusion tensor tractography  
 Aki Arai  
 Department of Neurology, Saitama Prefectural Rehabilitation Center, Japan

**Pe-016-3** Neuroanatomical predictors of long-term tube feeding due to infra- or supratentorial ischemic stroke  
 Takaaki Hattori  
 Tokyo Medical and Dental University, Department of Neurology and Neurological Science, Japan

**Pe-016-4** CLINICAL CASE REPORT OF CADASIL  
 Purevdulam Batjargal  
 General Hospital for State Special Servants, Mongolia

**Pe-016-5** Elimination of vascula A  $\beta$  in cerebral amyloid angiopathy-related inflammation/vasculitis  
 Kenji Sakai  
 Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan

**Pe-016-6** White matter lesions in idiopathic basal ganglia calcification  
 Kenta Orimo  
 Department of Neurology, The University of Tokyo Hospital, Japan

**Cerebrovascular Disease (Basic Research) 1**

Chairs : Haruko Yamamoto

Pharmaceuticals and Medical Devices Agency

Yusuke Yakushiji

Kansai Medical University

**Pe-017-1 Fibrin5 immunoprofiles in the diagnosis of HTRA1-related small vessel disease**

Rie Saito

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

**Pe-017-2 Aberrant immunity caused by RVCL-mutant TREX1 depends on nuclear localization and enzyme activity**

Shoichiro Ando

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

**Pe-017-3 3D characteristics of A $\beta$  deposition in cerebral amyloid angiopathy**

Hideki Hayashi

Department of Pathology, Brain research institute, Niigata university, Japan / Department of Neurology, Brain research institute, Niigata university, Japan

**Pe-017-4 Chronic cerebral hypoperfusion activates NLRP3-inflammasome in CAA onset model mouse**

Hirofumi Matsuyama

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

**Dementia (Basic Research) 3**

Chairs : Masato Asahina

Department of Neurology, Kanazawa Medical University

Yasumasa Kokubo

Mie University Graduate School of Regional Innovation Studies

**Pe-018-1 Biomarkers in non-AD control subjects in the presence or absence of statins, a preliminary study**

Yasushi Tomidokoro

Dept. of Neurology, Faculty of Medicine, University of Tsukuba, Japan

**Pe-018-2 Impacts of CR1 genetic variants on cerebrospinal fluid and neuroimaging biomarkers in AD**

Xichen Zhu

Department of Neurology, the Affiliated WuXi NO.2 People's Hospital of Nanjing Medical University, China

**Pe-018-3 White matter lesions may aid in differentiating iNPH and AD**

Takeshi Kuroda

Division of Neurology, Department of Medicine, Showa University School of Medicine, Japan

**Pe-018-4** Associations of depressive symptoms with white matter abnormalities and rCBF in amnesic MCI

Kyoko Kaneshiro

Department of Geriatric Medicine, Tokyo Medical University, Japan

**Pe-018-5** Transferability and sustainability of tDCS effects on domain-specific cognition in AD patients

Hanna Lu

The Chinese University of Hong Kong, Hong Kong SAR, China

**Pe-019** English Poster Session 019

En

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Poster Session (E Block B2F Hall E)

**Dementia (Clinical Research) 4**

Chairs : Yumiko Motoi

Juntendo University

Seiichi Nagano

Department of Neurotherapeutics, Osaka University Graduate School of Medicine

**Pe-019-1** Lithium chloride reduces phosphorylated tau protein

Rei Asano

Department of Neurology, University of Fukui Hospital, Japan

**Pe-019-2** Reduced A $\beta$  production by CRISPR/Cas9 genome editing targeting the promoter of APP in cultured cells

Sonoko Tanaka

Teikyo University, School of Medicine, Department of Neurology, Japan

**Pe-019-3** A single oral administration of PER decreased ISF A $\beta$  levels in APP mouse

Sakiho Ueda

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

**Pe-019-4** Donepezil reduces phosphorylated tau and oligomeric tau

Hirohito Sasaki

Department of Neurology, Sugita Genpaku Memorial Obama Municipal Hospital, Japan /  
Department of Neurology, Faculty of Medical Sciences, University of Fukui, Japan

**Pe-019-5** Peripheral lipopolysaccharides challenge aggravates  $\beta$ -amyloid pathology in App knock-in mouse model

Masaki Ohyagi

Department of Microbiology and Immunology, Keio University School of Medicine, Japan

**Parkinsonism and Related disorders (Clinical Research) 08**

Chairs : Yasuyuki Okuma

Department of Neurology, Juntendo University Shizuoka Hospital

Yasushi Osaki

Department of Neurology, Kochi Medical School Hospital

**Pe-020-1 Prospective five-year follow-up of patients with Schizophrenia suspected with Parkinson's disease**

Asako Yoritaka

Department of Neurology, Juntendo University Koshigaya Hospital, Japan

**Pe-020-2 Clinical diagnosis of progressive supranuclear palsy and corticobasal degeneration**

Yasushi Osaki

Department of Neurology, Kochi Medical School Hospital, Japan

**Pe-020-3 Cerebellar adaptation impairment correlates with freezing of gait in progressive supranuclear palsy**

Takahiro Shimizu

Division of Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University, Japan

**Pe-020-4 Psychosis spectrum in Parkinson's Disease without amyloid pathology**

Yuta Terada

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

**Pe-020-5 Frontal dependent memory decline in a group of patients with Parkinson disease**

Ikko Wada

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

**Parkinsonism and Related disorders (Basic Research) 4**

Chairs : Makio Takahashi

Department of Neurology, Medical Research Institute Kitano Hospital

Wataru Satake

Dept Neurol, The Univ of Tokyo

**Pe-021-1 Screening of 22q11.2 microdeletions in Parkinson's disease**

Manabu Funayama

Research Institute of Disease of Old Age, Graduate School of Medicine, Juntendo University, Japan / Department of Neurology, Juntendo University School of Medicine, Japan

- Pe-021-2** Properties of midbrain-specific dopaminergic progenitors obtained with a neurosphere culture system  
Risa Nonaka  
Department of Clinical data of Parkinson's Disease, Juntendo University, School of Medicine, Japan / Department of Neurology, Juntendo University, School of Medicine, Japan / Center for Genomic and Regenerative Medicine, Juntendo University, School of Medicine, Japan
- Pe-021-3** Dynactin1 binds to TDP-43 and regulates its aggregation  
Takayasu Mishima  
Department of Neurology, Faculty of Medicine, Fukuoka University, Japan
- Pe-021-4** Genetic analysis of ATP10B for Parkinson's disease in Japan  
Mayu Ishiguro  
Department of Neurology, Juntendo University School of Medicine, Japan
- Pe-021-5** Genetic screening by panel sequencing of the GBA gene for Parkinson's disease  
Yuanzhe Li  
Department of Neurology, Juntendo University School of Medicine, Japan
- Pe-021-6** withdrawn

**Pe-022 English Poster Session 022****En**

May 19 (Thu) 17:45 ~ 19:00

Poster Session (E Block B2F Hall E)

**Parkinsonism and Related disorders (Biomarker) 2**Chairs : Nobuyuki Nukina  
Juntendo University

Taiji Tsunemi

Department of Neurology, Juntendo University School of Medicine

- Pe-022-1** Unaltered Glucosylceramide Level in CSF from PD with significant downregulation of innate immunity  
Tatsuro Mutoh  
Department of Neurology, Fujita Health University Hospital, Japan
- Pe-022-2** Exosomal  $\alpha$ -synuclein filaments as a novel biomarker for Parkinson's disease  
Yuta Ishiguro  
Juntendo University School of Medicine, Department of Neurology, Japan
- Pe-022-3** Leucine-rich  $\alpha 2$  glycoprotein as a possible biomarker for the inflammation of Parkinson's disease  
Takuma Ohmichi  
Department of Neurology, Kyoto Prefectural University of Medicine, Japan
- Pe-022-4** Analysis of CSF Alzheimer's disease biomarkers in Parkinson's disease  
Kazuya Goto  
Department of Neurology, Kyoto University Graduate School of Medicine, Japan



Pe-022-5 Examination of the usefulness of spontaneous eye blink rate in differentiating PD and PSP

Daiki Kamiyama

Department of Neurology, Juntendo University School of Medicine, Japan

Pe-023 English Poster Session 023

En

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Poster Session (E Block B2F Hall E)

### Parkinsonism and Related disorders (Basic Research) 5

Chairs : Satoshi Kaneko

Neurology, Kansai Medical University

Shigeki Arawaka

Department of Internal Medicine IV, Division of Neurology, Osaka Medical and Pharmaceutical University

Pe-023-1 Assessment of Parkin recruitment by the multiple expression system of Parkin/PINK1/Ubi/FAF1 in cells

Tohru Kitada

Otowa-Kagaku, Neuroscience, Japan

Pe-023-2 Anti-dyskinetic effects of tandospirone and zolmitriptan in a rat model of Parkinson's disease

Rie Tohge

Department of Neurology, Kansa Medical University, Japan

Pe-023-3 Intranasal administration of  $\alpha$ -synuclein induces Lewy neurites like pathology in the olfactory bulb

Masanori Sawamura

Department of Neurology, Kyoto University Hospital, Japan

Pe-023-4 BRUP-1, a bilirubin modulator, showed neuroprotective activity

Masaya Imoto

Department of Neurology, Juntendo University School of Medicine, Japan

Pe-023-5 *Drosophila* VPS13 regulates neuronal synaptic activity and mitochondrial homeostasis

Kahori Fukushima

Department of drug development for Parkinson's disease, Juntendo University Graduate School of Medicine, Japan

Pe-023-6 Neuronal activity stimulates  $\alpha$ -synuclein secretion via a pathway involving ABC transporter

Yoshitsugu Nakamura

Osaka Medical and Pharmaceutical University, Japan

**Parkinsonism and Related disorders (Basic Research) 6**

Chairs : Yukio Fujita

Department of Neurology, Gunma University Graduate School of Medicine

Hirofumi Yamashita

Japanese Red Cross Wakayama Medical Center

**Pe-024-1** Phenotype of gba1 KO medaka is not rescued by the deletions of Gba2 and Gba3

Etsuro Nakanishi

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

**Pe-024-2** Intracellular glycosylation of Parkin protein

Yukiko Maki

Department of Clinical Research, Tokushima National Hospital, Japan

**Pe-024-3** Identification of MT-ND1 polymorphism in Parkinson's Patients of Coimbatore Population, India

Dhivya Venkatesan

Bharathiar University, India

**Pe-024-4** Association of tRNA variants in Parkinson's disease of Coimbatore, population, India

Balachandar Vellingiri

Bharathiar university, India

**Pe-024-5** PD-linked prosaposin gene mutation affects intracellular trafficking and secretion of prosaposin

Ryo Wakamori

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-024-6** Pathophysiological evaluation of the LRRK2 p.G2385R linked to Parkinson's disease

Toshiki Tezuka

Department of Neurology, Juntendo University School of Medicine, Japan / Department of Neurology, Keio University School of Medicine, Japan

**Motor Neuron Disease (Basic Research) 2**

Chairs : Hideshi Kawakami

Department of Mol Epidemiology Hiroshima University

Hideyuki Takeuchi

Department of Neurology and Stroke Medicine, Yokohama City University

Graduate School of Medicine

**Pe-025-1 Arginine-rich poly-dipeptides impede phase modifiers of RNA-binding proteins in C9-ALS/FTD**

Hitoki Nanaura

Department of Neurology, Nara Medical University, Japan

**Pe-025-2 C9orf72 derived dipeptide repeat proteins associate with lysosome**

Minako Yamaoka

Department of Neurology, Nara Medical University, Japan

**Pe-025-3 C9orf72-derived proline:arginine poly-dipeptides alter cytoskeleton and mechanical stress response**

Tomo Shiota

Department of Neurology, Nara Medical University, Japan

**Pe-025-4 TDP-43 transports ferritin heavy chain mRNA to regulate oxidative stress in neuronal axons**

Jyunki Jinno

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

**Motor Neuron Disease (Clinical Research) 4**

Chairs : Yu-ichi Noto

Department of Neurology, Graduate School of Medical Science, Kyoto

Prefectural University of Medicine

Takehisa Hirayama

Department of Neurology, Toho University Faculty of Medicine

**Pe-026-1 Videofluoroscopic dysphagia scale estimates the gastrostomy timing in amyotrophic lateral sclerosis**

Tomomi Shijo

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

**Pe-026-2 The influence of the serum concentration of perampanel for sporadic amyotrophic lateral sclerosis**

Haruhisa Kato

Department of Neurology, Tokyo Medical University Hospital, Japan

**Pe-026-3** Motor unit firing pattern analysis using multichannel surface electromyography in ALS

Yu-ichi Noto

Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

**Pe-026-4** Far-field potential of CMAP(FFP-CMAP) as a reliable neurophysiological marker in ALS

Mana Higashihara

Department of Neurology, Tokyo Metropolitan Geriatric Hospital, Japan

**Pe-027 English Poster Session 027**

**En**

May 19 (Thu) 17:45 ~ 19:00

Poster Session (E Block B2F Hall E)

### Cerebellar ataxia and others(Clinical Research) 3

Chairs : Tohru Matsuura

Division of Neurology, Department of Medicine, Jichi Medical University

Yuji Takahashi

National Center of Neurology and Psychiatry

**Pe-027-1** Expansion of the ACAGG repeat motif in RFC1 in Japanese patients with cerebellar ataxia

Shingo Koide

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

**Pe-027-2** Phase II Study of a Protein Aggregation Inhibitor for Polyglutamine Disease

Tomohiko Ishihara

Department of Neurology Medical and Dental Hospital, Niigata University, Japan

**Pe-027-3** The CAG repeat length of CACNA1A in both alleles affects the age of onset of SCA6

Yuya Hatano

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

**Pe-027-4** Significance of ataxias in Initiative on Rare and Undiagnosed diseases (IRUD)

Yuji Takahashi

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

★ **Pe-027-5** ~~Analysis of expanded AAGGG and ACAGG repeats of the RFC1 in patients with multiple system atrophy~~

(APe-01-3)

~~Ascm Almansour~~

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

→ **withdrawn**

## Neuroimmunology (Basic Research)

Chairs : Takashi Ohashi

Tokyo Women's Medical University Yahchijo Medical Center

Juichi Fujimori

Division of Neurology, Tohoku Medical and Pharmaceutical University

**Pe-028-1** CD11c<sup>high</sup> B cell expansion in patients with neuromyelitis optica

Eiichiro Amano

Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan / Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan

**Pe-028-2** A novel automated quantitative system for LOTUS, a candidate biomarker for disease activity in MS

Keita Takahashi

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

**Pe-028-3** Therapeutic effect of anamorelin on experimental autoimmune encephalomyelitis

Yuki Nakazato

Division of Respirology, Rheumatology, Infectious Diseases, and Neurology, Department of Internal Medicine, Faculty of Medicine, University of Miyazaki, Japan

**Pe-028-4** Increased effector memory T cell ratio observed in Siponimod low-responders

Atsuko Katsumoto

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan / Multiple Sclerosis Center, National Center Hospital, National Center of Neurology and Psychiatry, Japan

## Pe-029 English Poster Session 029

## Neuroimmunology (Clinical Research) 06

Chairs : Masaru Matsui

Otsu Red Cross Hospital

Masahiro Mori

Department of Neurology, Chiba University

**Pe-029-1** Different profiles in longitudinal brain atrophy in patients with MS and NMOSD

Hiroki Masuda

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

**Pe-029-2** Clinical characteristics of early and late onset neuromyelitis optica spectrum disorder

Koji Furukawa

Department of Neurology, Kitano Hospital, The Tazuke Kofukai Medical Research Institute, Japan

**Pe-029-3** Treatment and rehabilitation in 4 cases of NMOSD

Jun-ichi Kitamura

Department of Neurology and Rehabilitation, Kohga General Hospital, Japan

**Pe-029-4** Clinical and laboratory features of long-term relapse-free MOGAD cases

Masahiro Mori

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

**Pe-029-5** PARANEOPLASTIC NEUROMYELITIS OPTICA SPECTRUM DISORDER: CASEREPORT AND SYSTEMATIC REVIEW

Natnasak Apiraksattayakul

Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand

**Pe-029-6** Theory of mind and its neuroanatomical correlates in patients with multiple sclerosis

Hiroaki Yokote

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

**Pe-030** English Poster Session 030

En

May 19 (Thu) 17:45 ~ 19:00

Poster Session (E Block B2F Hall E)

## Myopathy (Muscular Dystrophy) 2

Chairs : Hiroto Takada

Department of Neurology, National Hospital Organization, Aomori National Hospital

Izumi Aida

Niigata National Hospital, NHO

**Pe-030-1** nNOS activation in the pathogenesis of caveolin-3-deficient limb-girdle muscular dystrophy 1C

Yutaka Ohsawa

Neurology, Kawasaki Medical School, Japan

**Pe-030-2** Avalglucosidase alfa COMET Extension in Late-onset Pompe Disease: Efficacy and Safety At 97 Weeks

Mitsunobu Ikeda

Sanofi K.K., Japan

**Pe-030-3** Tricosanoic acid conjugated DNA/RNA heteroduplex oligonucleotide is highly efficient in mouse muscle

Sakino Kawabata

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

**Pe-030-4** Efficacy of methotrexate in patients with generalized myasthenia gravis: A Systematic Review

Karen Joy B. Adiao

University of the Philippines-Philippine General Hospital, Philippines

**Peripheral neuropathy (Clinical Research) 2**

Chairs : Katsumi Kurokawa

Kawasaki Medical School General Medical Center, Department of Neurology

Haruki Koike

Nagoya University Graduate School of Medicine

**Pe-031-1 Effects of siponimod on experimental autoimmune neuritis**

Takafumi Uchi

Toho University Graduate School of Medicine, Department of Internal Medicine, Division of Neurology, Japan / Toho University Ohashi Hospital, Department of Internal Medicine, Division of Neurology, Japan

**Pe-031-2 withdrawn****Pe-031-3 Novel cleavage of TTR during acidic conditions informs amyloid fibril formation in ATTR amyloidosis**

Tatsufumi Murakami

Department of Neurology, Kawasaki Medical School, Japan / Faculty of Rehabilitation, Kawasaki University of Medical Welfare, Japan

**Pe-031-4 MR Neurography is a useful tool for the differential diagnosis of non-traumatic drop finger**

Yuki Kitazaki

Department of Neurology, University of Fukui, Japan / Department of Neurology, Fukui-ken Saiseikai Hospital, Japan

**Pe-031-5 Rare Presentation of Guillain-Barre Syndrome: Cardiogenic Shock secondary to Complete Heart Block**

Nikka Carla Gerona

St. Paul's Hospital Iloilo, Philippines

**Sleep Disorders (Clinical Research)**

Chairs : Masayuki Miyamoto

Dokkyo Medical University School of Nursing / Department of Neurology Dokkyo Medical University Hospital

Hiroshi Shigeto

Division of Medical Technology, Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University

**Pe-032-1 HEADACHES AND SLEEP PROBLEMS AMONG THE MEDICAL STAFF**

Selenge Enkhtuya

Reflex Clinic, Mongolia

**Pe-032-2 CLINICAL, DIAGNOSTIC, AND TREATMENT ASPECTS OF OBSTRUCTIVE SLEEP APNEA****Shuren Dashzeveg**

Sleep Center, General Hospital for State Special Servants, Mongolia

**Pe-032-3 Obstructive Sleep Apnea in a Sleep Center in Mongolia****Munkhjin Purevtogtokh**

School of Medicine, Mongolian National University of Medical Sciences, Mongolia

**Pe-032-4 withdrawn****Pe-032-5 Dynamics of orexin neurons during sleep regulate sleep architecture and cataplexy****Hiroto Ito**

Department of Neuroscience II, Research Institute of Environmental Medicine, Nagoya University, Japan / Department of Neural Regulation, Nagoya University Graduate School of Medicine, Japan / JSPS Research Fellowship for Young Scientists (DCI), Japan

**Pe-033 English Poster Session 033****En**

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

**Cerebrovascular Disease (Basic Research) 2**Chairs : **Chikako Nito**

Collaborative Research Center, Nippon Medical School

**Toru Yamashita**

Department of Neurology Okayama University Graduate School of Medicine, Dentistry and pharmaceutical science

**Pe-033-1 Efficacy and safety of spot heating and ultrasound on in vitro and in vivo thrombolysis models****Ryuta Morihara**

Department of Neurology, Okayama University, Japan

**Pe-033-2 Neuroprotective effects of iPSCs-derived mesenchymal stem cell therapy for cerebral ischemia****Masafumi Arakawa**

Department of Neurological Science, Graduate School of Medicine, Nippon Medical School, Japan / Department of Biochemistry and Molecular Biology, Graduate School of Medicine, Nippon Medical School, Japan

**Pe-033-3 Antioxidative and neuroprotective effects of ascidiacea-derived plasmalogen in a mouse stroke model****Yusuke Fukui**

Department of Neurology, Okayama University Hospital, Japan

**Pe-033-4 Fasudil decreases focal cerebral ischemia-induced glial activation in rats****Abdullah M. Sheikh**

Shimane University, Japan / Department of Laboratory Medicine, Faculty of Medicine, Japan



## Cerebrovascular Disease (Clinical Research) 2

Chairs : Katsuhiko Ogawa

Division of Neurology, Department of Medicine, Nihon University School of Medicine

Manabu Inoue

National Cerebral and Cardiovascular Center Department of Cerebrovascular Medicine

Pe-034-1 withdrawn

Pe-034-2 Reproducibility of modified Rankin Scale assessment with a simple Japanese telephone questionnaire

Kenichiro Yi

Department of Neurology, Minamata City Hospital and Medical Center, Japan

Pe-034-3 Predicting poststroke cognitive impairment using MRI-based machine learning

Kotaro Noda

Department of Neurology, National Cerebral and Cardiovascular Center, Japan / Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan

Pe-034-4 Delayed leukoencephalopathy following acute ischemic stroke

Takeo Sato

Department of Neurology, The Jikei University School of Medicine, Japan

## Dementia (Basic Research) 4

Chairs : Hideo Hara

Division of Neurology, Department of Internal Medicine, Saga University Faculty of Medicine.

Renpei Sengoku

The Jikei University Daisan Hospital

★ Pe-035-1 Screening compounds library using seed-dependent cellular tau aggregation for Alzheimer's disease

(APe-01-1)

Ahmed Imtiaz

Juntendo University, Japan

★ Pe-035-2 An Alteration of microRNAs and Cognitive Impairment in Exercised Mice

(APe-01-5)

Mohammad Nasir Uddin

Juntendo University, Japan

**Pe-035-3** Exogenous A  $\beta$  seeds induce A  $\beta$  depositions on the blood vessels rather than the brain parenchyma

Tsuyoshi Hamaguchi

Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan

**Pe-035-4** White matter edematous change in the pre-treatment acute stage of leukoencephalopathy with CAA

Ken Yasuda

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

**Pe-035-5** withdrawn

**Pe-035-6** Administration of HCNP enhances cholinergic activity in the hippocampus

Yuta Madokoro

Department of Neurology, Nagoya City University, Japan

**Pe-036** English Poster Session 036

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

**Dementia (Basic Research) 5**

Chairs : Aya Kinoshita

Kyoto University Graduate School of Medicine

Tetsuya Takahashi

Department of Rehabilitation, Hiroshima International University

**Pe-036-1** The mode of synergistic suppression on BK channel by A  $\beta$  oligomer and amyloid precursor protein

Kenji Yamamoto

Department of Neurology & Clinical Research Center, National Hospital Organization Utano National Hospital, Japan

**Pe-036-2** Lipid rafts act as a common platform for A  $\beta$  oligomer-induced Alzheimer's pathology

Takeshi Kawarabayashi

Department of Neurology, Geriatrics Research Institute Hospital, Japan / Department of Social Medicine, Hirosaki University Graduate School of Medicine, Japan / Department of Neurology, Gunma University Graduate School of Medicine, Japan

**Pe-036-3** Tau regulates reward-system which is responsible for eating behavior pattern

Yusuke Fujioka

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

**Pe-036-4** Gut microbial LPS contributes cognitive impairment and white matter lesions via neuroinflammation

Toshiki Inaba

Department of Neurology, Juntendo University School of Medicine, Japan

Pe-036-5 Pathological alterations of hippocampus in vascular cognitive impairment

Shintaro Toda

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

Pe-037 English Poster Session 037

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

### Parkinsonism and Related disorders (Basic Research) 7

Chairs : Masato Asanuma

Department of Medical Neurobiology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

Daisuke Ito

Department of Neurology, Keio University School of Medicine

Pe-037-1 Midbrain organoid induction and phenotypic analysis in Parkinson's disease

Akihiro Yamaguchi

Center for Genomic and Regenerative Medicine, Juntendo University Graduate School of Medicine, Japan

Pe-037-2 The novel mice model to investigate the mechanisms of GCI formation in multiple system atrophy (MSA)

Tomoyuki Ishimoto

Department of Neurology Kyoto University Graduate School of Medicine, Japan

Pe-037-3 Establishment of iPSC derived-Blood Brain Barrier

Tomoyo Shimada

Juntendo University School of Medicine, Japan

Pe-037-4 Investigation of clinical biomarkers correlating with the phenotype of neurons derived from PD-iPSCs

Kei-ichi Ishikawa

Center for Genomic and Regenerative Medicine, Juntendo University Graduate School of Medicine, Japan / Department of Neurology, Juntendo University School of Medicine, Japan

Pe-037-5 Comparative analysis of human brain organoids and human fetal brain at single-cell resolution

Kaoru Kinugawa

Department of Neurology, Nara Medical University, Japan

Pe-037-6 Pathological study of BSN proteinopathy and producing of mutant BSN gene introducing knock-in mouse

Hiroaki Yaguchi

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

## Parkinsonism and Related disorders (Imaging) 2

Chairs : Kenji Ishii

Tokyo Metropolitan Institute of Gerontology

Masahiko Tomiyama

Department of Neurology, Hirosaki University Graduate School of Medicine

**Pe-038-1**  $^{123}\text{I}$ -MIBG uptake in the major salivary glands among patients with Lewy body disease

Junya Ebina

Department of Neurology, Toho University Faculty of Medicine, Japan

**Pe-038-2** Caudate and Putamen division of FP-CIT SPECT and clinical symptoms of Parkinson's disease

Atsuhiko Shindo

Department of Neurology, Faculty of Medicine, Juntendo University, Japan

**Pe-038-3** Putamen caudate ratio in DAT SPECT were correlated with anxiety in PD patients

Reiko Saika

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

**Pe-038-4** Anti-neuroinflammation effect of zonisamide in early Parkinson's disease: A chronological PET study

Tatsuhiko Terada

Department of Biofunctional Imaging, Preeminent Medical Photonics Education &amp; Research Center, Hamamatsu University School of Medicine, Japan / Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

**Pe-038-5** Establishment of reference values for  $^{123}\text{I}$ -FP-CIT SPECT with DVR in the diagnosis of PD

Tomoko Totsune

Department of Neurology, National Hospital Organization Sendai-Nishitaga Hospital, Japan

## Parkinsonism and Related disorders (Biomarker) 3

Chairs : Hisatomo Kowa

Kobe University Graduate School of Health Sciences

Hodaka Yamakado

Kyoto University Hospital

**Pe-039-1** Amyloid precursor protein in cerebrospinal fluid as biomarkers for Progressive Supranuclear Palsy

Hiroshi Takigawa

Division of Neurology, Department Brain and Neurosciences, Tottori University, Japan

Pe-039-2 Mitochondrial Dysfunction in a Mouse Model of Prodromal Parkinson's Disease: A Metabolomic Analysis

Masashi Ikuno

Department of Neurology Kyoto University Graduate School of Medicine, Japan

Pe-039-3 Two-step screening method to identify  $\alpha$ -synuclein aggregation inhibitors for Parkinson's disease

Makoto Hideshima

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

Pe-039-4 withdrawn

Pe-040 English Poster Session 040

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

Parkinsonism and Related disorders (Clinical Research) 11

Chairs : Eiichi Katada

Nagoya City University West Medical Center

Masashi Hamada

the University of Tokyo Hospital

Pe-040-1 Prevalence and clinical features of Parkinson's disease patients with drooling

Eriko Igami

Department of Neurology, Juntendo University School of Medicine, Japan

Pe-040-2 Analysis of visual abnormalities in synucleinopathy

Yoshinobu Amakusa

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

Pe-040-3 Autonomic dysfunction in a mouse model of prodromal Parkinson's disease

Tomoyuki Taguchi

Department of Neurology Kyoto University Graduate School of Medicine, Japan

Pe-040-4 Handwriting impairment in patients with REM sleep behaviour disorder

Gohei Yamada

Nagoya City University West Medical Center, Department of Neurology, Japan

Pe-040-5 Chronic sleep fragmentation exacerbates the prodromal symptoms in Parkinson's disease model mice

Masayuki Miyazaki

Department of Neurophysiology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan / Department of NCNP Brain Physiology and Pathology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan / Research Fellow of Japan Society for the Promotion of Science, Japan Society for the Promotion of Science, Japan

Pe-040-6 Association of the disease severity among the degree of olfactory dysfunction in Parkinson's disease

Hiroki Takatsu

Department of Neurology, The Jikei University School of Medicine, Japan

Pe-041 English Poster Session 041

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

### Motor Neuron Disease (Basic Research) 3

Chairs : Makiko Nagai

Department of Neurology, Kitasato University

Ryo Yamasaki

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

Pe-041-1 Nuclear pore destruction in FUS mutation-related ALS motor neurons

Hitoshi Aizawa

Department of Neurology, Tokyo Medical University, Japan

Pe-041-2 Characterization of phosphorylated TDP-43 aggregates induced under several conditions

Aiko Isami

Department of Brain and Neurosciences, Tokyo Metropolitan Institute of Medical Science, Japan  
/ Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-041-3 Prajal E3 ligase is a common suppressor of neurodegenerative disease-associated protein aggregation

Kazuhiko Watabe

Department of Medical Technology (Neuropathology), Faculty of Health Sciences, Kyorin University, Japan / Division of Pathological Neuroscience, Department of Pathology, Tokyo Woman's Medical University, Japan

Pe-041-4 C-C chemokine receptor 2<sup>+</sup> macrophages in nerves ameliorate motor neuron disease model mice

Ryo Yamasaki

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

Pe-041-5 The role of dysregulated connexin 30 expression in amyotrophic lateral sclerosis model mice

Yu Hashimoto

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

Pe-041-6 TDP isoform lacking the intrinsically disordered region alleviates TDP-43 LLPS and aggregation

Takuma Yamagishi

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

**Cerebellar ataxia and others(Basic Research)**

Chairs : Ichiro Yabe

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

Tomokatsu Yoshida

JCHO Kobe Central Hospital

**Pe-042-1 Ethosuximide improves clinical and pathological phenotypes of SCA42 mouse model**

Shunta Hashiguchi

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

**Pe-042-2 Genetic analysis of RFC1 gene for spinocerebellar degeneration and multiple system atrophy**

Masahiro Wakita

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido  
University, Japan**Pe-042-3 Prion-like amplification of misfolded polyglutamine protein monomer which leads to toxicity**

Daisaku Ozawa

Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan/  
Department of Neurology, Kindai University Faculty of Medicine, Japan**Pe-042-4 Blood biomarkers using extracellular vesicles for polyglutamine diseases**

Toshihide Takeuchi

Kindai University Faculty of Medicine, Japan

**Pe-042-5 Gene analyses for spinocerebellar ataxia type 2 identify neuropathy phenotype in Japan**

Rino Inada

Department of Neurology, Kindai University Faculty of Medicine, Japan

**Neuroimmunology(Clinical Research)09**

Chairs : Hirofumi Ochi

Department of Neurology, Ehime University Graduate School of Medicine

Michiaki Koga

Department of Neurology and Clinical Neuroscience, Yamaguchi University  
Graduate School of Medicine**Pe-043-1 Safety and effectiveness of dimethyl fumarate in DMD-naïve or early MS: an interim PMS analysis**

Hirofumi Ochi

Department of Neurology and Geriatric Medicine, Ehime University Graduate School of  
Medicine, Japan

**Pe-043-2** Association between HLA subtype and efficacy of glatiramer acetate in Japanese multiple sclerosis

Eizo Tanaka

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

**Pe-043-3** Anti-inflammatory effects of siponimod on astrocyte

Akihiro Ogasawara

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

**Pe-043-4** Effect of CD20 antibody on leukocyte-migration through blood-brain barrier in multiple sclerosis

Miwako Fujisawa

Blood-Brain Barrier Research Center, Yamaguchi University Graduate School of Medicine, Japan  
/Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Japan

**Pe-043-5** Iguratimod ameliorates clinical signs of the secondary progressive multiple sclerosis model mice

Satoshi Nagata

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

**Pe-044** English Poster Session 044

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

### Myopathy (Muscular Dystrophy) 3

Chairs : Kensuke Shiga

Department of Neurology, Matsushita Memorial Hospital

Takashi Kimura

Department of Neurology, Hyogo College of Medicine

**Pe-044-1** Construct a disease muscle model system using patient-derived human iPS Cells

Eri Hirasawa

Juntendo University Department of Neurology, Japan

**Pe-044-2** The effect of IgG from inflammatory myopathy patients on human muscle microvascular endothelial cell

Masaya Honda

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

**Pe-044-3** Splicing defects in the grey and white matter of Myotonic Dystrophy Type 1

Kazuki Yoshizumi

Department of Internal Medicine Division of Neurology, Hyogo College of Medicine, Japan



Pe-044-4 Therapeutic targeting expanded DNA in CAG and CTG triplet repeat neurological diseases

Susumu Ikenoshita

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

Pe-045 English Poster Session 045

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

### Peripheral neuropathy (Clinical Research) 3

Chairs : Yoshiki Sekijima

Department of Medicine (Neurology & Rheumatology), Shinshu University  
School of Medicine

Yohei Misumi

Department of Neurology, Kumamoto University

Pe-045-1 HELIOS-A: Study of Vutrisiran in Patients with Hereditary transthyretin-mediated (hATTR) Amyloidosis

Yoshiki Sekijima

Department of Medicine (Neurology & Rheumatology), Shinshu University School of Medicine, Japan

Pe-045-2 Deterioration after disease modifying treatments in a patient with ATTRv amyloidosis (Leu58Arg)

Sadao Hikishima

Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan

Pe-045-3 Diagnosis of acute peripheral neuropathy in terms of early treatment

Tatsuo Ihara

Department of Neurology, Otaru General Hospital, Japan

Pe-045-4 Clinical, laboratory and therapeutic features of 6 patients with anti-MAG neuropathy

Junko Ishii

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

Pe-045-5 Clinical profile and Electrophysiologic features of GBS in Southern Philippines

Mark Jenzen Trivilegio

St. Paul's Hospital Iloilo, Philippines

**Neuroinfection (Clinical Research) 3**

Chairs : Hideto Nakajima

Nihon University

Akihiro Shindo

Center of Dementia Prevention and Therapeutics, Mie University Hospital

**Pe-046-1 HIV ASSOCIATED NEUROCOGNITIVE DISORDER IN A 37 YEAR OLD FILIPINO COVID PATIENT: A CASE REPORT**

Dianne P. Ducay

Perpetual Succour Hospital, Cebu City, Philippines

**Pe-046-2 withdrawn****Pe-046-3 Neurological complication following COVID19 vaccine: retrospective single center observational study**

Kimihiko Kaneko

Department of Neurology, Tohoku University Hospital, Japan

**Pe-046-4 Chronological changes of the expression pattern of PrP in the hippocampi of CJD patients**

Kaoru Yagita

Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University, Japan

**Epilepsy (Clinical Research)**

Chairs : Yutaka Naito

Japanese Red Cross Ise Hospital

Riki Matsumoto

Division of Neurology, Kobe University Graduate School of Medicine

**Pe-047-1 Barriers to telemedicine among physicians in epilepsy care during the COVID-19 pandemic in Japan**

Takafumi Kubota

Japan Young Epilepsy Section, Japan

**Pe-047-2 Coactivity of glia and neuron in epilepsy; Close association of ictal slow shift with "fingerprint"**

Masako Daifu-Kobayashi

Department of Neurology, Kyoto University Hospital, Japan / Epilepsy Center, Cleveland Clinic Neurological Institute, USA

**Pe-047-3 CCEPs may help define optimal target location for closed-loop neuromodulation in epilepsy treatment**

Katsuya Kobayashi

Charles Shor Epilepsy Center, Cleveland Clinic Foundation, USA / Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-047-4 A systematic review of difference in clinical features between TEA and recurrent TGA

Mizuho Sugiyama

Department of Neurology, Juntendo University School of Medicine, Japan

Pe-047-5 Slow and infraslow of wide-band EEG is related with transient neurological event in Moyamoya disease

Kozue Hayashi

Department of Neurology, Kyoto University, Japan

Pe-048 English Poster Session 048

En

May 20 (Fri) 16:00 ~ 17:15

Poster Session (E Block B2F Hall E)

## Headache (Clinical Research) 1

Chairs : Mamoru Shibata

Department of Neurology, Tokyo Dental College Ichikawa General Hospital

Eiji Kitamura

Department of Neurology, Kitasato University School of Medicine

Pe-048-1 ~~The prevalence and burden of primary headache disorders in adolescents in Mongolia~~

~~Otgonbayar Luvsannorov~~

~~Mongolian National University of Medical Sciences, Mongolia~~

→ withdrawn

Pe-048-2 TOLOSA-HUNT SYNDROME IN A 52 YEAR OLD FILIPINO WOMAN: A CASE REPORT

Jamila Caresse C. Chin

Perpetual Succour Hospital, Philippines

Pe-048-3 Clinical Profile of Idiopathic Intracranial Hypertension: a Nepalese University Hospital Study

Rajeev Ojha

Department of Neurology, Tribhuvan University Institute of Medicine, Nepal

Pe-048-4 The burden of multiple sensory hypersensitivity symptoms in patients with migraine

Keisuke Suzuki

Department of Neurology, Dokkyo Medical University, Japan

**Neurophysiology (Clinical Research)**

Chairs : Kazumasa Shindo

Department of Neurology, University of Yamanashi

Yuki Hatanaka

Department of Neurology Teikyo University School of Medicine

**Pe-049-1 Upbeat nystagmus in medullary lesions**

Ken Johkura

Department of Neurology, Yokohama Brain and Spine Center, Japan

**Pe-049-2 Motor unit firing pattern analysis using multichannel surface electromyography in myasthenia gravis**

Takamasa Kitaoji

1.Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

**Pe-049-3 Short- and middle-latency giant SEP may reflect PDS and following inhibition, respectively**

Haruka Ishibashi

Department of Neurology, Kyoto University Graduate School of Medicine, Japan / Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical and Health Sciences, Japan

**Pe-049-4 Correlation of the blink reflex measured by electromyography and mechanomyography**

Borgil Bayasgalan

Institute for Developmental Research, Aichi Developmental Disability Center, Japan

**Pe-049-5 Rubber Hand Illusion Revealed Parieto-motor Dysfunction in Parkinson's Disease**

Reina Isayama

Department of Rehabilitation Medicine, Juntendo University Graduate School of Medicine, Japan / Division of Neurology, Department of Medicine, University of Toronto / Edmond J. Safra Program in Parkinson's disease and Morton and Gloria Shulman Movement Disorders clinic, Toronto Western Hospital / Krembil Research Institute, Division of Brain, Imaging and Behaviour - Systems Neuroscience

**Miscellaneous (Clinical Research) 5**

Chairs : Soichiro Shimizu

Department of Geriatric Medicine, Tokyo Medical University

Masaki Kamada

Department of Neurological Intractable Disease Research Faculty of Medicine,  
Kagawa University**Pe-050-1** Basilar artery changes in adult Japanese patients with Fabry disease

Jun Sawada

Department of Neurology, Asahikawa Medical University Hospital, Japan

**Pe-050-2** Effect of wearing knee braces on unsteadiness on standing in a case with primary orthostatic tremor

Jun Tashiro

Department of Neurology, Sapporo Parkinson MS Neurological Clinic, Japan

**Pe-050-3** A Case Series of Central Neurocytoma in Two Young Filipino Adults with Obstructive Hydrocephalus

Jason Louie G. Lim

Perpetual Succour Hospital, Cebu City, Philippines

**Pe-050-4** Ivermectin and Lianhua Qingwen Neurotoxicity in a Male with COVID-19 Infection : A Case Report

Jamaica G. Dela Cruz

Perpetual Succour Hospital, Philippines

**Pe-050-5** Roles of primary care providers in caring for adults with childhood-onset neurological conditions

Miho Osako

Department of Neurology, Tokyo Metropolitan Kita Medical and Rehabilitation Hospital for the Disabled, Japan

**Cerebrovascular Disease (Basic Research) 3**

Chairs : Taizen Nakase

Department of Aging Research &amp; Geriatric Medicine, IDAC, Tohoku University

Yasuhiro Nishiyama

department of neurology, nippon medical school

**Pe-051-1** Microglia regulate A1/A2 astrocytes via anti-inflammation and their EVs facilitate stroke recovery

Chikage Kijima

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-051-2** Serum-derived exosomes treatment for functional recovery after experimental stroke

**Kenichiro Hira**

Department of Neurology, Juntendo University Faculty of Medicine, Japan

**Pe-051-3** A chronological study of phosphorylated tau expression in acute and chronic ischemic rat models

**Yutaka Otsu**

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

**Pe-051-4** LYMPHATIC ENDOTHELIAL CELLS AFTER ISCHEMIC STROKE

**Yasuhiro Kuwata**

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

**Pe-051-5** withdrawn

**Pe-052 English Poster Session 052**

**En**

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

**Dementia (Basic Research) 6**

Chairs : **Wakako Maruyama**

Department of Health and Nutrition Faculty of Psychological & Physical Science  
Aichi Gakuin University

**Kenjiro Ono**

Department of Neurology and Neurobiology of Aging, Kanazawa University  
Graduate School of Medical Science

**Pe-052-1** Identification of the amino-acid residue of tau involved in four repeat tauopathy strain formation

**Shotaro Shimonaka**

Research Institute for Diseases of Old Age, Graduate School of Medicine, Juntendo University, Japan / Department of Diagnosis, Prevention and Treatment of Dementia, Graduate School of Medicine, Juntendo University, Japan

**Pe-052-2** Investigation of neuronal cytoplasmic inclusions of hippocampal dentate gyrus of Alzheimer's disease

**Hideyuki Moriyoshi**

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

**Pe-052-3** Increased CSF NFL and YKL-40 in IBMPFD with VCP R155C mutation: a case report and literature review

**Masaki Ikeda**

Division of General Education (Neurology), Faculty of Health & Medical Care, Saitama Medical University, Japan / Department of Neurology, Gunma University Graduate School of Medicine, Japan

- 
- Pe-052-4** Syk inhibitors reduce tau protein phosphorylation and oligomerization  
Tomohisa Yamaguchi  
Department of Neurology, University of Fukui Hospital, Japan

**Pe-053 English Poster Session 053**

**En**

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

**Parkinsonism and Related disorders (Imaging) 3**

Chairs : Yutaka Shimoe

Brain Attack Center Ota Memorial Hospital

Tatsuhiro Terada

Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders/Department of Biofunctional Imaging, Hamamatsu University School of Medicine

- 
- Pe-053-1** Early MRI findings in multiple system atrophy cerebellar type; focus on the first 3 years from onset

Tatsuya Sato

Department of Neurology, Brain Attack Center Ota Memorial Hospital, Japan

- 
- Pe-053-2** Pattern of brainstem atrophy in multiple system atrophy cerebellar-type and parkinsonism-type

Yusuke Nakagawa

Department of Neurology, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

- 
- Pe-053-3** Differences in neurodegeneration between dementia with Lewy bodies and Parkinson's disease

Masato Okitsu

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

- 
- Pe-053-4** Advanced Diffusion MRI Depicts Pathological Alterations of Levodopa-Induced-Dyskinesia

Takashi Ogawa

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-054 English Poster Session 054**

**En**

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

**Parkinsonism and Related disorders (Basic Research) 8**

Chairs : Takafumi Hasegawa

Division of Neurology, Tohoku University Graduate School of Medicine

Shinji Saiki

Department of Neurology, Juntendo University

- 
- Pe-054-1** A novel biological defense response against neurotoxic aldehyde, acrolein in PD patients

Yukiko Sasazawa

Research Institute for Diseases of Old Age, Juntendo University Graduate School of Medicine, Japan / Division for Development of Autophagy Modulating Drugs, Juntendo University School of Medicine, Japan

**Pe-054-2** Alpha-synuclein repress neuronal gene expression through PRMT5 activation

Takaaki Nakamura

Department of Neurology, Tohoku University, Japan

**Pe-054-3** Comprehensive screening and identification of membrane-associated receptor for  $\alpha$ -synuclein fibrils

Shun Ishiyama

Department of Neurology, Tohoku University Hospital, Japan

**Pe-054-4** Loss of MPAN-associated C19orf12 causes alteration of lipid metabolism in *Drosophila*

Kenta Shiina

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-054-5** Does homocysteine affect alpha-synuclein phosphorylation?

Soichi Enomoto

Department of Neurology, Faculty of Medical Sciences, University of Fukui, Japan

**Pe-054-6** The protective effects of PRMT5 inhibition against alpha-synuclein-induced neurotoxicity

Naoto Sugeno

Department of Neurology, Tohoku University, Japan

## Pe-055 English Poster Session 055

En

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

### Parkinsonism and Related disorders (Clinical Research) 14

Chairs : Toshihiko Suenaga

Tenri Hospital

Makoto Shiraishi

Division of Neurology, St. Marianna University School of Medicine

**Pe-055-1** Gait problems and motor complications in Parkinson's disease

Yukari Morita

Department of Neurology, Kochi Medical School Hospital, Japan

**Pe-055-2** Measurement of Freezing of Gait (FoG) based on motion trend assessments

Akira Nishida

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

**Pe-055-3** Pregnancy in patients with Segawa disease

Kyoko Hoshino

Segawa Memorial Neurological Clinic for Children, Japan

**Pe-055-4** Indication for and problems with adaptive deep brain stimulation on sensing of  $\beta$  rhythm

Jun Tanimura

Department of Neurology, Aizawa Hospital, Japan



Pe-055-5 Impact and characterization of focal task-specific dystonia among professional Japanese golfers

Gajanan S. Revankar  
Osaka University, Japan

Pe-056 English Poster Session 056

En

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

Motor Neuron Disease (Basic Research) 4

Chairs : Makoto Urushitani

Department of Neurology, Shiga University of Medical Science

Yoshio Ikeda

Department of Neurology, Gunma University Graduate School of Medicine

Pe-056-1 Motor neuron TDP-43 proteinopathy in progressive supranuclear palsy and corticobasal degeneration

Yuichi Riku

Inst. for Med. Sci. of Aging, Aichi Medical University, Japan / dept. of Neurol., Nagoya University, Japan

Pe-056-2 PCBP2 is downregulated in degenerating neurons and rarely observed in skein-like inclusions in ALS

Motoi Yoshimura

Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University, Japan

/ Department of Neurology, Graduate School of Medical Sciences, Kyushu University, Japan

Pe-056-3 Long term observation of the cytosolic TDP-43 conformations in the phenotypes of FTL/ALS in mice

Hideki Wada

Department of Neurology, Shiga University of Medical Science, Japan

Pe-056-4 Liquid to solid phase transition of full-length TDP-43 in vitro

Jiangkun Lu

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

Pe-057 English Poster Session 057

En

May 21 (Sat) 13:15 ~ 14:30

Poster Session (E Block B2F Hall E)

Neuroimmunology ((Myasthenia Gravis) 3

Chairs : Kazuo Iwasa

Department of Health and Medical Sciences, Ishikawa Prefectural Nursing University

Tatsusada Okuno

Department of Neurology, Osaka University Graduate School of Medicine

Pe-057-1 Lower urinary tract symptoms in myasthenia gravis

Ryuji Sakakibara

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

**Pe-057-2** Efgartigimod Demonstrates Consistent Improvements in Myasthenia Gravis Across Patient Populations

Masanori Takahashi

Department of Neurology, Osaka University Hospital, Japan

**Pe-057-3** Real-world effectiveness of eculizumab in generalized myasthenia gravis in Japan: 1-year PMS data

Hiroyuki Murai

Department of Neurology, International University of Health and Welfare, Narita, Japan

**Pe-057-4** Repetitive nerve stimulation among the patients with myasthenia gravis in Mongolia

Munkhbayar Rentsenbat

Reflex clinic, Mongolia

**Pe-058** English Poster Session 058

En

May 21 (Sat) 13 : 15 ~ 14 : 30

Poster Session (E Block B2F Hall E)

### Neuroimmunology (Clinical Research) 12

Chairs : Kazumasa Yokoyama

Juntendo University School of Medicine

Yoko Warabi

Tokyo Metropolitan Neurological Hospital

**Pe-058-1** Glycolipid OCH-NCNPI: Protocol of Phase II Clinical Trial for Patients with Multiple Sclerosis

Tomoko Okamoto

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

**Pe-058-2** Differences of MRI enhancement patterns between patients with multiple sclerosis and MOGAD

Hiroshi Kuroda

Department of Neurology, Tohoku University Graduate School of Medicine, Japan / Department of Neurology, South Miyagi Medical Center, Japan

**Pe-058-3** Safety and effectiveness of natalizumab: result from 7th year of the post-marketing surveillance

Kazumasa Yokoyama

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-058-4** Randomized controlled study of the efficacy of natalizumab 6-week vs continued 4-week dosing for MS

Foley John

Rocky Mountain MS Clinic, USA

**Pe-058-5** Long-term Efficacy of Satralizumab in Neuromyelitis Optica Spectrum Disorder (NMOSD)

Kazuo Fujihara

Fukushima Medical University School of Medicine, Japan

**Myopathy (Miscellaneous)**

Chairs : Yasutaka Tajima

Department of Neurology, Sapporo City General Hospital

Ichizo Nishino

Department of Neuromuscular Research, National Institute of Neuroscience,  
NCNP**Pe-059-1** Clinical and genetic features of Pompe disease in a single neuromuscular center from China

Jun Fu

Central China Fuwai Hospital, China/Henan Provincial People's Hospital, China

**Pe-059-2** Metabolome and RNA-sequencing analysis in sporadic inclusion body myositis

Ayuka Murakami

Department of Neurology, Nagoya University Hospital, Japan/Department of Neurology,  
National Hospital Organization Suzuka National Hospital, Japan**Pe-059-3** Transversospinalis involvement in inclusion body myositis

Satoko Ota

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

**Pe-059-4** Hemifacial Spasm in a 66-year-old Filipino Male caused by Vertebrobasilar Artery Dolichoectasia

Mary Kemberly S. Trinidad

Perpetual Succour Hospital, Philippines

**Pe-059-5** Dynamic changes in sulfation induced by mechanical stress in skeletal muscle

Yuri Yamashita

Aging Biology in Health and Disease, Graduate School of Medicine, Juntendo University, Japan/  
Department of Neurology, Faculty of Medicine, Juntendo University, Japan**Metabolic disorders and others 2**

Chairs : Shigeru Nogawa

Tokai University Hachioji Hospital

Kensho Okamoto

Ehime Prefectural cenral Hospital

**Pe-060-1** Diabetic Striatopathy in Pediatric Patient: A reversible and acquired movement disorderCase Report

Annfel Jave S. Navarro

National Children's Hospital, Philippines

**Pe-060-2** Cerebral Hemodynamic changes in chronic alcohol dependent patients induced by Naltrexone challenge

Srishti Lavania

Sarojini Naidu Medical College, India

**Pe-060-3** Role of Chamomile to Ameliorate Cardio-Metabolic Disorder and Depression in Rats on a High-Fat Diet

Saara M. Khan

Aga Khan University, Pakistan

**Pe-060-4** withdrawn

**Pe-060-5** A novel concept to decompress foramen magnum in Chiari I 2 malformation without affecting stability

Pankaj K. Singh

All india institute of medical sciences, India

**Pe-061 English Poster Session 061**

**En**

May 21 (Sat) 13 : 15 ~ 14 : 30

Poster Session (E Block B2F Hall E)

**Headache (Clinical Research) 2**

Chairs : Takao Takeshima

Tominaga Hospital

Toshiho Ohtsuki

Stroke Center, Kindai University Hospital

**Pe-061-1** THE EFFICACY OF RE-USING MEDICINES FOR PREVENTIVE TREATMENT OF MIGRAINE

Dmytro Sotnikov

Sumy State University, Ukraine

**Pe-061-2** Is Electro Myogram (EMG) Biofeedback Training for Migraine Headache Effective?

Madhu Nayak

NSCB Medical College, India

**Pe-061-3** Presence of focal delta/subdelta activity in migraineurs by wide-band scalp EEG

Kyoko Hosokawa

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

**Pe-061-4** Effect of blue and white light on KCl-induced cortical spreading depression

Eiji Kitamura

Department of Neurology, Kitasato University School of Medicine, Japan