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 ≥ 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 Suqecour Hospital, Philippines
Pe-002 一般演題ポスターセッション (英語) 002  
5月18日 (水) 17:20 ~ 18:35  ポスター会場 (Eブロック B2F ホール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 \(^{18}\)F-FDG uptake in two elderly patients with Alzheimer's disease
Kenji Ishibashi
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

Pe-003 一般演題ポスターセッション (英語) 003  
5月18日 (水) 17:20 ~ 18:35  ポスター会場 (Eブロック B2F ホールE)

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 CIA01 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

### Pe-004  一般演題ポスターセッション (英語) 004

#### Dementia (Basic Research) 2
**Chairs: Hiroshi Yamashita**  
Hiroshima City Asa Citizens Hospital  
Shinichiro Nakamura  
Department of Neurology, Koshigaya Municipal Hospital

#### 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

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**En**

5月18日 (水) 17:20 ~ 18:35  ポスター会場 (Eブロック B2F ホールE)

**Dementia (Basic Research) 2**

Chair: Hiroshi Yamashita  
Hiroshima City Asa Citizens Hospital  
Shinichiro Nakamura  
Department of Neurology, Koshigaya Municipal Hospital

**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  
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**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 一般演題ポスターセッション (英語) 005
5月18日 (水) 17:20 ~18:35 ポスター会場 (Eブロック B2F ホール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

Pe-005-2 Promotion of protein aggregation by Miclixin, 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

Pe-006 一般演題ポスターセッション (英語) 006
5月18日 (水) 17:20 ~18:35 ポスター会場 (Eブロック B2F ホールE)

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

Pe-007  一般演題ポスターセッション (英語) 007
5月18日 (水) 17:20 ~ 18:35  ポスター会場 (Eブロック B2F ホールE)

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
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 α-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 Shiraishi
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
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

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<tr>
<td>Pe-010-1</td>
<td>Contrasting contribution of NfL and TDP-43 in cerebrospinal fluid to disease progression rate of ALS</td>
<td>Yuta Kojima</td>
<td>Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan</td>
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<tr>
<td>Pe-010-2</td>
<td>DNA methylation study of whole blood in patients with sporadic amyotrophic lateral sclerosis</td>
<td>Zhengyi Cai</td>
<td>Department of Neurology, Peking Union Medical College Hospital, China</td>
</tr>
<tr>
<td>Pe-010-3</td>
<td>The causative gene for spinocerebellar ataxia can be a risk factor for amyotrophic lateral sclerosis</td>
<td>Ikuko Iwata</td>
<td>Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan</td>
</tr>
<tr>
<td>Pe-010-4</td>
<td>Association of clinical symptoms and pathological eye movements with amyotrophic lateral sclerosis</td>
<td>Kiyotaka Nakamagoe</td>
<td>Department of Neurology, Division of Clinical Medicine, Faculty of Medicine, University of Tsukuba, Japan</td>
</tr>
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</table>

### 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

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<tr>
<td>Pe-011-1</td>
<td>Elucidating early pathophysiology of spinal-bulbar muscular atrophy using disease-specific iPSCs</td>
<td>Kazunari Onodera</td>
<td>Department of Neurology, Aichi Medical University School of Medicine, Japan / Department of Neurology, Nagoya University Graduate School of Medicine, Japan</td>
</tr>
</tbody>
</table>
Exercise-induced Ampk activation ameliorates polyQ-mediated neuromuscular degeneration in SBMA mice
Tomoki Hirunagi
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

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

Clinical outcomes in adult spinal muscular atrophy treated with nusinersen and risdiplam
Michihiro Hirayama
Department of neurology Kyoto university graduate school of medicine, Japan

Japan REgistry for Adult subjeCTs of spinal muscular atrophy (jREACT): Baseline characteristics
Kentaro Sahashi
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Epidemiological study of multiple system atrophy in Hokkaido: data from HoRC-MSA project 2014-2021
Masaaki Matsushima
Department of Neurology, Hokkaido University, Japan

Hypertrophic pachymeningitis; analysis based on 2017 provisional ACR/EULAR classification criteria
Akihiro Nakajima
Department of Neuroscience, Brain Research Institute, Niigata University, Japan

Mild encephalitis/encephalopathy with reversible splenial lesion after COVID-19 vaccination
Hiroya Ohara
Department of Neurology, Minaminara General Medical Center, Yoshino, Nara, Japan

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

Peripheral neuropathy (Clinical Research) 1
Chairs: Kenichi Kaida
Saitama Medical Center, Saitama Medical University
Motoi Kuwahara
Department of Neurology, Kindai University Faculty of Medicine

Efficacy and convenience after changing SCIg therapy in two working-age patients with CIDP
Jun Tsugawa
Fukuoka University Chikushi Hospital Stroke Center, Japan

Increased cerebrospinal fluid adenosine 5'-triphosphate in patients with Guillain-Barré syndrome
Takamasa Nukui
Department of Neurology, Faculty of Medicine, University of Toyama, Japan

The combination of serum IgG anti-GD1a antibody and high mEGOS for predicting poor outcome in GBS
Yuko Yamagishi
Department of Neurology, Kindai University Faculty of Medicine, Japan

Physiological and radiological study of the facial nerves in facial diplegia and paresthesia
Kazuki Nishimura
Department of Neurology, Aizawa Hospital, Japan

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

withdrawn
**Pe-014 一般演題ポスターセッション (英語) 014**

5月18日 (水) 17:20 ～ 18:35
ポスター会場 (Eブロック B2F ホールE)

**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  

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**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  

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**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  

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**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  

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**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  

**Pe-015 一般演題ポスターセッション (英語) 015**

5月18日 (水) 17:20 ～ 18:35
ポスター会場 (Eブロック B2F ホールE)

**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  

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**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  

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**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

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**Pe-016** 一般演題ボスターセッション (英語) 016
5月19日 (木) 17:45～19:00 ポスター会場 (Eブロック B2F ホール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 Aβ 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

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<tr>
<td>Pe-017-1</td>
<td>Fibrin5 immunoprofiles in the diagnosis of HTRA1-related small vessel disease</td>
<td>Rie Saito</td>
<td>Department of Pathology, Brain Research Institute, Niigata University, Japan</td>
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<tr>
<td>Pe-017-2</td>
<td>Aberrant immunity caused by RVCL-mutant TREX1 depends on nuclear localization and enzyme activity</td>
<td>Shoichiro Ando</td>
<td>Department of Neurology, Brain Research Institute, Niigata University, Japan</td>
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<tr>
<td>Pe-017-3</td>
<td>3D characteristics of Aβ deposition in cerebral amyloid angiopathy</td>
<td>Hideki Hayashi</td>
<td>Department of Pathology, Brain research institute, Niigata university, Japan/Department of Neurology, Brain research institute, Niigata university, Japan</td>
</tr>
<tr>
<td>Pe-017-4</td>
<td>Chronic cerebral hypoperfusion activates NLRP3-inflammasome in CAA onset model mouse</td>
<td>Hirofumi Matsuyama</td>
<td>Department of Neurology, Mie University Graduate School of Medicine, Japan</td>
</tr>
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### Dementia (Basic Research) 3

**Chairs:** Masato Asahina  
Department of Neurology, Kanazawa Medical University  
Yasumasa Kokubo  
Mie University Graduate School of Regional Innovation Studies

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<tr>
<td>Pe-018-1</td>
<td>Biomarkers in non-AD control subjects in the presence or absence of statins, a preliminary study</td>
<td>Yasushi Tomidokoro</td>
<td>Dept. of Neurology, Faculty of Medicine, University of Tsukuba, Japan</td>
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<tr>
<td>Pe-018-2</td>
<td>Impacts of CR1 genetic variants on cerebrospinal fluid and neuroimaging biomarkers in AD</td>
<td>Xichen Zhu</td>
<td>Department of Neurology, the Affiliated WuXi NO.2 People's Hospital of Nanjing Medical University, China</td>
</tr>
<tr>
<td>Pe-018-3</td>
<td>White matter lesions may aid in differentiating iNPH and AD</td>
<td>Takeshi Kuroda</td>
<td>Division of Neurology, Department of Medicine, Showa University School of Medicine, Japan</td>
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</table>
Pe-018-4 Associations of depressive symptoms with white matter abnormalities and rCBF in amnestic 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 一般演題ポスターセッション (英語) 019
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 Aβ 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 Aβ 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 β-amyloid pathology in App knock-in mouse model
Masaki Ohyagi
Department of Microbiology and Immunology, Keio University School of Medicine, Japan
Pe-020 一般演題ポスターセッション (英語) 020

5月19日 (木) 17:45～19:00 ポスター会場（EブロックB2FホールE）

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

Pe-021 一般演題ポスターセッション (英語) 021

5月19日 (木) 17:45～19:00 ポスター会場（EブロックB2FホールE）

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
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<tr>
<td>Pe-021-2</td>
<td>Properties of midbrain-specific dopaminergic progenitors obtained</td>
<td>Risa Nonaka</td>
<td>Department of Clinical data of Parkinson's Disease, Juntendo University,</td>
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<td>with a neurosphere culture system</td>
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<td>School of Medicine, Japan / Department of Neurology, Juntendo University,</td>
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<td>School of Medicine, Japan / Center for Genomic and Regenerative Medicine,</td>
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<td>Juntendo University, School of Medicine, Japan</td>
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<td>Pe-021-3</td>
<td>Dynactin1 binds to TDP-43 and regulates its aggregation</td>
<td>Takayasu Mishima</td>
<td>Department of Neurology, Faculty of Medicine, Fukuoka University, Japan</td>
</tr>
<tr>
<td>Pe-021-4</td>
<td>Genetic analysis of ATP10B for Parkinson's disease in Japan</td>
<td>Mayu Ishiguro</td>
<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
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<tr>
<td>Pe-021-5</td>
<td>Genetic screening by panel sequencing of the GBA gene for</td>
<td>Yuanzhe Li</td>
<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
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<td>Pe-021-6</td>
<td>withdrawn</td>
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<td>Pe-022</td>
<td><strong>一般演題ポスターセッション (英語) 022</strong></td>
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<tr>
<td>Pe-022-1</td>
<td>Unaltered Glucosylceramide Level in CSF from PD with significant</td>
<td>Tatsuro Mutoh</td>
<td>Department of Neurology, Fujita Health University Hospital, Japan</td>
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<td>downregulation of innate immunity</td>
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<td>Pe-022-2</td>
<td>Exosomal ( \alpha )-synuclein filaments as a novel biomarker for</td>
<td>Yuta Ishiguro</td>
<td>Juntendo University School of Medicine, Department of Neurology, Japan</td>
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<td>Pe-022-3</td>
<td>Leucine-rich ( \alpha )2 glycoprotein as a possible biomarker for</td>
<td>Takuma Ohmichi</td>
<td>Department of Neurology, Kyoto Prefectural University of Medicine, Japan</td>
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<td>the inflammation of Parkinson's disease</td>
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<td>Pe-022-4</td>
<td>Analysis of CSF Alzheimer's disease biomarkers in Parkinson's disease</td>
<td>Kazuya Goto</td>
<td>Department of Neurology, Kyoto University Graduate School of Medicine, Japan</td>
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</table>

5月19日 (木) 17:45 - 19:00
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  一般演題ポスターセッション (英語) 023
5月19日 (木) 17:45 ~ 19:00 ポスター会場 (Eブロック B2F ホール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
Otawa-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 α-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 α-synuclein secretion via a pathway involving ABC transporter
Yoshitsugu Nakamura
Osaka Medical and Pharmaceutical University, Japan
<table>
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<tr>
<td>Pe-024-1</td>
<td>Phenotype of gba1 KO medaka is not rescued by the deletions of Gba2 and Gba3</td>
<td>Etsuro Nakanishi</td>
<td>Department of Neurology, Kyoto University Graduate School of Medicine, Japan</td>
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<td>Pe-024-2</td>
<td>Intracellular glycosylation of Parkin protein</td>
<td>Yukiko Maki</td>
<td>Department of Clinical Research, Tokushima National Hospital, Japan</td>
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<tr>
<td>Pe-024-3</td>
<td>Identification of MT-ND1 polymorphism in Parkinson's Patients of Coimbatore Population, India</td>
<td>Dhivyaa Venkatesan</td>
<td>Bharathiar University, India</td>
</tr>
<tr>
<td>Pe-024-4</td>
<td>Association of tRNA variants in Parkinson's disease of Coimbatore, population, India</td>
<td>Balachandar Vellingiri</td>
<td>Bharathiar university, India</td>
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<tr>
<td>Pe-024-5</td>
<td>PD-linked prosaposin gene mutation affects intracellular trafficking and secretion of prosaposin</td>
<td>Ryo Wakamori</td>
<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
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<td>Pe-024-6</td>
<td>Pathophysiological evaluation of the LRRK2 p.G2385R linked to Parkinson's disease</td>
<td>Toshiki Tezuka</td>
<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
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Pe-025 一般演題ポスターセッション (英語) 025
5月19日 (木) 17 : 45 〜 19 : 00 ポスター会場 (Eブロック B2F ホールE)

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

Pe-026 一般演題ポスターセッション (英語) 026
5月19日 (木) 17 : 45 〜 19 : 00 ポスター会場 (Eブロック B2F ホールE)

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  一般演題ポスターセッション (英語) 027
5月19日 (木) 17:45～19:00 ポスター会場 (Eブロック B2F ホール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 (APe-01-3)
Analysis of expanded AAGGG and ACAGG repeats of the RFC1 in patients with multiple system atrophy
Asem Almansour
Department of Molecular Neurology, Graduate School of Medicine, The University of Tokyo, Japan

★海外最優秀演題賞候補
Pe-028 一般演題ポスターセッション (英語) 028

5月19日 (木) 17:45 〜 19:00 ポスター会場 (Eブロック B2F ホールE)

**Neuroimmunology (Basic Research)**

Chairs: Takashi Ohashi
Tokyo Women’s Medical University Yahchiyo Medical Center
Juichi Fujimori
Division of Neurology, Tohoku Medical and Pharmaceutical University

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**Pe-028-1**

CD11c\textsuperscript{high} 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

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**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

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**Pe-028-3**

Therapeutic effect of anamorelin on experimental autoimmune encephalomyelitis

Yuki Nakazato
Division of Respiratory, Rheumatology, Infectious Diseases, and Neurology, Department of Internal Medicine, Faculty of Medicine, University of Miyazaki, Japan

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**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 一般演題ポスターセッション (英語) 029

5月19日 (木) 17:45 〜 19:00 ポスター会場 (Eブロック B2F ホールE)

**Neuroimmunology (Clinical Research) 06**

Chairs: Masaru Matsui
Otsu Red Cross Hospital
Masahiro Mori
Department of Neurology, Chiba University

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**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

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**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-030-1  nNOS activation in the pathogenesis of caveolin-3-deficient limb-girdle muscular dystrophy IC  
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 (DC1), Japan

Pe-033  一般演題ポスターセッション (英語) 033
5月20日（金）16:00～17:15 ポスター会場（Eブロック B2F ホールE）

Cerebrovascular Disease (Basic Research) 2

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  
Ahmed Imtiaz  
Juntendo University, Japan

★ Pe-035-2 An Alteration of microRNAs and Cognitive Impairment in Exercised Mice  
Mohammad Nasir Uddin  
Juntendo University, Japan

★ 海外最優秀演題賞候補
Pe-035-3  Exogenous Aβ seeds induce Aβ 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

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Pe-036 一般演題ポスターセッション (英語) 036  5月20日 (金) 16:00 ～17:15 ポスター会場 (Eブロック B2F ホールE)

Dementia (Basic Research) 5

Chairs: Ayae 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 Aβ 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 Aβ 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
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<tr>
<th>Pe-036-5</th>
<th>Pathological alterations of hippocampus in vascular cognitive impairment</th>
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<td>Shintaro Toda</td>
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<td>Department of Neurology, Graduate School of Medicine, Kyoto University, Japan</td>
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| Pe-037 一般演題ポスターセッション (英語) 037 |
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|         | 5月20日（金） 16:00 ～17:15 ポスターセッション (Eブロック B2F ホール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

<table>
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<tr>
<th>Pe-037-1</th>
<th>Midbrain organoid induction and phenotypic analysis in Parkinson's disease</th>
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<td></td>
<td>Akihiro Yamaguchi</td>
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<th>Pe-037-2</th>
<th>The novel mice model to investigate the mechanisms of GCI formation in multiple system atrophy (MSA)</th>
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<tr>
<td></td>
<td>Tomoyuki Ishimoto</td>
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<td>Department of Neurology Kyoto University Graduate School of Medicine, Japan</td>
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<th>Establishment of iPSC derived-Blood Brain Barrier</th>
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<td>Tomoyo Shimada</td>
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<th>Pe-037-4</th>
<th>Investigation of clinical biomarkers correlating with the phenotype of neurons derived from PD-iPSCs</th>
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<td>Kei-ichi Ishikawa</td>
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<td>Center for Genomic and Regenerative Medicine, Juntendo University Graduate School of Medicine, Japan / Department of Neurology, Juntendo University School of Medicine, Japan</td>
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<th>Pe-037-5</th>
<th>Comparative analysis of human brain organoids and human fetal brain at single-cell resolution</th>
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<td>Kaoru Kinugawa</td>
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<td>Department of Neurology, Nara Medical University, Japan</td>
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<th>Pe-037-6</th>
<th>Pathological study of BSN proteinopathy and producing of mutant BSN gene introducing knock-in mouse</th>
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<td></td>
<td>Hiroaki Yaguchi</td>
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<td>Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Japan</td>
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Pe-038 一般演題ポスターセッション (英語) 038
5月20日 (金) 16:00 〜 17:15 ポスター会場 (Eブロック B2F ホールE)

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 $^{125}$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
Tatsuhiro Terada
Department of Biofunctional Imaging, Preeminent Medical Photonics Education & 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 $^{125}$I-FP-CIT SPECT with DVR in the diagnosis of PD
Tomoko Totsune
Department of Neurology, National Hospital Organization Sendai-Nishitaga Hospital, Japan

Pe-039 一般演題ポスターセッション (英語) 039
5月20日 (金) 16:00 〜 17:15 ポスター会場 (Eブロック B2F ホールE)

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
Hirosi Takigawa
Division of Neurology, Department Brain and Neurosciences, Tottori University, Japan
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<th>Session</th>
<th>Title</th>
<th>Author</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pe-039-2</td>
<td>Mitochondrial Dysfunction in a Mouse Model of Prodromal Parkinson’s Disease: A Metabolomic Analysis</td>
<td>Masashi Ikuno</td>
<td>Department of Neurology Kyoto University Graduate School of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-039-3</td>
<td>Two-step screening method to identify α-synuclein aggregation inhibitors for Parkinson’s disease</td>
<td>Makoto Hideshima</td>
<td>Department of Neurology, Osaka University Graduate School of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-039-4</td>
<td>withdrawn</td>
<td></td>
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<tr>
<td>Pe-040-1</td>
<td>Prevalence and clinical features of Parkinson’s disease patients with drooling</td>
<td>Eriko Igami</td>
<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-040-2</td>
<td>Analysis of visual abnormalities in synucleinopathy</td>
<td>Yoshinobu Amakusa</td>
<td>Department of Neurology, Nagoya University Graduate school of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-040-3</td>
<td>Autonomic dysfunction in a mouse model of prodromal Parkinson’s disease</td>
<td>Tomoyuki Taguchi</td>
<td>Department of Neurology Kyoto University Graduate School of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-040-4</td>
<td>Handwriting impairment in patients with REM sleep behaviour disorder</td>
<td>Gohei Yamada</td>
<td>Nagoya City University West Medical Center, Department of Neurology, Japan</td>
</tr>
<tr>
<td>Pe-040-5</td>
<td>Chronic sleep fragmentation exacerbates the prodromal symptoms in Parkinson’s disease model mice</td>
<td>Masayuki Miyazaki</td>
<td>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</td>
</tr>
</tbody>
</table>

*Pe-039-3* and *Pe-039-4* are withdrawn.
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  一般演題ポスターセッション (英語) 041

5月20日（金）16：00 ～17:15 ポスター会場 (Eブロック B2F ホール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  Praja1 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 + 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
Pe-042 一般演題ポスターセッション (英語) 042
5月20日（金）16:00 ～17:15 ポスター会場 (Eブロック B2F ホールE)

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 RFCI 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

Pe-043 一般演題ポスターセッション (英語) 043
5月20日（金）16:00 ～17:15 ポスター会場 (Eブロック B2F ホールE)

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

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  一般演題(ポスター) 044
5月20日(金) 16:00 ～ 17:15 ポスター会場(EブロックB2FホールE)

Myopathy (Muscular Dystrophy) 3
Chair: 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 一般演題ポスターセッション (英語) 045
5月20日（金）16:00 〜17:15 ポスターセッション（Eブロック B2Fホール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
### Pe-046 一般演題ポスターセッション (英語) 046

5月20日（金）16:00 ~ 17:15  ポスター会場（Eブロック B2F ホールE）

#### 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

### Pe-047 一般演題ポスターセッション (英語) 047

5月20日（金）16:00 ~ 17:15  ポスター会場（Eブロック B2F ホールE）

#### 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-048-1  The prevalence and burden of primary headache disorders in adolescents in Mongolia
Otgonbayar Luvsannorov
Mongolian National University of Medical Sciences, Mongolia

Pe-048-2  TOLOSA-HUNT SYNDROME IN A 52 YEAR OLD FILIPINO WOMAN: A CASE REPORT
Jamila Caresses 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
Pe-050 一般演題ポスターセッション (英語) 050

5月20日 (金) 16:00 ~ 17:15 ポスター会場 (Eブロック B2F ホールE)

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

Pe-051 一般演題ポスターセッション (英語) 051

5月21日 (土) 13:15 ~ 14:30 ポスター会場 (Eブロック B2F ホールE)

Cerebrovascular Disease (Basic Research) 3

Chairs: Taizen Nakase
Department of Aging Research & 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
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Author</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Pe-051-2</td>
<td>Serum-derived exosomes treatment for functional recovery after experimental stroke</td>
<td>Kenichiro Hira</td>
<td>Department of Neurology, Juntendo University Faculty of Medicine, Japan</td>
</tr>
<tr>
<td>Pe-051-3</td>
<td>A chronological study of phosphorylated tau expression in acute and chronic ischemic rat models</td>
<td>Yutaka Otsu</td>
<td>Department of Neurology, Brain Research Institute, Niigata University, Japan</td>
</tr>
<tr>
<td>Pe-051-4</td>
<td>LYMPHATIC ENDOTHELIAL CELLS AFTER ISCHEMIC STROKE</td>
<td>Yasuhiro Kuwata</td>
<td>Department of Neurology, Kyoto University Graduate School of Medicine, Japan</td>
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<td>Pe-051-5</td>
<td>withdrawn</td>
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**Pe-052** 一般演題ポスターセッション (英語) 052

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<th>Title</th>
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<th>Institution</th>
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<tbody>
<tr>
<td>Pe-052-1</td>
<td>Identification of the amino-acid residue of tau involved in four repeat tauopathy strain formation</td>
<td>Shotaro Shimonaka</td>
<td>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</td>
</tr>
<tr>
<td>Pe-052-2</td>
<td>Investigation of neuronal cytoplasmic inclusions of hippocampal dentate gyrus of Alzheimer's disease</td>
<td>Hideyuki Moriyoshi</td>
<td>Department of Neurology, Nagoya University Graduate School of Medicine, Japan / Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Japan</td>
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<tr>
<td>Pe-052-3</td>
<td>Increased CSF NFL and YKL-40 in IBMPFD with VCP R155C mutation: a case report and literature review</td>
<td>Masaki Ikeda</td>
<td>Division of General Education (Neurology), Faculty of Health &amp; Medical Care, Saitama Medical University, Japan / Department of Neurology, Gunma University Graduate School of Medicine, Japan</td>
</tr>
</tbody>
</table>
Pe-052-4  Syk inhibitors reduce tau protein phosphorylation and oligomerization
Tomohisa Yamaguchi
Department of Neurology, University of Fukui Hospital, Japan

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-054-1  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 α-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  一般演題ポスターセッション (英語) 055

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 β rhythm
Jun Tanimura
Department of Neurology, Aizawa Hospital, Japan
Impact and characterization of focal task-specific dystonia among professional Japanese golfers

Gajanan S. Revankar
Osaka University, Japan

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

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

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

Long term observation of the cytosolic TDP-43 conformations in the phenotypes of FTLD/ALS in mice
Hideki Wada
Department of Neurology, Shiga University of Medical Science, Japan

Liquid to solid phase transition of full-length TDP-43 in vitro
Jiangkun Lu
Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan

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-058-1  Glycolipid OCH-NCNP1: 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

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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

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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

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Pe-059-3 Transversospinalis involvement in inclusion body myositis
Satoko Ota
Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

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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

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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

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Metabolic disorders and others 2

Chairs: Shigeru Nogawa
Tokai University Hachioji Hospital
Kensho Okamoto
Ehime Prefectural Central Hospital

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Pe-060-1 Diabetic Striatopathy in Pediatric Patient: A reversible and acquired movement disorder Case Report
Annel 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 1 2 malformation without affecting stability
Pankaj K. Singh
All India Institute of Medical Sciences, India

Pe-061  一般演題ポスターセッション (英語) 061
5月21日 (土) 13:15 ~ 14:30 ポスター会場 (Eブロック B2FホールE)

Headache (Clinical Research) 2

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