Cerebrovascular disorder (clinical research 1)

Pe-01-1 Utility of high resolution vessel wall imaging for diagnosis in anterior cerebral artery dissection
Yo Tsuda
Department of Neurology, Nagoya City University Hospital, Japan

Pe-01-2 Concurrent cerebral infarction in four brain areas predicts prolonged necessity of tube feeding
Takaaki Hattori
Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

Pe-01-3 withdrawn

Pe-01-4 Progressive cerebral arterial stenosis in middle aged patients without lifestyle-related diseases
Takahiro Nakayama
Department of Neurology, Yokohama Rosai Hospital, Japan

Pe-01-5 Intensive Blood Pressure Monitoring in Acute ICH Patients with Risk of Resistant Hypertension
Nazla Ananda Rachmi Puti
National Brain Centre Hospital, Indonesia

Pe-01-6 RISK FACTORS AND OUTCOMES IN TWO AGE-GROUPS OF STROKE PATIENTS: A_SINGLE CENTRE OBSERVATION
Deik Roy Chuan
Clinical Research Centre, Seberang Jaya Hospital, Malaysia

Pe-01-7 withdrawn

Pe-01-8 Clinical characteristics of acute simple corpus callosum infarction
Chen Zhulin
Fuxing Hospital affiliated to Capital Medical University, China
Reversible cerebral vasoconstriction syndrome in pediatric patients after heart transplantation
Rika Yamashita
Department of Neurology, Osaka University Graduate School of Medicine, Japan

Strong associations of sarcopenia and frailty with cognitive functions in female MCI and AD
Yasuyuki Ohta
Department of Neurology, Okayama University, Japan

Abnormal synaptic plasticity shown by TMS relates with amyloid accumulation in early staged dementia
Takenobu Murakami
Neurology, Tottori Prefectural Kousei Hospital, Japan / Neurology, Fukushima Medical University, Japan

In vivo mitochondrial and glycolytic impairments in Alzheimer’s disease
Tatsuhiro Terada
Department of Neurology, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

withdrawn

Cerebrospinal fluid Alzheimer’s disease biomarker profiles in meningoencephalitis
Makiko Shinomoto
Kyoto Prefectural University of Medicine, Department of Neurology, Japan

High molecular weight Amyloid β oligomer induces disruption and structural change of cell membrane
Taro Yasumoto
Department of Neurology, School of Medicine, Showa University, Tokyo, Japan / Pharmacological Research Center, Showa University, Tokyo, Japan / Department of Pharmacology, School of Medicine, Showa University, Tokyo, Japan

GILT Expression on Microglia in Alzheimer’s Disease Brains
Jun-ichi Satoh
Department of Bioinformatics, Meiji Pharmaceutical University, Japan

Associations of regional white matter abnormalities with cognitive function in amnestic MCI
Kentaro Hirao
Department of Geriatric medicine, Tokyo Medical University Hospital, Tokyo, Japan

Results of thirty-six-month amyloid PET: continuous reduction in amyloid burden with gantenerumab
Gregory Klein
Roche Pharma Research and Early Development, Switzerland
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<th>Pe-03-1</th>
<th>Cost of Parkinson Disease among Filipino patients seen at a public tertiary hospital in Manila</th>
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<td>Mario Jr. B. Prado</td>
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<td>Philippine General Hospital, Japan</td>
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<td>Pe-03-2</td>
<td>Efficacy of istradefylline for quality of life in Parkinson's disease with freezing of gait</td>
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<td>Mutsumi Iijima</td>
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<td>Department of Neurology Tokyo Women's Medical University, Japan</td>
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<td>Pe-03-3</td>
<td>Effect of deep brain stimulation on metabolic brain network in dystonia: an FDG-PET study</td>
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<td>Koji Fujita</td>
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<td>Department of Neurology, Tokushima University Hospital, Japan</td>
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<td>Pe-03-4</td>
<td>Adenosine A2A receptor occupancy by istradefylline in Parkinson's disease, using 11C-preladenant PET</td>
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<td>Kenji Ishibashi</td>
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<td>Research Team for Neuroimaging, Tokyo Metropolitan Institute of Gerontology, Japan</td>
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<td>Pe-03-5</td>
<td>Early decrease of peripheral blood intermediate monocytes in multiple system atrophy cerebellar-type</td>
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<td>Dai Matsuse</td>
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<td>Department of Neurology, Neurological Institute, Graduate school of Medical Sciences, Kyushu University, Japan</td>
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<td>Pe-03-6</td>
<td>Clinical characteristics of very elderly onset multiple system atrophy</td>
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<td>Hiroaki Sekiya</td>
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<td>Dept. of Neurology, Amagasaki General Medical Center, Japan / Division of Neurology, Kobe University Graduate School of Medicine, Japan</td>
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<td>Pe-03-7</td>
<td>Disproportionately enlarged subarachnoid-space hydrocephalus and striatal dopaminergic dysfunction</td>
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<td>Gohei Yamada</td>
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<td>Department of Neurology, Nagoya City West Medical Center, Japan</td>
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<td>Pe-03-8</td>
<td>The prevalence of neurodegenerative disorders and their effects on the clinical features of NPH</td>
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<td>Anri Hattori</td>
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<td>Department of Neurology, Juntendo University School of Medicine, Japan</td>
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<td>Pe-03-9</td>
<td>Pre-possible MSA phase in diagnosis of multiple system atrophy</td>
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<td>Yasushi Osaki</td>
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<td>Department of Neurology, Kochi Medical School Hospital, Japan</td>
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<td>Pe-03-10</td>
<td>Clinical characteristics of Multiple system atrophy patients with Laryngeal abductor dysfunction</td>
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<td>Yosuke Kokunai</td>
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<td>Department of Neurology, Minoh City Hospital, Japan</td>
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Pe-04 一般演題ポスターセッション（英語）04

Parkinson’s disease-related diseases (basic research 1)

Pe-04-1 withdrawn

Pe-04-2 withdrawn

Pe-04-3 Heterozygous PINK1 variants are partially correlated to the onset of alpha-synucleinopathies
Kenya Nishioka
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-04-4 Analyses of Free Water Imaging Using Common Marmosets Alpha-Synuclein Propagation Model
Ayami Okuzumi
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-04-5 Anti parkinson effect of natural L-DOPA from Vitex negundo in rotenone induced rat model
Vikas Vikas
Sam Higginbottom University of Agriculture, Technology & Sciences, India

Pe-04-6 Clinical and neuropathologic features of progressive supranuclear palsy with cognitive dysfunction
Maya Mimuro

Pe-04-7 Transomics analysis of serum metabolome and serum-exosomal miRNA transcriptome in Parkinson’s disease
Kengo Miyamoto
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-04-8 Region-specific glial dysfunction promotes rotenone neurotoxicity
Ikuko Miyazaki
Dept. of Medical Neurobiology, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceut. Sci., Japan

Pe-04-9 Parkin is modified with O-GlcNAc
Yukiko Maki
Department of Clinical Research, Tokushima National Hospital, Japan

Pe-04-10 withdrawn

Pe-05 一般演題ポスターセッション（英語）05

Motor neuron disease (clinical research 1)

Pe-05-1 Elevation of serum creatine kinase at the onset of sporadic amyotrophic lateral sclerosis
Daisuke Ito
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

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Pe-05-2 Clinical and genetic characteristics in Japanese families with VCP-related multisystem proteinopathy
Takashi Ando
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-05-3 Impact of quantitative assessment of fasciculations in patients with amyotrophic lateral sclerosis
Akihiro Nishida
Department of Neurology, Fukuoka University, Japan

Pe-05-4 Clinical characteristics and prognosis of elderly ALS patients in China
Xiaohan Sun
Peking Union Medical College Hospital, China

Pe-05-5 Novel mutation in DCTN1 in Chinese patients with amyotrophic lateral sclerosis
Jia Lin Chen
Fujian Medical University Union Hospital, China

Pe-05-6 N-terminal fragment of titin is novel and non-invasive biomarker to evaluate disease severity in ALS
Shinichiro Yamada
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-05-7 Medical manual for ALS and Parkinsonism-dementia complex (PDC) of the Kii peninsula of Japan
Yasumasa Kokubo
Kii ALS/PDC Research Center, Mie University, Japan

Pe-05-8 Fibre density changes of corticospinal tract in amyotrophic lateral sclerosis: Fixel-based analysis
Aya Ogura
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-05-9 Clinicoradiological features of olfactory impairment in amyotrophic lateral sclerosis
Michihito Masuda
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-05-10 A Tale of Two Siblings: Two Cases of Spinal Muscular Atrophy Type 2 Among Filipino Siblings
Camille Danica L. Mirhan
Perpetual Succour Hospital, Philippines
Cerebellar ataxia (basic research 1)

Pe-06-1 Increased β-tubulin glutamylation in the ataxia and male sterility mouse hinders neural maturation
Yoshie Ito
Department of Neurology, Shimane University Faculty of Medicine, Japan

Pe-06-2 Establishment of spinocerebellar ataxia type 36 model fly
Tomoya Taminato
Dept Neurotherapeutics, Osaka Univ Grad Sch of Med, Osaka, Japan

Pe-06-3 Genetic screening for potassium channel mutations in autosomal dominant spinocerebellar ataxia
Hiroyuki Morino
Department of Epidemiology, Research Institute for Radiation Biology and Medicine, Hiroshima University, Hiroshima, Japan

Pe-06-4 Effects of the overexpression of TFEB in cellular and mouse models of neurodegenerative diseases
Hiroaki Adachi
Department of Neurology, University of Occupational and Environmental Health School of Medicine, Japan

Pe-06-5 Biochemical analysis of middle-age-onset SCAR caused by a biallelic mutation of HSD17B4
Yukiko Matsuda
Dept. Epidemiology, RIRBM, Hiroshima Univ., Japan

Pe-06-6 Association of FMR1 intermediate alleles with multiple system atrophy
M Asem Almansour
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

Pe-06-7 Genetics and iPSC analysis of the patients with the variants of vacuolar protein sorting 13C gene
Arisa Hayashida
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan

Pe-06-8 Mutation analysis of BSN gene in patients with sporadic progressive nuclear palsy
Masahiro Wakita
Department of Neurology, Hokkaido University, Japan

Pe-06-9 The pathological role of GBA2 in GBA1-related central nervous system disorders
Etsuro Nakanishi
Department of Neurology, Kyoto University Graduate School of Medicine, Japan
### Neuroimmunity (clinical research 2)

<table>
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<tr>
<th>Pe-07-1</th>
<th>Anti-NMDAR positivity in a case of lymphomatosis cerebri (LC) presented with ataxia: a case report</th>
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<th>Pe-07-2</th>
<th>Antibody index of anti-agalactosyl immunoglobulin G antibody as a biomarker of rheumatoid meningitis</th>
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<td>Keiko Hatano</td>
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<th>Pe-07-3</th>
<th>Abnormal alpha rhythm in EEG and disconnected cortical connectivity networks after HPV vaccination</th>
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<td>Yoshiyuki Kuroiwa</td>
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<td>Department of Neurology and Stroke Center, Mizonokuchi Hospital, Teikyo University School of Medicine, Kawasaki, Japan / Medical Office, Ministry of Japan, Tokyo, Japan</td>
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<th>Pe-07-4</th>
<th>Shortened telomere G-tail length in 10 patients with adverse effects after HPV vaccination</th>
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<td>Toshiaki Hirai</td>
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<th>Pe-07-5</th>
<th>Case series of IgG4-related pachymeningitis in the southern of Thailand</th>
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<th>Pe-07-6</th>
<th>Pembrolizumab-related ocular myasthenia gravis and myositis</th>
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<th>Pe-07-7</th>
<th>Cerebral lesions and volume in multiple sclerosis and neuromyelitis optica</th>
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<td>Takahiro Wakasugi</td>
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<th>Pe-07-8</th>
<th>Efficacy of Mycophenolate Mofetil in NMOSD: A Systematic Review</th>
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<td>Sakdipat Songwisit</td>
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<tr>
<th>Pe-07-9</th>
<th>Efficacy of Plasma exchange in NMOSD: A Systematic Review and Meta-analysis</th>
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<td>Punchika Kosiyakul</td>
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<td>Department of Medicine, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand</td>
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### Muscle disease/ Metabolic disease

**Pe-08-1** The role of activated vitamin D for the barrier function of the endomysial endothelium  
Yasuteru Sano  
Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Japan

**Pe-08-2** Histological investigation of necroptosis in anti-SRP myopathy  
Masatoshi Omoto  
Neurology and Clinical Neuroscience, Yamaguchi University, Japan

**Pe-08-3** Electrical excitability of human iPSCs-derived muscle cells  
Tomoya Kubota  
Lab of Clinical neurophysiology, Osaka University Graduate School of Medicine, Japan

**Pe-08-4** 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-08-5** A deficit of short isoform of brain dystrophin impairs excitatory-inhibitory balance in the amygdala  
Yasumasa Hashimoto  
Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Japan / Department of Neurology, Kansai medical university, Japan

**Pe-08-6** Transplantation of capillary stem cells improves skeletal muscle regeneration in muscular dystrophy  
Kohei Kano  
Asahikawa medical University, Department of Medicine, Division of Cardiovascular, Respiratory and Neurology, Japan

**Pe-08-7** withdrawn

**Pe-08-8** Prevalence of Normal Somatosensory Evoked Potential in Subacute Combined Degeneration  
Sung-ju Hsueh  
Department of Neurology, National Taiwan University Hospital Yun-Lin Branch, Taiwan
**Pe-09 一般演題ポスターセッション（英語）09**

**Nerve infection (encephalitis/prion disease 1)**

**Pe-09-1**
A large cohort study of tick-borne encephalitis in Hokkaido
~ It was never a rare disease
Ikuko Takahashi-iwata
Department of Neurology, Hokkaido University, Japan

**Pe-09-2**
Short term prognosis of acute encephalitis about elderly patients
Tatsuo Ihara
Department of Neurology, Otaru General Hospital, Japan

**Pe-09-3**
Possible pleocytosis in patients without meningeal irritation signs
Saori Adachi-Abe
Nitobe Memorial Nakano General Hospital, Japan

**Pe-09-4**
withdrawn

**Pe-09-5**
Neuropathological examination of Creutzfeldt-Jacob disease with Met/Val heterozygosity at codon 129
Akiko Uchino
Department of Neurology, Kitasato University School of Medicine, Japan / Department of Neuropathology, Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology, Japan

**Pe-09-6**
A case of M232R genetic Creutzfeldt-Jakob disease with Lewy bodies
Akio Akagi
Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Japan

**Pe-09-7**
Clinical features and new diagnostic criteria of MM2C type sporadic Creutzfeldt-Jakob disease
Tsuyoshi Hamaguchi
Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Science; Kanazawa, Japan

**Pe-10 一般演題ポスターセッション（英語）10**

**Epilepsy and sleep disorders**

**Pe-10-1**
Diagnostic value of Arterial Spin Labeling in prolonged ictal paresis with poststroke coma
Hiroya Ohara
Department of Neurology, Minami Nara General Medical Center, Japan / Department of Neurology, Nara Medical University School of Medicine, Japan

**Pe-10-2**
Everolimus effects on tuberous sclerosis complex-associated neuropsychiatric disorders
Misako Kunii
Department of Neurology and Stroke Medicine, Yokohama City University, Japan
Pe-10-3 Red slow detected in scalp-EEG from epileptogenic zone of temporal lobe epilepsy
Miwa Takatani
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-10-4 withdrawn

Pe-10-5 withdrawn

Pe-10-6 Plasma prostaglandin D2 synthase levels in sleep and neurological diseases
Keisuke Suzuki
Department of Neurology, Dokkyo Medical University, Japan

Pe-10-7 Sleep disturbances among medical students
Davaadulam Khutagbaatar
Reflex Neurological Clinic, Mongolia

Pe-10-8 POLYSOMNOGRAPHIC PREDICTORS OF RESPONSE TO MILNACIPRAN IN DEPRESSION
Amrit Pattojoshi
Central Institute of Psychiatry, India

Pe-11 一般演題ポスターセッション (英語)11

Cerebrovascular disorder (basic research 1)

Pe-11-1 Co-transplantation of M2 microglia and neural stem cell improves the pathology of cerebral ischemia
Abdullah M. Sheikh
Shimane University, Japan

Pe-11-2 Association of Admitting NIHSS Status and In-hospital Outcomes of Filipino Acute Stroke Patients
Ma. Cielo G. Peligrino
Perpetual Succour Hospital, Philippines

Pe-11-3 Melatonin ameliorates hypoglycemic stress-induced brain endothelial injury by inhibiting TIGAR
Xingfeng Mao
College of Pharmacy, Nanjing Medical University, China

Pe-11-4 Exploration of OPC differentiation under ischemic stroke using BCAS1 immunohistochemistry
Guanhua Jiang
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-11-5 withdrawn
Pe-11-6  In vivo direct reprogramming method of glial lineage to neuronal cells in post-stroke brain
Toru Yamashita
Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

Pe-11-7  Study on exploring related factors among recurrent stroke patients- an example of Mongolian hospital
Monkhsaikhan Jargalsaikhan
Second general hospital of Mongolia, Mongolia

Pe-11-8  Transplantation of amniotic mesenchymal stem cells ameliorates brain damage after cerebral ischemia
Shiro Takahashi
Department of Neurology, Graduate School of Medicine, Nippon Medical School, Japan / Department of Biochemistry and Molecular Biology, Graduate School of Medicine, Nippon Medical School, Japan

Pe-12  一般演題ポスターセッション (英語) 12
Dementia (basic research 1)

Pe-12-1  Clinical characteristics of emergency patients with dementia in a local clinic
Koh Tadokoro
Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan / Department of Neurology, Kurashiki Heisei Hospital, Japan

Pe-12-2  Tricetin as effective antialzheimers potentials through for AChE and BChE enzymes inhibition
Kanika Patel
Sam Higginbottom University of Agriculture, Technology and Sciences, India

Pe-12-3  A cationic gallium phthalocyanine inhibits amyloid beta peptide fibril formation
Shatera Tabassum
Shimane University, Japan

Pe-12-4  Neuroprotective effects of Gossypetin in Alzheimer's disease: In-silico and In-vitro approaches
Dinesh K. Patel
Department of Pharmaceutical Science, Shalom Institute of Health and Allied Sciences, Faculty of Health Sciences, Sam Higginbottom University of Agriculture, Technology and Sciences, India

Pe-12-5  withdrawn

Pe-12-6  Analysis of cerebral small vessel changes in AD model mice
Abu Zaffar Shibly
Shimane University, Faculty of Medicine, Japan
**Pe-12-7** Oral administration of PERAMPANEL to Alzheimer model mice rapidly lowered amyloid-beta levels in ISF
Sakiho Ueda  
Department of Neurology, Kyoto University Graduate School of Medicine, Japan / School of Human Health Sciences Faculty of Medicine Kyoto University, Japan

**Pe-12-8** Effectiveness of galantamine treatment from preplaque phase of APPswe/PS1dE9 mice
Taro Saito  
Department of Neurology, Sapporo Medical University, Japan

**Pe-13** 一般演題ポスターセッション (英語) 13

**Parkinson’s disease-related diseases (clinical research 6)**

**Pe-13-1** A case of Autosomal Dominant Spinocerebellar Ataxia Patient in District Hospital  
Bolortsetseg Davaasuren  
Medical Center of Bayangol District, Mongolia

**Pe-13-2** withdrawn

**Pe-13-3** Altered GABAAergic and dopamine systems in early Parkinson's disease: a PET study  
Hirotugu Takashima  
Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders, Japan / Department of Biofunctional Imaging, Hamamatsu University School of Medicine, Japan

**Pe-13-4** STUDY OF EXERCISE AND PHYSICAL ACTIVITY TO DELAY PROGRESSION IN PARKINSON’S DISEASE: STUDY DESIGN  
Noriko Kawashima  
Kawashima Neurology Clinic, Japan

**Pe-13-5** Effectiveness of table tennis exercise on symptoms of Parkinson disease  
Kenichi Inoue  
Department of Neurology, Fukuoka University School of Medicine, Japan / Department of Neurology, Murakami Karindoh Hospital, Japan

**Pe-13-6** withdrawn

**Pe-13-7** Cerebello-basal ganglia network relates to motor severity and cognition in Parkinson’s disease  
Kazuya Kawabata  
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

**Pe-13-8** Usefulness of early detection of Parkinson’s disease in combination of foot-tapping and tandem gait  
Yuki Kitazaki  
Department of Neurology, Fukui Ken Saiseikai Hospital, Japan / Department of neurology, University of Fukui Hospital, Japan
Pe-13-9 White matter alterations in Multiple System Atrophy-parkinsonian variant
Takashi Ogawa
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-13-10 Factors related to the development of dementia in Parkinson's Disease
Kuni Konaka
Osaka Yukioka College for Health Science Faculty of Health Science Department of Physical Therapy, Japan / Osaka university graduate school of medicine Department of Neurology, Japan

Pe-14 Motor neuron disease (basic research 1)

Pe-14-1 ADAR2 downregulation is a cause of death not only in ALS motor neurons but also in cultured cells
Takashi Hosaka
Department of Neurology, Faculty of Medicine, University of Tsukuba, Tsukuba, Ibaraki, Japan / Department of Internal Medicine, Ibaraki Western Medical Center, Tsukuba University Hospital Ibaraki Western Area Medical Education Center, Chikusei, Ibaraki, Japan

Pe-14-2 Exploration of pathogenesis for upper motor neuron dysfunction of sporadic ALS employing model mice
Takuto Hideyama
Department of Neurology, Tokyo Medical University, Japan / Department of Molecular Neuropathogenesis, Tokyo Medical University, Japan

Pe-14-3 Mutational and functional analysis of the CHCHD2 gene in amyotrophic lateral sclerosis
Aya Ikeda
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-14-4 Axonal pathology in amyotrophic lateral sclerosis with TARDBP mutations
Shio Mitsuzawa
Department of Neurology, Tohoku University Graduate School of Medicine, Japan

Pe-14-5 A behavior-based drug screening system using Caenorhabditis elegans models of motor neuron disease
Makoto Hideshima
Department of Neurology, Osaka University Graduate School of Medicine, Japan

Pe-14-6 C9orf72-derived PR poly-dipeptides target Kap beta-2 through NLS binding site and dysregulate LLPS
Hitoki Nanaura
Department of Neurology, Nara Medical University, Japan

Pe-14-7 Toxic PR poly-dipeptides encoded by the C9orf72 repeat expansion alter actin dynamics
Tomo Shiota
Department of Neurology, Nara Medical University, Japan
Pe-14-8 Multimerization of TDP-43 plays a key role in determination of its subcellular localization
Kotaro Oiwa
Dept Neurol, Grad Sch Med, Nagoya Univ, Nagoya, Japan / Dept Neurosci Pathobiol, RIEM, Nagoya Univ, Nagoya, Japan

Pe-14-9 Genetic screening for genes involved in degradation of G4C2 repeat RNA in C9-ALS/FTD
Midori Yoshikawa
Dept Neurotherapeutics, Osaka Univ Grad Sch of Med, Osaka, Japan

Pe-14-10 SynGAP 3’UTR mutation from ALS cohort causes aberrant FUS-SynGAP mRNA regulation and spine formation
Satoshi Yokoi
Department of Neurology, Nagoya University Graduate School of Medicine, Nagoya, Japan

Pe-15 Motor neuron disease (SBMA)

Pe-15-1 Elucidation of 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-15-2 Presymptomatic exercise attenuates motor dysfunction in a mouse model of SBMA
Tomoki Hirunagi
Nagoya University Graduate school of medicine, Department of Neurology, Japan

Pe-15-3 Potential paracrine mechanisms involved in SBMA pathogenesis
Kentaro Sahashi
Department of Neurology, Nagoya University, Japan

Pe-15-4 Genotype-phenotype correlation study of Neuronal Intranuclear Inclusion Disease
Shota Shibata
Department of Neurology, The University of Tokyo Hospital, Japan

Pe-15-5 Evaluation of efficacy of leuprorelin acetate for the subjects with SBMA using real world data
Atsushi Hashizume
Nagoya University Hospital, Department of Neurology, Japan

Pe-15-6 Molecular mechanism of protein aggregation of mutant SOD1 in canine ALS-like disease
Shintaro Kimura
The United Graduate School of Veterinary Sciences, Gifu University, Japan
Pe-15-7 Quantitative analysis of the spinal cord with diffusion tensor imaging in ALS-like disease in dogs
Eiji Naito
Joint Graduate School of Veterinary Sciences, Gifu University, Japan

Pe-15-8 Clinicopathological investigation of target fiber in amyotrophic lateral sclerosis
Kentaro Hara
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan

Pe-15-9 Dissection of developmental motor-neuron defects in spinal muscular atrophy
Mayumi Kataoka
Nagoya University School of Medicine, Japan / Department of Neurology, Nagoya University
Graduate School of Medicine, Japan

Pe-16 Cerebellar ataxia (clinical research 2)

Pe-16-1 Quantitative evaluation of Multiple system atrophy patients’ gait by triaxial accelerometers
Shinichi Shirai
Department of Neurology, Hokkaido University, Japan

Pe-16-2 Epidemiological study of multiple system atrophy in Hokkaido: the 5 year’s registry data of HoRC-MSA
Masaaki Matsushima
Department of Neurology, Hokkaido University, Japan

Pe-16-3 Nationwide survey on idiopathic cerebellar ataxia, in collaboration with Japan Consortium of Ataxias
Kunihiro Yoshida
Division of Neurogenetics, Department of Brain Disease Research, Shinshu University School of Medicine, Japan

Pe-16-4 A Novel device for quantitative evaluation of upper limb movements in the patients with SCD
Yoshiyuki Kishimoto
Department of Neurology Nagoya University Graduate School of Medicine, Japan

Pe-16-5 Development of a clinical rating scale for DRPLA: insight from a retrospective study
Nanaka Yamaguchi
Department of Neurology, University of Tokyo, Graduate School of Medicine, Japan

Pe-16-6 Analysis of genetic testing for spinocerebellar ataxia
Mayu Sakurai
Department of Neurology, Juntendo University School of Medicine, Japan
Pe-16-7  Single-cell RNA-sequencing analysis on human brainstem organoids
Kaoru Kinugawa
Department of Neurology, Nara Medical University, Japan

Pe-16-8  Utility of stabilography in probable cerebellar-type Hashimoto's encephalopathy
Masako Kinoshita
Department of Neurology, National Hospital Organization Utano National Hospital, Japan

Pe-17  一般演題ポスターセッション（英語）17

Neuroimmunity (clinical research 3)

Pe-17-1  Impaired B cell tolerance permits the early emergence of pathogenic autoantibody production in NMOSD
Akiko Nagaishi
Department of Neurology, NHO Nagasaki Kawatana Medical Center, Japan / Autoimmune Neurology Group, Nuffield Department of Clinical Neurosciences, John Radcliffe Hospital; University of Oxford, UK

Pe-17-2  Difference in the optic neuritis prognosis in patients with MS, AQPAD, and MOGAD
Hiroki Masuda
Department of Neurology, Graduate School of Medicine, Chiba University, Japan

Pe-17-3  MOG-IgG is not detected in cases with neuropathy: preliminary study of 37 cases
Kimihiko Kaneko
Department of Neurology, NHO Miyagi National Hospital, Japan / Department of Neurology, Tohoku University School of Medicine, Japan

Pe-17-4  Clinical features of MOG antibody-positive and AQP4 antibody-positive NMO spectrum disorders
Tomotaka Mizoguchi
Division of Neurology, Department of Medicine, Nihon University School of Medicine, Japan

Pe-17-5  Treatment response in relapsing anti-MOG antibody-positive optic neuritis: Analysis of logMAR change
Satoru Oji
Department of Neurology, Saitama Medical Center, Saitama Medical University, Japan

Pe-17-6  Risk HLA-DRB1 alleles differentially influence MRI parameters in Japanese with multiple sclerosis
Shoko Fukumoto
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

Pe-17-7  Evaluation of serum LOTUS as a biomarker of neuroinflammation
Keita Takahashi
Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine, Japan
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<td>Pe-17-8</td>
<td>The immunological features in peripheral blood from multiple sclerosis patients sustaining NEDA-3</td>
<td>Misako Minote (Department of Immunology, National Center of Neurology and Psychiatry, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan)</td>
</tr>
<tr>
<td>Pe-17-9</td>
<td>Clinical and electrophysiological features among the Mongolian patients with myasthenia gravis</td>
<td>Munkhbayar Rentsenbat (Reflex Neurological Clinic, Mongolia)</td>
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### Pe-18 一般演題ポスターセッション (英語) 18

#### Neuroimmunity (basic research 1)

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<td>Pe-18-1</td>
<td>Modulation of EAE by Mycobacterium avium subsp. paratuberculosis-specific mucosal immune response</td>
<td>Davide Cossu (Juntendo University School of Medicine, Department of Neurology, Tokyo, Japan / Juntendo University School of Medicine, Advanced Research Institute for Health Science, Tokyo, Japan)</td>
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<tr>
<td>Pe-18-2</td>
<td>DNA/RNA heteroduplex oligonucleotide technology for regulating activated microglia and macrophages</td>
<td>Rieko Nishi (Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan)</td>
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<td>Pe-18-3</td>
<td>Anti NMDAR encephalitis in a 28/F with Ovarian Follicular Cyst presenting with Status Epilepticus</td>
<td>Michael A. Bonilla (St Paul's Hospital Iloilo Philippines, Philippines)</td>
</tr>
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<td>Pe-18-4</td>
<td>withdrawn</td>
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<tr>
<td>Pe-18-5</td>
<td>Comparative study of various angiotensin receptor blockers on experimental autoimmune neuritis</td>
<td>Hideo Kihara (Toho University Medical Center Ohashi Hospital, Japan)</td>
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<td>Pe-18-6</td>
<td>FTY may precipitate BBB dysfunction induced by IgG from NMOSD patients</td>
<td>Shunsuke Yoshimura (Department of Neurology and strokology, Nagasaki University Hospital, Japan)</td>
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<td>Pe-18-7</td>
<td>Protection of brain lesion expansion and cortical atrophy by Vd2+ gd T cells in multiple sclerosis</td>
<td>Takuya Matsushita (Department of Neurology, Graduate School of Medical Sciences, Kyushu University, Japan)</td>
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</table>
Long-term use of fingolimod in multiple sclerosis normalizes the Vd1/Vd2 ratio in gd T cells
Mitsuru Watanabe
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

Protective effects of rice on multiple sclerosis susceptibility via CD4+ effector T cell reduction
Ayako Sakoda
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

T cell response to MOG peptides in anti-MOG antibody positive patients
Hirohiko Ono
Department of Neurology, Tohoku University School of Medicine, Japan

Becker muscular dystrophy: Biopsy may not lead to its diagnosis
Yasushi Oya
Dept of Neurol, National Center of Neurology & Psychiatry (NCNP), Japan

Alterations of sarcotubular system in permanent myopathy of hypokalemic periodic paralysis
Takamura Nagasaka
Dept. of Neurology, Faculty of Medicine, University of Yamanashi, Japan

The Damage of Autonomic Nervous System Dysfunction and Cerebral Auto-regulation in MELAS Patients
Di Ma
Neurology Department, Peking University First Hospital, Beijing, China

Eosinophilic fasciitis with anti-signal recognition particle antibodies: a case report
Yiming Zheng
Peking University First Hospital, China

Analysis of clinical characteristics of patients with paraneoplastic neurological syndromes
Jun Sawada
Asahikawa Medical University, Department of Neurology, Japan

Characteristics of arm tremors in primary orthostatic tremor
Jun Tashiro
Sapporo Parkinson MS Neurological Clinic, Japan
Pe-19-9 Bilateral facial nerve palsies from leptomeningeal malignancy: response to osimertinib: case report
Mark W. Faragher
Neurology Department, Alfred Hospital, Australia / Department of Neurosciences, Monash University, Australia / Peter MacCallum Cancer Institute, Australia

Pe-19-10 Septo-Optic Dysplasia with Pachygyria in a 34 year old Filipino Woman: A Case Report
Rey Alfred E. Inting
Perpetual Succour Hospital, Philippines

Pe-20-1 Effects of cerebellar intermittent theta burst stimulation on vestibular reflexes
Ken Johkura
Department of Neurology, Yokohama Brain and Spine Center, Japan

Pe-20-2 The evaluation of nerve activity using magnetic field measurement and positional information by US
Miho Akaza
Respiratory and Nervous System Science, Biomedical Laboratory Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan

Pe-20-3 ISA is associated with transient cortical dysfunction and hyperperfusion in Moyamoya disease
Kozue Hayashi
Department of Neurology, Kyoto University, Japan

Pe-20-4 Cerebral Hemodynamic changes in chronic alcohol dependent patients induced by Naltrexone challenge
Krishna Priyambada
Hitech Medical College, India

Pe-20-5 withdrawn

Pe-20-6 Lack of personal social network in abused demented patients
Norimasa Mitsuma
Department of Neurology, Meitetsu Hospital, Japan

Pe-20-7 withdrawn

Pe-20-8 The de novo hotspot variant in SCN3A cause polymicrogyria: report of patients and literature review
Satoko Miyatake
Clinical Genetics Department, Yokohama City University Hospital, Japan

Pe-20-9 Insulin as a memory substance
Shozo Kito
Shonan Hospital, Japan
### Cerebrovascular disorder (cerebral small vessel disease)

**Pe-21-1**  
Clinical features of stroke with cerebral microbleeds (CMBs): Comparison with stroke without CMBs  
Aki Arai  
Department of Neurology, Saitama Prefectural Rehabilitation Center, Japan

**Pe-21-2**  
Headache and CAA-related intracerebral hemorrhage: a nationwide study in Japan  
Kenji Sakai  
Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan

**Pe-21-3**  
Analysis of 13 Cases of adult PCNSV  
Hitomi Onomura  
Department of Neurology, TOYOTA Memorial Hospital, Japan

**Pe-21-4**  
The Role of Cnm Positive Streptococcus mutans in the Development of Intracerebral Hemorrhage  
Shuichi Tonomura  
Department of Neurology, Graduate School of Medicine, Kyoto University, Japan / Department of Neurology, National Cerebral and Cardiovascular Center, Japan

**Pe-21-5**  
The Mitochondria Transfer Effect From Astrocyte To Glial Cells Under Chronic Cerebral Hypoperfusion  
Nobukazu Miyamoto  
Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-21-6**  
Diabetes and Obesity promote activation-dynamics of Vessel-Associated Microglia in hypertensive rats  
Takashi Koizumi  
Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan / Department of Pharmacology-Toxicology, Maastricht University, the Netherlands / MHeNS - School for Mental Health and Neuroscience, Maastricht University, the Netherlands

**Pe-21-7**  
Nuclear export and reduced enzyme activity of TREX1 improve cell growth arrest due to RVCL mutation  
Shoichiro Ando  
Department of Neurology, Brain Research Institute, Niigata University, Japan

### Dementia (clinical research 3)

**Pe-22-1**  
Correlation of Abeta toxic conformer and tau in CSF obtained from controls, a preliminary study  
Yasuhi Tomidokoro  
Faculty of Medicine (Neurology), University of Tsukuba, Japan
Pe-22-2  Clinical features and course of Diabetes-related Dimentia
Naoto Takenoshita
Department of Geriatric Medicine, Tokyo Medical University, Japan

Pe-22-4  Melissa officinalis extract containing rosmarinic acid for Alzheimer's disease
Moeko Shinohara
Department of Neurology and Neurobiology of Aging, Kanazawa University, Japan / Department of Preemptive Medicine for Dementia, Kanazawa University, Japan

Pe-22-5  Medical interventions suppressed progression of advanced Alzheimer's disease more than mild
Yasuyuki Honjo
Department of Neurology, Kyoto Miniren Asukai Hospital, Japan / Department of Neurology, Biwako-Yoikuin Hospital, Japan / Department of Neurology, Kyoto-Kaisei Hospital, Japan / Department of Neurology, Seika-cho National Health Insurance Hospital, Japan

Pe-22-6  Clinical Correlation of Alzheimers Pathology in Pathological Confirmed Early vs Late-onset DLB
Simon Kang Seng Ting
National Neuroscience Institute, Singapore / Singapore General Hospital, Singapore

Pe-23-1  Levodopa metabolic profiles in Parkinson's disease patients treated with various enzymic inhibitors
Akiko Chukyo
Department of Neurology, Juntendo University School of Medicine, Japan / Department of Pharmacy, Juntendo University Hospital, Japan

Pe-23-2  Chronic administration of Rotigotine improve lower urinary tract function in PD rat model
Takeya Kitta
Department of Urology, Hokkaido University Hospital, Japan

Pe-23-3  The a-syn filaments in exosomes are useful biomarker for Parkinson's disease
Yuta Ishiguro
Juntendo University School of Medicine, Department of Neurology, Japan

Pe-23-4  Mitochondrial dysfunction in mice model for prodromal Parkinson's disease: a metabolomic analysis
Masashi Ikuno
Department of Neurology Kyoto University Graduate School of Medicine, Japan
Inhibition of SNCA Propagation by locally injected ASO in wt mice
Tatsuhiko Sano
Department of Neurology and Neurological Sciences, Tokyo Medical and Dental University, Graduate School of Medical and Dental Sciences, Japan / Center for Brain Integration Research (CBIR), Tokyo Medical and Dental University (TMDU), Japan

Identification of receptor for neuronal uptake and propagation of alpha-Synuclein fibrils
Shun Ishiyama
Department of Neurology, Tohoku University Graduate School of Medicine, Japan

GSH improves membrane potential and calcium without mitochondrial accumulation in Parkin(-) cells
Tohru Kitada
Otawa-Kagaku, Japan

Alpha-synuclein affects epigenetic profiles through interacting with BAF complex
Naoto Sugeno
Department of Neurology, Tohoku University, Japan

Alpha-Synuclein Phosphorylation By Homocysteine
Soichi Enomoto
Department of Neurology, Faculty of Medical Sciences, University of Fukui, Japan

Mutational analysis of amyotrophic lateral sclerosis with KIF5A mutations in the Japanese series
Hiroya Naruse
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

Hemiplegic type ALS: Clinicopathological features of two autopsied patients
Makoto Sainouchi
Department of Pathology, Brain Research Institute, Niigata University, Japan

DDX5 accumulates in neuronal cytoplasmic inclusions with TDP-43 in SALS
Mikiko Tada
Dept. of Neurology and Stroke medicine, Yokohama City University Graduate School of Medicine, Japan

Ubiquitin modification of TDP-43 positive neuronal cytoplasmic inclusions in ALS
Yoshiaki Nakayama
Department of Neurology, Wakayama Medical University, Japan
Pe-24-5  Spreading of TDP-43 via direct corticospinal connections in mouse models
Shintaro Tsuboguchi
Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-24-6  TDP-43 pathology of the lower motor neurons in tau-related disorders
Yuichi Riku
Inst. for Medical Science of Aging, Aichi Med. Univ., Japan / Dept. of Neurology, Nagoya Univ., Japan

Pe-24-7  Characteristic features of FUS inclusions in spinal motor neurons of sporadic ALS
Kensuke Ikenaka
Department of Neurology, Osaka University Graduate School of Medicine, Japan

Pe-24-8  Therapeutic effects of bone marrow-derived neuroprotective microglia in ALS model mice
Shuhei Kobashi
Division of Neurology, Department of Medicine, Shiga University of Medical Science, Japan / Department of Stem Cell Biology and Regenerative Medicine, Shiga University of Medical Science, Japan

Pe-24-9  CCR2 is localized in microglia and neurons, as well as infiltrating monocytes, in ALS mice
Hiroyasu Komiya
Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine, Japan

Pe-25 一般演題ポスターセッション (英語) 25

Headache/other 1

Pe-25-1 withdrawn

Pe-25-2  Is Electro Myogram (EMG) Biofeedback Training for Migraine Headache Effective?
Madhu Nayak
Netaji Subhash Chand Bose Medical College, India

Pe-25-3  Reappraisal of abnormal EEG in migraine by wide-band EEG: a pilot study
Kyoko Hosokawa
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-25-4 ASSOCIATION POLYMORPHISM MTHFR GENE WITH ACUTE ISCHEMIC STROKE WITHIN THE PATIENTS WITH MIGRAINE
Dmytro D. Sotnikov
Sumy State University, Ukraine
The prevalence of primary headache disorders among the Mongolian adolescents and children
Selenge Enkhtuya
Reflex Neurological Clinic, Mongolia / Mongolian National University of Medical Sciences, Mongolia

Association between burnout and primary headache disorders among the medical staffs
Saruultsetseg Byambadorj
The First State Central Hospital, Mongolia

Association between low body temperature and cortical spreading depression
Eiji Kitamura
Kitasato University, School of Medicine, Japan

withdrawn

Spreading Depression (CSD) is accompanied by mitochondrial oxidation wave, dependent on intravascular oxygen
Hitoshi Maeda
Uekusagakuen university, Department of Rehabilitation, Faculty of Health Sciences, Japan

Sumatriptan and olcegepant can reverse the CSD-induced photophobic behavior and hypomotility in mice
Chunhua Tang
Department of Neurology, Keio University School of Medicine, Japan

Neuroradiology (clinical research)

Biopathological Significance of Early-Phase Amyloid Imaging in the Spectrum of Alzheimer's Disease
Tomoyasu Bunai
Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine, Japan

Neurocognitive profile of patients undergoing Coronary Artery Bypass Graft compare to Angioplasty
Sharda Singh
All India Institute of Medical Sciences, Raipur, Chhatisgarh, India

Manual Pressure Release vs Kinesio Taping in Reducing Myofascial Pain in Filipino Computer Gamers
Mary Laurenz J. Barbaton
Saint Paul University Iloilo Philippines, Philippines

Task-Oriented Mirror Therapy with FES vs Task-Specific Training with FES in Post-Stroke Arm Recovery
Michaela Angelica V. Tajanlangit
Saint Paul University Iloilo Philippines, Philippines
Pe-26-5  Neuronal metabolism and inflammation in functional somatic syndrome with the HPV vaccination history
Takashi Matsudaira
Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine, Japan / NHO, National Epilepsy Center, Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

Pe-26-6  Altered functional connectivity in respiratory impairment
Akiko Yorita
Division of Respirology, Neurology, and Rheumatology, Department of Internal Medicine, Kurume University School of Medicine, Japan

Pe-26-7  Eye opening shapes inhibitory synaptic transmission in the neocortex
Yong-chun Yu
Fudan University, China

Pe-26-8  withdrawn

Pe-27 一般演題ポスターセッション(英語) 27

Others 3

Pe-27-1  Efficient gene suppression by DNA/DNA double-stranded oligonucleotide in vivo
Yutaro Asami
Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, and Center for Brain Integration Research, Tokyo Medical and Dental University, Japan

Pe-27-2  Direct reprogramming of somatic urine-derived cells to generate multiple neuronal cell lineages
Mitsuto Sato
Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan

Pe-27-3  Analysis of red blood cell velocity in intraparenchymal capillaries and arterial diameter in mice
Yutaka Tomita
Department of Neurology, Keio University School of Medicine, Japan / Tomita Hospital, Japan

Pe-27-4  Clinical course and their relation with tau PET features of patients harboring MAPT p.K298_H299insQ
Yuri Yamashita
Department of Neurology, Faculty of Medicine, Juntendo University, Japan / Aging Biology in Health and Disease, Graduate School of Medicine, Juntendo University, Japan

Pe-27-5  The relationship between cognitive functions and driving in patients with Parkinson disease
Hidetada Yamada
Department of Neurology, National Hospital Organization Higashihiroshima Medical Center, Japan
\textbf{Pe-27-6} \quad \text{Quantification of caffeine levels in patients with Parkinson's disease and multiple system atrophy}

Takuma Ohmichi
Department of Neurology, Kyoto Prefectural University of Medicine, Kyoto, Japan

\textbf{Pe-27-7} \quad \text{A Qualitative Evaluation of Patients Preference on Immediate and Extended Release Pramipexole}

Rajakumar Sutha
Seberang Jaya Hospital, Malaysia

\textbf{Pe-28} \quad \text{Cerebrovascular disorder (others)}

\textbf{Pe-28-1} \quad \text{SATURN: Stroke and Tocotrienols: unique role in neuroprotection (Protocol)}

Hong Chuan Loh
Clinical Research Center, Hospital Seberang Jaya, Malaysia

\textbf{Pe-28-2} \quad \text{Acute Ischemic stroke and Diabetes Mellitus}

Tsengelbayar Badam
Neurologist, The First State Center Hospital, Mongolia

\textbf{Pe-28-3} \quad \text{Microglia-astrocyte crosstalk in the peri infarct area after stroke in rats}

Chikage Kijima
Department of Neurology, Juntendo University School of Medicine, Japan

\textbf{Pe-28-4} \quad \text{Oxygen-glucose deprivation and reperfusion compromises lipid metabolism in human cerebral organoids}

Naoki Iwasa
Department of Neurology, Nara Medical University, Japan

\textbf{Pe-28-5} \quad \text{CRTC2 played an important role under ischemic conditions at endothelial cells via p190RhoGAP A}

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

\textbf{Pe-28-6} \quad \text{The Effect of Nicotine on the Chronic Inflammation via cAMP-CRTC2 signaling in Endothelial Cells}

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

\textbf{Pe-28-7} \quad \text{Identification of non-neural cells induced in human cerebral organoids}

Takeshi K Matsui
Department of Neurology, Nara Medical University, Japan
Dementia (basic research 2)

Pe-29-1 Light exercise induces ischemic tolerance through modulation of microRNAs in the gerbil hippocampus
Tadayuki Takata
Department of General Medicine, Kagawa University Faculty of Medicine, Japan / Department of Neurology, Kagawa University Faculty of Medicine, Japan

Pe-29-2 Impaired myelination reduces synchronous neural activity required for learning
Daisuke Kato
Department of Anatomy and Molecular Cell Biology, Nagoya University Graduate School of Medicine, Japan

Pe-29-3 withdrawn

Pe-29-4 SV2B rather than SV2A preferably interacts with BACE1 as a negative regulator of APP processing
Masakazu Miyamoto

Pe-29-5 Efficacy of edaravone for A-beta pathology in AD model mice with chronic cerebral hypoperfusion
Yosuke Osakada
Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan

Pe-29-6 Lithium chloride reduces phosphorylated tau protein
Rei Asano
Department of Neurology, University of Fukui Hospital, Japan

Pe-29-7 Transplantation of Mesenchymal Stem Cells Improves A-beta Pathology by Modifying Microglial Function
Kazuki Yokokawa
Department of Neurology, School of Medicine, Sapporo Medical University, Japan

Pe-29-8 GAL3BP suppresses Amyloid beta production by modulating beta-cleavage of amyloid precursor protein
Tsuneyoshi Seki
Division of Neurology/Molecular Brain Science, Kobe University Graduate School of Medicine, Japan

Parkinson's disease-related diseases (basic research 3)

Pe-30-1 Identifying a novel causative gene associated with familial Parkinson's disease
Kensuke Daida
Department of Neurology, Juntendo University School of Medicine, Japan
Pe-30-2 Immunohistological study of immunocytes in 6-OHDA-induced lesion in a rat Parkinson's disease model
Syuichirou Suzuki
Department of Neurology, School of Medicine, Sapporo Medical University, Japan

Pe-30-3 Searching for genetic modifiers in PRKN
Kotaro Ogaki
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan

Pe-30-4 Effects of serotonergic drugs on hyperlocomotive dopamine-deficient mice
Yukiko Ochiai
Tokyo Metropolitan Institute of Medical Science, Japan / Tokyo Metropolitan Neurological Hospital, Japan

Pe-30-5 Development of PD mouse models with alpha-synuclein injection for assessment of chemical efficacy
Tomohiro Ishimaru
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-30-6 Genetic analysis of VPS13A/B/D: paralogous genes of VPS13C in Parkinson's disease
Hiroyo Yoshino
Research Institute for Diseases of Old Age, Graduate School of Medicine, Juntendo University, Japan

Pe-30-7 Effects of Anthocyanins-rich black plums extract on rotenone-Induced Mouse Model of PD
Deepika Singh
SHUATS, Prayagraj, India

Pe-30-8 The effect of serine 129 phosphorylation of alpha-synuclein on neurotoxicity in PLK2 knock out mice
Hiroyasu Sato
Division of Neurology and Clinical Neuroscience, Department of Internal Medicine III, Yamagata University School of Medicine, Japan

Pe-30-9 Next-generation sequencing expand the possibilities to detect more variants in Parkinson's disease
Yuanzhe Li
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-31 一般演題ポスターセッション（英語）31

Peripheral neuropathy (clinical study 2)

Pe-31-1 A new method for evaluation of myelinated nerve fiber distribution in sural nerve specimens
Ryota Sato
Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Japan
Pe-31-2 Utility of vagus nerve measurement using ultrasound as a screening test for patients with CIDP
Jun Tsugawa
Stroke Center Fukuoka University Chikushi Hospital, Japan

Pe-31-3 Longitudinal change in nerve ultrasound parameters in Charcot-Marie-Tooth disease Type 1A
Yu-ichi Noto
Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

Pe-31-4 Investigating Kinesins as potential therapeutic targets of axonal degeneration by Drosophila models
Fukiko Kitani-morii
Department of Neurology, Kyoto Prefectural University of Medicine, Japan / Department of Applied Biology, Kyoto Institute of Technology, Japan

Pe-31-5 Soluble factors of Schwann cells and Schwann cell-derived stem cells promoting tissue regeneration
Toshihiro Masaki
Department of Medical Science, Teikyo University of Science, Japan

Pe-31-6 Pathophysiology of Neuroaxonal dystrophy in Gracile Axonal Dystrophy mice
Yusuke Tokuhara
Department of Internal Medicine, Division of neurology, Hyogo College of Medicine, Japan

Pe-31-7 Anti-GM1 antibodies impair membrane rafts glycolipids and decrease of exosome released in PC12 cells
Akihiro Ueda
Department of Neurology, Fujita Health University School of Medicine, Japan

Pe-31-8 An Attempt to Induce Chronic Alcoholic Neuropathy Model in Rat
Takafumi Uchi
Toho University Graduate School of Medicine, Department of Internal Medicine, Division of Neurology, Japan

Pe-32 一般演題ポスターセッション（英語）32

Neuroimmunity (autoimmune encephalitis 2)

Pe-32-1 TMEM119+GLUT5+P2RY12- activated microglia relate to distal oligodendrogliopathy in Baló’s disease
Katsuhiisa Masaki
Department of Neurology, Kyushu University, Japan

Pe-32-2 Comparison of the main symptoms of initial episode and relapses in anti-NMDA receptor encephalitis
Satoshi Hirose
Division of Neurology, Department of Internal Medicine, Nihon University School of Medicine, Japan
Pe-32-3 Calcium channels antibody-associated paraneoplastic disorders other than Lambert-Eaton syndrome
  Takashi Irioka
  Department of Neurology, Yokosuka Kyosai Hospital, Japan

Pe-32-4 Skeletal muscle involvement related to primary systemic vasculitis in the early phase of disease
  Yasuhiro Shimojima
  Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine, Japan

Pe-32-5 Clinical characteristics of anti-MOG antibody positive tumefactive demyelinating lesions
  Rimi Hino-inoue
  The University of Tokyo, Department of Neurology, Tokyo, Japan

Pe-32-6 withdrawn

Pe-33 一般演題ポスターセッション（英語）33

Others 4

Pe-33-1 withdrawn

Pe-33-2 Difference between plasma-derived and serum-derived extracellular vesicles
  Xiaoman Zhang
  Department of Neurotherapeutics, Osaka university Graduate School of Medicine, Japan

Pe-33-3 withdrawn

Pe-33-4 Diagnosis of Alzheimer’s Disease using the Expert System Based on Tsukamoto Fuzzy Algorithm
  Rifaldy Fajar
  Yogyakarta State University, Indonesia

Pe-33-5 Failure in autophagic cytoprotective responses elicited by Clioquinol kills astrocytic KT-5 cells
  Yasuaki Mizutani
  Department of Neurology, Fujita Health University School of Medicine, Japan

Pe-33-6 Phosphorylated TDP-43 localizes to atherosclerotic lesions of human carotid and cerebral arteries
  Takahiko Umahara
  Department of Neurology, Mizuno Memorial Rehabilitation Hospital, Japan / Departments of Geriatric Medicine, Tokyo Medical University, Japan

Pe-33-7 Tau plays a key role in adult hippocampal neurogenesis alteration caused by environmental changes
  Nobuyuki Iwade
  Department of Neurology, Nagoya Univ. Grad. Sch. of Med., Japan
Pe-33-8  Gene Transduction Efficiency of Adeno-Associated Virus Vector to Neural Stem Cells In Vivo
Yoshihide Sehara
Div Genetic Ther, Center Mol Med, Jichi Med Univ, Japan

Pe-33-9  In-vitro gene transfer system using nanobubbles and sonoporation in glial cells
Hiroshi Kida
Department of Anatomy, Fukuoka University School of Medicine, Japan

Pe-33-10 Brainstem organoids from human pluripotent stem cells accommodate multiple types of cell population
Nobuyuki Eura
Department of Neurology, Nara Medical University, Japan