

## 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**Pe-01-3** withdrawn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 Putri

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**Pe-01-7** withdrawn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

**Pe-01-9** Reversible cerebral vasoconstriction syndrome in pediatric patients after heart transplantation  
Rika Yamashita  
Department of Neurology, Osaka University Graduate School of Medicine, Japan

**Pe-02 一般演題ポスターセッション (英語) 02**

**En**

**Dementia (biomarker, test method 2)**

**Pe-02-1** Strong associations of sarcopenia and frailty with cognitive functions in female MCI and AD  
Yasuyuki Ohta  
Department of Neurology, Okayama University, Japan

**Pe-02-2** 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

**Pe-02-3** In vivo mitochondrial and glycolytic impairments in Alzheimer's disease  
Tatsuhiko Terada  
Department of Neurology, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

**Pe-02-4** withdrawn

**Pe-02-5** Cerebrospinal fluid Alzheimer's disease biomarker profiles in meningoencephalitis  
Makiko Shinomoto  
Kyoto Prefectural University of Medicine, Department of Neurology, Japan

**Pe-02-6** High molecular weight Amyloid  $\beta$  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

**Pe-02-7** GILT Expression on Microglia in Alzheimer's Disease Brains  
Jun-ichi Satoh  
Department of Bioinformatics, Meiji Pharmaceutical University, Japan

**Pe-02-8** Associations of regional white matter abnormalities with cognitive function in amnesic MCI  
Kentaro Hirao  
Department of Geriatric medicine, Tokyo Medical University Hospital, Tokyo, Japan

★ **Pe-02-9** Results of thirty-six-month amyloid PET:  
(APe-01-4) continuous reduction in amyloid burden with gantenerumab  
Gregory Klein  
Roche Pharma Research and Early Development, Switzerland

## Parkinson's disease-related diseases (clinical research 3)

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

## 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 &amp; Sciences, India

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

Maya Mimuro

Dept. of neuropathol., Inst. Med. Sci. Aging, Aichi Med. Univ, Japan

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

## 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

- 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  $\beta$ -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)

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

**Pe-07-10** The clinical and immunological features of NMO patients with onset over 80 years old

Ayaka Ono

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

**Pe-08 一般演題ポスターセッション (英語) 08**

**En**

**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

Aasahikawa 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



## 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

## En

## 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**

**En**

**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  
Monkhsaikhhan Jargalsaikhhan  
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

En

### 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 APPsw/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**

**En**

**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 GABAergic and dopamine systems in early Parkinson's disease: a PET study  
Hirotosugu 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 一般演題ポスターセッション (英語) 14**

**En**

**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 一般演題ポスターセッション (英語) 15**

**En**

### **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 leuporelin 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 一般演題ポスターセッション (英語) 16**

**En**

### **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**

**En**

**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



- Pe-17-8** The immunological features in peripheral blood from multiple sclerosis patients sustaining NEDA-3  
Misako Minote  
Department of Immunology, National Center of Neurology and Psychiatry, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan
- Pe-17-9** Clinical and electrophysiological features among the Mongolian patients with myasthenia gravis  
Munkhbayar Rentsenbat  
Reflex Neurological Clinic, Mongolia

**Pe-18 一般演題ポスターセッション (英語) 18**

**En**

**Neuroimmunity (basic research 1)**

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

**Pe-18-8** 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

**Pe-18-9** Protective effects of rice on multiple sclerosis susceptibility via CD4<sup>+</sup> effector T cell reduction

Ayako Sakoda

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

**Pe-18-10** T cell response to MOG peptides in anti-MOG antibody positive patients

Hirohiko Ono

Department of Neurology, Tohoku University School of Medicine, Japan

## **Pe-19 一般演題ポスターセッション (英語) 19**

**En**

### **Various muscle diseases / others**

**Pe-19-1** Becker muscular dystrophy: Biopsy may not lead to its diagnosis

Yasushi Oya

Dept of Neurol, National Center of Neurology & Psychiatry (NCNP), Japan

**Pe-19-2** Alterations of sarcotubular system in permanent myopathy of hypokalemic periodic paralysis

Takamura Nagasaka

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

**Pe-19-3** withdrawn

**Pe-19-4** The Damage of Autonomic Nervous System Dysfunction and Cerebral Auto-regulation in MELAS Patients

Di Ma

Neurology Department, Peking University First Hospital, Beijing, China

**Pe-19-5** Eosinophilic fasciitis with anti-signal recognition particle antibodies: a case report

Yiming Zheng

Peking University First Hospital, China

**Pe-19-6** withdrawn

**Pe-19-7** Analysis of clinical characteristics of patients with paraneoplastic neurological syndromes

Jun Sawada

Asahikawa Medical University, Department of Neurology, Japan

**Pe-19-8** 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 一般演題ポスターセッション (英語) 20**

**En**

**Clinical neurophysiology (clinical research 2), others**

**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

Yasushi Tomidokoro

Faculty of Medicine (Neurology) , University of Tsukuba, Japan

- Pe-22-2** Clinical features and course of Diabetes-related Dementia  
Naoto Takenoshita  
Department of Geriatric Medicine, Tokyo Medical University, Japan
- Pe-22-3** withdrawn
- 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-22-7** withdrawn

## Pe-23 一般演題ポスターセッション (英語) 23

En

### Parkinson's disease-related diseases (basic research 2)

- 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

- Pe-23-5**    **Inhibition of SNCA Propagation by locally injected ASO in wt mice**  
**En**    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
- Pe-23-6**    **Identification of receptor for neuronal uptake and propagation of  
 alpha-Synuclein fibrils**  
 Shun Ishiyama  
 Department of Neurology, Tohoku University Graduate School of Medicine, Japan
- Pe-23-7**    **GSH improves membrane potential and calcium without mitochondrial  
 accumulation in Parkin(-) cells**  
 Tohru Kitada  
 Otawa-Kagaku, Japan
- Pe-23-8**    **Alpha-synuclein affects epigenetic profiles through interacting with  
 BAF complex**  
 Naoto Sugeno  
 Department of Neurology, Tohoku University, Japan
- Pe-23-9**    **Alpha-Synuclein Phosphorylation By Homocysteine**  
 Soichi Enomoto  
 Department of Neurology, Faculty of Medical Sciences, University of Fukui, Japan

**Pe-24 一般演題ポスターセッション (英語) 24**

**En**

**Motor neuron disease (basic research 2)**

- Pe-24-1**    **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
- Pe-24-2**    **Hemiplegic type ALS:  
 Clinicopathological features of two autopsied patients**  
 Makoto Sainouchi  
 Department of Pathology, Brain Research Institute, Niigata University, Japan
- Pe-24-3**    **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
- Pe-24-4**    **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

En

### 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

**Pe-25-5** The prevalence of primary headache disorders among the Mongolian adolescents and children

Selenge Enkh TUYA

Reflex Neurological Clinic, Mongolia / Mongolian National University of Medical Sciences, Mongolia

**Pe-25-6** Association between burnout and primary headache disorders among the medical staffs

Saruultsetseg Byambadorj

The First State Central Hospital, Mongolia

**Pe-25-7** Association between low body temperature and cortical spreading depression

Eiji Kitamura

Kitasato University, School of Medicine, Japan

**Pe-25-8** withdrawn

**Pe-25-9** Spreading Depression (CSD) is accompanied by mitochondrial oxidization wave, dependent on intravascular oxygen

Hitoshi Maeda

Uekusagakuen university, Department of Rehabilitation, Faculty of Health Sciences, Japan

**Pe-25-10** 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

## **Pe-26 一般演題ポスターセッション (英語) 26**

**En**

### **Neuroradiology (clinical research)**

**Pe-26-1** 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

**Pe-26-2** Neurocognitive profile of patients undergoing Coronary Artery Bypass Graft compare to Angioplasty

Sharda Singh

All India Institute of Medical Sciences, Raipur, Chhattisgarh, India

**Pe-26-3** Manual Pressure Release vs Kinesio Taping in Reducing Myofascial Pain in Filipino Computer Gamers

Mary Laurenz J. Barbaton

Saint Paul University Iloilo Philippines, Philippines

**Pe-26-4** 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 Respiriology, 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**

**En**

**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

**Pe-27-6** 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

**Pe-27-7** A Qualitative Evaluation of Patients Preference on Immediate and Extended Release Pramipexole

Rajakumar Sutha

Seberang Jaya Hospital, Malaysia

**Pe-28** 一般演題ポスターセッション (英語) 28

En

## Cerebrovascular disorder (others)

**Pe-28-1** SATURN: Stroke and Tocotrienols: unique role in neuroprotection (Protocol)

Hong Chuan Loh

Clinical Research Center, Hospital Seberang Jaya, Malaysia

**Pe-28-2** Acute Ischemic stroke and Diabetes Mellitus

Tsengelbayar Badam

Neurologist, The First State Center Hospital, Mongolia

**Pe-28-3** Microglia-astrocyte crosstalk in the peri infarct area after stroke in rats

Chikage Kijima

Department of Neurology, Juntendo University School of Medicine, Japan

**Pe-28-4** Oxygen-glucose deprivation and reperfusion compromises lipid metabolism in human cerebral organoids

Naoki Iwasa

Department of Neurology, Nara Medical University, Japan

**Pe-28-5** CRTC2 played an important role under ischemic conditions at endothelial cells via p190RhogapA

Hideaki Kanki

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

**Pe-28-6** 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

**Pe-28-7** 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  
Dept. Human Health Sci. Grad. Sch. Med. Kyoto Univ. Kyoto, Japan / Dept. Neuro. Kyoto Univ. Grad. Sch. Med, Japan
- 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  
**Syuuichirou 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**

**En**

**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**

**En**

**Neuroimmunity (autoimmune encephalitis 2)**

**Pe-32-1** TMEM119+GLUT5+P2RY12- activated microglia relate to distal oligodendrogliopathy in Baló's disease

**Katsuhisa 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

En

### 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
-