Pe-01 English Poster Session 01 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related02

Pe-01-1 ROLE OF NEUROSPECIFIC PROTEINS IN THE PATHOGENESIS OFPARKINSONISM SYNDROME DEVELOPMENT IN CHBI

Gulchiroykhon R. Vafoeva
Tashkent Pediatric Medical Institute, Uzbekistan

Pe-01-2 Anti-parkinson effect of crocetin against the rotenone induced rat model of Parkinson diseases

Prakash C. Bhatt
Fermentis Biotech, India

Pe-01-3 Property of tau aggregation and its relation with clinical features in MAPT p.K298_H299insQ patients

Yuri Yamashita
Department of Neurology, Faculty of Medicine, Juntendo University, Japan ／Research Institute for Diseases of Old Age, Graduate School of Medicine, Juntendo University, Japan

Pe-01-4 Comorbid alpha synucleinopathies in idiopathic normal pressure hydrocephalus

Anri Hattori
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-01-5 Frontal dependent memory decline in a group of patients with Parkinson disease

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

Pe-01-6 Clinical manifestations of Parkinson's disease harboring VPS35 retromer complex component p.D620N

Mayu Ishiguro
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-01-7 Fixel-based analysis for white matter alterations of multiple system atrophy parkinsonian variant

Atsuhiko Shindo
Department of Neurology, Faculty of Medicine, Juntendo University, Tokyo, Japan., Japan

Pe-01-8 Finding novel risk variants by target resequencing in Parkinson's disease

Kensuke Daida
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-01-9 Rotenone-induced dopaminergic neurotoxicity mediated by astrocyte-microglia interaction

Ikuko Miyazaki
Dept. of Medical Neurobiology, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceut. Sci., Japan

Pe-01-10 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-01-11 Biochemical analysis of Parkin glycosylation

Yukiko Maki
Department of Clinical Research, Tokushima National Hospital, Japan

Pe-01-12 Drug discovery to treat GBA1-related alpha-synucleinopathy using gba1 knock-out medaka

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

Pe-01-13 Identification of common molecular mechanism between Parkinson's disease and Retinitis pigmentosa

Manabu Funayama
Research Institute for Diseases of Old Age, Graduate School of Medicine, Juntendo University, Japan／Department of Neurology, Juntendo University School of Medicine, Japan

Pe-02 English Poster Session 02 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related03

Pe-02-1 22q11.2 deletion syndrome among the patients with early-onset Parkinson's disease

Yuki Mangyoku
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-02-2 Genetic screening by panel sequencing of glucosylceramidase beta variants for Parkinson's disease

Yuanzhe Li
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-02-3 PSP-C: report of an autopsied patient showing marked olivopontocerebellar involvement

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

Pe-02-4 MicroRNA expression profiles in Progressive Supranuclear Palsy as potential diagnostic markers

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

Pe-02-5 Changes in brain glucose metabolism after deep brain stimulation in Parkinson's disease

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

Pe-02-6 Connectivity correlates of thalamic deep brain stimulation outcomes in dystonic and essential tremor

Takashi Tsuboi
Department of Neurology, Norman Fixel Institute for Neurological Diseases, University of Florida, Gainesville, Florida, USA ／Department of Neurology, Nagoya University Graduate School of Medicine, Nagoya, Japan

Pe-02-7 Efficacy and safety of Deep Brain Stimulation for patient with Glucosidase Beta Acid mutations

Hikaru Kamo
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan

Pe-03 English Poster Session 03 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

Metabolic disorders 01

Pe-03-1 Characteristics of Neurological Symptoms in Adult Japanese Patients with Fabry Disease

Jun Sawada
Division of Neurology, Department of Internal Medicine, Asahikawa Medical University, Japan

Pe-03-2 A clinical analysis of two cases of Adrenal insufficiency accompanied with muscle stiffness

Yosuke Kokunai
Department of Neurology, Minoh City Hospital, Japan

Pe-03-3 withdrawn

Pe-03-4 Role of pyruvate in the maintenance of Schwann cell viability under high glucose conditions

Kazunori Sango
Diabetic Neuropathy Project, Tokyo Metropolitan Institute of Medical Science, Japan

Pe-04 English Poster Session 04 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

Ethics and education

Pe-04-1 Medical education during the COVID-19 pandemic in Japan: EEG-Webiner using an online application

Shuichiro Neshige
Hiroshima University Graduate Schoolof Biomedical and Health Sciences, Japan

Pe-04-2 Virtual professor's round : A useful education tool in clinical clerkship for medical students

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

Pe-05 English Poster Session 05 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

Other neurological disorders/symptoms 01

Pe-05-1 Role of natural herbs as adjuvant treatment for neuropsychological deficits in human subjects

Saara M. Khan
The Aga Khan University, Karachi, Pakistan

Pe-05-2 Methotrexate-induced myelopathy in patients with hematologic malignancies: a case series

Sakdipat Songwisit
Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand

Pe-05-3 FEATURES OF NEUROLOGICAL CHANGES IN OIL INDUSTRY WORKERS UNDER THE INFLUENCE OF HARMFUL PRODUCTION

Dono R. Zupparkhanova
Tashkent Pediatric Medical Institute, Uzbekistan

Pe-05-4 withdrawn

Pe-05-5 withdrawn

Pe-05-6 withdrawn

Pe-05-7 Metastatic Spinal Cord Compression Caused by Recurrent Carcinoma Ex Pleomorphic Adenoma of Parotid

Mark M. Ando
University of the Philippines - Philippine General Hospital, Philippines

Pe-06 English Poster Session 06 En

May 19 (Wed) 13 : 20 ～ 14 : 00 Room 15 (ICC Kyoto 1F New Hall)

Other neurological disorders/symptoms (basic research) 01

Pe-06-1 ASSOCIATION BDNF GENE POLYMORPHISM WITH THE CENTRAL SENSITISATION DISORDER AND COGNITIVE IMPAIRMENT

Dmytro Sotnikov
Sumy State University, Ukraine

Pe-06-2 Long-term exposure and withdrawal base on schizophrenia-related behaviors in larval zebrafish

Siroshini K Thiagarajan
Department of Mechatronics and Biomedical Engineering, Lee Kong Chian Faculty of Engineering and Science, Universiti Tunku Abdul Rahman., Malaysia

Pe-06-3 Overhanging duplex oligonucleotide enhances potency and mitigates toxicity intracerebroventricularly

Su Su Lei Mon
Tokyo Medical and Dental University, Japan

Pe-06-4 Neuroprotective effect of Ajwain oil on 6-OHDA-Induced Apoptosis in PC12 Cells via ROS-NO Pathway

Vikas Kumar
SAM HIGGINBOTTOM UNIVERSITY OF AGRICULTURE, TECHNOLOGY & SCIENCES, India

Pe-07 English Poster Session 07 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Dementia 02

Pe-07-1 Complex I abnormalities is associated with tau and clinical symptoms in mild Alzheimer's disease

Tatsuhiro Terada
Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Hamamatsu University School of Medicine, Japan ／Translational Neuroimaging Laboratory, The McGill University Research Centre for Studies in Aging ／Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

Pe-07-2 CSF biomarker profiles in CNS infection associated with HSV/VZV mimic pattern in Alzheimer's disease

Makiko Shinomoto
Department of Neurology, Kyoto Prefectural University of Medicine, Japan

Pe-07-3 Internal jugular vein velocity correlates with cognitive function and Alzheimer's disease

Kosuke Matsuzono
Division of Neurology, Department of Medicine, Jichi Medical University, Japan

Pe-07-4 Wearable and geofencing device technology is a boon for Alzheimer's disease patients

Vikas Sharma
Sarojini Naidu Medical College, India

Pe-07-5 Biomarkers of non-AD control subjects with or without DDP-IV inhibitors, a preliminary study

Yasushi Tomidokoro
Faculty of Medicine, University of Tsukuba, Japan

Pe-08 English Poster Session 08 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Dementia (basic research) 01

Pe-08-1 Microglia express GPNMB in the brains of Alzheimer's disease and Nasu-Hakola disease

Jun-ichi Satoh
Department of Bioinformatics, Meiji Pharmaceutical University, Japan

Pe-08-2 Normal neuronal aging promotes amyloidogenic APP processing by beta-secretase

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

Pe-08-3 Effect of Yokukansan on Tau Phosphorylation and Oligomerization

Norimichi Shirafuji
Department of Neurology, Faculty of Medical Science, University of Fukui, Japan

Pe-08-4 withdrawn

Pe-08-5 A cationic Zn-phthalocyanine inhibits Alzheimers amyloid beta fibril formation in vitro
Abdullah M. Sheikh
Shimane University, Japan

Pe-08-6 N-cadherin interacts with Tau protein to modify its phosphorylation
Kengo Uemura
Department of Neurology, Yurinkai Ishiki Hospital, Japan

Pe-08-7 Hypo-plasticity of hippocampal glutamatergic neurons in HCNP precursor protein knockout mice
Kengo Suzuki
Department of Neurology, Nagoya City University Graduate School of Medical Sciences, Japan

Pe-08-8 Lithium chloride decreased phosphorylated tau and oligomeric tau
Rei Asano
Department of Neurology, University of Fukui, Japan

Pe-08-9 Donepezil reduces phosphorylated tau and oligomeric tau
Hirohito Sasaki
Second Department of Internal Medicine, Faculty of Medical Sciences, University of Fukui, Fukui, Japan

Pe-08-10 Physical exercise increases the secretion of circulating extracellular vesicles
Akiko Takeda
Department of Neurotherapeutics, Graduate School of Medicine, Osaka University, Japan

Pe-09 English Poster Session 09 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Neuroimmunology 02

Pe-09-1 Characterization of spinal hypertrophic pachymeningitis based on immunopathological analysis
Akihiro Nakajima
Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-09-2 Elevation of serum IL-6 by anti-Sm antibody in neuropsychiatric systemic lupus erythematosus
Shunsei Hirohata
Department of Rheumatology, Nobuhira Hospital, Japan／Department of Internal Medicine, Seikyo University School of Medicine, Japan

Pe-09-3 Treatment of inflammatory and demyelination myelopathy
Tatsuo Ihara
Department of Neurology, Otaru General Hospital, Japan

Pe-09-4 Cerebrospinal fluid dsDNA as a biomarker in NMOSD
Mamoru Yamamoto
Department of Neurology, Faculty of Medicine, University of Toyama, Japan

Pe-09-5 Autoimmune disease comorbidities in patients with neuromyelitis optica spectrum disorder
Etsuji Saji
Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-09-6 Exploring steroid tapering in NMOSD patients treated with satralizumab in SAkuraSky: a case series
Takashi Yamamura
National Center Hospital of Neurology and Psychiatry, Tokyo, Japan

Pe-09-7 Eculizumab efficacy and safety in NMOSD patients treated with prior rituximab: findings from PREVENT
Kazuo Fujihara
Southern TOHOKU Research Institute for Neuroscience (STRINS), Japan／Fukushima Medical University, Japan

Pe-09-8 Cognitive function and thalamus atrophy in multiple sclerosis and neuromyelitis optica
Takahiro Wakasugi
Department of Neurology, Brain Research Institute, Niigata University, Japan

Pe-09-9 CLINICAL PROFILE, ELECTROPHYSIOLOGIC FEATURES, and OUTCOMES of PATIENTS WITH MYASTHENIA GRAVIS
Michael A. Bonilla
Saint Paul's Hospital Iloilo City, Philippines

Pe-10 English Poster Session 10 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Neuroimmunology 07

Pe-10-1 N-acetyllactosamine impacts on the infectivity of HTLV-1
Daisuke Kodama
Kagoshima University, Joint Research Center for Human Retrovirus Infection, Division of Neuroimmunology, Japan

Pe-10-2 withdrawn

Pe-10-3 Decreased telomere G tail length and increased cancer-related microRNAs in HPV vaccinated patients
Toshiaki Hirai
Departments of Neurology and Stroke Center, Mizonokuchi Hospital, Teikyo University School of Medicine,, Japan

Pe-10-4 **Immunopathogenic CSF TCR repertoire signatures in virus-associated neurologic disease**

Satoshi Nozuma
Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences, Japan／Viral Immunology Section, Neuroimmunology Branch, National Institute of Neurological Disorder and Stroke, National Institutes of Health

Pe-10-5 **Myeloperoxidase induces blood-brain barrier dysfunction in aquaporin 4-positive NMOSD**

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

Pe-10-6 **Serum immunoglobulin levels and infection risk in the Phase 3 trials of ofatumumab in relapsing MS**

Keiko Maruyama Saladini
Novartis Pharma K.K. Global Drug Development, Japan

Pe-10-7 **Efficacy of Ofatumumab in Relapsing Multiple Sclerosis: 48-week results of Phase 2 APOLITOS Study**

Jin Nakahara
Department of Neurology, Keio University School of Medicine, Japan

Pe-10-8 **Genetic factors associated with clinical relapse during disease-modifying therapy**

Takuya Matsushita
Department of Neurology, Graduate School of Medical Sciences, Kyushu University, Japan

Pe-10-9 **Effects of steroid or immunosuppressants on relapsing-remitting multiple sclerosis**

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

Pe-10-10 **Immune cell profiles and clinical and safety outcomes with fingolimod in the 12 month FLUENT study**

Kengo Ueda
Neuroscience Medical Franchise Dept. Medical Division, Novartis Pharma K.K., Japan

Pe-11 English Poster Session 11 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Muscle diseases (basic research)

Pe-11-1 **Application of droplet digital PCR for detection of somatic mosaicism in dystrophinopathy**

Akatsuki Kubota
Department of Neurology, The University of Tokyo, Japan

Pe-11-2 Subpopulation analysis of urine-derived cells to advance cellular model of muscle diseases

Katsuhiko Kunitake
Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Japan

Pe-11-3 Analysis of clinical characteristics of DPM3 gene mutation related Alpha dystroglycanopathy

Yi Li
Beijing Hospital, China

Pe-12 English Poster Session 12 En

May 19 (Wed) 18 : 15 ～ 18 : 55 Room 15 (ICC Kyoto 1F New Hall)

Muscle diseases 03

Pe-12-1 A long-term natural history study of GNE myopathy

Madoka Mori-yoshimura
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

Pe-12-2 Two brothers with ADSSL1 myopathy. Report of clinical, radiological, and autopsy findings

Yuka Hama
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Japan

Pe-12-3 AVSF myopathy: A new clinical entity of autophagic vacuolar myopathy with AVSF such as Danon disease

Kazuma Sugie
Department of Neurology, Nara Medical University, Japan／Department of Neuromuscular Research, National Center of Neurology and Psychiatry, Japan

Pe-12-4 Mitochondrial alterations in anti-mitochondrial antibody-positive myositis

Takamura Nagasaka
Dept. of Neurology, Univ. of Yamanashi, Japan

Pe-12-5 Splicing defects in the cortex, white matter, and deep grey matter of myotonic dystrophy type 1

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

Pe-12-6 Comparison of electromyography and quantified muscle pathology in sporadic inclusion body myositis

Nobuyuki Eura
Department of Neurology, Nara Medical University, Japan

Pe-12-7 Histological investigation of necroptosis in anti-HMGCR myopathy

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

Pe-12-8 Activated vitamin D increases the barrier function of the endomysial endothelium

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

Pe-12-9 The effect of IgG from IIM patients on human muscle microvascular endothelial cell

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

Pe-13 English Poster Session 13 En

May 20 (Thu) 11 : 00 ～ 11 : 40 Room 15 (ICC Kyoto 1F New Hall)

Cerebrovascular disorder 03

Pe-13-1 PATHOGENETIC SIGNIFICANCE OF NEUROTROPHIC PROTEIN S100 BASED ON CHRONIC BRAIN ISCHEMIA

Bakhriddin R. Bakhriev
Tashkent Pediatric Medical institute, Uzbekistan

Pe-13-2 Proteomic analysis of serum-derived exosomal proteins associated with new-onset of ischemic stroke

Shingo Mitaki
Shimane University, Department of Neurology, Japan

Pe-13-3 Serum protein biomarkers in the diagnosis of Cerebral Amyloid Angiopathy (CAA)

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

Pe-13-4 Changes of resting-state neural activity and brain structure in stroke patients with hemiplegia

Xuejin Cao
Department of Neurology, Affiliated ZhongDa Hospital of Southeast University, China ／School of Medicine, Southeast University, China

Pe-13-5 Factors related to ASPECTS on admission in patients with LVO

Nobuaki Yamamoto
Department of Neurology, Japan ／Department of Advanced Brain Research, Japan

Pe-13-6 Proprioceptive disturbance after thalamic hemorrhage: Analyses by diffusion tensor tractography

Aki Arai
Department of Neurology, Saitama Prefectural Rehabilitation Center, Japan

Pe-13-7 Protective role of pre-existing cerebrovascular diseases in local spread of COVID-19 in Japan

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

Pe-13-8 Clinical and epidemiological characteristics of stroke in Uzbekistan during the COVID-19 pandemic

Abdullaev X. Zafarjon
Tashkent Pediatric Medical Institute, Uzbekistan

Pe-13-9 COVID-19 survival among patients with acute ischemic stroke: case reports from developing country

Nazla Ananda Rachmi Puti
National Brain Centre Hospital Prof. Dr. dr. Mahar Mardjono, Indonesia／Faculty of Medicine Airlangga University, Indonesia

Pe-13-10 STUDY OF AWARENESS OF THE POPULATION OF THE TASHKENT CITY ABOUT THE PREVENTION OF STROKE

Makhmudjon S. Bakhramov
Tashkent Pediatric Medical Institute, Uzbekistan

Pe-13-11 Cerebrospinal fulid inflammatory markers in cerebral amyloid angiopathy-related inflammation

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

Pe-13-12 Urinary Immunoglobulin is Independently Associated with Deep and Infratentorial Cerebral Microbleeds

Teppei Komatsu
Department of Neurology, the Jikei University School of Medicine, Tokyo, Japan

Pe-13-13 Exon-based approach is reasonable to detect mutations in small vessel disease-related genes

Masahiro Uemura
Department of Neurology, Brain Research Institute (BRI), Niigata University, Niigata, Japan

Pe-13-14 The association of early onset severe cerebral small vessel disease and APOE

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

Pe-13-15 Cerebral small vessel diseases: white matter degeneration revealed by 3D histopathologic evaluation

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

Pe-14 English Poster Session 14 En

May 20 (Thu) 11 : 00 ～ 11 : 40 Room 15 (ICC Kyoto 1F New Hall)

Cerebrovascular disorder (basic research)

Pe-14-1 Neuroprotective effects of human amnion-derived MSCs on cerebral ischemia-reperfusion injury in rats

Shiro Takahashi
Department of Neurological Science, Graduate Scholl of Medicine, Nippon Medical School, Japan

Pe-14-2 Direct arterial damage and NVU disruption by mechanical thrombectomy in rat stroke model

Ryo Sasaki
Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan

Pe-14-3 Exploration of OPC differentiation under ischemic stroke using BCAS1 immunohistochemistry

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

Pe-14-4 MiRNA-132/212 regulated by CRTC1 plays a crucial role in Blood-Brain Barrier after Stroke

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

Pe-15 English Poster Session 15 En

May 20 (Thu) 11 : 00 ～ 11 : 40 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related06

Pe-15-1 EFFICACY AND SAFETY OF MEDICAL CANNABIS IN PARKINSON'S DISEASE; A RANDOMIZED CONTROL TRIAL

Mintra Tangrungruengkit
Nopparatrajathanee hospital, Thailand

Pe-15-2 Rasagiline improves swallowing in patients with Parkinson's disease

Makito Hirano
Kindai University, Department of Neurology, Japan

Pe-15-3 A53T alpha synuclein BAC transgenic rat as a model for Parkinson's disease

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

Pe-15-4 Association between constipation and striatal dopaminergic function in Parkinson's disease

Hiroki Takatsu
Department of Neurology, The Jikei University School of Medicine, Tokyo, Japan

Pe-15-5 Dopaminergic denervation in executive striatum predicts response to L-dopa in Parkinson's disease

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

Pe-15-6 Inter-regional balance within striatum affects cognition and dual-task gait in Parkinson's disease

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

Pe-15-7 Selegiline treatment suppresses white matter neuroinflammation in Parkinson's disease patients
Haruka Takeshige-amano
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-15-8 Over-time change of functional connectivity in the prodromal Parkinsonian syndrome
Noritaka Wakasugi
Department of Advanced Neuroimaging, Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, Japan

Pe-15-9 Hippocampal atrophy in amnestic mild cognitive impairment in Parkinson's disease
Kiyoaki Takeda
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-15-10 Diffusion magnetic resonance imaging and histological study for levodopa induced dyskinesia
Takashi Ogawa
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-16 English Poster Session 16 En

May 20 (Thu) 11 : 00 ～ 11 : 40 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related07

Pe-16-1 Exosomal alpha-synuclein filaments as a novel biomarker for Parkinson's disease
Yuta Isiguro
Juntendo University School of Medicine, Department of Neurology, Japan

Pe-16-2 Proposal for serum theophylline as an alternative biomarker to caffeine in PD diagnosis
Takuma Ohmichi
Department of Neurology, Kyoto Prefectural University of Medicine, Japan

Pe-16-3 Impaired age-dependent increases in PGK1 activity of RBCs in patients with Parkinson's disease
Yuzo Fujino
Department of Neurology, Kyoto Prefectural University of Medicine, Japan

Pe-16-4 Serum NfL and CHI3L1 for parkinsonian disorders and ALS in the process of diagnosis
Shotaro Haji
Department of Neurology, Tokushima University Graduate School of Biomedical Sciences, Japan

Pe-16-5 Cerebrospinal fluid lipidomic alterations related to cognitive decline in Parkinson's disease
Yasuaki Mizutani
Department of Neurology, Fujita Health University School of Medicine, Japan

Pe-16-6 The deposition of phosphorylated alpha Syn in the ENS is a sensitive biomarker for prodromal PD

Goichi Beck
Department of Neurology, Osaka University, Japan

Pe-16-7 The utility of a muscle tonus instrument for quantifying rigidity in Parkinson's disease

Yoshikazu Nakano
Department of Neurology, Chiba University Hospital, Japan／Chibaken Saiseikai Narashino Hospital, Japan

Pe-16-8 Connections between Vitamin D receptor genetic variability and course of Parkinson's disease

Jan Koper
Jagiellonian University Medical College, Poland

Pe-16-9 Influence of genetic variability of FGF20, MAOB, DDC, DRD2 genes on course of Parkinson's disease

Olaf Chmura
Jagiellonian University Medical College, Poland

Pe-16-10 Nigrostriatal astrocytes upregulated STING related proteins in the multiple system atrophy case

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

Pe-17 English Poster Session 17 En

May 20 (Thu) 11：00～11：40 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related (basic research) 01

Pe-17-1 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-17-2 withdrawn

Pe-17-3 The novel mice model to investigate the mechanisms of alpha synuclein aggregation in MSA

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

Pe-17-4 Identification of putative membrane-associated receptor for alpha-synuclein

Shun Ishiyama
Department of Neurology, Tohoku University Hospital, Japan

Pe-17-5 MAOB inhibition modulate secretion of insoluble α-synuclein via secretory vesicle-associated pathway

Yoshitsugu Nakamura
Osaka Medical and Pharmaceutical University Hospital, Japan

Pe-17-6 MPTP causes biphasic pathological alterations in mice inoculated with a-synuclein preformed fibrils
Tohru Kitada
Otawa-Kagaku, Neuroscience, Japan

Pe-17-7 Alpha-synuclein affects neuronal gene expression through inhibiting conversion of BAF complex
Takaaki Nakamura
Department of Neurology, Tohoku University, Japan

Pe-17-8 Homocysteine affects the phosphorylation of alpha-synuclein
Soichi Enomoto
Department of Neurology, Faculty of Medical Sciences, University of Fukui, Japan

Pe-17-9 Development of synuclein-targeting compound X as a new therapeutic agent for Parkinson's disease
Kousuke Baba
Department of Neurology, Osaka University Graduate School of Medicine, Japan

Pe-17-10 Phospholipids alteration of Red Blood Cells in Parkinson's disease
Kenta Shiina
Department of Neurology, Juntendo University School of Medicine, Japan., Japan

Pe-18 English Poster Session 18 En

May 20 (Thu) 11：00～11：40 Room 15 (ICC Kyoto 1F New Hall)

ALS (basic research) 01

Pe-18-1 Analysis of pathogenesis for upper motor neuron dysfunction of ALS using ADAR2 knockout mice
Takuto Hideyama
Department of Neurology, Tokyo Medical University, Japan ／Department of Molecular Neuropathogenesis, Tokyo Medical University, Japan

Pe-18-2 Benign amyotrophic lateral sclerosis with slowly progression harboring homozygous D92G SOD1
Masanori Sawamura
Kyoto University Hospital, Japan

Pe-18-3 Dysfunction of molecular chaperones for phase separating proteins in ALS
Hitoki Nanaura
Department of Neurology, Nara Medical University, Japan

Pe-18-4 Two novel variants in CHCHD2 associate with TDP-43 pathology among amyotrophic lateral sclerosis
Aya Ikeda
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-18-5 **Regulation of RAN translation by RBP1 that modulates the structure of G4C2 repeat RNA in C9-ALS/FTD**

Morio Ueyama
Departments of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan ／ Department of Degenerative Neurological Diseases, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan

Pe-18-6 **PR poly-dipeptide derived from the C9orf72 repeat expansion interfere with cytoskeletal architecture**

Tomo Shiota
Department of Neurology, Nara Medical University, Japan

Pe-18-7 **Characteristics of glial cells in the anterior horn of the spinal cord in ADAR2 knockout mice**

Makiko Naito
Department of Neurology, Tokyo Medical University, Japan

Pe-18-8 **FUS induced structural alteration of DHX30 in mitochondrion and impaired respiratory chain complex**

Ryota Hikiami
Molecular Neuroscience Research Center, Shiga University of Medical Science, Japan ／ Department of Neurology, Shiga University of Medical Science, Japan

Pe-18-9 **Dysfunction of microtubule transport impedes TDP-43 dynamics and accelerates its aggregation in ALS**

Tetsuhiro Ueda
Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan ／ Department of Neurology, Kyoto Prefectural University of Medicine, Japan

Pe-18-10 **Dlk1 contributes to the induction of cytoplasmic TDP-43 aggregates through micronucleus formation**

Yasuto Tanabe
Department of Regulation of Neurocognitive Disorders, Graduate School of Medicine, Kyoto University, Japan ／Department of Neurology, Graduate School of Medicine, Kyoto University, Japan

Pe-18-11 **Axonal growth impairment in iPS-derived motor neurons with TARDBP mutations**

Shio Mitsuzawa
Department of Neurology, Tohoku University Graduate School of Medicine, Japan ／Department of Neurology, Shodo-kai Southern Tohoku General Hospital, Japan

Pe-18-12 **Total extracellular RNA levels in cerebrospinal fluid derived from amyotrophic lateral sclerosis**

Takashi Hosaka
Department of Neurology, Faculty of Medicine, University of Tsukuba, Japan ／Tsukuba University Hospital Ibaraki Western Area Medical Education Center, Japan ／Ibaraki Western Medical Center, Japan

Pe-18-13 **Elevated cerebrospinal fluid adenosine 5'-triphosphate in amyotrophic lateral sclerosis patients**

Takamasa Nukui
Department of Neurology, Faculty of Medicine, University of Toyama, Japan

Pe-18-14 CSF glial molecules can predict disease progression in patients with amyotrophic lateral sclerosis
Kimie Nakamura
Neuroscience Drug Discovery Unit, Research, Takeda Pharmaceutical Co. Ltd., Kanagawa, Japan

Pe-18-15 Association between depression and metabolomics biomarkers in amyotrophic lateral sclerosis
Xiao Liu
The First Affiliated Hospital of Xian Jiaotong University, China

Pe-18-16 withdrawn

Pe-19 English Poster Session 19 En

May 20 (Thu) 11 : 00 ～ 11 : 40 Room 15 (ICC Kyoto 1F New Hall)

ALS 02

Pe-19-1 Autopsy case of amyotrophic lateral sclerosis after ultra-high dose of methylcobalamin for 8 years
Kentaro Ohta
NHO Niigata National Hospital, Japan

Pe-19-2 The impact of the COVID-19 pandemic on amyotrophic lateral sclerosis
Masaru Yanagihashi
Department of Neurology, Toho University Faculty of Medicine, Tokyo, Japan

Pe-19-3 Pathological ocular movements with amyotrophic lateral sclerosis
Kiyotaka Nakamagoe
Department of Neurology, Division of Clinical Medicine, Faculty of Medicine, University of Tsukuba, Japan

Pe-19-4 Breaking the news: a survey of patients with ALS and their families
Mari Shibukawa
Department of Neurology, Toho University Faculty of Medicine, Japan

Pe-19-5 ALS multidisciplinary clinic reduces emergency hospital admissions for ALS patients
Takehisa Hirayama
Department of Neurology, Toho University Faculty of Medicine, Japan

Pe-20 English Poster Session 20 En

May 20 (Thu) 18 : 30 ～ 19 : 10 Room 15 (ICC Kyoto 1F New Hall)

Degeneration (cerebellar/pyramidal/extrapyramidal) 02

Pe-20-1 Genetic and clinical analysis of autosomal recessive spinocerebellar ataxia-8 (SCAR8)
Akihiko Mitsutake
Department of Neurology, The University of Tokyo Hospital, Japan

Pe-20-2 Discovery of RNA Binding proteins as genetic modifiers of the SCA36 model fly

Tomoya Taminato
Dept Neurotherapeutics, Osaka Univ Grad Sch of Med, Osaka, Japan

Pe-20-3 Transcriptomic analysis using model mice of spinocerebellar ataxia 42

Yukiko Matsuda
Dept. Epidemiology, RIRBM, Hiroshima Univ., Japan

Pe-20-4 Identification of intronic repeat expansion of RFC1 by long-read sequencer

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

Pe-20-5 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-20-6 Comparative analysis of human brain organoids of brainstem and midbrain at single-cell resolution

Kaoru Kinugawa
Department of Neurology, Nara Medical University, Japan

Pe-20-7 Extracellular vesicles as blood-based biomarkers for polyglutamine diseases

Toshihide Takeuchi
Graduate School of Medicine, Osaka University, Japan／National Institute of Neurology, NCNP, Japan／PRESTO, JST, Japan

Pe-20-8 Iron deposition and white matter degeneration in Multiple System Atrophy: a 7 tesla MRI study

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

Pe-20-9 Epidemiological study of multiple system atrophy in Hokkaido: accumulated data from HoRC-MSA project

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

Pe-20-10 Clinical and radiological efficacy of deferiprone in post-operative superficial siderosis

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

Peripheral neuropathy 02

Pe-21-1 Serum neurofilament light chain as a biomarker for chronic inflammatory demyelinating polyneuropathy

Tomohiro Hayashi
Department of Neurology, Faculty of Medicine, University of Toyama, Japan

Pe-21-2 Selection of the optimal nerve for ultrasonographic screening for CIDP patient

Jun Tsugawa
Fukuoka University Chikushi Hospital Stroke Center, Japan

Pe-21-3 Which Ig component is essential as an immunomodulator for CIDP model mice?

Masahiro Iijima
Department of Neurology, Nagoya University, Japan

Pe-21-4 Quantitative muscle echogenicity assessment using thresholding method in Charcot-Marie-Tooth disease

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

Pe-21-5 Use of high-density surface electromyography to assess motor unit firing rate in CMT1A patients

Yu-ichi Noto
Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

Pe-21-6 POEMS syndrome that presented with rapidly progressive neuropathy and showed early recovery

Keiko Hatano
Department of Neurology, Japanese Red Cross Medical Center, Japan

Pe-21-7 Symmetric root-dominant nerve enlargement is a sonographic feature of anti-MAG neuropathy

Yuwa Oka
Department of Neurology, Kansai Electric Power Hospital,, Japan ／Division of Clinical Neurology, Kansai Electric Power Medical Research Institute, Japan ／Department of Neurology, Kitano Hospital, Tazuke Kofukai Medical Research Institute, Japan

Pe-21-8 Stress precedes Bell's Palsy: A retrospective study in a tertiary hospital in Penang, Malaysia

Shin Loong Soong
RCSI & UCD Malaysia Campus (RUMC), Penang, Malaysia

Pe-21-9 Distribution of amyloidosis subtypes involving the peripheral nerve

Nagaaki Katoh
Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine, Japan

Pe-21-10 A quantitative 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-21-11 Long-term, Integrated Safety of Patisiran in Patients with ATTRv Amyloidosis with Polyneuropathy

Yoshiki Sekijima
Shinshu University School of Medicine, Matsumoto, Japan (presenting on behalf of the authors), Japan

Pe-21-12 Global Open-label Extension: 24-month Data of Patisiran in Patients with hATTR Amyloidosis

Mitsuharu Ueda
Kumamoto University, Kumamoto, Japan (presenting on behalf of the authors), Japan

Pe-22 English Poster Session 22 En

May 20 (Thu) 18 : 30 ～ 19 : 10 Room 15 (ICC Kyoto 1F New Hall)

Epilepsy 02

Pe-22-1 No or little progression of EEG abnormality in benign adult familial myoclonus epilepsy (BAFME)

Takefumi Hitomi
Department of Clinical Laboratory, Kyoto University Hospital, Japan

Pe-22-2 Hypometabolism of cerebral cortex in progressive myoclonus epilepsy

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

Pe-22-3 High frequency activity in Benign Adult Familial Myoclonus Epilepsy and Unverricht-Lundborg Disease

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

Pe-22-4 Antiepileptic Effects of Dehydroepiandrosterone In Kainate-Induced Temporal Lobe Epilepsy In Rats

Ranbir Singh
Maharshi Dayanand University, India

Pe-22-5 Perampanel improves epilepsy phenotype by the phosphorylation of GluA1 in the DRPLA transgenic mice

Tomoko Toyota
Department of Neurology, University of Occupational and Environmental Health School of Medicine, Japan

Pe-22-6 Case series of epilepsy with higher brain dysfunction

Hironori Otomune
Suita Municipal Hospital, Japan

Pe-22-7 Incidence and risk factor of a paradoxical effect of antiepileptic drugs for epileptic seizures

Yoshiko Takebayashi
Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical and Health Sciences, Japan

Pe-22-8 Clinical evaluation and analysis of outpatients with epilepsy in a general hospital

Naohiko Seike
Department of Neurology, Takatsuki General Hospital, Japan／Division of Neurology, Kobe University Graduate School of Medicine, Japan

Pe-22-9 Assessment of cross sectional design study about the first aid treatment for epilepsy

Manvendra S. Singh
HMFA-MIET, India

Pe-23 English Poster Session 23 En

May 20 (Thu) 18：30～19：10 Room 15 (ICC Kyoto 1F New Hall)

Other neurological disorders/symptoms 03

Pe-23-1 Deep venous thrombosis in patients with neurological diseases

Makoto Nakajima
Department of Neurology, Kumamoto University, Japan

Pe-23-2 Sharing information regarding abuse is important to help maltreated neurological patients

Norimasa Mitsuma
Department of Neurology, Meitetsu Hospital, Japan

Pe-23-3 From pedicle realignment to pedicle reformation in management of paediatric hangman fracture

Pankaj K. Singh
All India institute of medical sciences, New Delhi, India

Pe-23-4 withdrawn

Pe-24 English Poster Session 24 En

May 20 (Thu) 18：30～19：10 Room 15 (ICC Kyoto 1F New Hall)

Other neurological disorders/symptoms (basic research) 02

Pe-24-1 Transduction Efficiency to Neural Stem Cells Depends on Serotypes of Adeno-Associated Virus Vectors

Yoshihide Sehara
Div Genetic Therapeutics, Center Mol Med, Jichi Med Univ, Japan

Pe-24-2 The therapeutic effect of hypoxic microglial secretome on OPC differentiation
Ken Yasuda
Department of Neurology, Kyoto University, Graduate School of Medicine, Japan

Pe-24-3 BAIBA enhances viability and protects from oxidative stress in PC12 cells
Tomomi Minato
Department of Medical Technique, Dental Hospital, Aichi Gakuin University, Nagoya, Japan

Pe-24-4 Go-sha-jinki-Gan (GJG) Palliates Inflammation via p38-TNF Signaling in the CNS
Shiying Jiang
Department of Neurology, Graduate School of Medicine, Osaka University, Japan

Pe-24-5 Vasoconstriction and hypoperfusion induced by photoactivation of the ChR2-expressing vascular cells
Yutaka Tomita
Department of Neurology, Keio University School of Medicine, Japan／Tomita Hospital, Japan

Pe-24-6 Spatial cognitive function in type 2 diabetes model rats
Shozo Kito
Koyo-kai Kanto Hospital, Japan

Pe-24-7 Comparison of the exosome purification methods using human plasma samples
Aya Sato
Department of Neurology, the University of Tokyo, Japan

Pe-24-8 Exploring lipophilic compounds inducing BDNF secretion from pericytes or astrocytes beyond the BBB
Susumu Fujikawa
Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan

Pe-24-9 Misfolded polyglutamine protein transmits its abnormal conformation in a prion-like manner
Daisaku Ozawa
Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan

Pe-25 English Poster Session 25 En

May 21 (Fri) 11 : 30 ～ 12 : 10 Room 15 (ICC Kyoto 1F New Hall)

Cerebrovascular disorder 05

Pe-25-1 Crosstalk between microglia and astrocyte in the peri-infarct area after stroke
Chikage Kijima
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-25-2 The effect of nicotine plus high fat on endothelial function

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

Pe-25-3 Serum-derived exosomes treatment for functional recovery after stroke

Kenichiro Hira
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-25-4 Microglia contribute to the development of central poststroke pain

Takahide Itokazu
Neuro-Medical Science, Graduate School of Medicine, Osaka University, Japan／Molecular Neuroscience, Graduate School of Medicine, Osaka University, Japan

Pe-25-5 THE ROLE OF LYMPHATIC ENDOTHELIAL CELLS AFTER ISCHEMIC STROKE

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

Pe-25-6 Partial reperfusion delayed neuronal degeneration and BBB destruction in ischemic stroke in mice

Munehisa Shimamura
Department of Neurology, Graduate School of Medicine, Osaka University, Japan／Department of Health Development and Medicine, Graduate School of Medicine, Osaka University, Japan

Pe-25-7 Comparison of prevention of stroke between elderly and younger patients after the closure of PFO

Masahiro Katsumata
Department of Neurology, Keio University School of Medicine, Japan

Pe-25-8 tPA thrombolysis within 4.5 h after onset in five hospital groups in Japan

Ryuta Morihara
Department of Neurology, Okayama University, Japan

Pe-25-9 Adrenomedullin for acute stroke: an investigator-initiated clinical trial protocol, the AMFIS study

Takeshi Yoshimoto
Department of Neurology, National Cerebral and Cardiovascular Center, Japan

★ Pe-25-10 (APe-01-5) Cerebral autoregulation after endovascular therapy for acute stroke is associated with outcomes

Zhe Zhang
Beijing Tiantan Hospital, Capital Medical University, China

Pe-25-11 PCA laterality on MRA predicts better functional outcomes in MCA occlusion treated with thrombectomy

Masahiko Ichijo
Department of Neurology, Musashino Red Cross Hospital, Japan

★Nominees for the Best Presentation Award for the International Participants

Pe-25-12 A Case Series of Central Neurocytoma in Two Young Filipino Adults with Obstructive Hydrocephalus

Jason Louie G. Lim
Perpetual Succour Hospital, Cebu City, Philippines

Pe-25-13 Hemifacial Spasm in a 66-year-old Filipino male caused by Vertebrobasilar Artery Dolichoectasia

Mary Kemberly S. Trinidad
Perpetual Succour Hospital, Cebu City, Philippines

Pe-25-14 Predictive value of cognitive scores for poststroke late seizures

Hiroya Ohara
Department of Neurology, MinamiNara General Medical Center, Japan／Department of Neurology, Nara Medical University, Japan

Pe-25-15 A nationwide multi-center questionnaire survey regarding post-stroke complications in Japan

Shuhei Ikeda
National Cerebral and Cardiovascular Center, Neurology, Japan

Pe-25-16 SREPB2 dependent PCSK 9 expression can be induced after brain ischemia

Atsushi Mizuma
Tokai University School of Medicine, Department of Neurology, Japan

Pe-25-17 A chronological study of phosphorylated tau expression after cerebral ischemia in rats

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

Pe-25-18 RVCL-associated mutant TREX1 uniquely induces cell growth arrest and cytotoxicity in in vitro model

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

Pe-25-19 Oligodendroglial progenitor cells activated microglial cells/ macrophages after ischemia

Quang Linh Nguyen
Department of Pathology, University of Toyama, Japan／Stroke center, 108 Military Central Hospital, Viet Nam

Pe-26 English Poster Session 26 En

May 21 (Fri) 11 : 30 ～ 12 : 10 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related10

Pe-26-1 Immunohistochemical localization of Smac/DIABLO in brains with alpha-synucleinopathies

Yasuhiro Kawamoto
Center of Neurological and Cerebrovascular Diseases, Koseikai Takada Hospital, Japan

Pe-26-2 Non-motor symptoms reduce duration of honeymoon period in patients with Parkinson's disease

Yasushi Osaki
Department of Neurology, Kochi Medical School Hospital, Japan

Pe-26-3 Serum zinc and white matter volume decrease in Parkinson's disease with aspiration pneumonia

Shuro Kogawa
Department of Neurology, Kohka Public Hospital, Japan

Pe-26-4 Searching for genetic modifiers of PRKN

Kotaro Ogaki
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan／Department of Neurology, Juntendo University Urayasu Hospital, Urayasu, Japan

Pe-26-5 Genetic analysis of the variants of vacuolar protein sorting13C gene on Parkinson's disease in Japan

Arisa Hayashida
Department of Neurology, Juntendo University School of Medicine, Japan

Pe-26-6 Immunohistochemical analysis of BRCA1 in Parkinson's disease

Masataka Nakamura
Kansai Medical University Department of Neurology, Japan

Pe-26-7 Association between plasma essential fatty acid levels and motor function in Parkinson's disease

Tadashi Umehara
Department of Neurology, The Jikei University School of Medicine, Tokyo, Japan

Pe-26-8 Parkinson's disease and outcomes after abdominal cancer surgery: a retrospective nationwide study

Satoshi Kodama
Department of Neurology, The University of Tokyo Hospital, Japan

Pe-26-9 Occupancy of adenosine A2A receptors after long-term use of istradefylline in Parkinson's disease

Kenji Ishibashi
Neuroimaging, Tokyo Metropolitan Institute of Gerontology, Japan

Pe-26-10 18F-THK5351-PET Imaging Visualizes Neurodegenerative Changes in Neurodegenerative Diseases

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

Pe-26-11 High UPDRS part 2 score is risk factor for depression in PD patients during COVID-19 pandemic

Fukiko Kitani-morii
Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine, Japan

Pe-26-12 The prevalence and characteristics of anxiety in the patients with Parkinson's disease
Reiko Saika
Department of Neurology, National Center of Neurology and Psychiatry, Japan

Pe-26-13 Frontocortical deficits in Parkinson's disease patients susceptible to pareidolias
Gajanan S. Revankar
Osaka University, Osaka, Japan

Pe-27 English Poster Session 27 En

May 21 (Fri) 11 : 30 ～ 12 : 10 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related11

Pe-27-1 Neural correlates of minor hallucinations in patients with Parkinson's disease
Yuta Terada
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

Pe-27-2 Clinical and imaging features of face pareidolia in Parkinson's disease
Yuta Kajiyama
Osaka University, Dept. of Neurology, Japan

Pe-27-3 Discriminant analysis of cardiovascular tests identifies iRBD conversion to specific synucleinopathy
Luca Baldelli
Department of Biomedical and NeuroMotor Sciences (DiBiNeM), University of Bologna, Italy

Pe-27-4 The relation between striatal neurodegeneration and heart rate variability in Parkinson's disease
Tomomichi Kitagawa
Department of Neurology, The Jikei University School of Medicine, Japan

Pe-27-5 Long-term follow-up of a case with primary orthostatic tremor
Jun Tashiro
Sapporo Parkinson MS Neurological Clinic, Japan

★ Pe-27-6 (APe-01-4) Cognitive Determinants in Isolated RBD: a Cross-sectional and Longitudinal Approach
Luisa Sambati
Department of Biomedical and NeuroMotor Sciences (DiBiNeM), University of Bologna, Italy / IRCCS Istituto delle Scienze Neurologiche di Bologna, Bologna, Italy

Pe-27-7 Involvement of HN in development of Parkinson's disease
Adrianna Wasinska
Jagiellonian University Medical College, Poland

Pe-27-8 Pathological findings in a patient with alpha-synuclein p.A53T and familial Parkinson's disease
Kenya Nishioka
Department of Neurology, Juntendo University School of Medicine, Japan

★Nominees for the Best Presentation Award for the International Participants

Pe-27-9 Volume reduction of olfactory bulb in Parkinson's disease detected by DANTE pulse MRI

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

Pe-27-10 Differentiating Parkinson disease from multiple system atrophy by unpleasant odor stimuli

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

Pe-27-11 Clinical characteristics of Painless legs and moving toes syndrome

Gohei Yamada
Nagoya City Medical Center, Japan

Pe-28 English Poster Session 28 En

May 21 (Fri) 11 : 30 ～ 12 : 10 Room 15 (ICC Kyoto 1F New Hall)

PD/PD-related (basic research) 02

Pe-28-1 Generation of an inducible Cre mouse line MOR-CreER to study mu opioid receptor-expressing neurons

Taro Okunomiya
Department of Biological Sciences, Graduate School of Medicine, Kyoto University, Japan ／Department of Neurology, Graduate School of Medicine, Kyoto University, Japan ／Institute for Advancement of Clinical and Translational Science (iACT), Kyoto University Hospital, Japan

Pe-28-2 Neuroprotective activity of berberine in the rotenone induced Parkinson diseases in rats

Deepika D. Singh
SHUATS, Prayagraj, India

Pe-28-3 Development of monitoring system of human alpha-synuclein using stem cell technology

Hidefumi Suzuki
Department of Neurology, Kyoto University Graduate School of Medicine, Japan ／iPSC-based Drug Discovery and Development Team, RIKEN BioResource Research Center, Japan ／Center for iPS Cell Research and Application (CiRA), Japan

Pe-28-4 withdrawn

Pe-29 English Poster Session 29 En

May 21 (Fri) 11 : 30 ～ 12 : 10 Room 15 (ICC Kyoto 1F New Hall)

ALS (basic research) 02

Pe-29-1 Suppressing effects of Praja1 and ZNF179 E3 ubiquitin ligases on neuronal TDP-43 aggregate formation

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

Pe-29-2 **RNA helicases DDX5 and DDX17 are involved in sporadic ALS pathology**

Mikiko Tada
Department of Neurology and Stroke Medicine, Yokohama City University Hospital, Japan

Pe-29-3 **CRMP1 depletion accelerates motor dysfunction in animal model of amyotrophic lateral sclerosis**

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

Pe-29-4 **Axonal proteins stimulate microglia to produce pro-inflammatory cytokines relevant to ALS**

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

Pe-29-5 **Clinicopathologic study of two patients with amyotrophic lateral sclerosis harboring TBK1 mutations**

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

Pe-29-6 **Optineurin defects cause TDP43-pathology with autophagic vacuolar formation**

Takashi Kurashige
Department of Neurology, National Hospital Organization Kure Medical Center and Chugoku Cancer Center, Japan

Pe-29-7 **TDP-43 pathology of spinal cord in tau-related neurodegenerative disorders**

Yuichi Riku
Inst. Medical Sciences of Aging, Aichi Med. Univ., Japan／Dept. Neurol., Nagoya Univ., Japan

Pe-29-8 **Phase 1/2a, Double-blind, Placebo-controlled Study of Ropinirole Hydrochloride for ALS (ROPALS)**

Shinichi Takahashi
Department of Physiology, Keio University School of Medicine, Japan／Department of Neurology, Keio University School of Medicine, Japan／Department of Neurology and Stroke, Saitama Medical University International Medical Center, Japan

Pe-29-9 **Urinary N-terminal titin fragment is a novel biomarker for amyotrophic lateral sclerosis**

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

Pe-29-10 **Fiber-specific white matter analysis reflects upper motor neuron impairment in ALS**

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

Dementia 04

Pe-30-1 Day service use associated with improvement of orientation and verbal fluency in Alzheimer's disease

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

Pe-30-2 withdrawn

Pe-30-3 Egocentric and allocentric spatial cognition in aMCI and early AD

Ritsuo Hashimoto
Department of Neurology, International University of Health and Welfare, Japan

Pe-30-4 Neurogeriatric approach to delirium/dementia in a multi-faculty university hospital

Ryuji Sakakibara
Neurogeriatric Team, Department of Neurology, Sakura Medical Center, Toho University, Japan

Pe-30-5 MRI/VSRAD®-based analysis of patients with forgetfulness or cognitive decline at our memory clinic

Takayuki Katayama
Department of Neurology, Asahikawa City Hospital, Japan

Pe-30-6 Cingulate island sign in SPECT: clinical biomarker correlations in LBD and AD

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

Pe-30-7 Association of white matter hyperintensity progression with cognitive decline in patients with MCI

Kentaro Hirao
Department of Geriatric Medicine, Tokyo Medical University, Japan

Pe-30-8 Expanded genetic insight and clinical experience of DNMT1-complex disorder

Kaori Hojo
Harima Sanatorium, Division of Neuropsychiatry, Japan

Pe-30-9 Intravascular lymphoma as a cause of treatable neurocognitive disorder: a report of 2 cases

Takashi Irioka
Department of Neurology, Yokosuka Kyosai Hospital, Japan

Pe-30-10 A clinicopathological case report of limbic-predominant age-related TDP-43 encephalopathy (LATE)

Satoshi Tomita
Clinical Research Center, and Department of Neurology, National Hospital Organization Utano National Hospital, Japan

Pe-30-11 Lobar Hemorrhages and Cortical Superficial Siderosis in AD with APOE e2/e2 and THK5351 PET findings

Masaki Ikeda
Faculty of Health and Medical Care (Neurology), Saitama Medical University, Japan ／Department of Neurology, Geriatrics Research Institute and Hospital, Japan ／Department of Neurology, Gunma University Graduate School of Medicine, Japan

Pe-31 English Poster Session 31 En

May 21 (Fri) 16：55～17：35 Room 15 (ICC Kyoto 1F New Hall)

Dementia (basic research) 02

Pe-31-1 withdrawn

Pe-31-2 withdrawn

Pe-31-3 Acetylcholine is decreased in a hippocampus of HCNP-pp knockout mice

Yuko Kondo
Neurology Nagoya City University, Japan

Pe-31-4 cleavage-resistant N-cadherin-KI mice exhibit synapse anomaly and outperformance in learning tasks

Ayae Kinoshita
Faculty of Human Health Sciences, Graduate School of Medicine, Kyoto University, Japan

Pe-31-5 Stress causes aberrant eating behaviors via alteration in the mesolimbic dopamine system

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

Pe-31-6 A search for novel synaptic proteins associated with BACE1/SV2B interaction

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

Pe-31-7 The pathogenic effects of Abeta on blood brain barrier and oligodendrocytes in Alzheimer's disease

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

Pe-31-8 Development of tau nasal vaccine against tauopathy-related dementia

Keiko Imamura
Center for iPS Cell Research and Application (CiRA), Kyoto University, Japan ／iPSC-based Drug Discovery and Development Team, RIKEN BioResource Research Center (BRC), Japan ／Medical-risk Avoidance based on iPS Cells Team, RIKEN Center for Advanced Intelligence Project (AIP), Japan

Pe-32 English Poster Session 32 En

May 21 (Fri) 16 : 55 ～ 17 : 35 Room 15 (ICC Kyoto 1F New Hall)

SBMA・others 02

Pe-32-1 The utility of muscle CT in distinguishing spinal muscular atrophy from other neuromuscular diseases

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

Pe-32-2 Clinical outcomes in adult spinal muscular atrophy treated with nusinersen

Natsuko Togawa
Department of Neurology, Kyoto University Hospital, Japan

Pe-32-3 A longitudinal study of the subjects with SBMA using real-world data

Atsushi Hashizume
Nagoya University, Department of Neurology, Japan

Pe-32-4 Clinical features in female CAG repeat expansion carriers on androgen receptor gene

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

Pe-33 English Poster Session 33 En

May 21 (Fri) 16 : 55 ～ 17 : 35 Room 15 (ICC Kyoto 1F New Hall)

SBMA・others (basic research)

Pe-33-1 Elucidating early pathophysiology of spinal-bulbar muscular atrophy using disease-specific iPSCs

Kazunari Onodera
1Department of Neurology, Aichi Medical University School of Medicine, Japan ／Department of Neurology, Nagoya University Graduate School of Medicine, Japan

Pe-33-2 Allele selective suppression of mutant polyQ protein by LNP-delivered siRNA targeting CAG expansions

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

Pe-33-3 TFEB over-expression reduces mutant AR protein and ameliorates phenotypes of the SBMA mouse model

Hiroaki Adachi
Department of Neurology, University of Occupational and Environmental Health School of Medicine, Japan

Neuroimmunology (basic research) 01

Pe-34-1 Identification of type-1 interferon driven proinflammatory gene set on helper T cells in MS
Norio Chihara
Division of Neurology, Kobe University Graduate School of Medicine, Japan

Pe-34-2 Perivascular macrophage infiltration and the myelin phagocytosis in MOG antibody-associated diseases
Yoshiki Takai
Department of Neurology, Tohoku University Graduate School of Medicine, Japan

Pe-34-3 Lack of Parkin alters glial immune responses and increases neuroinflammation during EAE
Davide Cossu
Juntendo University, Japan

Pe-34-4 Cellular Immunity and Neuroinflammation in Patients with Active MS or NMOSD
Makoto Matsui
Department of Neurology, Kanazawa Medical University, Japan

Pe-34-5 An unexpected tolerogenic potency of an anti-thyroid hormone drug
Yoshimitsu Doi
Seikeikai Hospital, Japan ／National Center of Neurology and Psychiatry, Japan

Pe-34-6 Chronic excessive alcohol drinking exacerbated experimental autoimmune encephalomyelitis
Kota Moriguchi
Self Defense Forces Hanshin Hospital, Japan ／Department of Neurology, Kindai University School of Medicine, Japan

Pe-34-7 Harnessing immunity by the flanking residues of self-peptide that regulates its functional avidity
Youwei Lin
Dep.Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan ／Dep.Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

Pe-34-8 Myelin glycolipid sulfatide alters B cell functions: Roles in the pathogenesis of multiple sclerosis
Mio Hamatani
Department of Neurology, Kansai Medical University Medical Center, Japan ／Department of Immunology, Kyoto University Graduate School of Medicine, Japan

Pe-34-9 Analysis of Cytokines and Chemokines levels in CSF discriminates MS with and without Red Flags
Shinji Ashida
Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan

Pe-35 English Poster Session 35 En

May 21 (Fri) 16 : 55 ～ 17 : 35 Room 15 (ICC Kyoto 1F New Hall)

Neuroimmunology 05

Pe-35-1 Correlation between cognitive and brain MRI parameters in Japanese patients with multiple sclerosis

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

Pe-35-2 Validation of the SDMT as a measure of silent progression in MS: a retrospective cohort study

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

Pe-35-3 Relationship between immunotherapies and severity during recovery phase of NMDAR encephalitis

Satoru Oji
Department of Neurology, Saitama Medical Center, Saitama Medial University, Japan

Pe-35-4 Difference of distribution in limbic system between herpes simplex and autoimmune encephalitis

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

Pe-35-5 Immunostaining pattern of neuronal surface antibodies with in-house IHC and commercial IHC

Atsuko Yanagida
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Pe-36 English Poster Session 36 En

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Neuroinfection 03

Pe-36-1 withdrawn

Pe-36-2 Anterior ischemic optic neuropathy associated with Schistosoma mansoni infection

Aye M. Nyein
North Okkalapa General and Teaching Hospital, Myanmar

Pe-36-3 HIV ASSOCIATED NEUROCOGNITIVE DISORDER AND COVID 19 INFECTION IN A 37 YEAR OLD FILIPINO PATIENT

Dianne P. Ducay
Perpetual Succour Hospital, Cebu City, Philippines

Pe-36-4 A patient with sporadic Creutzfeldt-Jakob disease and repeated intracranial hemorrhage

Akio Akagi
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Pe-36-5 Prion gene PRNP Y162X truncation mutation induced a refractory esophageal achalasia

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Pe-37 English Poster Session 37 En

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Sleep disorders

Pe-37-1 MRI-based machine learning for diagnosing REM sleep behavior disorder in older population

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Pe-37-2 POLYSOMNOGRAPHIC PREDICTORS OF RESPONSE TO MILNACIPRAN IN DEPRESSION

Amrit Pattojoshi
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Pe-37-3 withdrawn

Pe-38 English Poster Session 38 En

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Headache 02

Pe-38-1 withdrawn

Pe-38-2 Galcanezumab Dose Justification for Japanese Patients with Migraine by Population PK/PD analyses

Hanaka Mimura
Eli Lilly Japan K.K., Kobe, Japan

Pe-38-3 Reappraisal of abnormal EEG in migraine by wide-band digital EEG

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

Pe-38-4 Relationship between central sensitization and restless legs syndrome in patients with migraine

Keisuke Suzuki
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Pe-38-5 Effect of blue light on cortical spreading depression

Eiji Kitamura
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Pe-39 English Poster Session 39 En

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Clinical neurophysiology 02

Pe-39-1 Focal delta slow wave with fast oscillations in scalp-EEG may represent epileptogenicity in epilepsy

Miwa Takatani
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Pe-39-2 Direct, not network-mediated, electrical stimulation reduces excitability in the epileptic focus

Shunsuke Kajikawa
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Pe-39-3 Functional mapping of semantic processing in the anterior temporal lobe

Akihiro Shimotake
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Pe-39-4 Slow and infraslow of scalp EEG is associated with transient neurological events in Moyamoya disease

Kozue Hayashi
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Pe-40 English Poster Session 40 En

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Medical care for intractable diseases 02

Pe-40-1 Five-years' accomplishment of Initiative on Rare and Undiagnosed Diseases (IRUD)

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