Pe-001 English Poster Session

Cerebrovascular disease (biomarker)

Chair: Shigeru Fujimoto
Division of Neurology, Department of Medicine, Jichi Medical University

Commentator: Kazutoshi Nishiyama
Department of Neurology, Kitasato University School of Medicine

Pe-001-1 Gut dysbiosis causes lipopolysaccharide-mediate inflammation in cerebral ischemia in diabetic mice
Naohide Kurita
Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan

Pe-001-2 Modification of RANKL-based peptide, MHP1, for clinical use in ischemic stroke
Munehisa Shimamura
Department of Neurology, Osaka University / Department of Health Development and Medicine, Osaka University

Pe-001-3 Neuroprotective effects of dimethyl fumarate on transient middle cerebral artery occlusion in mice
Kazushi Minami
Department of Neurology, Keio University School of Medicine

Pe-001-4 Effects of edaravone on NO OH- metabolism and nNOS activity during cerebral ischemia and reperfusion
Yasuo Ito
Department of Neurology, Saitama Medical University

Pe-001-5 MMP-9 upregulation is attenuated by TLR2 antagonist T2.5 after OGDR in rat BMECs
Meng Qiang
Department of Neurology, the first people’s hospital of Yunnan province, China

Pe-002 English Poster Session

Cerebrovascular disease (therapeutics)

Chair: Yasuo Terayama
Division of Neurology and Gerontology, Department of Internal Medicine, School of Medicine, Iwate Medical University

Commentator: Toshiki Mizuno
Department of Neurology, Kyoto Prefectural University of Medicine

Pe-002-1 Chronic cerebral hypoperfusion activates AIM2 and NLRP3-inflammasome
Hirofumi Matsuyama
Department of Neurology, Mie University Graduate School of Medicine
### Pe-002-2  Morphological dynamics of microglia in the cerebral vascular change induced by chronic hypertension

Takashi Koizumi  
Department of Neurology, Kyoto Prefectural University of Medicine

### Pe-002-3  Constructing CADASIL model using transgenic Drosophila bearing chimeric forms of NOTCH3 and JAG1

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

### Pe-002-4  Histopathologic features of three autopsied patients with CADASIL

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

### Pe-002-5  Pathologic findings of tail arteries in CADASIL model mice

Akihiko Ueda  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University

### Pe-002-6  Repetitive Transcranial Magnetic Stimulation for Lower Extremity Function & Gait Recovery in Stroke

Jeryl T. Yu  
St. Luke's Medical Center, Philippines

### Pe-003  English Poster Session

**May 23 (Wed) 17:40 ~ 18:46**  
Poster Session (Royton Sapporo [Royton Hall] 3F)

**Cerebrovascular disease (IVR)**

Chair: Masafumi Ihara  
Department of Neurology, National Cerebral and Cardiovascular Center  
Commentator: Atsushi Shiraishi  
Emergency and Trauma Center, Kameda Medical Center

#### Pe-003-1  Short term outcomes of mechanical thrombectomy for acute ischemic stroke about elderly patients

Tatsuo Ihara  
Department of Neurology, Otaru General Hospital

#### Pe-003-2  Clinical investigations of cases transferred to our hospital for cerebral thrombectomy

Kentaro Tatsuno  
St. Marianna University Toyoko Stoke center

#### Pe-003-3  Correlation of clinical characteristics and histological clot composition in acute ischemic stroke

Shiro Yamamoto  
Division of Stroke Medicine, Osaka National Hospital

#### Pe-003-4  Change in NIHSS as a useful marker for effectiveness of thrombectomy after t-PA in elderly patients

Shigeru Nogawa  
Department of Neurology, Tokai University Hachioji Hospital
The clinical findings and treatment of bilateral vertebral artery dissection
Toshiyasu Ogata
Department of Neurology, Fukuoka University, Japan

Eight and a Half Syndrome with Hemiparesis: a possible Nine Syndrome
Kim Lim Koo
Department of Medicine, Hospital Enche’ Besar Hajjah Khalsom, Kluang, Johor, Malaysia

English Poster Session

May 23 (Wed) 17:40 ~ 18:46 Poster Session (Royton Sapporo [Royton Hall] 3F)

Dementia (Risk factors)
Chair: Atsushi Iwata
Department of Neurology, Graduate School of Medicine, The University of Tokyo
Commentator: Takeshi Kawarabayashi
Department of Neurology, Institute of Brain Science, Hirosaki University Graduate School of Medicine

SLOWLY PROGRESSIVE AMNESIA WITHOUT ALZHEIMER’S DISEASE FEATURES
Naoki Kasahata
Division of Neurology, Department of Medicine, Tokyo Metropolitan Ohtsuka Hospital

Neuropsychological features of the subjects involved in Initial Phase Intensive Support Team action
Daiki Takano
Department of Neurology, Yokohama General Hospital

ANALYSIS OF CONFIRMED OR SUSPECTED ABUSED ELDER CASES IN ABUSE COMMITTEE
Norimasa Mitsuma
Meitetsu Hospital

Validation of our original dementia rating (modified Clinical Dementia Rating Japan)
Fumitoshi Niwa
Kyoto Prefectural University of Medicine North Medical Center / Kyoto Prefectural University of Medicine, Department of Neurology

A systematic review on dementia risk models and predictive performance
Xiao-he Hou
Department of Neurology, Qingdao Municipal Hospital, Qingdao University, China

Predictive factors of artificial feeding in sporadic Creutzfeldt-Jakob disease
Pei-chen Hsieh
Chang Gung Memorial hospital, Taiwan
Pe-005 English Poster Session
May 23 (Wed) 17:40 ~ 18:46 Poster Session (Royton Sapporo [Royton Hall] 3F)

**Parkinsonism and Related disorders (Clinical research)**
Chair: Shinsuke Fujioka
Department of Neurology, Fukuoka University
Commentator: Francisco Cardoso
UFMG, Brazil

**Pe-005-1**
Pharmacological Comparison of Delirium by Levodopa Infusion to Parkinson-Related Disease Patients
Mitsuo Kodama
Department of Neurology, Federation of National Public Service Personnel Mutual Aid Association, Hirakata Kohsai Hospital

**Pe-005-2**
The pharmacological effect of selective AMPA-R antagonist for cerebellar involuntary movements
Naomi Kanzato
Department of Neurology, Okinawa Prefectural Southern Medical Center & Children’s Medical Center

**Pe-005-3**
Disease progression in Parkinson’s disease
Yasushi Osaki
Department of Neurology, Kochi Medical School

**Pe-005-4**
Characteristics and diagnosis of leg tremors in primary orthostatic tremor and Parkinson’s disease
Jun Tashiro
Sapporo Parkinson MS Neurological Clinic

**Pe-005-5**
Digenic mutations of parkin/PINK1 or LRRK2/PINK1 in familial Parkinson’s disease
Kenya Nishioka
Department of Neurology, Juntendo University School of Medicine

**Pe-005-6**
LRRK2 GTPase domain variants in Dementia
Shin Hui Ng
National Neuroscience Institute, Singapore

Pe-006 English Poster Session
May 23 (Wed) 17:40 ~ 18:46 Poster Session (Royton Sapporo [Royton Hall] 3F)

**Parkinsonism and Related disorders (Symptoms)**
Chair: Yuji Saitoh
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry
Commentator: Hideto Miwa
Miwa clinic

**Pe-006-1**
123I-MIBG myocardial scintigraphy predicts language function in de novo Parkinson’s disease
Hidetomo Murakami
Department of Neurology, School of Medicine, Showa University
Defining the visual illusions in Parkinson’s disease: kinetopsia and object misidentification
Yoshiyuki Nishio
Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University School of Medicine

Impaired working memory network and default mode network in Parkinson’s disease
Takaaki Hattori
Department of Neurology and Neurological Science, Tokyo Medical and Dental University

The language and speech symptom of corticobasal syndrome
Emiko Horiuchi
Department of Neurology Sagamihara Hospital

Impact of Rate-Onset REM Sleep Behavior Disorder on Non-Motor Symptoms in Parkinson’s Disease
Yuji Saitoh
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry

Orthostatic hypotension and cognitive function in Parkinson disease
Soo Young Kim
Department of Neurology, Chungnam National University Hospital, Korea

Quantitative measurement of ataxic gait with a triaxial accelerometer: for clinical application
Akira Matsushima
JA Nagano Koseiren Kakeyu-Misayama Rehabilitation Center Kakeyu Hospital / Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine

Quantitative analysis of ataxia using a novel evaluation device in the patients with SCD
Atsushi Hashizume
Nagoya University, department of Neurology

Hereditary leukoencephalopathy with brain stem and spinal cord involvement
Yohei Iguchi
Dept. of Neurology, Nagoya Univ.
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<tr>
<td>Pe-007-4</td>
<td>The clinical features of multisegmental amyotrophy due to superficial siderosis</td>
<td>Ryo Morishima</td>
<td>Department of Neurology, Tokyo Metropolitan Neurological Hospital</td>
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<td>Pe-007-5</td>
<td>Clinical and genetic analysis of three Japanese SPG3A families</td>
<td>Naoki Takegami</td>
<td>Department of Neurology, International University of Health and Welfare Mita Hospital, Tokyo, Japan / Department of Neurology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan</td>
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<td>Pe-007-6</td>
<td>Adult-onset Krabbe disease in two generations of a Chinese pedigree</td>
<td>Tongxia Zhang</td>
<td>Qilu Hospital of Shandong University, China</td>
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**Pe-008 English Poster Session**

**May 23 (Wed) 17:40 ~ 18:46 Poster Session (Royton Sapporo [Royton Hall] 3F)**

**Parkinsonism and Related disorders (Molecular biology)**

Chair: Hidefumi Ito
Department of Neurology, Wakayama Medical University

Commentator: Miho Murata
National Center of Neurology and Psychiatry

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<tr>
<td>Pe-008-1</td>
<td>A novel mutation of LRRK2 p.V1447M in familial Parkinson’s disease</td>
<td>Aya Ikeda</td>
<td>Department of Neurology, Juntendo University School of Medicine</td>
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<td>Pe-008-2</td>
<td>High throughput assays to detect disease-specific abnormalities in familial PD-iPSC derived neurons</td>
<td>Kei-ichi Ishikawa</td>
<td>Department of Neurology, Juntendo University School of Medicine / Center for Genomic and Regenerative Medicine, Juntendo University School of Medicine / Department of Neurology, Koto Hospital</td>
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<td>Pe-008-3</td>
<td>Alpha-synuclein pathology in phrenic nerves of Lewy body disease</td>
<td>Kanako Komatsu</td>
<td>Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry</td>
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<tr>
<td>Pe-008-4</td>
<td>The analysis of LRRK2 distribution in postmortem human brain</td>
<td>Akiko Uchino</td>
<td>Department of Neurology, Kitasato University Kitasato Institute Hospital / Department of Neuropathology (Brain Bank for Aging Research), Tokyo Metropolitan Geriatric Hospital &amp; Institute of Gerontology</td>
</tr>
<tr>
<td>Pe-008-5</td>
<td>Genotype-phenotype correlations of familial Parkinson's disease harboring parkin and PINK1 mutations</td>
<td>Arisa Hayashida</td>
<td>Department of Neurology, Juntendo University School of Medicine</td>
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Chronic Mild Motor Deficit and Ultrastructure of Limbic, Extrapyramidal and Motor Areas in Rat Brain
Mzia Zhvania
Ilia State University, Georgia / I. Beritashvili Center of Experimental Biomedicine, Georgia

Pe-009 English Poster Session
May 23 (Wed) 17:40 ~ 18:46 Poster Session (Royton Sapporo [Royton Hall] 3F)

Neuroimmunology (MS and clinical research2)
Chair: Masaaki Niino
Department of Clinical Research, Hokkaido Medical Center
Commentator: Yuko Shimizu
Department of Neurology Tokyo Women’s Medical University

Pe-009-1 The role of PD-1 expressing T cells in the cerebrospinal fluid of MS and NMO
Norio Chihara
Division of Neurology, Kobe University Graduate School of Medicine

Pe-009-2 Clinical feature of MOG-IgG+ disorder in Japan; survey of 369 pediatric and adult cases
Kimihiko Kaneko
Department of Neurology, Tohoku University, Sendai, Japan

Pe-009-3 Spinal cord atrophy in Japanese multiple sclerosis and neuromyelitis optica spectrum disorders
Yuri Nakamura
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

Pe-009-4 Immunological study of pregnancy outcome in multiple sclerosis with assisted reproductive technology
Yuko Shimizu
Department of Neurology, Tokyo Women’s Medical University

Pe-009-5 Environmental factors for Japanese multiple sclerosis
Ayako Sakoda
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University

Pe-009-6 Clinical and genetic features of Japanese MS and NMOSD based on Japan MS biobank data
Mitsuru Watanabe
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University

Pe-009-7 The role of mitochondrial dysfunction in EAE; 1st report
Davide Cossu
Juntendo University School of Medicine, Japan
### Myopathy (IBM)

**Chair:** Satoshi Yamashita  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University  
**Commentator:** Fumiaki Saito  
Teikyo University, Department of Neurology

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<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Institution(s)</th>
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| Pe-010-1     | Clinical characteristics of sporadic inclusion body myositis with anti-NT5C1A antibodies | Satoshi Yamashita  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University |
| Pe-010-2     | Human Leukocyte type antigen (HLA) typing in patients with polymyositis and inclusion body myositis | Akatsuki Kubota  
Department of Neurology, The University of Tokyo |
| Pe-010-3     | Co-aggregation of amyloid-beta and transthyretin in sporadic inclusion body myositis | Takamura Nagasaka  
Department of Neurology, University of Yamanashi |
| Pe-010-4     | Less limb muscle involvement in myositis patients with anti-mitochondrial antibodies | Takeshi Uenaka  
Division of Neurology, Kobe University Graduate School of Medicine |
| Pe-010-5     | RNA-sequencing analysis of muscle biopsy samples from patients with CD8-MHC-1 complex | Chiseko Ikenaga  
Department of Neurology, The University of Tokyo |
| Pe-010-6     | Generation of novel active immunization model of sporadic inclusion body myositis | Nozomu Tawara  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University |
| Pe-010-7     | Musculoskeletal Disorders and Stress among Home-based Lady Migrant Care Workers in Taiwan | Yen-lin Chuang  
Chang Gung Memorial Hospital, Kaohsiung, Taiwan |
### Pe-011 English Poster Session

**May 23 (Wed) 17:40 ~ 18:46**

**Poster Session (Royton Sapporo [Royton Hall] 3F)**

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<td>Chair: Isao Hozumi</td>
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<tr>
<td>Medical Therapeutics and Molecular Therapeutics, Gifu Pharmaceutical University</td>
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<td>Commentator: Kazushi Deguchi</td>
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<tr>
<td>Department of Neurology, Kagawa University Hospital</td>
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<td>HSCT for adult-onset ALD: Background factors leading to early diagnosis of the brain involvement</td>
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<tr>
<td>Takashi Matsukawa</td>
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<tr>
<td>Department of Molecular Neurology, University of Tokyo, Graduate School of Medicine, Tokyo, Japan</td>
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<td>Galactosialidosis: clinicopathological features of four autopsied patients</td>
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<tr>
<td>Hiroshi Shimizu</td>
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<tr>
<td>Dept. of Pathol., Brain Res. Inst., Niigata Univ.</td>
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<td>Diagnostic utility of magnetic resonance angiography in Japanese patients with Fabry disease</td>
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<tr>
<td>Jun Sawada</td>
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<tr>
<td>Division of Cardiology, Nephrology, Pulmonology and Neurology, Department of Internal Medicine, Asahikawa Medical University</td>
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<td>Risk of diabetes in stroke patients receiving statin treatment: a nationwide matched cohort study</td>
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<td>Yi-chun Chou</td>
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<tr>
<td>China Medical University Hospital, Taiwan</td>
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<th>Pe-011-5</th>
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### Pe-012 English Poster Session

**May 23 (Wed) 17:40 ~ 18:46**

**Poster Session (Royton Sapporo [Royton Hall] 3F)**

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<th>Motor Neuron Disease (Pathogenesis)</th>
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<tr>
<td>Chair: Mitsuya Morita</td>
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<tr>
<td>Jichi Medical University Hospital, Rehabilitation Center</td>
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<td>Commentator: Keiko Imamura</td>
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<tr>
<td>Center for iPS Cell Research and Application (CiRA), Kyoto University</td>
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<th>Pe-012-1</th>
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<td>Effects of heat shock proteins on adenovirus-induced neuronal TDP-43 aggregate formation</td>
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<tr>
<td>Kazuhiko Watabe</td>
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<tr>
<td>Department of Medical Technology (Neuropathology), Faculty of Health Sciences, Kyorin University / Department of Pathology, Tokyo Woman's Medical University</td>
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</table>
Pe-012-2  DDX17 accumulates in endoplasmic reticulum of motor neurons in sporadic ALS
Mikiko Tada
Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine

Pe-012-3  Detection of early glial inflammation in pre-symptomatic spinal cord tissues of ALS
Shintaro Hayashi
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University / Department of Neurology, Gunma Rehabilitation Hospital

Pe-012-4  Disruption of TDP-43 autoregulation lead to formation of cytoplasmic aggregates
Kazuhiro Maeta
Osaka University Graduate School of Medicine

Pe-012-5  Immunoreactivity of neuropeptides in the intermediolateral nucleus in amyotrophic lateral sclerosis
Akiyo Hineno
Intractable Disease Care Center, Shinshu University Hospital / Third Department of Medicine, Shinshu University School of Medicine

Pe-012-6  Modulation of Hypoxia Signaling Prevents Disease Progression of Amyotrophic Lateral Sclerosis
Tomonori Hoshino
Drug Screening Incubation Laboratory, Graduate School of Medicine, Kyoto University, Kyoto, Japan / Department of Neurology, Graduate School of Medicine, Kyoto University, Kyoto, Japan

Pe-012-7  Semantic deficits in amyotrophic lateral sclerosis evaluated with Jukujikun
Aya Ogura
Nagoya University Department of Neurology

Pe-013  English Poster Session
May 23 (Wed) 17:40 ~ 18:46  Poster Session (Royton Sapporo [Royton Hall] 3F)

Motor Neuron Disease (Basic research)
Chair: Makoto Urushitani  
Department of Neurology, Shiga University of Medical Science

Commentator: Yasumasa Kokubo  
Kii ALS/PDC Research Center, Mie University Graduate School of Regional Innovation Studies

Pe-013-1  Initial in vivo evaluation of biodegradable intrabody against pathogenic TDP-43 aggregates
Yoshitaka Tamaki
Department of Neurology, Shiga University of Medical Science
Peripheral neuropathy (Basic research)

Chair: Kenichi Kaida
Division of Neurology, Dept. of Internal Medicine, National Defense Medical College

Commentator: Kensuke Shiga
Department of Medical Education

Pe-014-1 Ghrelin alleviates paclitaxel-induced neuropathy by enhancing mitochondrial anti-oxidant functions
Nobuyuki Ishii
Division of Neurology, Respirology, Endocrinology and Metabolism, Department of Internal Medicine, Faculty of Medicine, University of Miyazaki

Pe-014-2 Clinical courses and responses to immunotherapies in 38 patients with anti-MAG/SGPG neuropathy
Taro Matsui
Department of Neurology, Kindai University Faculty of Medicine / Department of Neurology, Anti-aging and Vascular Medicine, National Defense Medical College

Pe-014-3 Gene therapy for neuropathic pain through siRNA delivery with homing peptides to microglia
Tomoya Terashima
Department of Stem Cell Biology and Regenerative Medicine, Shiga University of Medical Science

Pe-014-4 Abnormal Mitochondrial Function and Dynamics in LBSL
Min-yu Lan
Neurology, Kaohsiung Chang Gung Memorial Hospital, Taiwan / Center for Parkinson's Disease, Department of Neurology, Kaohsiung, Taiwan
Pe-015  English Poster Session
May 23 (Wed) 17:40 ~ 18:46  Poster Session (Royton Sapporo [Royton Hall] 3F)

Epilepsy (Elderly1)
Chair: Kazutaka Jin
Department of Epileptology, Tohoku University Graduate School of Medicine
Commentator: Genjiro Hirose
Neurological Center, Asanogawa General Hospital

Pe-015-1  A study of MRI findings at the acute state of epileptic seizures
Kei-ichiro Takase
Neurological department, Iizuka Hospital

Pe-015-2  Incidence and Characterization of Post Gliotic Seizures Among the Elderly: A Cross-Sectional Study
Christian Oliver C. Co
Quirino Memorial Medical Center, Philippines

Pe-015-3  CLINICAL PROFILE OF OBSTETRIC PATIENTS PRESENTING WITH SEIZURE ADMITTED IN A TERTIARY HOSPITAL
Karisse Abril
Quirino Memorial Medical Center, Philippines

Pe-015-4  CLINICAL PROFILE OF POST-STROKE SEIZURES IN A LOCAL TERTIARY: A CROSS-SECTIONAL ANALYTICAL STUDY
Paul Emmanuel L. Yambao
Quirino Memorial Medical Center

Pe-016  English Poster Session
May 23 (Wed) 17:40 ~ 18:46  Poster Session (Royton Sapporo [Royton Hall] 3F)

Miscellaneus (Basic research1)
Chair: Yuji Nakatsuji
Department of Neurology, Toyama University Hospital
Commentator: Tatsuro Mutoh
Department of Neurology, Fujita Health University School of Medicine

Pe-016-1  Theoretical model of nerve conduction in unmyelinated nerves and saltatory conduction
Tetsuya Akaishi
Department of Neurology, Tohoku University / Department of Neurology, Yonezawa National Hospital

Pe-016-2  Tau isoforms Imbalance impairs adult hippocampal neurogenesis
Nobuyuki Iwade
Department of Neurology, Nagoya Univ. Grad. Sch. of Med., Nagoya, Japan

Pe-016-3  Effects of clioquinol on autophagy-lysosome system in cultured astrocytes
Yasuaki Mizutani
Department of Neurology, Fujita Health University School of Medicine
Inhibition of Semaphorin 3A enhances axonal outgrowth and improves functional recovery after stroke
Kenichiro Hira
Department of Neurology, Juntendo University School of Medicine

Pe-016-5 Case report of Hirayama disease in the Southern of Thailand
Dussadee Seanglaw
Surat Thani hospital, Thailand

Role of AKT1 3UTR variants in schizophrenia and neurocognition
Tze Jen Chow
Universiti Tunku Abdul Rahman, Malaysia

Progressive Visual Loss in 50-Year-Old Woman with Optic Nerve Sheath Meningioma: A Case Report
Mark M. Ando
Perpetual Succour Hospital, Philippines

The relationship between promoters and capsid proteins in induction of adeno-associated virus vector
Yoshihide Sehara
Division of Genetic Therapeutics, Center for Molecular Medicine, Jichi Medical University

Proteome alternations in knock-in mice expressing nonphosphorylated CRMP2
Haruko Nakamura
Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine / Department of Molecular Pharmacology and Neurobiology, Yokohama City University Graduate School of Medicine

Epigenetic regulators in the survival and differentiation of oligodendrocyte precursor cells
Naohiro Egawa
Department of Neurology, Graduate School of Medicine, Kyoto University / Neuroprotection Research Laboratory, Departments of Radiology and Neurology, Massachusetts General Hospital and Harvard Medical School, Charlestown, Massachusetts, USA

Knockdown of Rubicon extends lifespan and attenuates polyglutamine toxicity in Drosophila
Mari Suzuki
Department of Sensory and Motor Systems, Tokyo Metropolitan Institute of Medical Science
| Pe-017-5 | Development of Neurofilament-L high sensitivity assay by proximity-dependent DNA ligation method  
Sou Kasahara  
Department of Neurology, Brain Research Institute, Niigata University |
| Pe-017-6 | Doppler ultrasonography correlation of reactivity of cerebral vessels in patients with PTH  
Yuliia Yakubenko  
Kharkiv Medical Academy of Postgraduate Education, Ukraine |
| Pe-017-7 | Prevalence of primary headache disorders in Mongolia  
Byambasuren Tsenddorj  
State Third Central Hospital, Mongolia |