O-38  Oral Session 38
May 25 (Sat)  10:15 ~ 11:45  Room 2 (Osaka International Convention Center 5F Small Hall)

Cerebrovascular disease
Chair: Kazuo Kitagawa
Department of Neurology, Tokyo Women’s Medical University

O-38-1  A nationwide multi-center questionnaire survey on the management of post-stroke dementia in Japan
Kazuo Washida
Division of Neurology, National Cerebral and Cardiovascular Center

O-38-2  Weight of retrieved clots and clinical/pathological features in the patients with thrombectomy
Masanori Cho
Department of Neurology and Stroke Treatment, Kyoto First Red Cross Hospital

O-38-3  Development and installation of Visual Task Management ICT system for Acute Stroke Care
Shoji Matsumoto
Department of Comprehensive Strokology, Fujita Health University School of Medicine / Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University

O-38-4  The efficacy of carotid arterial stenting divided before and after invasive surgeries
Shigen Kasakura
Department of Cerebral Endovascular Treatment, Saitama Medical University International Medical Center

O-38-5  Features of stroke patients treated with intracranial angioplasty for acute recanalization
Keisuke Imai
Department of Neurology and Stroke Treatment, Kyoto First Red Cross Hospital

O-38-6  Changes in LDL cholesterol values and statin use for acute stroke recurrence
Misato Yokose
Division of Neurology, Department of Medicine, Jichi Medical University

O-39  Oral Session 39
May 25 (Sat)  10:15 ~ 11:45  Room 3 (Osaka International Convention Center 10F Conference Room 1003)

Parkinsonism and Related disorders (therapeutics)
Chair: Masahiko Suzuki
The Jikei University Katsushika Medical Center

O-39-1  Relationship between inferior longitudinal fiber damage and hallucination in Parkinson disease
Natsuko Yuki
National Hospital Organization, Maizuru Medical Center, Department of Neurology
The right temporo-parietal cortex plays a role in the verticality perception of Parkinson's disease
Masayuki Kohsaka
Department of Neurology, National Hospital Organization Utano Hospital / Clinical Research Center, National Hospital Organization Utano Hospital

Analysis of diffusion MRI data in corticobasal syndrome by MRtrix 3
Shun Sakamoto
Department of Internal Medicine Division of Neurology, Hyogo College of Medicine

Characteristics of apathy in treatment-naive patients with Parkinson's disease
Hiroo Terashi
Department of Neurology, Tokyo Medical University

Vestibulo-ocular reflex abnormality in Parkinson disease detected by head impulse test
Takuya Fukuoka
Department of Neurology, Saitama Medical University

Efficacy of vibration and posture adjustment for camptocormia in Parkinson's disease
Yasuyuki Iwata
Department of Physical Rehabilitation, National Center Hospital of Neurology and Psychiatry

TDP-43 controls ribosomal RNA maturation by regulating the function of ribosomal proteins
Seiichi Nagano
Department of Neurology, Osaka University Graduate School of Medicine, Japan / Department of PNS Research, National Institute of Neuroscience, NCNP, Japan

FTD-3-associated CHMP2B mutations leads to impaired exosomal secretion
Taiji Tsunemi
Department of Neurology, Juntendo University, Japan

LC-domain misregulation leads to amyotrophic lateral sclerosis and related diseases
Eiichiro Mori
Department of Future Basic Medicine, Nara Medical University, Japan
O-40-4 Effect of fingolimod on oligodendrocyte maturation under prolonged cerebral hypoperfusion
Ken Yasuda
Department of Neurology, Kyoto University, Graduate School of Medicine, Japan

O-40-5 Motor nerve organoid to analyze axonal degeneration as the early event in ALS
Naoki Suzuki
Department of Neurology, Tohoku University, Japan

O-40-6 Induction of polymorphonuclear myeloid-derived suppressor cells in ischemic stroke in mice
Tomohiro Kawano
Department of Neurology, Osaka University Graduate School of Medicine, Japan / Department of Health Development and Medicine, Osaka University Graduate School of Medicine, Japan

O-41 Oral Session 41
May 25 (Sat) 10:15 ~ 11:45 Room 5 (Osaka International Convention Center 10F Conference Room 1005-1007)

Neuromuscular junction disorders
Chair : Kimiaki Utsugisawa
Hanamaki General Hospital

O-41-1 Neutrophil activity in myasthenia gravis using a real-time luminescence monitoring system
Arata Abe
Department of Neurology and Stroke Medicine, Tokyo Metropolitan Tama Medical Center

O-41-2 National Epidemiological Survey of Myasthenia Gravis and Lambert-Eaton Myasthenic Syndrome 1st
Hiroaki Yoshikawa
Kanazawa University Health Service Center

O-41-3 When do patients with generalized myasthenia gravis achieve the practical treatment goal?
Yukiko Ozawa
Department of Neurology, Chiba University School of Medicine

O-41-4 The effectiveness of early fast-acting treatment for myasthenic crises avoidance
Ryo Sugaya
National Hospital Organization Sendai Medical Center, Neurology / Kesennuma City Motoyoshi Hospital

O-41-5 Clinical features of of myasthenia gravis and myositis associated with immune checkpoint inhibitors
Masao Osaki
Department of Neurology, Toranomon Hospital

O-41-6 Report of a study on carry-over childhood onset Myasthenia Gravis
Yuki Hatanaka
Department of Neurology, Teikyo University Medical Hospital
O-42 Oral Session 42
May 25 (Sat) 10:15 ~ 11:45  Room 6 (Osaka International Convention Center 10F Conference Room 1009)

Neuroinfection
Chair: Hideto Nakajima
Nihon University School of Medicine, Neurology

O-42-1 Analysis of biomarkers in human prion disease patients
Katsuya Satoh
Department of Health Sciences, Unit of Rehabilitation Sciences, Nagasaki University Graduate School of Biomedical Sciences

O-42-2 Adaptation of acyclovir in aseptic meningitis
Ruoyi Ishikawa
Hiroshima City Hospital Neurology

O-42-3 DAT scan indicates preserved dopamine transporter until the middle stage of clinical course in GSS
Natsuki Suetsugi
Kouhoukai Takagi Hospital, division of Neurology

O-42-4 Epidemiological survey and analysis of Progressive multifocal leukoencephalopathy in Japan
Yoshiharu Miura
Department of Neurology, Tokyo Metropolitan Komagome Hospital

O-42-5 Glossopharyngeal nerve and vagus nerve paralysis cases caused by varicella zoster virus
Taiji Mukai
Department of Neurology, The Jikei University Kashiwa Hospital

O-42-6 Features of acute encephalitis/encephalopathy in elderly patient
Atsushi Yamamoto
Department of Neurology and Stroke Treatment, Kyoto First Red Cross Hospital, Kyoto, Japan

O-43 Oral Session 43
May 25 (Sat) 10:15 ~ 11:45  Room 7 (Osaka International Convention Center 10F Conference Room 1008)

Cerebrovascular disease (Clinical research 4)
Chair: Hidekazu Tomimoto
Mie University Graduate School of Medicine, Department of Neurology
Commentator: Shutaro Takashima
JCHO Takaoka Fushiki Hospital

O-43-1 Frequent PACs in cryptogenic stroke patients predict AF in insertable cardiac monitoring
Kenichi Todo
Department of Neurology, Osaka University Hospital, Japan
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
</table>
| O-43-2  | The anterior 1/3 of the internal capsule is also supplied by the the anterior choroidal artery | Yasumasa Yamamoto  
Department of Neurology, Kyoto Katsura Hospital, Japan |
| O-43-3  | Cilostazol ameliorates I/R-induced BBB disruption by inhibiting endoplasmic reticulum stress | Ding Nan  
Peking University First Hospital, China |
| O-43-4  | 18F-THK5351 PET can identify Wallerian degeneration of the pyramidal tract in a post-stroke patient | Kenji Ishibashi  
Research Team for Neuroimaging, Tokyo Metropolitan Institute of Gerontology, Japan / Department of Neurology, Tokyo Metropolitan Cancer and Infectious Diseases Center  
Komagome Hospital, Japan |
| O-43-5  | Three-year survival and recurrence after stroke in the era of DOAC and DAPT | Yoshinari Nagakane  
Department of Neurology, Kyoto Second Red Cross Hospital, Japan |
| O-43-6  | withdrawn                                                             |                                                                                                  |

---

### Oral Session 44

**Neurorehabilitation**

Chair: Akira Satoh  
Section of Neurology, Nagasaki Kita Hospital

**O-44-1**  
Epoch-making trial to prevent a fall in patients with decreased trunk function using a fabric  
Muneto Tatsumoto  
Medical Safety Management Center, Dokkyo Medical University Hospital / Department of Neurology, Dokkyo Medical University

**O-44-2**  
The study about the effect of Hybrid Assistive Limb® on spinal and bulbar muscular atrophy patients  
Daisuke Mizui  
Ichinomiya Nishi Hospital Department of Neurology

**O-44-3**  
The effect of integrated volitional control electrical stimulation toward chronic stroke patients  
Yasumasa Asai  
Yokohamashintoshi neurosurgical Hospital, Department of Rehabilitation

**O-44-4**  
The study about the effect of Hybrid Assistive Limb® on parkinson's related disorders  
Masahiro Kanai  
Ichinomiyaniishi Hospital
**O-44-5**
Effects of repetitive transcranial magnetic stimulation on cerebral glucose metabolism
Yoshihiko Horimoto
Department of Neurology, Nagoya City Rehabilitation and Sports Centre

**O-44-6**
Initial experience of rehabilitation using HAL\(^*\) in patients with hereditary motor and sensory neuropathy with proximal dominant involvement
Miwako Kido
National Hospital Organization Okinawa Hospital department of Neurology

---

**O-45**
Oral Session 45
May 25 (Sat) 10:15 ~ 11:45  Room 10 (Osaka International Convention Center 12F Grande Toque)

**Neurogenetics/ Gene therapy (Clinical research)**
Chair: Yoshihisa Takiyama
Department of Neurology, University of Yamanashi

**O-45-1**
Assessment of the pathogenicity of dysferlin variants by frequency of the Japanese population
Toshiaki Takahashi
Department of Neurology, NHO Sendai-Nishitaga National Hospital

**O-45-2**
Screening of candidate causative genes of hereditary spastic paraplegia
Yuta Ichinose
Department of Neurology, University of Yamanashi

**O-45-3**
Clinical and Genetic study of VPS13D-related disorders in Japan
Kishin Koh
Department of Neurology, University of Yamanashi

**O-45-4**
Clinical investigation of the familial cases of MELAS associated with anticipation
Saki Hayashi
Uji Hospital, Department of Neurology

**O-45-5**
Novel missense variant of the TUBB4A gene in adult-onset spastic paraplegia with hypomyelination
Haruo Shimazaki
Division of Neurology, Department of Internal Medicine, Jichi Medical University

**O-45-6**
An epidemiological study of SCA34 in Japan
Kokoro Ozaki
Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University
O-46 Oral Session 46
May 25 (Sat) 10:15 ~ 11:45 Room 11 (Osaka International Convention Center 12F Conference Room 1202)

Motor Neuron Disease 2
Chair: Yasuo Iwasaki
Toho University omori Medical center, Neurology
Commentator: Hideshi Kawakami
Department of Epidemiology, RIRBM Hiroshima University

O-46-1 Introduction of Noninvasive Ventilation and Mechanically assisted coughing in ALS Patients
Osamu Kano
Department of Neurology, Toho University Faculty of Medicine, Japan

O-46-2 Microvasculature as a pro-inflammatory component in a rat model of ALS
Hitoshi Warita
Department of Neurology, Tohoku University Hospital, Japan

O-46-3 Count of fasciculation in ultrasound can predict prognosis of amyotrophic lateral sclerosis
Hiroyuki Todo
National Hospital Organization Hyogo-Chuo National Hospital, Japan

O-46-4 Therapeutic effects of edaravone for enhanced oxidative stress in amyotrophic lateral sclerosis mice
Yasuyuki Ohta
Department of Neurology, Okayama University, Japan

O-46-5 Overestimation of Renal Function Correlates with Loss of Skeletal Muscle Volume in ALS
Yuji Saitoh
Department of Neurology, National Center of Neurology and Psychiatry, Japan

O-46-6 Clinical outcomes in adult spinal muscular atrophy treated with nusinersen
Takashi Ayaki
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

O-47 Oral Session 47
May 25 (Sat) 10:15 ~ 11:45 Room 12 (Osaka International Convention Center 11F Conference Room 1101-1102)

Neuroimmunology 2 (MS and NMO)
Chair: Makoto Matsui
Department of Neurology, Kanazawa Medical University
Commentator: Youwei Lin
Dep.of Neurology, National Center Hospital and Dep.of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry

O-47-1 Changes of disease activities in NMO spectrum disorders over time - a 28-year observational study
Etsuji Saji
Department of Neurology, Brain Research Institute, Niigata University, Japan
O-47-2  The analysis of the monocyte role in NMO with patient-derived AQP4 recombinant antibody
Mikito Shimizu
Department of neurology, Osaka university graduate school of medicine, Japan

O-47-3  Chemokines associated with early relapse after fingolimod withdrawal in multiple sclerosis
Yusei Miyazaki
Department of Clinical Research, Hokkaido Medical Center, Japan / Department of Neurology, Hokkaido Medical Center, Japan

O-47-4  Relationship between cognitive impairments and specific brain region volume in MS and NMOSD patients
Ryouhei Komaki
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

O-47-5  A clinically-based acore predicting cryptogenic new-onset refractory status epilepticus (C-NORSE)
Atsuko Yanagida
Department of Neurology, Kitasato University School of Medicine, Japan

O-47-6  Endothelial damage in patients with neuromyelitis optica spectrum disorder with aquaporin-4 IgG
Hiroshi Kuroda
Department of Neurology, Tohoku University Graduate School of Medicine, Japan