

**Motor Neuron Disease (Biomarker)**

Chair : Yuishin Izumi

Department of Neurology, Tokushima University Hospital

O-01-1

**Serum CCL4 in amyotrophic lateral sclerosis:  
A potential marker for cognitive impairment**

Shotaro Haji

Department of Clinical Neuroscience, Institute of Biomedical Sciences, Tokushima University  
Graduate School

O-01-2

**Reduction rate of body mass index after diagnosis in ALS predicts  
survival prognosis**

Tosiho Shimizu

Department of Neurology, Tokyo Metropolitan Neurological Hospital

O-01-3

**Predicting progression and prognosis of patients with amyotrophic  
lateral sclerosis using ALSFRS-R**

Naoki Atsuta

Nagoya University

O-01-4

**Axonal excitability alterations in spinal and bulbar muscular atrophy**

Kazumoto Shibuya

Department of Neurology Graduate School of Medicine Chiba University

**Headache and Sleep Disorder**

Chair : Takao Takeshima  
Tominaga Hospital, Neurology, Headche Center

**O-02-1 Effect of steroids for Japanese patients with refractory medication overuse headache**

Shoji Kikui  
Department of Neurology, Headache center, Tominaga Hospital

**O-02-2 Investigation using Night Drive Lens Eyeglasses for Migraine Patients**

Muneto Tatsumoto  
Department of Neurology, Dokkyo Medical University

**O-02-3 Volumetric analysis of subcortical structures in relation to migraine frequency using FSL-FIRST**

Takashi Kurokawa  
Department of Neurology, JCHO Tokyo Shinjuku Medical Center / Department of Neurology, University Hospital Mizonokuchi, Teikyo University School of Medicine

**O-02-4 Predict factor of phenoconversion from idiopathic REM sleep behavior disorder to Lewy body disease**

Tomoyuki Miyamoto  
Department of Neurology, Dokkyo Medical University Saitama Medical Center

**Neuroimmunology (Diagnosis)**

Chair : Shunya Nakane  
Department of Molecular Neurology and Therapeutics, Kumamoto University Hospital

**O-03-1 Characteristics of brain MRI in Hashimoto's encephalopathy with anti-NAE antibodies**

Akiko Matsunaga  
Department of Neurology, Faculty of Medical Sciences, University of Fukui Hospital

**O-03-2 Four cases of Hashimoto encephalitis mimicking Schizophrenia**

Ayako Koguchi  
National Center for Global Health and Medicine TOYAMA hospital Neurology department

**O-03-3 New diagnostic biomarkers in primary central nervous system lymphoma and neuroinflammatory diseases**

Hironori Mizutani  
Department of Neurology, Stroke Center, Saiseikai Kumamoto Hospital

- O-03-4** IL-6 in cerebrospinal fluid and clinical outcome in Posterior Reversible Encephalopathy Syndrome  
 Eiichiro Amano  
 Tsuchiura Kyodo General Hospital, Department of Neurology

**O-04 Oral Session**

**Jp**

May 23 (Wed) 15 : 25 ~ 16 : 25

Room6 (Sapporo Geibunkan [Gyokuyou] 3F)

**Dementia (Diabetes mellitus, evaluation)**

Chair : Yasumasa Ohyagi  
 Department of Neurology and Geriatric Medicine, Ehime University

- O-04-1** Ambulatory glucose profile in diabetes-related dementia  
 Tomohiko Sato  
 Department of Geriatric Medicine, Tokyo Medical University

- O-04-2** Pathological study focused on aquaporin 4 expression in CAA cases  
 Kanako Muraga  
 Department of Neurology, Mie University Graduate School of Medicine / Department of Neurological Science, Graduate School of Medicine, Nippon Medical School

- O-04-3** Current status in FTLD-J: Prospective cohort study of frontotemporal dementia in Japan  
 Michihito Masuda  
 Nagoya University

- O-04-4** CSFIR analysis on cases with adult-onset leukoencephalopathy and accuracy of the HDLS diagnosis  
 Ken Takasone  
 Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine

**O-05 Oral Session**

**Jp**

May 23 (Wed) 15 : 25 ~ 16 : 25

Room7 (Royton Sapporo [Castle] 1F)

**Cerebrovascular disease (medical treatment)**

Chair : Yoichiro Hashimoto  
 Department of Neurology, Kumamoto City Hospital

- O-05-1** Longitudinal study of stroke recurrence in patient with DOAC after cardioembolic infarction  
 Eiichi Nomura  
 Department of Neurology, Brain Attack Center Ota Memorial Hospital

- O-05-2** Association between poststroke disability and apixaban plasma concentration, Anti- Xa activity  
 Masaya Kumamoto  
 Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center

**O-05-3** Factors associated with occurrence of early seizure in acute ischemic stroke

**Soichiro Matsubara**

Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Suita, Osaka, Japan / Department of Neurology, Stroke Center, Saiseikai Kumamoto Hospital, Japan / Department of Neurology, Graduate School of Medical Sciences, Kumamoto University

**O-05-4** Clinical characteristics of stroke in oldest-old patients

**Shizuka Harada**

Department of Neurology, Saiseikai Kumamoto Hospital, Kumamoto

**O-06 Oral Session**

**En**

May 23 (Wed) 15:25 ~ 16:25

Room8 (Royton Sapporo [Empress Hall] 2F)

**Parkinsonism and Related disorders (therapeutics and pathology)**

Chair : **Nobutaka Hattori**

Department of Neurology, Juntendo University

Commentator : **Wolfdieter Springer**

Department of Neuroscience, Mayo Clinic Jacksonville, USA

**O-06-1** Treatment of dysphagia in patients with Parkinson's disease, L-DOPA vs. rotigotine

**Makito Hirano**

Department of Neurology, Kindai University Faculty of Medicine / Department of Neurology, Sakai Hospital Kindai University Faculty of Medicine

**O-06-2** Quality of Life in Parkinson's Disease: Impact of Depression and Apathy

**Hiroshi Nagayama**

Department of Neurological Science, Graduate School of Medicine, Nippon Medical School / YJ-EXPANDS

**O-06-3** Lewy body pathology of the pedunculopontine nucleus in Parkinson's disease with postural abnormality

**Terunori Sano**

Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry

**O-06-4** Evaluation for the strains of alpha-synuclein fibrils in the autopsy brain by synchrotron FTIRM

**Katsuya Araki**

Department of Neurology, Toyonaka Municipal Hospital / Department of Neurology, Osaka University Graduate School of Medicine

**Neuroscience (Molecular biology)**

Chair : Takafumi Hasegawa

Division of Neurology, Department of Neuroscience &amp; Sensory Organs, Tohoku University Graduate School of Medicine

Commentator : Gunnar K. Gouras

Experimental Dementia Research Unit, Lund University, Sweden

**O-07-1 Fibril-inoculated mutant alpha-Synuclein BAC Tg mice as a novel animal model for Parkinson's disease**

Shinya Okuda

Department of Neurology, Graduate School of Medicine, Kyoto University

**O-07-2 Lysosomal exocytosis and astrocytic uptake control the alpha-synuclein levels in PARK9 DA neurons**

Taiji Tsunemi

Department of Neurology, Juntendo University School of Medicine

**O-07-3 Mechanisms underlying extensive Ser129-phosphorylation in a-synuclein aggregates**

Shigeki Arawaka

Division of Neurology, Department of Internal Medicine IV, Osaka Medical College

**O-07-4 Circulating exosomes inhibit differentiation of regulatory T cells via let-7i in multiple sclerosis**

Kimitoshi Kimura

Department of Immunology, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP) / Department of Neurology, Kyoto University Graduate School of Medicine

**Cerebellar ataxia and others (Biomarker, gene)**

Chair : Kinya Ishikawa

Tokyo Medical and Dental University, Center for Personalized Medicine for Healthy Aging

Commentator : Tetsuo Ashizawa

Houston Methodist Research Institute, USA

**O-08-1 Quantitative Evaluation of Multiple System Atrophy by Triaxial Accelerometers**

Shinichi Shirai

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University.

**O-08-2 Clinical characteristics of four patients with ERCC4 mutations manifesting ataxia phenotype**

Hiroshi Doi

Department of Neurology and Stroke Medicine, Yokohama City University

**O-08-3** The knock-in mice of CACNA1G, causing SCA42, exhibit cerebellar ataxia and Purkinje cell death

Yukiko Matsuda  
Dept. Epidemiology, RIRBM, Hiroshima Univ.

**O-08-4** Cerebellar atrophy influence on connectivities related to cognition in multiple system atrophy

Kazuhiro Hara  
Department of Neurology, Nagoya University Graduate School of Medicine

### O-09 Oral Session

En

May 23 (Wed) 15 : 25 ~ 16 : 25

Room11 (Royton Sapporo [Crystal Room A] 2F)

#### Neurophysiology

Chair : Riki Matsumoto  
Department of Neurology, Kyoto University Graduate School of Medicine

Commentator : Yasuo Terao  
Department of Cell Physiology

**O-09-1** Role of premotor and precentral negative motor area in praxis: a direct electrical stimulation study

Masaya Togo  
Kyoto University Graduate School of Medicine, Department of Neurology

**O-09-2** Application of artificial intelligence to needle electromyography for waveform identification

Hiroyuki Nodera  
Dept. of Neurology, Tokushima University

**O-09-3** Eye-hand coordination in hereditary spinocerebellar degeneration

Satomi Inomata-terada  
Department of Cell Physiology, Kyorin University

★ **O-09-4** GWAS based on ATN system identifies new susceptibility loci for Alzheimer disease (APe-01-3)

Chen-chen Tan  
Qingdao Municipal Hospital, School of Medicine, Qingdao University, China

### O-10 Oral Session

En

May 23 (Wed) 15 : 25 ~ 16 : 25

Room12 (Royton Sapporo [Crystal Room B] 2F)

#### Clinical trial

Chair : Masahisa Katsuno  
Department of Neurology, Nagoya University

Commentator : Masahiro Nomoto  
Neurology and Clinical Pharmacology, Ehime University

**O-10-1** Taurine for long-term prevention of stroke-like episodes in MELAS

Sunada Yoshihide  
Department of Neurology, Kawasaki Medical School, Japan

- O-10-2** Do preceding antithrombotics make noncardioembolic stroke milder?  
**Makoto Nakajima**  
 Department of Neurology, Graduate School of Medical Sciences, Kumamoto University
- O-10-3** Registry of Japanese patients with Atrial Fibrillation Focused on anticoagulant In New Era (RAFFINE)  
**Ryota Tanaka**  
 Department of Neurology, Juntendo University
- O-10-4** Treatment of human cells derived from MERRF disease by peptide-mediated mitochondrial delivery  
**Chin-san Liu**  
 Department of Neurology, Changhua Christian Hospital, Taiwan / Vascular and Genomic Center, Changhua Christian Hospital, Changhua, Taiwan / Graduate Institute of Integrated Medicine, College of Chinese Medicine, China Medical University, Taichung, Taiwan

### O-11 Oral Session

**Jp**

May 23 (Wed) 15:25 ~ 16:25 Room13 (Royton Sapporo [Crystal Room C] 2F)

#### Parkinsonism and Related disorders (Drug discovery)

Chair : Yoshio Tsuboi  
 Department of Neurology

- O-11-1** Characteristics and prognosis of Progressive Supranuclear Palsy-Progressive Gait Freezing Patients  
**Toshiya Ishihara**  
 Department of Neurology, Utano National Hospital, Kyoto, Japan
- O-11-2** Progression of clinical milestones by clinical types in Progressive supranuclear palsy  
**Ikuko Aiba**  
 Department of Neurology, National Hospital Organization, Higashinagoya National Hospital
- O-11-3** International diagnostic criteria for Perry syndrome  
**Takayasu Mishima**  
 Department of Neurology, Fukuoka University School of Medicine / Department of Neuroscience, Mayo Clinic
- O-11-4** Longitudinal changes of 18F-THK5351 PET in corticobasal syndrome  
**Akio Kikuchi**  
 Department of Neurology, Tohoku University Graduate School of Medicine

**Myopathy (Genetics and pathology)**

Chair : Ichizo Nishino

Department of Neuromuscular Research, National Institute of Neuroscience,  
National Center of Neurology and Psychiatry

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**O-12-1** Electrophysiological characteristics in 3 Periodic paralysis cases with SCN4A mutation

Takahide Nagashima

Department of Neurology, Dokkyo Medical University

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**O-12-2** Pathogenicity of dysferlin gene variants in the Japanese population

Toshiaki Takahashi

Department of Neurology, National Hospital Organization Sendai-Nishitaga National Hospital

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**O-12-3** Clinicopathological features of myositis induced by anti-PD-1 monoclonal antibodies

Naohiro Uchio

Department of Neurology, Graduate School of Medicine, The University of Tokyo

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**O-12-4** Clinicopathological features of myositis associated with GVHD

Ayuka Murakami

Dept. of Neurology, Nagoya University Hospital / Dept. of Neurology, National Hospital  
Organization Suzuka National Hospital



**Parkinsonism and Related disorders (Imaging 1)**

Chair : Satohi Orimo

Kanto Central Hospital

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- O-13-1** Pathogenesis of motor symptoms of PD and DLB by MIBG myocardial scintigraphy  
Nobuyuki Nishitani  
Dept. of Neurology, Bell Land General Hospital
- 
- O-13-2** The relation between cardiac sympathetic denervation and fall in Parkinson's disease  
Nagahisa Murakami  
Department of Neurology, Tokushima University Hospital
- 
- O-13-3** The utility of standardized MIBG myocardial scintigraphy for diagnosis of Parkinson's disease  
Keisuke Abe  
Department of Neurology, Kanto Central Hospital
- 
- O-13-4** Clinical Applications of DAT Z-score image for Parkinson's Syndrome  
Ryuichi Takahashi  
Departments of Neurology and Cognitive disorders
- 
- O-13-5** Correlation between cognitive function and striatal DAT uptake in patients with Parkinson's disease  
Yoshiko Takebayashi  
Department of Neurology, Japan Organization of Occupational Health and Safety Chugoku Rosai Hospital
- 
- O-13-6** SNPs of dopamine metabolism and risk for L-dopa induced motor complications in Parkinson's disease  
Minako Beppu  
Department of Molecular Diagnosis, Graduate School of Medicine, Chiba University

**Dementia (semiology)**

Chair : Etsuro Mori

Department of behavioral neurology and neuropsychiatry, Osaka University

**O-14-1 Misuse of Classifier in Alzheimer's Disease**

Hideharu Furumoto

National Hospital Organization Chiba Medical Center Department of Neurology

**O-14-2 Phenotype of early-onset familial Alzheimer's disease with a novel presenilin 1 point mutation**

Daisuke Sato

Division of Neurology and Clinical Neuroscience Department of Internal Medicine III, Yamagata University School of Meicine

**O-14-3 writing disturbance in posterior cortical atrophy**

Natsuki Miyakoshi

tokyo metropolitan neurological hospital

**O-14-4 Pathophysiology of apraxia of speech: insights from direct cortical stimulation in a patient**

Mitsuhiro Sakamoto

Department of Neurology, Kyoto University Graduate School of Medicine

**O-14-5 Background of no improvement of mRS among iNPH cases under shunt treatment**

Nagato Kuriyama

Department of Epidemiology for Community Health and Medicine, Kyoto Prefectural University of Medicine

**O-14-6 Diagnosis of progressive supranuclear palsy present on the basis of iNPH: usefulness of pull test**

Satoru Mori

Matsushita Memorial Hospital Department of Neurology / Hoshigaoka Medical Center  
Department of Neurology**Cerebrovascular disease (Prognostic factor)**

Chair : Takahiro Kuwashiro

Department of Cerebrovascular Medicine and Neurology, Cerebrovascular Center and Clinical Research Institute, National Hospital Organization Kyushu Medical Center

**O-15-1 Outcomes in mild ischemic stroke at three months**

Teppei Komatsu

Department of Neurology, Jikei University School of Medicine

**O-15-2** Insight into the intervals between repetitive transient ischemic attacks

**Yoshinari Nagakane**

Department of Neurology, Kyoto Second Red Cross Hospital, Japan

**O-15-3** Controlling Nutritional Status score predicts 3-month functional outcome with acute ischemic stroke

**Hiroyuki Naito**

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

**O-15-4** Characteristics and outcomes of patients with stroke following living donor kidney transplantation

**Motohiko Koizumi**

Department of Neurology, Tokyo Women's Medical University

**O-15-5** The impact of eGFR on a recurrence of ischemic stroke: the Fukuoka Stroke Registry

**Kana Ueki**

Department of Cerebrovascular medicine and Neurology, Clinical research Institute, National Hospital Organization Kyushu medical center

**O-15-6** Association between cognitive function and recurrence of stroke -Fukuoka Stroke Registry-

**Ayaka Maeda**

Department of Cerebrovascular medicine and Neurology, Clinical research Institute, National Hospital organization Kyushu medical center

## **O-16 Oral Session**

**Jp**

May 24 (Thu) 9 : 45 ~ 11 : 15

Room5 (Sapporo Geibunkan [Seiryu] 3F)

### **Parkinsonism and Related disorders (semiology)**

Chair : Takayoshi Shimohata

Department of Neurology and Geriatrics, Gifu University Graduate School of Medicine

**O-16-1** A study of cortical somatosensory dysfunction in corticobasal syndrome using voxel-based morphometry

**Kana Matsuda**

Department of Rehabilitation, Mie University Hospital / Department of Neurology, Graduate School of Medicine, Mie University

**O-16-2** Clinical features of Progressive supranuclear palsy-Parkinsonism

**Hiroki Yamaguchi**

Department of Neurology and Neurobiology of Aging, Kanazawa university Graduate School of Medical Science

**O-16-3** Adult expression recognition test in Parkinson's disease

**Yasuhiro Hiwatani**

Department of Neurology, Shingu Municipal medical Center

- O-16-4** Characteristics of long-term clinical course of Perry syndrome  
Akihiro Watanabe  
National Hospital Organization, Omuta National Hospital
- O-16-5** Relationship between motor symptoms and dopaminergic terminal loss in Parkinsonian disorders  
Maya Tojima  
Department of Neurology, Tokyo Metropolitan Neurological Hospital
- O-16-6** Relationship between aspiration and impaired cough reflex in parkinsonism  
Toshiyuki Yamamoto  
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry

**O-17 Oral Session****Jp**

May 24 (Thu) 9:45 ~ 11:15

Room6 (Sapporo Geibunkan [Gyokuyou] 3F)

**Neuroimmunology (MS and NMO1)**

Chair : Ichiro Nakashima

Department of Neurology, Tohoku Medical and Pharmaceutical University

- O-17-1** Progressive multifocal leukoencephalopathy in a fingolimod-treated multiple sclerosis patient  
Masahiro Mori  
Department of Neurology, Graduate School of Medicine, Chiba University
- O-17-2** The regulatory role of PD-1<sup>+</sup> CD8<sup>+</sup> cells in Multiple Sclerosis  
Shusuke Koto  
Division of Neurology, Kobe University Graduate School of Medicine
- O-17-3** T cell receptor repertoire in multiple sclerosis patients  
Fumie Hayashi  
Kyushu University
- O-17-4** Dimethyl fumarate treatment initiation without treatment free interval in 256 Japanese MS patients  
Takahiko Saida  
Kansai Multiple Sclerosis Center / Irino Clinic / Kyoto Neurology Clinic
- O-17-5** Cerebrospinal fluid mitochondrial DNA elicits innate immune response in NMO spectrum disorder  
Kazuya Yamashita  
Department of Neurology, Osaka University
- O-17-6** Comprehensive CSF cytokine profile of optic neuritis with MOG-antibody  
Hideki Nakajima  
Department of Neurology and strokeology, Nagasaki University Hospital / Department of Immunology, Juntendo University, School of Medicine

## Medical care and others

Chair : Toshiki Uchihara

Department of Neurology, Nitobe-Memorial Nakano General Hospital /  
Department of Neurology and Neurological Science, Tokyo Medical and  
Dental University

- O-18-1** Autopsy for home-cared patients with neurological diseases:  
How to improve home care medicine?

Toshiki Uchihara

Tokyo Metropolitan Institute of Medical Science / Nitobe Memorial Nakano General Hospital

- O-18-2** End-of-life care and the cause of death in advanced neurodegenerative diseases

Hiroyuki Kato

Neurology, International University of Health and Welfare Hospital

- O-18-3** In-hospital experiments for alert transmission of mechanical ventilators

Akinori Nakamura

Department of Neurology, National Hospital Organization, Matsumoto Medical Center

- O-18-4** Pediatric-to-adult health care transitions for young adults with health care needs

Yoko Mochizuki

Department of Neurology, Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled

- O-18-5** CSF progranulin is a biomarker for screening CNS lymphoma and carcinomatous meningitis

Akio Kimura

Department of Neurology and Geriatrics, Gifu University Graduate School of Medicine

- O-18-6** Clinical analysis of 13 patients with cavernous sinus syndrome

Maho Usuda

Department of Medicine (Neurology and Rheumatology) Shinshu Univ. School of Medicine

## Cerebrovascular disease (Clinical research 1)

Chair : Kazumi Kimura

Nippon Medical School

Commentator : Ken Uchino

Cerebrovascular Center, Cleveland Clinic, USA

- O-19-1** Association between primary cerebellar hemorrhage and cerebral amyloid angiopathy

Yuko Wada

Department of Stroke Medicine, Kawasaki Medical School / Department of Neurology,  
Rakuwakai Otowa Hospital

**O-19-2** An involvement of blood pressure variability on small cerebral vessel disease in atrial fibrillation

**Tsukasa Saito**

Internal medicine cardiovascular, respiratory and neurology division, Asahikawa Medical University / Physical Medicine and Rehabilitation, Asahikawa Medical University Hospital

**O-19-3** Small bleeding but poor prognosis: role of Cnm-positive Streptococcus mutans in cerebral hemorrhage

**Hiroyuki Ishiyama**

Department of Neurology, National Cerebral and Cardiovascular Center, Suita, Japan

**O-19-4** High baPWV is associated with cognitive decline in lacunar infarction patients

**Masahiro Nakamori**

Department of Neurology, Saiseikai Kajikawa Hospital

**O-19-5** The frequency of mutations in NOTCH3 or HTRA1 gene among Japanese CSVD patients

**Hiroaki Nozaki**

Graduate School of Health Sciences, Niigata University

**O-19-6** Nationwide survey on cerebral amyloid angiopathy in Japan

**Kenji Sakai**

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

**O-20 Oral Session**

**En**

May 24 (Thu) 9 : 45 ~ 11 : 15

Room9 (Royton Sapporo [Regent Hall] 2F)

**Neuroinfection (CJD and encephalitis)**

Chair : **Masahito Yamada**

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

Commentator : **Josep Dalmau**

ICREA, University of Barcelona and University of Pennsylvania, USA

**O-20-1** Clinical significance of PSDs learned from Nation-wide Creutzfeldt Jakob Disease Surveillance

**Yoshiyuki Kuroiwa**

Department of Neurology, Teikyo University Mizonokuchi Hospital

**O-20-2** Host cell-specific TDP-43 proteinopathy and aggresomes by Theiler's murine encephalomyelitis virus

**Katsuhisa Masaki**

Department of Neurology, University of Chicago Medical Center

**O-20-3** Long-term outcome of anti-NMDA receptor encephalitis in Japan

**Hideto Nakajima**

Neurology, Osaka Medical College

**O-20-4** Proposing diagnostic criteria for MM2-cortical type sporadic Creutzfeldt-Jakob disease  
**Tsuyoshi Hamaguchi**  
 Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Science

**O-20-5** Inhibition of survival gene ABL1 dramatically decreases HTLV-1 infected CD4<sup>+</sup>T cells in HAM/TSP

**Daisuke Kodama**  
 Division of Molecular Pathology, Center for Chronic Virus Diseases, Kagoshima University

**O-20-6** Cerebrospinal fluid polymorphonuclear lymphocytes in diagnosis of CNS inflammation

**Hiroshi Kuroda**  
 Department of Neurology, Tohoku University Graduate School of Medicine

## O-21 Oral Session

En

May 24 (Thu) 9:45 ~ 11:15

Room10 (Royton Sapporo [Highness Hall] 2F)

### Peripheral neuropathy/Metabolic disorders

Chair : **Sonoko Misawa**  
 Department of Neurology, Chiba University Graduate School of Medicine

Commentator : **Yoshiyuki Mitsui**  
 Department of Neurology, Kindai University Faculty of Medicine

**O-21-1** Effects of chronic arsenic toxicity on nervous system in Toroku, Miyazaki

**Hitoshi Mochizuki**  
 Department of Neurology, University of Miyazaki / Division of Neurology, Respiriology, Endocrinology and Metabolism, Department of Internal Medicine, University of Miyazaki

**O-21-2** Involvement of VEGF signal in blood-nerve barrier disruption of CIDP

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

**O-21-3** Efficacy and Safety of Thalidomide as the First Line Therapy in POEMS syndrome

**Tomoki Suichi**  
 Department of Neurology, Graduate School of Medicine, Chiba University

**O-21-4** Utility of Ca<sup>2+</sup>-dependent anti-GQ1b antibody in Fisher syndrome and related disorder in our hospital

**Taishi Wada**  
 Department of Neurology and Anti-aging Medicine, National Defense Medical College

**O-21-5** Diagnostic values of the criteria for anti-neurofascin 155 antibody-associated neuropathy

**Hidenori Ogata**  
 Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University

O-21-6 Guillain-Barré syndrome and related diseases after influenza virus infection

Masaki Yamana

Department of Neurology, Kindai University Faculty of Medicine

O-22 Oral Session

En

May 24 (Thu) 9:45 ~ 11:15

Room11 (Royton Sapporo [Crystal Room A] 2F)

Neuromuscular junction disorders and myopathy

Chair : Hiroyuki Murai

International University of Health and Welfare

Commentator : James F. Howard, Jr

The University of North Carolina at Chapel Hill, USA

O-22-1 CXCR5<sup>+</sup>Th phenotype in MG

Shinji Ashida

Department of Neurology, Kyoto Prefectural University of Medicine

O-22-2 Clinical characteristics of myasthenic crisis --- which patients are prone to and how we prevent it?

Hidehiro Shibayama

Division of Neurology, Kameda Medical Center

O-22-3 EMT is a common mechanism reprogramming Schwann cells in both M. leprae infection and nerve injury

Toshihiro Masaki

Teikyo University of Science

O-22-4 Expression of transient receptor potential channel and related protein in a cardiotoxin injury model

Kenya Murata

Center for Educational Research and Development, Wakayama Medical University / Department of Neurology, Wakayama Medical University

O-22-5 Involvement of ER Stress and correlation with inflammatory changes in patients with dysferlinopathy

Suqin Jin

Neurology Department, Peking University First Hospital, China

O-22-6 Clinical follow up of anti signal recognition particle antibodies myopathy

Yawen Zhao

Peking university first hospital, China



**Neuropathology (Neurodegeneration)**

Chair : Mari Yoshida

Institute for Medical Science of Aging, Aichi Medical University

Commentator : Shigeo Murayama

Department of Neurology &amp; Neuropathology (the Brain Bank for Aging Research) Tokyo Metropolitan Geriatric Hospital &amp; Institute of Gerontology

**O-23-1 Early pathological features in Fingolimod-associated PML with mild IRIS**

Shuhei Nishiyama

Department of Neurology, Tohoku University

**O-23-2 Clinical progression of Creutzfeldt-Jakob disease and its relation to cerebral cortical pathology**

Yasushi Iwasaki

Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University

**O-23-3 Protective effect of PD-1 during inflammatory JC virus infection of the central nervous system**

Nobuo Sanjo

Tokyo Medical and Dental University Graduate School of Medical and Dental Sciences

**O-23-4 3-dimensional surface reconstruction from 2-dimensional images. Application to human autopsied brain**

Hiroshi Shintaku

Laboratory of Structural Neuropathology, Tokyo Metropolitan Institute of Medical Science / Dept. of neurology and neurological science, Tokyo Medical and Dental University

**O-23-5 Morphological features of neuronal and glial tau pathology in GGT (Types II and III)**

Hidetomo Tanaka

Department of Pathology, Brain Research Institute, Niigata University

**O-23-6 Colocalization of TDP-43 and  $\alpha$ -synuclein pathology in oligodendrocytes in multiple system atrophy**

Shunsuke Koga

Department of Neuroscience, Mayo Clinic

**O-24 Oral Session****Jp**

May 24 (Thu) 9:45 ~ 11:15

Room13 (Royton Sapporo [Crystal Room C] 2F)

**Neuroimmunology (Biomarker)**

Chair : Tomihiro Imai

Sapporo Medical University School of Health Sciences

**O-24-1 Examination of predictive factors for immunotherapy resistance in generalized Myasthenia Gravis**

Yukiko Ozawa

Department of Neurology, Graduate School of Medicine, Chiba University

**O-24-2 Expression of the PD-L1 in skeletal muscle of myasthenia gravis**

Kazuo Iwasa

Department of Neurology and Neurobiology of Aging, Kanazawa University

**O-24-3 Usefulness of proton MRS in differentiating tumefactive demyelinating lesions from gliomas**

Ryotaro Ikeguchi

Department of Neurology, Tokyo Women's Medical University

**O-24-4 Association between delayed treatment and clinically relevant brain atrophy in multiple sclerosis**

Hiroaki Yokote

Department of Neurology, Nitobe Memorial Nakano General Hospital

**O-24-5 Mechanism of Interferon nonresponsiveness in Multiple sclerosis patients with high serum Sema4A**

Akiko Namba

Department of Neurology, Osaka University Graduate School of Medicine

**O-24-6 Progression of the Expanded Disability Status Scale in neuromyelitis optica associated disorders**

Ryohei Ohtani

Department of Neurology, Graduate School of Medicine, Chiba University

**O-25 Oral Session****Jp**

May 24 (Thu) 9:45 ~ 11:15

Room14 (Royton Sapporo [Pearl Hall AB] 20F)

**Neuroimmunology (Autoimmune encephalitis)**

Chair : Osamu Watanabe

Division of Neurology, Kagoshima City Hospital

**O-25-1 Anti-triose phosphate isomerase antibody and cerebellar ataxia, therapeutic reactivity**

Ayumi Uchibori

Department of Neurology, Kyorin University

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- O-25-2** National Epidemiological Survey of Autoimmune Encephalitis in Japan: Protocol for the Two Step Survey  
**Mariko Oishi**  
Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine
- 
- O-25-3** Clinical features of autonomic neuropathy in autoimmune encephalitis  
**Makoto Yamakawa**  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University
- 
- O-25-4** Clinical investigations of 4 duplicated cases of anti-NMDAR ab and anti-MOG ab or anti-AQP4 ab  
**Juntaro Kaneko**  
Department of Neurology, Kitasato University School of Medicine
- 
- O-25-5** Clinical features and treatment of anti-gAChR antibody positive patients with central nerve disorder  
**Ryusei Nagata**  
Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences
- 
- O-25-6** Analysis of clinical images of adolescent patients with positive for anti gACh receptor antibodies  
**Mari Watari**  
Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan

**Parkinsonism and Related disorders (Imaging 2)**

Chair : Kazushi Takahashi

Department of Neurology, Saitama Medical University

**O-26-1** Utility of the combination of ioflupane SPECT and MIBG myocardial scintigraphy in diagnosing PD

Hiroaki Murata

Department of Neurology, University of Yamanashi

**O-26-2** Olfactory dysfunction is related to the reduced accumulation of DAT-SPECT in Parkinson's disease

Atsuo Nakahara

Department of Neurology, Daisan Hospital, The Jikei University School of Medicine

**O-26-3** Differentiating parkinsonian syndromes using clinical brain SPECT

Shigetoshi Takaya

Senri Rehabilitation Hospital / Department of Neurology, Kyoto University Graduate School of Medicine / Human Brain Research Center, Kyoto University Graduate School of Medicine

**O-26-4** Amyloid imaging in Parkinson's disease patients with MCI involving olfactory dysfunction

Toshikazu Mino

Department of Neurology, Osaka City University Graduate School of Medicine

**O-26-5** Study of the levodopa plasma concentration in Levodopa Carbidopa intestinal gel treatment

Hayato Yabe

Department of Neurology, Saiseikai Matsuyama Hospital

**O-26-6** Neuromelanin-related contrast in the substantia nigra decreased in generalized dystonia

Jun Ikezawa

Department of Neurology, Tokyo Metropolitan Neurological Hospital / Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine

**Cerebrovascular disease (Clinical research 2)**

Chair : Shuhei Yamaguchi

Department of Internal Medicine III, Faculty of Medicine, Shimane University

- 
- O-27-1**    **Ischemic stroke during antithrombotic therapy**  
Takehiro Yamada  
Department of Neurology, Kyoto Second Red Cross Hospital, Kyoto, Japan
- 
- O-27-2**    **Characteristics of acute hemorrhagic or ischemic stroke in patients receiving DOAC**  
Hisanao Akiyama  
Department of Neurology, St. Marianna University School of Medicine
- 
- O-27-3**    **Ipsilateral crural monoparesis caused by lateral medullary infarction**  
Keiko Takahashi  
Department of Neurology, Tokyo Metropolitan Health and Medical Corporation Toshima Hospital
- 
- O-27-4**    **Ipsilesional limb hypesthesia in lateral medullary infarction**  
Noriko Nara  
Department of neurology, Yokohama Brain and Spine Center
- 
- O-27-5**    **Obstructive factors of reperfusion therapy for in-patient stroke**  
Mizuki Ayano  
Department of Stroke Center, Kyorin University / Department of Neurology, Kyorin University
- 
- O-27-6**    **Trends in antiplatelet therapy for Moyamoya disease: experienced versus less-experienced facilities**  
Koichi Oki  
Department of Neurology, Keio University School of Medicine

## Cerebrovascular disease (Clinical research 3)

Chair : Akira Tsujino

Nagasaki University Hospital, Department of Neurology and Strokeology

- O-28-1 Cholesterol crystals in embolic debris correlate postoperative embolism in carotid artery stenting

Kota Maekawa

Department of Neuroendovascular therapy, Stroke center, Ise Red Cross Hospital

- O-28-2 To evaluate the optimal timing of CAS for patients with symptomatic internal carotid artery stenosis

Takenobu Kunieda

Department of Neurology, Kansai Medical University, Osaka, Japan

- O-28-3 Plasma BNP should be a predictor of 3-month mortality after non-cardioembolic stroke

Masafumi Arakawa

Department of Neurological Science, Graduate School of Medicine, Nippon Medical School

- O-28-4 Early neurological deterioration after thrombolysis in patients with acute ischemic stroke

Koji Tanaka

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

- O-28-5 Biomarkers of cardiac dysfunction and embolic stroke of undetermined source

Yohei Tateishi

Department of Neurology and Strokeology, Nagasaki University Hospital

- O-28-6 Associated with paroxysmal atrial fibrillation and levels of BNP in acute ischemic stroke patients

Satoshi Kubo

Department of Stroke Medicine, Kawasaki Medical School

## Neuroinfection (Clinical research)

Chair : Akihiko Morita

Division of Neurology, Department of Medicine, Nihon University School of Medicine

- O-29-1 Features of acute encephalitis/encephalopathy with high intensity area in brain MRI-DWI/FLAIR

Atsushi Yamamoto

Kyoto First Red Cross Hospital, Department of Neurology and Stroke Treatment

- O-29-2** Jarisch-Herxheimer reaction in patients with neurosyphilis : A case series and literature Review  
Kota Kikuchi  
Department of Neurology, Teikyo University School of Medicine
- O-29-3** Clinical research of laryngeal stridor due to Fatal Familial Insomnia  
Takuya Fukuoka  
Saitama Medical University Department of Neurology
- O-29-4** Clinical Experience of Tick-Borne Encephalitis  
Masakazu Nakamura  
Department of Neurology, Hokkaido Medical Center
- O-29-5** the evaluation of immunological therapy to autoimmune post-herpes simplex encephalitis  
Naoya Mimura  
kobe city medical center general hospital
- O-29-6** PML Registration and Investigation System in Japan  
Yoshiharu Miura  
Tokyo Metropolitan Komagome hospital, Department of Neurology

**O-30 Oral Session****Jp**

May 25 (Fri) 9 : 45 ~ 11 : 15

Room6 (Sapporo Geibunkan [Gyokuyou] 3F)

**Neurophysiology (Clinical research)**

Chair : Haruki Koike

Department of Neurology, Nagoya University Graduate School of Medicine

- O-30-1** Excitability of the distal nerve terminal in Chronic inflammatory demyelinating polyneuropathy  
Hiroshi Amino  
Department of Neurology, Graduate School of Medicine, Chiba University
- O-30-2** Length-dependent truncal small-fiber neuropathy in patients with ATTR-FAP  
Minori Kodaira  
Department of Medicine (Neurology and Rheumatology), Shinshu University
- O-30-3** Increased persistent sodium current estimated by latent additon and rapid regional spreading in ALS  
Kazuaki Kanai  
Department of Neurology, School of Medicine, Juntendo University
- O-30-4** Change of axonal ion current is associated with disease progression in patients with ALS  
Tomoko Nakazato  
Department of neurology, Juntendo university school of medicine

O-30-5 A Study in 208 consecutive idiopathic REM sleep behavior disorder patients

Mutsumi Okura

Sleep Medical Center, Osaka Kaisei Hospital

O-30-6 Excessive tonic inhibition of superior colliculus in Tourette syndrome suggested by saccade profiles

Yusuke Sugiyama

Neurology, University of Tokyo / Segawa Memorial Neurological Clinic for Children

**O-31 Oral Session**

**Jp**

May 25 (Fri) 9:45 ~ 11:15

Room7 (Royton Sapporo [Castle] 1F)

**Peripheral neuropathy/Metabolic disorders (Clinical research)**

Chair : Taro Yamashita

Project for Neurological Intractable Disease, Department of Neurology,  
Kumamoto University Hospital

O-31-1 Existing CTS grading scales do not cover patients with normal sensory and abnormal motor conduction

Yosuke Miyaji

Department of Neurology, Teikyo University School of Medicine / Department of Neurology  
and Stroke Medicine, Yokohama City University Graduate School of Medicine

O-31-2 White matter lesion in patient with cutaneous arteritis

Kenji Isahaya

Department of Neurology, St.Marianna University School of Medicine

O-31-3 Electrophysiological pitfalls in patients with ATTR-FAP misdiagnosed as CIDP

Nobuhiko Ohashi

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

O-31-4 Rapid detection of mutated transthyretin using direct MALDI-TOF MS

Toshiya Nomura

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

O-31-5 Is liver transplantation effective for non-V30M hereditary transthyretin amyloidosis ?

Taro Yamashita

Department of Neurology, Graduate School of Medical Sciences, Kumamoto University /  
Organization Project of Practice System for Neurological Intractable Disease, Kumamoto  
University Hospital

O-31-6 A transgenic *Caenorhabditis elegans* expressing transthyretin as a model in transthyretin amyloidosis

Yukimoto Tsuda

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



## Epilepsy

Chair : Yoshikazu Ugawa  
 Department of Neuro-regeneration, Fukushima Medical University / Fukushima  
 Brain Disease Center

Commentator : Kiyohito Terada  
 Department of Neurology, NHO Shizuoka Institute of Epilepsy and  
 Neurological Disorders

**O-32-1** Ictal direct current shifts can be intracranially recorded even with  
 time constant 2 seconds

Shunsuke Kajikawa

Department of Neurology, Kyoto University Graduate School of Medicine

**O-32-2** EEG Pattern in Lance-Adams Syndrome Versus Myoclonic Status  
 Epilepticus using Simplified aEEG

Gemmalynn B. Sarapuddin

Osaka Mishima Emergency Critical Care Center, Japan

**O-32-3** Pathophysiological analysis of DRPLA transgenic mice that present  
 progressive myoclonic epilepsy

Tomoko Toyota

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

**O-32-4** Very small dose of perampanel improved refractory cortical  
 myoclonus

Kazuki Oi

Department of Neurology, Kyoto University Graduate School of Medicine

**O-32-5** Electrographic-based non-primary motor area mapping  
 comparable with cortical stimulation

Shuichiro Neshige

Department of Neurology, Graduate school of Medicine, Kyoto University / Department of  
 Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical  
 and Health Sciences

**O-32-6** Compensation of semantic memory after dominant anterior temporal  
 lobe resection in epilepsy surgery

Makiko Ota

Dept. of neurology, Kyoto Univ. Grad. Sch. of Med.

**Parkinsonism and Related disorders (Biomarkers)**

Chair : Hideki Mochizuki

Department of Neurology, Osaka University Graduate School of Medicine

Commentator : Ronald Melki

Centre National de la Recherche Scientifique (CNRS), France

**O-33-1 Serum polyamine metabolic changes in neurodegenerative diseases**

Shinji Saiki

Department of Neurology, Juntendo University

**O-33-2 Withdrawn****O-33-3 Altered regulation of serum lysosomal hydrolase activity in Parkinson's disease**

Yoshiki Niimi

Department of Neurology, Fujita Health University School of Medicine

**O-33-4 ASSOCIATION BETWEEN PARK2 AND DIABETES AND RELATED PATHOLOGIES**

Hiroto Eguchi

Juntendo University Nerima Hospital Department of Neurology, Juntendo University School of Medicine

**O-33-5 A dopaminergic phenotype with alpha-synuclein accumulation in the A53T-SNCA-BAC transgenic rat**

Maiko Uemura

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

**O-33-6 Development of a new biomarker for Parkinson disease by measuring alpha-synuclein fibril in CSF**

Keita Kakuda

Department of Neurology, Osaka University

**Neurogenetics/ Gene therapy (Basic research)**

Chair : Takanori Yokota

Department of Neurology and Neurological Science, Tokyo Medical and Dental University

Commentator : Hitoshi Okazawa

Department of Neuropathology, Medical Research Institute, Tokyo Medical and Dental University

**O-34-1** The inhibitory core of the myostatin prodomain has potential to treat muscle atrophy

Yutaka Ohsawa

Neurology, Kawasaki Medical School

**O-34-2** Development of blood-brain barrier-crossing amyloid-beta oligomer antibody

Takanori Yokota

Department of Neurology and Neurological Science, Tokyo Medical and Dental University

**O-34-3** BBB-crossing delivery mechanism of glucosylated nanocarrier by glycemic control

Hiroya Kuwahara

Department of Neurology and Neurological Science, Tokyo Medical and Dental University

**O-34-4** Excision of myotonic dystrophy CTG repeat by CRISPR/Cas9 double nicking

Fumiaki Saito

Department of Neurology, Teikyo University

**O-34-5** A new class of double-stranded oligonucleotide enhances in vivo potency of microRNA silencing

Kotaro Yoshioka

Department of Neurology and Neurological Science, Tokyo Medical and Dental University

**O-34-6** Withdrawn**Dementia (Imaging)**

Chair : Mikio Shoji

Department of Neurology, Hiroasaki University Graduate School of Medicine

Commentator : Thierry Bussi ere

Alzheimer &amp; Dementia Research Unit, Biogen, USA

**O-35-1** DTI study of white matter reveals the structural and functional connectome changes in AD

Siwei Chen

Peking University First Hospital, China

O-35-2 Transient focal neurological episodes in AD cases presenting cortical superficial siderosis

Masaki Ikeda

Department of Neurology, Gunma University Graduate School of Medicine

O-35-3 Toxic Abeta conformer and tau in CSF obtained from the cases of AD dementia, a preliminary study

Yasushi Tomidokoro

University of Tsukuba- Faculty of Medicine, Dept. of Neurology

O-35-4 GWAS-Linked Loci and Neuroimaging Measures in Alzheimer's Disease

Jie-qiong Li

Department of Neurology, Qingdao Municipal Hospital, Qingdao University, Qingdao, China., China

O-35-5 Reduced mitochondrial activity in the living brain of early-stage Alzheimer's disease

Tatsuhiko Terada

Department of Neurology, Shizuoka Institute of Epilepsy and Neurological Disorders / Department of Biofunctional Imaging, Preeminent Medical Photonics Education & Research Center, Institute for Medical Photonics Research, Hamamatsu University School of Medicine

O-35-6 Accumulation of advanced glycation endproducts (AGEs) and risk of mild cognitive impairment (MCI)

Yasumasa Ohyagi

Department of Neurology and Geriatric Medicine, Graduate School of Medicine, Ehime University

## O-36 Oral Session

En

May 25 (Fri) 9:45 ~ 11:15

Room12 (Royton Sapporo [Crystal Room B] 2F)

### Neuroscience 1

Chair : Koji Yamanaka

Research Institute of Environmental Medicine, Nagoya University

Commentator : Per Borghammer

Dep. of Nuclear Medicine & PET Centre, Aarhus University Hospital, Denmark

O-36-1 Misfolding and Accumulation of Endogenous Alpha-Synuclein in Primary Oligodendrocyte Precursor Cells

Seiji Kaji

Kyoto University Graduate School of Medicine, Dept of Neurology

O-36-2 Parkin has alternative dual functions, E3 ligase and redox molecule, and a unique recycling system

Tohru Kitada

Otawa-Kagaku

**O-36-3** TDP-43 regulates early-phase insulin secretion via Cav1.2-mediated exocytosis in islet cells

**Kunihiko Araki**

Department of Neurology, Nagoya University Graduate School of Medicine

**O-36-4** Autophagy regulates synuclein homeostasis and contributes Lewy Body formation

**Shigeto Sato**

Department of Neurology, Juntendo University Graduate School of Medicine

**O-36-5** ALS8 protein, VAP, maintains nuclear protein homeostasis via ER-nuclear interaction

**Hiroshi Tsuda**

Montreal Neurological Institute, McGill University / Department of Neurology, Graduate school of Osaka University

**O-36-6** Tau-related dysfunction of BRCA1 lead to reduced neuronal plasticity in Alzheimer's disease

**Tatsuo Mano**

Department of Neurology, Graduate School of Medicine, The University of Tokyo

## O-37 Oral Session

En

May 25 (Fri) 9 : 45 ~ 11 : 15

Room13 (Royton Sapporo [Crystal Room C] 2F)

### Neuroimmunology (MS and NMO2)

Chair : Izumi Kawachi

Department of Neurology, Brain Research Institute, Niigata University

Commentator : Marco Prinz

University Freiburg, Institute of Neuropathology, Germany

**O-37-1** Brief International Cognitive Assessment for Multiple Sclerosis (BICAMS) in Japanese population

**Masaaki Niino**

Department of Clinical Research, Hokkaido Medical Center

**O-37-2** Optimal management of neuromyelitis optica spectrum disorders by oral prednisolone monotherapy

**Yoshiki Takai**

Department of Neurology, Tohoku University Graduate School of Medicine

**O-37-3** Oligodendroglia-specific connexin47 deletion produces a relapse-remitting multiple sclerosis model

**Ryo Yamasaki**

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

**O-37-4** A longitudinal study of cognitive function in the CNS autoimmune disorders

**Takahiro Wakasugi**

Department of Neurology, Brain Research Institute, Niigata University

O-37-5 Gut microbiota and their metabolites affect cuprizone-induced demyelination

Daisuke Noto

Department of Immunology, Juntendo University School of Medicine

O-37-6 Blood-brain barrier-activation induced by immunoglobulin G in neuromyelitis optica spectrum disorder

Fumitaka Shimizu

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

O-38 Oral Session

Jp

May 25 (Fri) 9:45 ~ 11:15

Room14 (Royton Sapporo [Pearl Hall AB] 20F)

Neurorehabilitation

Chair : Ichiro Miyai

Neurorehabilitation research institute, Morinomiya hospital

O-38-1 Evaluation of motor learning skills of SCD using gait analysis after rehabilitation with HAL®

Asa Takei

Hokuyukai neurological hospital

O-38-2 The Efficacy and Safety of Gait Training with Robot Suit HAL® in Nervous and Muscle Disorders

Rina Hashimoto

Department of Neurology, National Hospital Organization, Higashinagoya National Hospital

O-38-3 Efficacy of Hybrid Assistive Limb therapy for acute stroke in the different treatment frequency

Keiji Yamaguchi

Department of Neurology, Ichinomiya Nishi Hospital, Japan

O-38-4 Effects of rTMS in chronic stroke patients and cortical activation changes in multiple motor areas

Satoshi Katai

Department of Neurology, Kekeyu Hospital, Kekeyu-Misayama Rehabilitation Center

O-38-5 Assessment of the post-stroke aphasia with the EEG phase synchrony

Teiji Kawano

Neurorehabilitation Research Institute, Morinomiya Hospital, Osaka, Japan / Rhythm-based Brain Information Processing Unit, RIKEN BSI-Toyota Collaboration Center, Riken Brain Science Institute, Saitama, Japan

O-38-6 Cerebellar structural neuroplasticity underlying recovery after stroke

Takashi Hanakawa

Department of Advanced Neuroimaging, National Center of Neurology and Psychiatry

**Neuropathology (Peripheral nerves)**

Chair : Renpei Sengoku

Departments of Neurology and Neuropathology, Tokyo Metropolitan Geriatric  
Hospital and Institute of Gerontology**O-39-1** High expression of tyrosine hydroxylase associated with Lewy body formation in PLAN

Hisae Sumi-akamaru

Department of Clinical Laboratory, Higashi-Osaka Medical Center / Department of Neurology,  
Graduate School of Medicine, Osaka University**O-39-2** Background pathology of 'corticobasal degeneration (CBD) mimics'  
-Japanese validation study of CBD-

Takayoshi Shimohata

Dpt. of Neurology and Geriatrics, Gifu University Graduate School of Medicine

**O-39-3** Clinicopathological characterizations of iatrogenic transthyretin amyloidosis after DLT (2nd report)

Tsuneaki Yoshinaga

Department of Neurology and Rheumatology, Shinshu University Hospital

**O-39-4** The progression of demyelination in Guillain-Barré syndrome and CIDP: an ultrastructural study

Haruki Koike

Department of Neurology, Nagoya University Graduate School of Medicine

**O-39-5** CLINICOPATHOLOGICAL FEATURES OF CIDP SUBTYPES

Shohei Ikeda

Department of Neurology, Nagoya University Graduate School of Medicine

**O-39-6** Clinicopathological features of eosinophilic granulomatosis with polyangiitis with and without ANCA

Ryoji Nishi

Department of Neurology, Nagoya University Graduate School of Medicine

**Neuroradiology (Cerebrovascular disease)**

Chair : Aya M. Tokumaru

Dept of Diagnostic Radiology, Tokyo Metropolitan Medical Center of Gerontology

- O-40-1 The influence of different MRI sequences with the frequency of CMBs in patients with CLAD

Kanakano Nose

Department of Neurology, Fukuoka University

- O-40-2 Evaluation of hyperintense vessel on MRI FLAIR images in carotid artery stenting

Syouhei Miyamoto

Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Tokyo, Japan

- O-40-3 Symptoms And Image Analysis In Brain Infarction After Cardiac Surgery

Tomoaki Ikeda

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

- O-40-4 The Necessity of search of Cerebral Amyloid Angiopathy in Cryptogenic Stroke of young adult

Masanori Nakajima

Department of Neurology, Kyorin University

- O-40-5 Diffusion Weighted Images and Susceptibility Weighted Images in Intravascular Lymphoma

Haruo Yamanaka

Tenri hospital

- O-40-6 THK5351 PET findings of healthy subjects

Takamasa Yokoi

Department of Neurology, Nagoya University

**Cerebellar ataxia and others (Clinical research)**

Chair : Kunihiro Yoshida

Division of Neurogenetics, Department of Brain Disease Research, Shinshu University School of Medicine

- O-41-1 Imaging analysis of cerebellar signal intensity with proton density weighted image in MSA-C patients

Akinori Yamaguchi

Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital



**O-41-2** Atrophy of brain structures and neuropsychological examination in spinocerebellar degeneration

**Futaba Maki**

Department of Internal Medicine, Division of Neurology, St. Marianna University School of Medicine

**O-41-3** Gait score and Voxel-Based Morphometry analysis in Multiple System Atrophy, cerebellar variant

**Takeshi Taguchi**

Tokyo Medical University, department of Neurology

**O-41-4** Can we use the term Shy-Drager syndrome?

**Jinichi Nunomura**

Department of Neurology, Aomori Prefectural Central Hospital

**O-41-5** Clinical characteristics of family with DNMT1 mutation

**Noriyuki Miyaue**

Department of Neurology and Clinical Pharmacology, Ehime University Graduate School of Medicine

**O-41-6** Pathophysiological analyses of the IBGC patients with SLC20A2 mutations

**Isao Hozumi**

Medical Therapeutics and Molecular Therapeutics, Gifu Pharmaceutical University / Department of Neurology, Gifu University Hospital

**O-42 Oral Session**

**Jp**

May 26 (Sat) 10 : 15 ~ 11 : 45

Room5 (Sapporo Geibunkan [Seiryu] 3F)

**Cerebrovascular disease (Clinical research 4)**

Chair : **Yasuhiro Hasegawa**

Department of Neurology, St. Marianna University School of Medicine

**O-42-1** findings of echocardiography by size and distribution in acute ischemic stroke patients with ESUS

**Kentaro Ishizuka**

Tokyo Women's Medical University

**O-42-2** Correlation of histopathology of thrombi with clinical features in patients received thrombectomy

**Masashi Hamanaka**

Department of Neurology and Stroke Treatment, Acute Stroke Center of Kyoto First Red Cross Hospital

**O-42-3** Elective percutaneous transluminal angioplasty for the symptomatic intracranial stenosis

**Keisuke Imai**

Department of Neurology and Stroke Treatment, Acute Stroke Center of Kyoto First Red Cross Hospital

O-42-4 High sensitive C-reactive protein and early neurological deterioration in non-cardioembolic stroke

Yuho Takeshi

Department of Neurological Science, Nippon Medical School

O-42-5 Recombinant tissue plasminogen activator therapy for acute ischemic stroke in older patients

Noriko Arai

Department of Neurology, Saitama Medical University International Medical Center

O-42-6 TCD with a transorbital approach is useful for predicting hyperperfusion syndrome after CAS

Yohei Tanaka

Tachikawa general hospital, Neurology

### O-43 Oral Session

Jp

May 26 (Sat) 10 : 15 ~ 11 : 45

Room6 (Sapporo Geibunkan [Gyokuyou] 3F)

#### Miscellaneous (Clinical research)

Chair : Takayuki Taniwaki

Department of Respiratory, Neurology and Rheumatology, Department of Medicine, Kurume University School of Medicine

O-43-1 Clinical study of leptomeningeal carcinomatosis

Masahiro Hayashi

Hiroshima City Hiroshima Citizens Hospital

O-43-2 A case of brainstem lymphoma with oculopalatal tremor and signal enhancement in the inferior olive

Sumito Sato

Department of Neurosurgery, Kitasato University School of Medicine

O-43-3 Autonomic dysfunctions in Chinese victims with chemical weapons abandoned by the Imperial Army

Osamu Isono

Department of Neurology, Kyoto Min-iren Daini Chuo Hospital

O-43-4 A retrospective analysis of 26 neurosarcoidosis patients

Akihiko Kudo

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University

O-43-5 Neurological significance of abdominal reflex(abdominal skin reflex)

Hirokazu Furuya

Department of Neurology, Kochi Medical School, Kochi University

O-43-6 Clinical characteristics and analysis of cerebral blood flow SPECT in Pellagra

Ryosuke Inagaki

TOYOTA Memorial Hospital, Neurology

**Parkinsonism and Related disorders (Imaging 3)**

Chair : Yasuyuki Okuma

Department of Neurology, Juntendo University Shizuoka Hospital

- O-44-1** Cerebellar network analysis of Parkinson's disease and multiple system atrophy using graph theory

Wataru Sako

Department of Neurology, Tokushima University Hospital

- O-44-2** White matter atrophy in occipital lobe in PD patients

Natsuko Yuki

Departments of Neurology, National Hospital Organization, Maizuru Medical Center

- O-44-3** Does dilated cerebral aqueduct characterize progressive supranuclear palsy?

Tomonari Seki

Department of Neurology, Tokyo Teishin Hospital

- O-44-4** Relationship between midbrain/pons area ratio on MRI and autonomic symptoms in Parkinson's disease

Takeo Matsubara

Department of Neurology, Dokkyo Medical University, Tochigi, Japan

- O-44-5** The causative factors for body fat loss in Parkinson's disease -Dysautonomia and Ghrelin secretion-

Kwiyoung Park

Department of Neurology and Clinical Research Center, Utano National Hospital

- O-44-6** Neural substrates of masked-face in Parkinson disease: A quantitative analysis of facial expression

Yuichi Higashiyama

Department of Neurology and Stroke Medicine, Yokohama City University

**Neurogenetics/ Gene therapy (Clinical research)**

Chair : Shin-ichi Muramatsu

Division of Neurology, Department of Medicine, Jichi Medical University

Commentator : Kinji Ohno

Neurogenetics, Nagoya University Graduate School of Medicine

- O-45-1** A familial case of PDE10A-associated childhood-onset chorea with bilateral striatal lesions

Satoko Miyatake

Clinical Genetics Department, Yokohama City University Hospital /Department of Human Genetics, Yokohama City University Graduate School of Medicine

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**O-45-2**    **Difference of genetically aggregated tissue specific networks between Japanese and Caucasian MS**

**Takuya Matsushita**

Department of Neurology, Graduate School of Medical Sciences, Kyushu University

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**O-45-3**    **Genotype-phenotype analysis of Japanese familial ALS pedigrees with *SOD1* mutations**

**Ayumi Nishiyama**

Department of Neurology, Tohoku University Graduate School of Medicine

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**O-45-4**    **Validation of genetic factors affecting survival in Japanese ALS patients**

**Ryoichi Nakamura**

Nagoya University

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**O-45-5**    **The pathological role of P413L variant chromogranin B in female amyotrophic lateral sclerosis**

**Yasuyuki Ohta**

Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Okayama, Japan / Research Centre of Institut universitaire en santé mentale de Québec, Québec, Canada

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**O-45-6**    **Parent-of-origin effects in Multiple Sclerosis**

**Noriko Isobe**

Department of Neurological Therapeutics, Graduate School of Medical Sciences, Kyushu University

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**O-46 Oral Session**

**En**

May 26 (Sat) 10 : 15 ~ 11 : 45

Room9 (Royton Sapporo [Regent Hall] 2F)

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**Neuroscience 2**

Chair : **Kenjiro Ono**

Department of Neurology, Showa University School of Medicine

Commentator : **Gunnar K. Gouras**

Experimental Dementia Research Unit, Lund University, Sweden

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**O-46-1**    **Regulation of TDP-43-mediated neurotoxicity by ribosome-related factors**

**Seiichi Nagano**

Department of Neurology, Osaka University Graduate School of Medicine / Department of PNS Research, National Institute of Neuroscience, NCNP

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**O-46-2**    **High-Speed Atomic Force Microscopy Reveals Structural Dynamics of Amyloid  $\beta$ 1-42 Aggregates (2)**

**Kenjiro Ono**

Department of Neurology, Showa University School of Medicine / Department of Neurology and Neurobiology and Aging, Kanazawa University Graduate School of Medical Science

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**O-46-3**    **Ghrelin improved dystonia/behavioral dysfunctions with an atypical form of Rett syndrome patient**

**Kenji Orimoto**

Department of General Medicine, Fureai Higashi-totsuka Hospital

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**O-46-4**    **SIP1 activation enhances leptomeningeal collateral development and improves outcome after stroke**

**Satoru Ishibashi**

Department of Neurology and Neurological Science, Tokyo Medical and Dental University

**O-46-5**    **Rho-kinase ROCK Inhibitor Decreases Oligomeric Tau Protein via Activation of Autophagy**

**Tadanori Hamano**

Second Department of Internal Medicine, University of Fukui / Department of Aging and Dementia, University of Fukui

**O-46-6**    **Substantial axonal degeneration has occurred before motor neuron loss in ALS models**

**Naoki Suzuki**

Department of Neurology, Tohoku University

**O-47 Oral Session**

**En**

May 26 (Sat) 10 : 15 ~ 11 : 45

Room10 (Royton Sapporo [Highness Hall] 2F)

**Motor Neuron Disease (Basic research)**

Chair : **Naoki Atsuta**

Department of Neurology, Nagoya University Hospital

Commentator : **John Ravits**

Department of Neurosciences, University of California, San Diego, USA

**O-47-1**    **Neuronal apoptosis inhibitory protein as a risk factor and a new diagnostic biomarker in ALS**

**Osamu Kano**

Department of Neurology, Toho University Faculty of Medicine

**O-47-2**    **Cytoplasmic aggregation involving RNA-binding proteins in spinal cord of ALS model rats**

**Hitoshi Warita**

Department of Neurology, Tohoku University Hospital

**O-47-3**    **ADAR2-mediated A-to-I sites in extracellular RNAs as a biomarker of amyotrophic lateral sclerosis**

**Takashi Hosaka**

Department of Neurology, Institute of clinical medicine, University of Tsukuba, Tsukuba, Ibaraki, Japan / Graduate School of Medicine, University of Tokyo, Bunkyo-ku, Tokyo, Japan

**O-47-4**    **CCR2-positive immune cells play protective roles in ALS model mice**

**Wataru Shiraishi**

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

**O-47-5**    **The verification of miRNA target genes as a biomarker for amyotrophic lateral sclerosis**

**Ikuko Takahashi**

Department of Neurology, Faculty of Medicine and Graduate School of Medicine, Hokkaido University

O-47-6 Characteristics of nerve size in ALS subtype using neuromuscular ultrasound

Jun Tsugawa

Brain and Mind Centre, Sydney Medical School, University of Sydney

O-48 Oral Session

En

May 26 (Sat) 10:15 ~ 11:45

Room13 (Royton Sapporo [Crystal Room C] 2F)

Dementia (Basic research)

Chair : Akira Tamaoka

Department of Neurology, Faculty of Medicine, University of Tsukuba

Commentator : Takahiko Tokuda

Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine

O-48-1 Detection of prodromal cognitive impairments with resting-state functional connectivity in elderly

Shuhei Yamaguchi

Department of Internal Medicine III, Faculty of Medicine, Shimane University

O-48-2 Effects of vitamin B12 on memory function and complexity of the cortical structure

Atsushi Kimura

Division of Neurology, Department of Medicine, Showa University School of Medicine

O-48-3 Generation of mutant presenilin 1 mice using a novel RNA-guided base editing technology

Hiroki Sasaguri

RIKEN Center for Brain Science / Department of Neurology and Neurological Science, Graduate School of Medicine, Tokyo Medical and Dental University

O-48-4 Silencing of FUS induces disruption of fiber tracts from the caudate nucleus in marmoset

Kuniyuki Endo

Dept. Neurology, Nagoya University Graduate School of Medicine

O-48-5 Brain Calcifications in Adult-onset Leukoencephalopathy with Axonal Spheroids and Pigmented Glia

Takuya Konno

Department of Neurology, Mayo Clinic / Department of Neurology, Brain Research Institute, Niigata University

O-48-6 Efficacy of regenerative associate cell injection in mice chronic cerebral ischemic dementia model

Ryoko Imazeki

Department of Physiology, School of Medicine, Tokai University

**Myopathy (Clinical research)**

Chair : Yukiko Hayashi

Pathophysiology, Tokyo Medical University

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- O-49-1**    **Clinical usefulness of histologic reclassification in idiopathic inflammatory myopathies**  
Saki Minoda  
Department of Neurology, Tenri Hospital
- 
- O-49-2**    **Outcome of patients with atypical clinical course but typical inclusion body myositis pathology**  
Hitomi Higa  
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry
- 
- O-49-3**    **Paraspinal muscle atrophy as a clinical feature of inclusion body myositis**  
Yusuke Sakiyama  
Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences
- 
- O-49-4**    **Hypoglycemia is often observed in myotonic dystrophy**  
Hiroto Takada  
Department of Neurology, Aomori National Hospital, National Hospital Organization
- 
- O-49-5**    **Utility of diaphragm ultrasound and phrenic nerve conduction study in myopathy**  
Yoshikatsu Noda  
Nakata Clinic / Division of Neurology, Kobe University Graduate School of Medicine
- 
- O-49-6**    **The exome analysis of disease-associated genes in the advanced stage of hereditary myopathies**  
Kenichiro Nakamura  
Department of Neurology, Nishibeppu National Hospital