

# **Oral Session**

**May 18 (Wed)**

## May 18 (Wed) Oral Session

Room3(Kobe International Exhibition Hall [Exhibition Hall B] Hall No.1 Building, 2nd Floor)

### Peripheral neuropathy/Autonomic disturbance 15:25~16:40

Chair: Hiroo Yoshikawa

(Division of Neurology, Department of Internal, Medicine,  
Hyogo College Medicine)

O-01-1 Clinical features of gAChR antibodies positive patients with autoimmune autonomic ganglionopathy

Speaker: Akihiro Mukaino

(Department of Clinical Neuroscience and Neurology, Graduate  
School of Biomedical Sciences, Nagasaki University)

O-01-2 Pathophysiology of neuropathic pain in POEMS syndrome using Pain-related evoked potentials

Speaker: Sagiri Ise

(Department of Neurology, National Hospital Organization  
Chiba-East Hospital)

O-01-3 Recapitulation of ML-induced reprogramming of Schwann cells by artificial methods

Speaker: Hidehiko Okuma

(Department of Neurology, Teikyo University School of  
Medicine)

O-01-4 Quantitative analysis of blood-nerve barriers in familial amyloid polyneuropathy

Speaker: Haruki Koike

(Department of Neurology, Nagoya University Graduate School  
of Medicine)

O-01-5 Study of neurodegeneration in TTR amyloidosis: a role of Schwann cell

Speaker: Tatsufumi Murakami

(Department of Neurology, Kawasaki Medical School)

Oral Session  
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Room4(Kobe International Exhibition Hall [Room 3A] Hall No.2 Building, 3rd Floor)

### MG 15:25~16:40

Chair: Keiko Tanaka

(Department of Neurology/Department of Life Science, Medical  
Research Institute, Kanazawa Medical University)

O-02-1 Modified criteria for the diagnosis of POEMS syndrome

Speaker: Sonoko Misawa

(Department of Neurology, Chiba University Graduate School of  
Medicine)

- O-02-2     Successful treatment of oral corticosteroids in 217 patients with myasthenia gravis  
 Speaker: Tomihiro Imai  
 (Department of Neurology, Sapporo Medical University Hospital)
- O-02-3     Extrathymic malignancy associated with myasthenia gravis and its relation with immunotherapy  
 Speaker: Hiroyuki Murai  
 (Department of Neurological Therapeutics, Kyushu University)
- O-02-4     Thymic abnormality in anti-MuSK and/or anti-LRP4 positive myasthenia gravis  
 Speaker: Hidenori Matsuo  
 (Nagasaki Kawatana Medical Center)
- O-02-5     Analysis of inflammatory cytokines in myasthenia gravis  
 Speaker: Akiyuki Uzawa  
 (Department of Neurology, Graduate School of Medicine, Chiba University)

Room5(Kobe International Exhibition Hall [Room 2A] Hall No.2 Building, 2nd Floor)

## Neuroscience 15:25~16:40



Chair: Ikuo Tooyama

(Molecular Neuroscience Research Center, Shiga University of Medical Science)

Commentator: Yukio Takeshita

(Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)

- O-03-1     A new in vitro blood-brain barrier (BBB) model incorporating tri-culturing system of BBB components  
 Speaker: Yukio Takeshita  
 (Department of Neurology and Clinical Neuroscience Yamaguchi University Graduate School of Medicine)

- O-03-2     Generation of ventral and dorsal telencephalic tissues from human embryonic stem cells  
 Speaker: Hideya Sakaguchi  
 (RIKEN Center for Developmental Biology, Laboratory for in vitro Histogenesis/RIKEN Center for Developmental Biology, Laboratory for Organogenesis and Neurogenesis/Kyoto University, Graduate School of Medicine)

- O-03-3     The role of  $\beta$ 1-integrin controlling neuronal migration in injured mouse brain  
 Speaker: Teppei Fujioka  
 (Department of Developmental and Regenerative Biology,  
 Nagoya City University Graduate School of Medical Sciences/  
 Department of Neurology and Neuroscience, Nagoya City  
 University Graduate School of Medical Sciences)
- O-03-4     Analysis of MSA patient iPSC-derived neural cells with COQ2 mutation  
 Speaker: Fumiko Nakamoto  
 (Department of Neurology, School of Medicine, University of  
 Tokyo/Department of Physiology, School of Medicine, Keio  
 University)
- O-03-5     Systematic Analysis of Fly Models Elucidates Sleep disturbance in Huntington's Disease  
 Speaker: Takuya Tamura  
 (Tokyo Medical and Dental University)

Room6 (Kobe International Exhibition Hall [Room 3B] Hall No.2 Building, 3rd Floor)

**PD (Clinical research 1)     15:25~16:40**



Chair: Toshimasa Yamamoto  
 (Department of Neurology, Saitama Medical University)

Commentator: Kenya Nishioka  
 (Department of Neurology, Juntendo University School of  
 Medicine)

- O-04-1     Identifying freezing of gait and falls in Parkinson's disease patients using a body-worn sensor  
 Speaker: Yasuyuki Okuma  
 (Department of Neurology, Juntendo University Shizuoka  
 Hospital)
- O-04-2     A study of relation between change of L-dopa response of gait ability and cognitive function in PD  
 Speaker: Hidemoto Saiki  
 (Department of Neurology, Kitano Hospital, The Tazuke  
 Kofukai Medical Research Institute)
- O-04-3     Acrocyanosis in Parkinson's disease correlates with diurnal fluctuation  
 Speaker: Shuro Kogawa  
 (Department of Internal Medicine, Kohka Public Hospital)
- O-04-4     Depression is associated with abnormal nocturnal blood pressure fall in de novo Parkinson's disease  
 Speaker: Hiromasa Matsuno  
 (Department of Neurology, Daisan Hospital, The Jikei  
 University School of Medicine/Department of Neurology, The  
 Jikei University School of Medicine)

- O-04-5 Autonomic function after STN-DBS in patients with Parkinson's disease (second report)  
 Speaker: Yoshitaka Yamanaka  
 (Department of Neurology, Chiba University School of Medicine  
 /Division of Rehabilitation, Chiba University Hospital)

**Room7 (Kobe Portopia Hotel [Kairaku 1] Main Building B1F)**

**Neuroimaging 15:25~16:40**

Chair: Takashi Hanakawa  
 (Department of Advanced Neuroimaging, IBIC, NCNP)

- O-05-1 Correlation of ALFF with FA in patients with amyotrophic lateral sclerosis  
 Speaker: Wataru Sako  
 (Department of Clinical Neurosciences, Institute of Biomedical Sciences, Tokushima University Graduate School)
- O-05-2 Tau imaging using [11C]PBB3 PET in 9 patients with fronto-temporal lobar degeneration  
 Speaker: Fumitoshi Niwa  
 (Molecular Neuroimaging Program, Molecular Imaging Center, National Institute of Radiological Sciences)
- O-05-3 [18F]THK5351 PET imaging of patients of Alzheimer type dementia and normal controls  
 Speaker: Takamasa Yokoi  
 (Department of Neurology, Nagoya University Graduate School of Medicine)
- O-05-4 In vivo visualization of alpha-synuclein deposition in Parkinson's disease by [11C]BF-227 PET  
 Speaker: Akio Kikuchi  
 (Department of Neurology, Tohoku University Graduate School of Medicine)
- O-05-5 Striatal dopamine activity in corticobasal syndrome is related to ipsilateral prefrontal perfusion  
 Speaker: Yoshikazu Nakano  
 (Department of Neurology, Chiba University Graduate School of Medicine)

**Myopathy 15:25~16:40**

Chair: Ken-Ya Murata

(Department of Neurology, Wakayama Medical University)

O-06-1 Identification of splicing defects not caused by the c.2997G>T mutation in the dysferlin gene

Speaker: Toshiaki Takahashi

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

O-06-2 Clinical and pathological characterization of patients with FHL1 myopathy

Speaker: Yukiko Hayashi

(Department of Pathophysiology, Tokyo Medical University)

O-06-3 Isolated inclusion body myopathy caused by a multisystem proteinopathy-linked hnRNPA1 mutation

Speaker: Rumiko Izumi

(Department of Neurology, Tohoku University Graduate School  
of Medicine/Department of Medical Genetics, Tohoku  
University Graduate School of Medicine)

O-06-4 Pathological analysis of VCPDM model mice

Speaker: Xiao Zhang

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

O-06-5 The inhibitory core peptide for myostatinits therapeutic rationale of muscle atrophy

Speaker: Yutaka Ohsawa

(Neurology, Kawasaki Medical School)

**Migraine 15:25~16:40**



Chair: Takao Takeshima

(Department of Neurology, Headache Center, Tominaga  
Hospital)

Commentator: Mamoru Shibata

(Department of Neurology, Keio University School of Medicine)

O-07-1 withdrawn

- O-07-2 The appearance frequency of the pericranial tenderness is related to the completeness as migraine  
 Speaker: Kenji Takagi  
 (Tokyo Medical University Ibaragi Medical Center)
- O-07-3 Morphological evaluation in patients with chronic migraine using Voxel-based morphometry  
 Speaker: Noboru Imai  
 (Japanese Red Cross Shizuoka Hospital)
- O-07-4 Retrospective study of omega-3 fatty acid treatment for migraine patients with dyslipidemia  
 Speaker: Takashi Kurokawa  
 (Department of Neurology, Mizonokuchi Hospital, Teikyo University School of Medicine)
- O-07-5 The influence of telmisartan to cortical spreading depression on Zucker fatty rat  
 Speaker: Eiji Kitamura  
 (Kitasato University School of Medicine)

Room11 (Kobe International Conference Center [International Conference Hall] 3・4F)

**PD/ET 15:25~16:40**



- Chair: Yoshio Tsuboi  
 (Department of Neurology, Fukuoka University)
- Commentator: Takahito Yoshizaki  
 (Division of Neurology, Department of Internal Medicine, Keio University School of Medicine)
- O-08-1 The effectiveness and safety of MR guided focused ultrasound (MRgFUS) for essential tremor  
 Speaker: Kimito Kondo  
 (Department of Neurology, Hokuto Hospital)
- O-08-2 The outcome of Parkinson's disease cases who received multiple neuromodulation therapy  
 Speaker: Katsuo Kimura  
 (Department of Neurology, Yokohama City University Medical Center / Department of Neurology and Stroke Medicine, Graduate School of Medicine, Yokohama City University)
- O-08-3 Efficacy of istradefylline on urinary tract symptoms in Parkinson's disease  
 Speaker: Takeya Kitta  
 (Department of Urology, Hokkaido University Hospital)
- O-08-4 Duloxetine, a serotonin and norepinephrine reuptake inhibitor, reduces OFF time in Parkinson Disease  
 Speaker: Masahiko Tomiyama  
 (Department of Neurology, Aomori Prefectural Central Hospital)

- O-08-5      Zonisamide enhances effects of levodopa in a rat model of Parkinson's disease  
 Speaker: Haruo Nishijima  
 (Department of Neurology, Aomori Prefectural Central Hospital  
 /Department of Neurophysiology, Institute of Brain Science,  
 Hirosaki University Graduate School of Medicine)

Room13(Kobe International Conference Center [Meeting Rooms 401+402] 4F)

**MND (Clinical and basic research)      15:25~16:40**



Chair: Osamu Onodera

(Department of Neurology, Clinical Neuroscience Branch Brain  
 Research Institute, Niigata University)

Commentator: Renato Verdugo

(Faculty of Medicine, Clinica Alemana-Universidad del  
 Desarrollo, Chile)

- O-09-1      Evaluation of cerebral oxidative stress in patients with ALS using  $^{62}\text{Cu}$ -ATSM PET  
 Speaker: Masamichi Ikawa  
 (Second Department of Internal Medicine, Faculty of Medical  
 Sciences, University of Fukui)

- O-09-2      Underlying pathomechanisms of motor neuronal hyperexcitability in amyotrophic lateral sclerosis  
 Speaker: Kazumoto Shibuya  
 (Department of Neurology, Graduate School of Medicine Chiba  
 University / Brain & Mind Centre, University of Sydney)

- O-09-3      The efficacy of combined bone marrow transplantation plus G-CSF treatment in ALS mice  
 Speaker: Yasuyuki Ohta  
 (Department of Neurology, Graduate School of Medicine,  
 Dentistry and Pharmaceutical Sciences, Okayama University)

- O-09-4      The effect of exercise in a mouse model of spinal and bulbar muscular atrophy  
 Speaker: Hideaki Nakatsuji  
 (Department of Neurology, Nagoya University Graduate School  
 of Medicine)

- O-09-5      Modeling spinocerebellar ataxia type 36 using patient induced pluripotent stem cells  
 Speaker: Kosuke Matsuzono  
 (Center for iPS Cell Research and Application (CiRA), Kyoto  
 University / Department of Neurology, Okayama University  
 Graduate School of Medicine, Dentistry and Pharmaceutical  
 Science)



**Higher brain dysfunction 15:25~16:40**



Chair: Kyoko Suzuki

(Department of Clinical Neuroscience, Yamagata University  
Graduate School of Medicine)

Commentator: Mika Otsuki

(Graduate School of Health Sciences, Hokkaido University)

**O-10-1 THERAPEUTIC HYPOTHERMIA AFTER CARDIOPULMONARY ARREST: 5 YEAR CLINICAL EXPERIENCE**

Speaker: Roselyn V. Pamatmat

(The Medical City, Philippines)

**O-10-2 The study on the characterization of the visual-illusion figure cognition in cerebellar disorders**

Speaker: Yuichi Higashiyama

(Department of Neurology and Stroke Medicine, Yokohama  
City University School of Medicine)

**O-10-3 Agrammatic comprehension affected by word order in nonfluent/agrammatic primary progressive aphasia**

Speaker: Ryuta Kinno

(Division of Neurology, Department of Internal Medicine, Showa  
University Northern Yokohama Hospital)

**O-10-4 The brain regions associated with ideomotor apraxia in acute ischemic stroke patients**

Speaker: Ryo Itabashi

(Department of Stroke Neurology, Kohnan Hospital/  
Department of Behavioral Neurology and Cognitive  
Neuroscience, Tohoku University Graduate School of  
Medicine)

**O-10-5 EEG phase synchrony reflects the severity of left unilateral spatial neglect after stroke**

Speaker: Teiji Kawano

(Neurorehabilitation Research Institute, Morinomiya Hospital)

**AD (Pathophysiology) 15:25~16:40**



Chair: Mikio Shoji

(Institute of Brain Science, Hirosaki University Graduate School of Medicine)

Commentator: Riadh Gouider

(Razi Hospital Tunis, Tunisia)

O-11-1 Clioquinol decreases phosphorylation levels of tau protein via JNK inactivation  
Speaker: Tadanori Hamano

(Second Department of Internal Medicine, Division of Neurology, Faculty of Medical Sciences, University of Fukui)

O-11-2 Downward spiral of CAA and tau pathology in Alzheimer's disease  
Speaker: Satoshi Saito

(Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center / Department of Neurology, Graduate School of Medicine, Kyoto University)

O-11-3 Induction of phosphorylated tau in synapse by accumulation of Abeta oligomers  
Speaker: Takeshi Kawarabayashi

(Department of Neurology, Hirosaki University Graduate School of Medicine)

O-11-4 Deciphering the Molecular Profile of Amyloid Pathology for Alzheimer disease by Deep Sequencing  
Speaker: Lin Tan

(Qingdao Municipal Hospital, China)

O-11-5 Genome-wide analysis of neuron specific DNA methylation in Alzheimer's disease  
Speaker: Tatsuo Mano

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

# **Oral Session**

**May 19 (Thu)**

## May 19 (Thu) Oral Session

Room1 (Kobe International Exhibition Hall [Convention Hall] Hall No.2 Building, 1st Floor)

### CVD (Clinical research) 10:15~11:30

**E**

Chair: Kazuo Minematsu

(National Cerebral and Cardiovascular Center)

Commentator: Stephen Davis

(University of Melbourne, Australia)

O-12-1 Usefulness of Heidelberg classification for ischemic stroke patients

Speaker: Takeshi Yoshimoto

(Department of Neurology, National Cerebral and Cardiovascular Center)

O-12-2 Detection of Atrial Fibrillation Using 7-day Holter ECG in Patients with ESUS -Interim Report-

Speaker: Yuichi Miyazaki

(Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center)

O-12-3 Utility of left atrial abnormality on admission electrocardiography in acute ischemic stroke

Speaker: Yukio Sugiyama

(National Hospital Organization Osaka Minami Medical Center, Department of Cerebrovascular Medicine)

O-12-4 Diagnostic criteria for cerebral small vessel disease with HTRA1 mutation

Speaker: Masahiro Uemura

(Department of Neurology, Brain Research Institute, Niigata University)

O-12-5 Clinical Characteristics of Cryptogenic Stroke Patients with Occult Cancer

Speaker: Yasufumi Gon

(Department of Neurology, Osaka University Graduate School of Medicine)

Oral Session  
May 19 (Thu)

**E** English Session

**CVD (Medical treatment) 10:15~11:30**

Chair: Shuhei Yamaguchi

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

O-13-1 Efficacy and Safety of Stroke Code for Intravenous Tissue Plasminogen Activator in Acute Stroke

Speaker: Yohei Tateishi

(Department of Neurology and Stroke, Nagasaki University  
Hospital)

O-13-2 Higher risk of ischemic events for patients with persistent versus paroxysmal atrial fibrillation

Speaker: Masatoshi Koga

(Division of Stroke Care Unit, National Cerebral and  
Cardiovascular Center/SAMURAI Study Investigators)

O-13-3 Risk of ischemic stroke during NOAC(Non-vitamin K antagonist oral anticoagulants) therapy

Speaker: Tatsuya Ito

(Japanese Red Cross Nagoya Daini Hospital, Department of  
Neurology)

O-13-4 Safety of dual antiplatelet therapy with intravenous argatroban

Speaker: Yoshinari Nagakane

(Department of Neurology, Kyoto Second Red Cross Hospital)

O-13-5 Variances in liaison critical pathway on discharge from convalescent hospital with stroke patients

Speaker: Tadashi Terasaki

(Neurology, Japanese Red Cross Kumamoto Hospital)

**Dementia (Clinical research 1 (Japanese)) 10:15~11:30**

Chair: Fukashi Udaka

(Department of Neurology, Sumitomo Hospital)

O-14-1 Clinical features of Neuronal intranuclear inclusion disease (NIID)

Speaker: Jun Sone

(Department of Neurology, Nagoya University Graduate School  
of Medicine./Department of Therapeutics for Intractable  
Neurological Disorders, Nagoya University Graduate School of  
Medicine.)

- O-14-2 Evaluation of genetic and clinical manifestation of idiopathic basal ganglia calcification  
 Speaker: Megumi Yamada  
 (Department of Neurology and Geriatrics, Gifu University)
- O-14-3 Factors associated with incidence of post-dural puncture headache in the Alzheimer's disease cohort  
 Speaker: Kensaku Kasuga  
 (Department of Molecular Genetics, Brain Research Institute, Niigata University)
- O-14-4 The relationship between ambulatory blood pressure and cerebrovascular disease in dementia patients  
 Speaker: Yasuhiro Tomii  
 (Department of Neurology, Kyoto Katsura Hospital)
- O-14-5 Analysis of mild cognitive impairment and glucose insulin metabolism in middle and old people  
 Speaker: Maya Ohara  
 (Department of Geriatric Medicine and Neurology, Ehime University Graduate School of Medicine)

Room4(Kobe International Exhibition Hall [Room 3A] Hall No.2 Building, 3rd Floor)

**MND (Clinical and basic research) 10:15~11:30**

Chair: Yasuo Iwasaki  
 (Toho University Omori Medical Center, Department of Neurology)

- O-15-1 Diaphragmatic ultrasound for respiratory assessment in ALS  
 Speaker: Yoshikatsu Noda  
 (Division of Neurology, Kobe University Graduate School of Medicine)
- O-15-2 Tongue ultrasonography, tongue pressure and videofluoroscopic examination for ALS patients  
 Speaker: Masahiro Nakamori  
 (Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of Biomedical and Health Sciences/Mifukai Viha-ra Hananosato Hospital/Department of Neurology, Suiseikai Kajikawa Hospital)
- O-15-3 Electromyographic findings of progressive muscular atrophy: Comparison with ALS  
 Speaker: Kota Bokuda  
 (Department of Neurology, Tokyo Metropolitan Neurological Hospital/Department of Sensory and Motor Systems, Tokyo Metropolitan Institute of Medical Science)

- O-15-4 The utility of transcutaneous capnography for the prognostic prediction in ALS  
 Speaker: Chiharu Kugimoto  
 (Department of Neurology, Yokohama City University School of Medicine)
- O-15-5 Edaravone, a free radical scavenger, attenuates wobbler mouse motoneuron disease  
 Speaker: Ken Ikeda  
 (Department of Neurology, Toho University Omori Medical Center)

Room5(Kobe International Exhibition Hall [Room 2A] Hall No.2 Building, 2nd Floor)

## Neuropathology 10:15~11:30



Chair: Mari Yoshida  
 (Institute for Medical Science of Aging, Aichi Medical University)

Commentator: Toshiki Uchihara  
 (Structural Neuropathology, Tokyo Metropolitan Institute of Medical Science)

- O-16-1 Clinical and Genetic and histopathological features of CMT1X in 16 Chinese patients  
 Speaker: Yuanyuan Lu  
 (Peking University, China)
- O-16-2 Localization of Beclin 1 in human main cerebral and carotid arteries  
 Speaker: Takahiko Umahara  
 (Department of Geriatric Medicine, Tokyo Medical University)
- O-16-3 Chronological change is the main cause of histopathological diversity in neuromyelitis optica  
 Speaker: Yoshiki Takai  
 (Department of Neurology, Tohoku University School of Medicine)
- O-16-4 Isoform-shift from 4R to 3R Tau Is Shared in Brainstem Neurofibrillary Pathology  
 Speaker: Miho Uematsu  
 (Department of Neurology, Kyoto University Graduate School of Medicine)

**Epilepsy 10:15~11:30**



Chair: Hiroshi Shigeto

(Epilepsy and Sleep Center, Fukuoka Sanno Hospital)

Commentator: Dede Gunawan

(Department of Neurology, Padjadjaran University, Hasan  
Sadikin Hospital, Indonesia)

O-17-1 long-term prognosis of newly diagnosed epilepsy in a Egypt .A retrospective cohort study

Speaker: Hassan S. Hosny

(Cairo University, Egypt)

O-17-2 Relationship between cortex and pulvinar abnormalities on DWI in status epilepticus

Speaker: Yoshiharu Nakae

(Department of Neurology and Stroke Medicine, Yokohama  
City University Graduate School of Medicine / Department of  
Neurology, Hiratsuka Kyosai Hospital)

O-17-3 NLRP1 inflammasome is activated in patients with medial temporal lobe epilepsy

Speaker: Chen-chen Tan

(Department of Neurology, Qingdao Municipal Hospital, School  
of Medicine, Qingdao University, China)

O-17-4 Wide-band Electrocorticographic (ECoG) data analysis in primary sensorimotor (SI-MI) area

Speaker: Shuichiro Neshige

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

O-17-5 Inflammatory parameters in mice brain treated with CSF from anti-NMDA receptor encephalitis

Speaker: Yongzhi Li

(Department of Life Science, Medical Research Institute,  
Kanazawa Medical University / Department of Neurology,  
Kanazawa Medical University / Department of Urology, The  
Fourth Affiliated Hospital of China Medical University,  
Shenyang, China)



**Central autoimmune diseases (Clinical and basic research 1)**

**10:15~11:30**

**E**

Chair: Takayuki Kondo

(Department of Clinical Network and Collaborative Medicine,  
Kyoto University)

Commentator: Kaori Sakuishi

(University of Tokyo, Department of Neurology)

O-18-1      withdrawn

O-18-2      Clinical and immunological analysis of multiple sclerosis with a deletion type copy-number variation

Speaker: Maimaitijiang Guzailiayi

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

O-18-3      Sema4A as a biomarker for      personalized therapy of multiple sclerosis

Speaker: Toru Koda

(Departments of Neurology, Osaka University Graduate School  
of Medicine)

O-18-4      Systemic allergic inflammation exacerbates neuroinflammation via glial endothelin receptor type B

Speaker: Ryo Yamasaki

(Department of Neurology, Kyushu University Hospital)

O-18-5      Gut intraepithelial myelin responsive CD4+T cells suppress CNS autoimmunity via LAG-3

Speaker: Atsushi Kadowaki

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

**Neuroinfectious diseases/prion 10:15~11:30**

Chair: Tatsufumi Nakamura

(The Department of Social Work, Faculty of Human and Social Studies, Nagasaki International University)

O-19-1 Cervical epidural abscess presenting acute paralyses with preceding cervical pain

Speaker: Yasumasa Hashimoto

(Department of Neurology, Kitano Hospital, The Tazuke Kofukai Medical Research Institute)

O-19-2 The effectiveness of the measurement of Tumor necrosis factor- $\alpha$  in cerebrospinal fluid

Speaker: Akira Machida

(Department of Neurology, Tsuchiura Kyodo General Hospital)

O-19-3 A retrospective study of Mefloquine hydrochloride treatment for PML in Japan

Speaker: Yoshiharu Miura

(Tokyo Metropolitan Center of Cancer and Infectious Disease, Komagome Hospital)

O-19-4 Quantification system of PrPSc in prion disease patients' materials by in vitro amplification method

Speaker: Katsuya Satoh

(Department of Locomotive Rehabilitation Science, Unit of Rehabilitation Sciences, Nagasaki University Graduate School of Biomedical Sciences)

O-19-5 Possible iatrogenic transmission of cerebral  $\beta$ -amyloidosis

Speaker: Tsuyoshi Hamaguchi

(1.Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Science)

**Neurogenetics/Gene therapy 10:15~11:30**



Chair: Tatsushi Toda

(Division of Neurology, Kobe University Graduate School of Medicine)

Commentator: Kentaro Sahashi

(Department of Neurology, Nagoya University Graduate School of Medicine)

O-20-1 Analysis of GCH1 in Japanese patients with Parkinson's disease

Speaker: Hiroyo Yoshino

(Research Institute for Diseases of Old Age, Graduate School of Medicine, Juntendo University)

O-20-2 A new type of double-stranded structure improved potency of antisense oligonucleotide for FAP

Speaker: Kotaro Yoshioka

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

O-20-3 Taurine for prevention of stroke-like episodes of MELAS: a first-ever tRNA modification disorder

Speaker: Yoshihide Sunada

(Department of Neurology, Kawasaki Medical School)

O-20-4 The 2nd clinical study of AADC Gene Therapy for Parkinson Disease

Speaker: Yoshihito Ando

(Department of Neurology, Haga Red Cross Hospital/  
Department of Neurosurgery, Jichi Medical University)

O-20-5 A novel platform technology to regulate the blood-brain barrier in vivo

Speaker: Hiroya Kuwahara

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

**PD (Clinical research 2) 10:15~11:30**



Chair: Noriyuki Matsukawa

(Department of Neurology, Nagoya City University)

Commentator: David J. Burn

(Institute of Neuroscience, Newcastle University, UK)

O-21-1 PR prolongation of electrocardiography in Parkinson's disease

Speaker: Hitoshi Mochizuki

(Division of Neurology, Respiriology, Endocrinology and Metabolism, Department of Internal Medicine, University of Miyazaki)

O-21-2 The trunk flexion angle affected by vertical position sense in Parkinson's disease

Speaker: Kyohei Mikami

(Noborito Neurology Clinic)

O-21-3 Treatment of antecollis increases the blood concentration level of levodopa

Speaker: Hiroyuki Todo

(Department of Neurology, National Center of Neurology and Psychiatry)

O-21-4 Features and exacerbating factors of low back pain in Parkinson's disease

Speaker: Takayoshi Shimohata

(Department of Neurology, Brain Research Institute, Niigata University)

O-21-5 A Japanese Multicenter Survey Characterizing Pain in Parkinson's Disease

Speaker: Hiroshi Nagayama

(Department of Neurology, Nippon Medical School)

**CVD (Pathophysiology) 10:15~11:30**



Chair: Yoshiaki Yagita

(Department of Stroke Medicine, Kawasaki Medical School)

Commentator: Koichi Oki

(Department of Neurology, Keio University School of Medicine)

O-22-1 The significance of serial D-dimer measurements on Trousseau's syndrome patients

Speaker: Shinji Ito

(Department of Neurology, Fujita Health University, School of Medicine)

O-22-2 Factors associated with leptomeningeal collateral development in Middle Cerebral Artery Occlusion

Speaker: Kyohei Fujita

(Department of Neurology, Musashino Red Cross Hospital)

O-22-3 Left atrial diameter and cardiovascular events in stroke patients with NVAF: Fukuoka Stroke Registry

Speaker: Toshiyasu Ogata

(Department of Neurology, Fukuoka University Hospital/  
Department of Medicine and Clinical Science, Graduate School  
of Medical Sciences, Kyushu University)

O-22-4 Upregulation and distribution of sphingosine-1-phosphate receptor 1 in acute ischemic stroke

Speaker: Eri Iwasawa

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

O-22-5 Pentraxin 3 supports blood-brain barrier integrity under acute phase of stroke

Speaker: Akihiro Shindo

(Department of Neurology, Mie University Graduate School of  
Medicine/Neuroprotection Research Laboratory,  
Departments of Radiology and Neurology, Massachusetts  
General Hospital and Harvard Medical School, USA)

**Central autoimmune diseases (Clinical and basic research 2)**

**10:15~11:30**

**E**

Chair: Yuji Nakatsuji

(Department of Neurology, Osaka University Graduate School of Medicine)

Commentator: Ching-Piao Tsai

(National Yang Ming University, Taiwan)

O-23-1      Suppression of regulatory T cells by exosomes in multiple sclerosis  
Speaker: 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)

O-23-2      Functional analysis of astroglial Cx30 in experimental autoimmune encephalomyelitis  
Speaker: Mei Fang

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

O-23-3      Experimental autoimmune encephalomyelitis in mice with induced conditional connexin 43 knock-out  
Speaker: Hayato Une

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

O-23-4      Stem cells from human exfoliated deciduous teeth-conditioned media (SHED-CM) ameliorate EAE  
Speaker: Hideyuki Takeuchi

(Department of Neuroimmunology, Research Institute of Environmental Medicine, Nagoya University)

O-23-5      C-C chemokine receptor4 antagonist Compound 22 ameliorates experimental autoimmune encephalomyelitis  
Speaker: Kota Moriguchi

(Department of Internal Medicine, Self Defense Force Hanshin Hospital / Division of Neurology, Department of Internal Medicine 3, National Defense Medical College)

Oral Session  
May 19 (Thu)

**PD/PSP (Treatment) 10:15~11:30**

Chair: Masahiro Nomoto

(Neurology and Clinical Pharmacology, Ehime University)

O-24-1 Correlation between gait and frontal functions in Parkinson's disease

Speaker: Shiho Okuda

(Hyogo Rehabilitation Center Hospital, Department of  
Neurology)

O-24-2 Clinical efficacy of Adenosine A2A antagonist to fatigue and depression in Parkinson's disease

Speaker: Hisashi Ito

(Department of Neurology, Shonan Fujisawa Tokushukai  
Hospital)

O-24-3 Effectivity of rotigotine patch on motor and cognitive dysfunctions in Parkinson's disease dementia

Speaker: Kouichi Ohta

(Department of Neurology, Tachikawa Hospital)

O-24-4 Safety and efficiency of anti-parkinson drugs for DLB/PDD patients

Speaker: Hisatomo Kowa

(Division of Neurology, Kobe University Graduate School of  
Medicine)

O-24-5 Triple Neurotransmitter Replacement Therapy can improve clinical symptoms in PSP patients

Speaker: Kyoko Hamada

(Shin-Sapporo Neurosurgery Hospital)

Room14 (Kobe International Conference Center [Meeting Room 501] 5F)

**AD (Diagnosis/Treatment) 10:15~11:30**



Chair: Akira Tamaoka

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

Commentator: Michael Devous

(Vice President, Avid Radiopharmaceuticals, Inc., USA)

O-25-1 Early functional network alterations in asymptomatic elders at risk for Alzheimer's disease

Speaker: Akinori Nakamura

(National Center for Geriatrics and Gerontology)

- O-25-2      Changes in brain  $\alpha 7$  nicotinic receptors and amyloid deposition in Alzheimer's disease  
 Speaker: Yasuomi Ouchi  
 (Hamamatsu University School of Medicine, Department of Biofunctional Imaging)
- O-25-3      Diagnostic value of DAT-VIEW and DATQUANT for discriminating DLB from AD  
 Speaker: Soichiro Shimizu  
 (Department of Geriatric Medicine, Tokyo Medical University)
- O-25-4      F-methyl-curcumin-1 (FMeC1) is a potential diagnostic and therapeutic agent for Alzheimer's disease  
 Speaker: Ikuo Tooyama  
 (Molecular Neuroscience Research Center, Shiga University of Medical Science)
- O-25-5      Disease-Modifying Effect of Solanezumab in Extension Study in Japanese Alzheimer's Disease Patients  
 Speaker: Tomomi Nakamura  
 (Eli Lilly Japan K.K.)

Room15 (Kobe International Conference Center [Meeting Room502] 5F)

## Peripheral neuropathy/Metabolic disorders

**E**

10:15~11:30

Chair: Hiroshi Takashima

(Department of Neurology, Kagoshima University Graduate School of Medical and Dental Sciences)

Commentator: Wolfgang Grisold

(Neurology, KFJ Hospital, Vienna, Austria, Medical University of Vienna (MUW), Austria)

- O-26-1      Antibodies to paranodal and juxtaparanodal proteins in CIDP and MMN  
 Speaker: Motoi Kuwahara

(Department of Neurology, Kinki University Faculty of Medicine)

- O-26-2      Useful laboratory markers for predicting anti-NF155 antibody status among CIDP patients  
 Speaker: Hidenori Ogata

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

- O-26-3      Clinicopathological features and the efficacy of immunomodulating therapy in CIDP model mice  
 Speaker: Masahiro Iijima

(Department of Neurology, Nagoya University Graduate School of Medicine/Department of Therapeutics for Intractable Neurological Disorders, Nagoya University Graduate School of Medicine)



O-26-4 Amyloid formation of C-terminal portion of transthyretin

Speaker: Mitsuharu Ueda

(Department of Neurology, Kumamoto University Hospital)

O-26-5 Construction of a Niemann-Pick Disease Type C modeling system and drug screening using iPS cells

Speaker: Hirokazu Furuya

(Department of Neurology, Kochi Medical School, Kochi University)

# **Oral Session**

**May 20 (Fri)**

## May 20 (Fri) Oral Session

Room1 (Kobe International Exhibition Hall [Convention Hall] Hall No.2 Building, 1st Floor)

### Dementia (Clinical research 1) 10:15~11:45



Chair: Yasumasa Ohyagi

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

Commentator: Tsuyoshi Hamaguchi

(Department of Neurology, Kanazawa University Hospital)

O-27-1 Transcranial Doppler: Method of Evaluating Cognitively Impaired and Non-cognitively Impaired Elderly

Speaker: Muktader A. Kalbi

(Jose R. Reyes Memorial Medical Center, Philippines)

O-27-2 MCI screening test is correlated with CSF Ab40/Ab42 and valuable for MCI clinical trial

Speaker: Yasuhiro Yoshii

(Department of Neurology, Nippon Koukan Hospital)

O-27-3 Diagnostic Accuracy of 123I-MIBG Imaging in DLB After Three Years Follow-up: A Multicenter Study

Speaker: Junji Komatsu

(Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Science.)

O-27-4 PiB-PET study focusing on dementia with Lewy bodies and Parkinson's disease with dementia

Speaker: Itsuki Hasegawa

(Department of Neurology, Osaka City University Graduate School of Medicine)

O-27-5 Vitamin B 12 Supplement may have an effect on cognition: VITATOPs, a randomized controlled study

Speaker: Kaavya Narasimhalu

(Department of Neurology, National Neuroscience Institute, SGH Campus, Singapore / Department of Pharmacology, National University of Singapore, Singapore)

O-27-6 Apomorphine improves memory function and insulin resistance in Alzheimer's disease

Speaker: Yasumasa Ohyagi

(Department of Geriatric Medicine and Neurology, Ehime University)

Oral Session  
May 20 (Fri)

**CVD (Pathophysiology) 10:15~11:45**

Chair: Yasuyuki Iguchi

(Department of Neurology, Jikei University School of Medicine)

O-28-1 PIB accumulation in patients with cerebral amyloid angiopathy

Speaker: Toshikazu Mino

(Osaka City University Hospital, Department of Neurology)

O-28-2 The evaluation of inflammatory markers in the acute intracerebral hemorrhage

Speaker: Taizen Nakase

(Research Institute for Brain & Blood Vessels -Akita)

O-28-3 Assessment of difference among anticoagulant activities by warfarin and NOACs using PF1+2

Speaker: Masanori Tomoda

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

O-28-4 Evaluation of risk scores in stroke patients with atrial fibrillation: the SAMURAI-NVAF study

Speaker: Toshihiro Ide

(Department of Cerebrovascular Medicine, National Cerebral  
and Cardiovascular Center)

O-28-5 Efficacy and implications of isoform selective Histone deacetylase inhibitors for cerebral ischemia

Speaker: Tsutomu Sasaki

(Department of Neurology, Osaka University Graduate School  
of Medicine)

O-28-6 Gradual carotid stenosis in mice closely mimics hypoperfusive vascular dementia

Speaker: Masafumi Ihara

(Department of Stroke and Cerebrovascular Diseases, National  
Cerebral and Cardiovascular Center / Department of  
Regenerative Medicine, National Cerebral and Cardiovascular  
Center)

**Central autoimmune diseases (Clinical research)**

**E**

**10:15~11:45**

Chair: Yuko Shimizu

(Department of Neurology, Tokyo Women's Medical University  
School of Medicine)

Commentator: Ho Jin Kim

(Neurology, National Cancer Center, Korea)

O-29-1 CASE SERIES EXPERIENCE IN THE MANAGEMENT OF AUTOIMMUNE ENCEPHALITIS IN PHILIPPINE GENERAL HOSPITAL

Speaker: Joshua Emmanuel E. Abejero

(University of the Philippines - Philippine General Hospital,  
Philippines)

O-29-2 Analysis of neurodegeneration with astrocytopathy in neuromyelitis optica and multiple sclerosis

Speaker: Mariko Hokari

(Department of Neurology, Brain Research Institute, Niigata  
University)

O-29-3 Pro-inflammatory cytokine elevation in the CSF of anti-MOG+ neuroinflammatory disorders

Speaker: Kimihiko Kaneko

(Department of Neurology, Tohoku university)

O-29-4 Anti-myelin oligodendrocyte glycoprotein antibody among autoimmune encephalitis

Speaker: Ryo Ogawa

(Department of Neurology, Tohoku University School of  
Medicine)

O-29-5 Serology Tests in Autoimmune Encephalopathies- A Hospital Audit

Speaker: Thirunavukkarasu Thivakaran

(Neurology Unit, Teaching Hospital, Batticalao, Sri Lanka/  
Faculty of Health Care Sciences, Eastern University, Sri  
Lanka)

O-29-6 The neuroradiological and immunological analysis of neuro-Behçet's disease

Speaker: Fumihiro Yanagimura

(Department of Neurology, Brain Research Institute, Niigata  
University)

**Myopathy 10:15~11:45**



Chair: Yoshihide Sunada

(Department of Neurology, Kawasaki Medical School)

Commentator: Katsuhisa Ogata

(Institute of Clinical Research, National Hospital Organization  
Higashisaitama Hospital)

O-30-1 Muscle MRI in riboflavin responsive lipid storage myopathy

Speaker: Yawen Zhao

(Department of Neurology, Peking University First Hospital,  
China)

O-30-2 Clinical Research of Becker Muscular research using nationwide patient registry

Speaker: Madoka Mori-yoshimura

(Department of Neurology, National Center Hospital, National  
Center of Neurology and Psychiatry)

O-30-3 Novel mutation of STIM1 causes dysregulation of Ca<sup>2+</sup> homeostasis in tubular aggregate myopathy

Speaker: Fumiaki Saito

(Department of Neurology, Teikyo University)

O-30-4 Follow up study of autoimmune necrotizing myopathy with anti-signal recognition particle antibodies

Speaker: Yawen Zhao

(Department of Neurology, Peking University First Hospital,  
China)

O-30-5 Endoplasmic reticulum stress in murine model and patients with inclusion body myositis

Speaker: Satoshi Yamashita

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

O-30-6 Oral administration of erythromycin decreases RNA toxicity in myotonic dystrophy

Speaker: Masayuki Nakamori

(Department of Neurology, Osaka University Graduate School  
of Medicine)

**PD (Pathophysiology) 10:15~11:45**



Chair: Hideyuki Sawada

(Utano National Hospital)

Commentator: Eng-King Tan

(National Neuroscience Institute, Singapore)

O-31-1 Serotonergic changes in putamen versus caudate of dopa-responsive dystonia and Parkinson's disease

Speaker: Yoshiaki Furukawa

(Department of Neurology, Juntendo Tokyo Koto Geriatric Medical Center)

O-31-2 Relation of acute levodopa challenge and striatal dopamine transporter density in Parkinson disease

Speaker: Kazuto Tsukita

(Department of Neurology, Tenri Hospital)

O-31-3 Altered functional connectivity associated with striatal dopamine depletion in Parkinson's disease

Speaker: Atsushi Shima

(Department of Neurology, Kyoto University Graduate School of Medicine)

O-31-4 MIBG myocardial scintigraphy identifies premotor PD during a negative DAT scan period

Speaker: Ryuji Sakakibara

(Neurology, Internal Medicine, Sakura Medical Center, Toho University)

O-31-5 Depletion of Nigrosome1 in parkinsonian brains as shown by loss of swallow tail sign on 3T MRI-SWI

Speaker: Kenji Yoshikawa

(Department of Neurology and Stroke Medicine, JCHO Hoshigaoka Medical Center)

O-31-6 Synaptic vesicle dynamics are regulated by Parkinson's disease-associated proteins Vps35 and LRRK2

Speaker: Tsuyoshi Inoshita

(Department of Research for Multiple Sclerosis and Intractable Neurological Diseases, Juntendo University Graduate School of Medicine)

**CVD (Basic research) 10:15~11:45**



Chair: Yasumasa Yamamoto

(Kyoto Katsura Hospital)

Commentator: Takakuni Maki

(Department of Neurology, Kyoto University)

O-32-1 Progressive motor deficits in patients with lenticulostriate artery territory infarcts

Speaker: Yasumasa Yamamoto

(Department of Neurology, Kyoto Katsura Hospital)

O-32-2 The impact of worsening renal function in admitted patients with acute ischemic stroke

Speaker: Makiko Tanaka

(Department of Stroke Medicine, Hoshigaoka Medical Center)

O-32-3 Primary disease and genetic polymorphism of Trousseau syndrome at Kure Medical Center

Speaker: Shotaro Haji

(National Hospital Organizaion Kure Medical Center and  
Chugoku Cancer Center)

O-32-4 Microglia-derived NO activates astroglial pentose-phosphate pathway through the Keap1/Nrf2 system

Speaker: Takuya Iizumi

(Department of Neurology, Keio University School of Medicine)

O-32-5 Selective inhibition of NR2B attenuates ischemic neuronal injury in neuronal culture and rats

Speaker: Yasukazu Terasaki

(Department of Neurology, Osaka University Graduate School  
of Medicine)

O-32-6 Accumulation of adiponectin in the rat brain under chronic cerebral hypoperfusion

Speaker: Yu Takahashi

(Department of Internal Medicine, School of Medicine, Nanakuri  
Sanatorium Fujita Health University)

**Room7(Kobe Portopia Hotel [Kairaku 1] Main Building B1F)**

**Ataxia/Spastic paraplegia 10:15~11:45**

Chair: Satoshi Ueno

(Nara Medical University Neurology)

O-33-1 Phenotype-genotype correlation between Japanese patients with spinocerebellar ataxia type 10

Speaker: Tetsuya Takahashi

(Department of Clinical Neuroscience and Therapeutics,  
Hiroshima University)



- O-33-2 Atrophy of cerebellum and corpus callosum in different subtypes of spinocerebellar degeneration  
Speaker: Rie Sasaki  
(Department of Neurology, St. Marianna University School of Medicine)
- O-33-3 Nutritious state and body mass index of patients with multiple system atrophy  
Speaker: Tomoe Sato  
(Department of Neurology, Brain Research Institute, Niigata University)
- O-33-4 Clinical evaluations of spastic paraplegia patients treated with ITB therapy  
Speaker: Yuta Ichinose  
(The Department of Neurology, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi)
- O-33-5 QAI1, a polyglutamine protein oligomerization inhibitor, exerts disease-modifying therapeutic effect  
Speaker: Eiko N. Minakawa  
(Department of Degenerative Neurological Diseases, National Center of Neurology and Psychiatry)
- O-33-6 Screening for polyglutamine aggregation inhibitors that suppress neurodegeneration in fly models  
Speaker: Yuji Saitoh  
(Department of Degenerative Neurological Diseases, National Institute of Neuroscience, National Center of Neurology and Psychiatry / Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry)

Room8 (Kobe Portopia Hotel [Kairaku 2] Main Building B1F)

## Neurorehabilitation 10:15~11:45

**E**

Chair: Takashi Nakajima  
(Niigata National Hospital, NHO)

Commentator: Kazuo Abe  
(Department of Neurology, Hyogo College of Medicine)

- O-34-1 Effect of repetitive transcranial magnetic stimulation on stroke patients with severe palsy  
Speaker: Mami Kawamura  
(Department of Neurology, Kawamura Hospital)
- O-34-2 Effects of rTMS on upper limb hemiparesis and cortical activation changes in post-stroke patients  
Speaker: Satoshi Katai  
(Department of Neurology, Keio University Hospital, Keio-Misayama Rehabilitation Center)

- O-34-3 fNIRS-mediated Neurofeedback combined with mental practice enhances gait recovery after stroke  
 Speaker: Masahito Mihara  
 (Department of Neurology, Osaka University Graduate School of Medicine)
- O-34-4 NIRS-mediated neurofeedback for cerebellar ataxia: potential for augmenting rehabilitative outcome  
 Speaker: Hiroaki Fujimoto  
 (Neurorehabilitation Research Institute, Morinomiya Hospital, Osaka / Department of Neurology, Osaka University Graduate School of Medicine)
- O-34-5 Effect of electrical stimulation of the suprahyoid muscles by pushing a bar-type electrode device  
 Speaker: Jun-ichi Inobe  
 (Inobe Hospital, Department of Neurology)

**Room9 (Kobe Portopia Hotel [Kairaku 3] Main Building B1F)**

**Intractable diseases/Ethics 10:15~11:45**

Chair: Yugo Narita  
 (Department of Fundamental Nursing, School of Nursing, Faculty of Medicine, Mie University)

- O-35-1 Questionary survey to patients with intractable neurological diseases about respite hospitalization  
 Speaker: Kiyomi Odachi  
 (Department of Neurology Matsusaka Central General Hospital)
- O-35-2 Result of a nationwide survey of the respite care by the hospital and visiting nursing in Japan  
 Speaker: Hitoshi Kikuchi  
 (Murakami Karindoh Hospital)
- O-35-3 The Ethical Problems in the Patients with PEG are studied to keep up with their QOL & Dignity  
 Speaker: Hiroko Nakamura  
 (Japanese Institute of Human Healthcare, Co.Ltd. / Yamagata Prefectural University of Health Sciences)
- O-35-4 A trial of fenestrated speaking tracheostomy tube in TPPV patients with neuromuscular disorders  
 Speaker: Tatsuya Abe  
 (Department of Neurology, National Hakone Hospital)
- O-35-5 Telemonitoring and remote alert system of artificial respirator for home-care  
 Speaker: Akinori Nakamura  
 (Intractable Disease Care Center, Shinshu University Hospital / Department of Home-Care Promotion, Shinshu University School of Medicine)

- O-35-6 The causes of admission for systemic complications in advanced neurodegenerative diseases  
Speaker: Hiroyuki Kato  
(Department of Neurology, International University of Health and Welfare Hospital)

Room10(Kobe International Conference Center [Main Hall] B1F・1F)

**Epilepsy 10:15~11:45**

Chair: Kazutaka Jin

(Department of Epileptology, Tohoku University Graduate School of Medicine)

- O-36-1 Toward the real time brain function monitoring; Development of a novel headset  
Speaker: Masao Nagayama

(Department of Neurology, International University of Health and Welfare Atami Hospital)

- O-36-2 Clinical utility of postprocessing of MRI in the diagnosis of MRI negative epilepsy  
Speaker: Taira Uehara

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

- O-36-3 Prognostic factors of epilepsy patients who visited the emergency department  
Speaker: Hirokazu Bokura

(Shimane Prefectural Central Hospital)

- O-36-4 Attempt to establish a diagnostic algorithm of autoimmune epilepsy  
Speaker: Mitsuhiro Sakamoto

(Department of Neurology, Kyoto University Graduate School of Medicine)

- O-36-5 Modification of sleep on the epileptiform discharge in benign adult familial myoclonus epilepsy  
Speaker: Takefumi Hitomi

(Kyoto University Graduate School of Medicine, Clinical Laboratory Medicine/Kyoto University Graduate School of medicine, Neurology)

- O-36-6 Study of anti-epileptic drug withdrawal and seizure events during long-term video-EEG monitoring  
Speaker: Mitsunori Shimmura

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

**CVD (Medical treatment) 10:15~11:45**

Chair: Takao Urabe

(Department of Neurology, Juntendo University Urayasu Hospital)

Commentator: Man Mohan Mehndiratta

(Janakpuri Superspecialty Hospital, New Delhi, India)

O-37-1 Significance of Development and Reversion of Collaterals in outcome after Intravenous Thrombolysis

Speaker: Masahiko Ichijo

(Department of Neurology, Musashino Red Cross Hospital)

O-37-2 Analysis of recurrent stroke volume between warfarin and NOAC for post stroke prevention

Speaker: Hiroaki Oguro

(Department of Neurology, Shimane University Hospital)

O-37-3 Hematoma volumes and severity of spontaneous intracerebral hemorrhage in the patients with NOACs

Speaker: Yoshinori Kurauchi

(Department of Cerebrovascular Medicine and Neurology, Cerebrovascular Center and Clinical Research Institute, National Hospital Organization Kyushu Medical Center / Department of Neurology, School of Medicine, Sapporo Medical University)

O-37-4 Rehabilitation after Stroke from Post-Acute to Longterm: A Population-based Study in Taiwan

Speaker: Ku-chou Chang

(Kaohsiung Chang Gung Memorial Hospital, Taiwan)

O-37-5 Effects of yokukansan on NO, OH- metabolism during cerebral ischemia and reperfusion in mice

Speaker: Chika Kitabayashi

(Department of Neurology, Saitama Medhical University)

O-37-6 A novel partial agonist-like RANKL peptide inhibiting TLR-induced inflammation in ischemic brain

Speaker: Munehisa Shimamura

(Department of Neurology, Osaka University Graduate School of Medicine / Department of Health Development and Medicine, Osaka University Graduate School of Medicine)

**MND (Pathophysiology) 10:15~11:45**



Chair: Hiroaki Adachi

(Department of Neurology, University of Occupational and Environmental Health School of Medicine)

Commentator: Kuang-Yung Lee

(Chang Gung Memorial Hospital, Keelung, Taiwan)

O-38-1 The SMN gene copy number states in Japanese ALS patients

Speaker: Tomohiko Ishihara

(Department of Neurology, Brain Research Institute, Niigata University/Department of Molecular Neuroscience, Center for Bioresource-based Research, Brain Research Institute, Niigata University)

O-38-2 Neuronal toxicity of TDP-43 is associated with the dysfunction of ribosomal proteins in axons

Speaker: Seiichi Nagano

(Department of Peripheral Nervous System Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry)

O-38-3 Mislocated FUS is sufficient condition to lead ALS-phenotype in a dominant gain-of-function manner

Speaker: Gen Shiihashi

(Department of Neurology, Keio University School of Medicine)

O-38-4 Deciphering the expression and function of C9ORF72 using mouse model

Speaker: Naoki Suzuki

(Department of Neurology, Tohoku University/The Howard Hughes Medical Institute, Harvard Stem Cell Institute, Department of Stem Cell and Regenerative Biology, Harvard University, USA)

O-38-5 Investigation of TFG pathology in HMSN-P

Speaker: Ryosuke Oki

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

O-38-6 Gene expression analysis in spinal cord of SOD1(G93A) mice after bone marrow transplantation therapy

Speaker: Tomoya Terashima

(Department of Stem Cell Biology and Regenerative Medicine, Shiga University of Medical Science)

**Dementia (Clinical research 2) 10:15~11:45**



Chair: Ayae Kinoshita

(Department of Human Health Sciences, Kyoto University  
Graduate School of Medicine)

Commentator: Makio Takahashi

(Department of Neurology, Osaka Red Cross Hospital)

O-39-1 Nationwide hospital-based survey of idiopathic normal pressure hydrocephalus (iNPH) in Japan

Speaker: Nagato Kuriyama

(Department of Epidemiology for Community Health and  
Medicine, Kyoto Prefectural University of Medicine/  
Department of Neurology, Kyoto Prefectural University of  
Medicine)

O-39-2 Tau imaging in patients with ALS/PDC in the Kii Peninsula

Speaker: Hitoshi Shinotoh

(Molecular Neuroimaging Program, National Institute of  
Radiological Sciences/Neurology Chiba Clinic)

O-39-3 Modifiable risk factors for Alzheimer's disease: systematic review and meta-analysis

Speaker: Hui fu Wang

(Department of Neurology, Qingdao Municipal Hospital, China)

O-39-4 Microbleeds in clinical subtypes of AD on CSF and Neuroimaging markers

Speaker: Masaki Ikeda

(Department of Neurology, Gunma University Graduate School  
of Medicine)

O-39-5 Long-chain omega-3 polyunsaturated fatty acids, Cerebral small-vessel disease, and Incident dementia

Speaker: Kaori Miwa

(Department of Neurology, Osaka University Graduate School  
of Medicine)

O-39-6 Depression Prevention in Caregivers of Patients with Dementia: A Meta-Analysis

Speaker: Dan Neftalie A. Juangco

(St. Luke's Medical Center - Institute for Neuroscience,  
Philippines)

**Miscellaneous 10:15~11:45**



Chair: Hisatomo Kowa

(Division of Neurology, Kobe University Graduate School of Medicine)

Commentator: Takahiro Mezaki

(Department of Neurology, Sakakibara Hakuho Hospital)

O-40-1 Clinical and Radiologic Feature of Adult Filipino with Transient Global Amnesia: Retrospective Study

Speaker: Renato Jr. C. Dejan

(St. Luke's Medical Center Quezon City)

O-40-2 Validation of a Screening Questionnaire for X-linked Dystonia Parkinsonism (XDP)

Speaker: Jose Danilo B. Diestro

(University of the Philippines- Philippine General Hospital)

O-40-3 An exploration of the origin of granulovacuolar degeneration bodies and rimmed vacuoles

Speaker: Yukari Shinozaki

(Department of Clinical Neuroscience and Therapeutics, Hiroshima University.)

★ O-40-4 Blood amino acids and acylcarnitines spectrums in Chinese patients with mitochondrial disease

Speaker: Zhe Zhang

(Neurology Department of Peking University First Hospital)

O-40-5 Clinical characteristics and brain MRI features of nineteen patients with Kearns Sayre syndrome

Speaker: Meng Yu

(Peking University First Hospital)

★ O-40-6 Clinical features of MELAS: an analysis of 190 cases

Speaker: Zhe Zhang

(Neurology Department of Peking University First Hospital)

# **Oral Session**

**May 21 (Sat)**



## May 21 (Sat) Oral Session

Room1 (Kobe International Exhibition Hall [Convention Hall] Hall No.2 Building, 1st Floor)

### CVD (Endovascular therapy) 10:15~11:30



Chair: Hiroshi Yamagami

(Department of Neurology, National Cerebral and  
Cardiovascular Center)

Commentator: Shoji Matsumoto

(Kokura Memorial Hospital Department of Neurology)

O-41-1 Long-term follow-up study of basilar artery diameter in patients with cardiobascular risk factors

Speaker: Mariko Takeuchi

(Department of Neurology and Stroke Center, Osaka University  
Graduate School of Medicine)

O-41-2 Association of genetic polymorphisms SOD and GPx genes with cerebrovascular stroke

Speaker: Binod K. Yadav

(Dept of Biochemistry, Institute of Medicine, Kathmandu, Nepal)

O-41-3 Usefulness of CTP and 4D-CTA in patients' selection for endovascular recanalization therapy

Speaker: Masunari Shibata

(Faculty of Neuroendovascular therapy, Ise Red Cross Hospital  
/Stroke Center, Ise Red Cross Hospital)

O-41-4 Transbrachial Balloon Guide Use for Acute Recanalization Therapy

Speaker: Shigen Kasakura

(Department of Stroke Treatment, Shonan Kamakura General  
Hospital Stroke Center)

O-41-5 Factors related to vessel injury complication after stroke thrombectomy using stent retriever

Speaker: Mikito Hayakawa

(Department of Cerebrovascular Medicine, National Cerebral  
and Cardiovascular Center)

Oral Session  
May 21 (Sat)

**Dementia (Clinical research 2 (Japanese)) 10:15~11:30**

Chair: Minoru Matsuda

(Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine)

O-42-1 Clinical symptoms and prognosis of primary progressive apraxia of speech (ppAOS)

Speaker: Mika Otsuki

(Faculty of Health Sciences, Hokkaido University Graduate School of Health Sciences)

O-42-2 The clinical features related to living alone patients in Alzheimer's disease

Speaker: Yumiko Uchiyama

(Department of Neurology, Tokyo Women's Medical University  
/Department of Neurology, Japanese Red Cross Medical Center)

O-42-3 A novel IT tool for interprofessional management of elderly patients with dementia

Speaker: Toshihiro Yoshizawa

(NTT Medical Center Tokyo)

O-42-4 Prevalence and severity of behavioral and psychological symptoms of dementia in community dwelling

Speaker: Tetsuro Ishihara

(Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine)

O-42-5 Physical rehabilitation improves cognitive impairment in CVD

Speaker: Hiroyuki Nakashima

(Department of Neurology, Kawamura Hospital)

**Neurorehabilitation 10:15~11:30**

Chair: Sonoko Nozaki

(Hyogo University of Health Sciences)

O-43-1 A study for changes of motor and cognitive function by TMS with MVC

Speaker: Tetsuo Touge

(Health Sciences, School of Nursing, Faculty of Medicine, Kagawa University)

- O-43-2 Cerebellar cognitive affective syndrome influences outcome in stroke rehabilitation  
 Speaker: Keita Kakuda  
 (Neurorehabilitation Research Institute, Morinomiya Hospital)
- O-43-3 Effect of repetitive transcranial magnetic stimulation in patients with acute capsular infarction  
 Speaker: Kosuke Watanabe  
 (Department of Neurology, Yokohama Brain and Spine Center)
- O-43-4 Judging the ingestion/swallow function in patients of the hospital for the disabled  
 Speaker: Yoko Mochizuki  
 (Department of Neurology, Tokyo Metropolitan Kita Medical and Rehabilitation Center for the Disabled)
- O-43-5 The importance of dysphagia rehabilitation for patients with tracheostomy  
 Speaker: Megumi Yokozeki  
 (Kyoto Ohara Memorial Hospital)

Room4(Kobe International Exhibition Hall [Room 3A] Hall No.2 Building, 3rd Floor)

## Clinical neurophysiology 10:15~11:30



Chair: Katsumi Kurokawa

(Kawasaki Medical School, Department of Neurology)

Commentator: Ritsuko Hanajima

(Department of Neurology, Kitasato University School of Medicine)

- O-44-1 Orthostatic cerebral anemia-POTS,NMS,Migraine studied by head up tilt test  
 Speaker: Kouichi Honma  
 (Chiba Cerebral and Cardiovascular Center)
- O-44-2 Enhancement of coupling between slow waves and high gamma activities during slow wave sleep in human  
 Speaker: Jumpei Togawa  
 (Department of Neurology, Kyoto University)
- O-44-3 Video EEG Patterns: A Neurological Prognostication after Rewarming from Therapeutic Hypothermia  
 Speaker: Virulo P. Marianito  
 (The Medical City Hospital, Philippines)
- O-44-4 Ultrasonographic evaluation of upper extremities in polio survivors (1)  
 Speaker: Hiroshi Tsukamoto  
 (Department of Clinical Laboratory Science, Teikyo University Faculty of Medical Technology/Department of Neurology, Teikyo University School of Medicine)

- O-44-5 Fasciculation potential in amyotrophic lateral sclerosis using high density-surface electromyography  
 Speaker: Kenji Sekiguchi  
 (Division of Neurology, Kobe University Graduate School of Medicine)

Room7 (Kobe Portopia Hotel [Kairaku 1] Main Building B1F)

**PD/PSP (Clinical research) 10:15~11:30**

Chair: Nobukatsu Sawamoto  
 (Department of Human Health Sciences, Kyoto University Graduate School of Medicine)

- O-45-1 Turnover movements using a wearable accelerometer in patients with different types of motor deficits  
 Speaker: Kenji Uchino  
 (Department of Neurology, St. Marianna University School of Medicine)

- O-45-2 Anhedonia and its correlation with clinical aspects in Parkinson's Disease  
 Speaker: Hiroshi Nagayama  
 (Department of Neurological Science, Graduate School of Medicine, Nippon Medical School)

- O-45-3 Difference of REM sleep behavior disorder between the onset of before and after Parkinson's disease  
 Speaker: Takashi Nomura  
 (Division of Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University)

- O-45-4 Genetic analysis of sporadic PSP based on genetic analysis of hereditary PSP  
 Speaker: Ichiro Yabe  
 (Department of Neurology, Hokkaido University Graduate School of Medicine)

- O-45-5 The natural history and nutritional treatment in the patients with progressive supranuclear palsy  
 Speaker: Hiroshi Takigawa  
 (Division of Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori University)

**Dementia (Pathophysiology) 10:15~11:30**



Chair: Takeshi Ikeuchi

(Department of Molecular Genetics, Brain Research Institute,  
Niigata University)

Commentator: Akira Kuzuya

(Department of Neurology, Kyoto University Graduate School of  
Medicine)

O-46-1 Chronic hypoxia facilitates Alzheimer's disease through demethylation of gammasecretase

Speaker: Weidong Le

(Department of Neurology, The First Affiliated Hospital, Dalian  
Medical University, China / Center for Translational Research  
on Neurological Diseases, The First Affiliated Hospital, Dalian  
Medical University, China / Institute of Health Sciences,  
Shanghai Jiao Tong University School of Medicine and  
Shanghai Institutes for Biological Sciences, Chinese Academy  
of Sciences, China / Institute of Neurology, Ruijin Hospital,  
Shanghai Jiao Tong University School of Medicine, China)

O-46-2 BMP4 expression by pericytes after ischemia aggravates white matter damage

Speaker: Maiko Uemura

(Department of Neurology, Kyoto University Graduate School of  
Medicine)

O-46-3 The twenty-four kDa C-terminal tau fragment associates with propagation and calpain digestion

Speaker: Yumiko Motoi

(Department of Diagnosis, Prevention and Treatment of  
Dementia, Juntendo University School of Medicine /  
Department of Neurology, Juntendo University School of  
Medicine)

O-46-4 Loss of FUS causes phosphorylated tau accumulation in aged mice

Speaker: Shinsuke Ishigaki

(Department of Neurology, Nagoya University Graduate School  
of Medicine)

O-46-5 Role of Complement Receptor 1 Mediated Mechanisms in Alzheimer Disease Related Tau Pathology

Speaker: Xi-chen Zhu

(Department of Neurology, Qingdao Municipal Hospital, Nanjing  
Medical University, China)

**CVD (Clinical research) 10:15~11:30**

Chair: Teruyuki Hirano

(Department of Stroke and Cerebrovascular Medicine, Kyorin University)

O-47-1 The contribution of Door-to-Imaging Time and Imaging-to-Needle Time to Door-to-Needle time

Speaker: Hiroyuki Kawano

(The University of Newcastle, NSW, Australia)

O-47-2 Prehospital Stroke Scale to Predict Large Vessel Occlusion:FACE2-AD Scale

Speaker: Yoshinori Okuno

(National Cerebral and Cardiovascular Center, Department of Neurology)

O-47-3 Clinical characteristics of patients with embolic strokes of undetermined source

Speaker: Tomohisa Nezu

(Department of Stroke Medicine, Kawasaki Medical School)

O-47-4 Clinical significance and prognosis of TMB in patients with TIA: the Fukuoka Stroke Registry

Speaker: Naruhiko Kamogawa

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

O-47-5 Clinical features and acute medical care of TIA between urban and rural areas in Japan

Speaker: Kenta Seki

(Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center)

# Parkinsonism (Clinical and imaging research)

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10:15~11:30

Chair: Atsushi Takeda

(National Hospital Organization, Sendai-Nishitaga Hospital)

Commentator: Tadashi Ichikawa

(Saitama Prefectural Rehabilitation Center)

★ O-48-1 Greater progression of Parkinson disease in patients carrying LRRK2 risk variants

Speaker: Bin Xiao

(Department of Neurology, National Neuroscience Institute, Singapore General Hospital, Singapore/Department of Neurology, The First Affiliated Hospital, Guangxi Medical University, Nanning, China)

O-48-2 Consistency of asymmetry between on IMP-SPECT and on DAT scan in multiple system atrophy

Speaker: Shinichi Ueno

(Department of Neurology, Juntendo University School of Medicine)

O-48-3 Usefulness of electrogastrography for the diagnosis of Parkinson's disease in early stage

Speaker: Nobuyuki Araki

(Department of Neurology, Chiba University School of Medicine)

O-48-4 Analysis of the Differential Diagnosis between Parkinson's disease and vascular parkinsonism

Speaker: Akihiko Ogata

(Department of Neurology, Hokkaido Neurosurg.Memorial Hospital)

O-48-5 Clinical evaluation for SWEDDs patients using 123I- MIBG myocardial scintigraphy

Speaker: Fumihito Yoshii

(Department of Neurology, Tokai University Oiso Hospital)

Oral Session  
May 21 (Sat)

**HAM/Neuroinflammatory diseases 10:15~11:30**



Chair: Shuji Izumo

(Molecular Pathology, Center for Chronic Viral Diseases,  
Kagoshima University)

Commentator: Yoshihisa Yamano

(Department of Rare Disease Research, Institute of Medical  
Science, St. Marianna University School of Medicine)

O-49-1 Clinical profiles of orbital inflammatory pseudotumors with neurological involvement

Speaker: Mana Takahashi

(Department of Neurology, Brain Research Institute, Niigata  
University)

O-49-2 Clinical, radiological and immunological features of idiopathic hypertrophic pachymeningitis

Speaker: Izumi Kawachi

(Department of Neurology, Brain Research Institute, Niigata  
University)

O-49-3 Bedside three-step-diagnosis in 104 cases with neuroendocrinological disorders after HPV vaccination

Speaker: Yoshiyuki Kuroiwa

(Department of Neurology, Teikyo University Mizonokuchi  
Hospital)

O-49-4 Gene expression profile of activated HTLV-1-infected cells from HAM patients

Speaker: Ryuji Kubota

(Center for Chronic Viral Diseases, Kagoshima University)

O-49-5 Molecular analysis of HTLV-1 subgroups associated with the risk of developing HAM

Speaker: Mineki Saito

(Department of Microbiology, Kawasaki Medical School)



**Ataxia/Spastic paraplegia (Genetics) 10:15~11:30**



Chair: Yoshio Ikeda

(Department of Neurology, Gunma University Graduate School of Medicine)

Commentator: Takayoshi Shimohata

(Department of Neurology, Brain Research Institute, Niigata University)

O-50-1 A mutation in CACNA1G causes autosomal dominant spinocerebellar ataxia  
Speaker: Hiroyuki Morino

(Department of Epidemiology, Research Institute for Radiation Biology and Medicine, Hiroshima University)

O-50-2 The clinical and pathological features of autosomal-dominant SCA with CACNA1G mutation  
Speaker: Hiroshi Doi

(Department of Neurology and Stroke Medicine, Yokohama City University)

O-50-3 Mutational analysis of causative genes for autosomal recessive SCD in early-onset patients  
Speaker: Yuka Hama

(National Center Hospital, National Center of Neurology and Psychiatry)

O-50-4 Two Japanese families of hereditary spastic paraplegia (SPG9) probably caused by ALDH18A1 mutations  
Speaker: Kishin Koh

(Department of Neurology, University of Yamanashi, Graduate School of Medical Sciences)

★ O-50-5 EPIDEMIOLOGICAL, CLINICAL, AND GENETIC STUDY IN A LARGE COHORT OF PATIENTS WITH SPASTIC PARAPLEGIA  
Speaker: Antonio Orlacchio

(Laboratorio di Neurogenetica, CERC-IRCCS Santa Lucia, Rome, Italy / Dipartimento di Medicina dei Sistemi, Università di Tor Vergata", Rome, Italy)