

Dementia 1

Chairs : Tadanori Hamano

Department of Neurology, University of Fukui, Japan

Daisuke Ito

Keio University Hospital Memory Centre, Japan

O-01-1 Relationship between amyloid burden and integrity of cholinergic pathways in Alzheimer's disease

Li HUA. Lee

Department of Neurology, Cardinal Tien Hospital, New Taipei City, Taipei, Taiwan

O-01-2 Increased brain oxidative stress related to amyloid deposition in patients with Alzheimer's disease

Masamichi Ikawa

Department of Community Health Science, Faculty of Medical Sciences, University of Fukui, Japan / Biomedical Imaging Research Center, University of Fukui, Japan

O-01-3 Rapid amyloid clearance and efficacy of donanemab for treatment of early Alzheimer's disease [Encore Presentation]

Sergey Shcherbinin

Eli Lilly and Company, USA

O-01-4 Association of creatine kinase with cognition and Alzheimer's pathology

Wang Yutong

Department of Cardiology, Beijing Hospital, National Center of Gerontology, The Key Laboratory of Geriatrics, Institute of Geriatric Medicine, Chinese Academy of Medical Sciences & Peking Union Medical College, China

O-01-5 New exosome microRNA markers are useful for diagnosis and disease progression of Alzheimer's disease

Tomohiro Imamura

Translational Neuroscience Research Center, Graduate School of Medicine, International University of Health and Welfare, Japan / Department of Pharmaceutical Sciences, School of Pharmacy at Fukuoka, International University of Health and Welfare, Japan / Department of Neurology, Takagi Hospital, International University of Health and Welfare, Japan

O-01-6 Discovery of the Extracellular Vesicle Protein Cathepsin B Associated with Alzheimer's Pathology

Yukifusa Igeta

Department of Dementia, Dementia Center, Toranomon Hospital, Japan / Okinaka Memorial Institute for Medical Research, Japan

Gene therapy, Regenerative medicine, and Therapy development

Chairs : Tetsuya Nagata

NucleoTIDE and PepTIDE Drug Discovery Center, Tokyo Medical and Dental University, Japan

Yohei Okada

Institute for Medical Science of Aging, Aichi Medical University, Japan

O-02-1 Antisense oligonucleotide for spinocerebellar ataxia type 31

Miwa Higashi

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

O-02-2 Chemical modification reduces neurotoxicity of intrathecally injected antisense oligonucleotide

Takayuki Kuroda

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

O-02-3 Development of heteroduplex oligonucleotides via intrathecal route from in vitro to in vivo

Kotaro Yoshioka

Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan
/ NucleoTIDE and PepTIDE Drug Discovery Center, Tokyo Medical and Dental University, Japan**O-02-4 Establishment of patient-derived blood-brain barrier models for drug screening**

Hideaki Nishihara

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

O-02-5 Recovery of motor dysfunction in chronic monkey stroke model by direct reprogramming approach

Hiroshi Fushiki

Astellas Pharma Inc., Japan

O-02-6 Oxygen-glucose deprived peripheral blood mononuclear cells alter microglial phenotype by secretome [Encore Presentation]

Masahiro Hatakeyama

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

Neurogenetics 1**Chairs : Manabu Funayama**Research Institute for Diseases of Old Age, Graduate School of Medicine,
Juntendo University, Japan**Satoko Miyatake**

Department of Clinical Genetics, Yokohama City University Hospital, Japan

O-03-1 Cross-ancestry genome-wide meta-analysis provides novel insights into Alzheimer's disease**Jin-tai Yu**Department of Neurology and National Center for Neurological Disorders, Huashan Hospital,
State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science,
Shanghai Medical College, Fudan University, Shanghai, China**O-03-2 Association between polygenic risk for Alzheimers disease and brain structure in children and adults****Xiao-yu He**Department of Neurology and National Center for Neurological Disorders, Huashan Hospital,
State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science,
Shanghai Medical College, Fudan University, China**O-03-3 A Phenome-wide Association and Mendelian Randomization Study for Alzheimer's Disease****Shidong Chen**

Huashan Hospital, Fudan University, China

O-03-4 WGS GWAS of genetic correlation for cognitive decline with retinal thickness in Japanese population**Makiko Taira**Tohoku Medical Megabank Organization, Tohoku University, Japan / Department of Neurology,
Graduate School of Medicine, Tohoku University, Japan / Department of Neurology, Tohoku
University Hospital, Tohoku University, Japan**O-03-5 Genetic architectures of cerebral ventricles and their overlap with neuropsychiatric traits****Yi-jun Ge**Department of Neurology and National Center for Neurological Disorders, Huashan Hospital,
State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science,
Shanghai Medical College, Fudan University, Shanghai, China**O-03-6 Exome sequencing identifies protein-coding variants associated with loneliness and social isolation****Yi-xuan Wang**Department of Neurology and National Center for Neurological Disorders, Huashan Hospital,
State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science,
Fudan University, China

Cerebrovascular disease 1

Chair : Hiroshi Yamagami

Division of Stroke Prevention and Treatment, Institute of Medicine, University of Tsukuba, Japan

O-04-1 Safety of mechanical therapy for acute ischemic stroke in patients on anticoagulants

Kaito Watanabe

Department of Neurology, Saitama Medical University International Medical Center, Japan

O-04-2 A study of thrombectomy for Cancer associated Stroke at our hospital
Shinichiro Numao

Nippon Medical School Department of Neurology, Japan

O-04-3 Risk Factors for Symptomatic Intracranial Hemorrhage after Intravenous rt-PA therapy

Takato Hiramine

Department of Neurology, Kagoshima city hospital, Japan

O-04-4 Three-month outcomes of penetrating artery territory infarction treated with DAPT and argatroban

Yuki Shimizu

kyoutodainisekizyuuzyibyouinnoushinkeinaika, Japan

O-04-5 Comparison of postoperative occlusion in proximal and distal radial artery punctures

Yoshinori Kurauchi

Department of Neurology, Sapporo Shiroishi Memorial Hospital, Japan

O-04-6 Clinical features of Intracranial Cerebral Artery Dissection aggravated during acute stage

Ryoko Inutsuka

National Cerebral and Cardiovascular Center Cerebrovascular Medicine, Japan

Neuroimmunology 1

Chair : Ichiro Nakashima

Tohoku Medical and Pharmaceutical University, Japan

O-05-1 PD-1 expression on CD8⁺ T cells correlates with favorable long-term prognosis of Multiple Sclerosis

Shusuke Koto

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

- O-05-2** Longitudinal analysis of cognitive function, QOL, fatigue, and depression in Japanese MS patients
Masaaki Niino
Department of Clinical Research, National Hospital Organization Hokkaido Medical Center, Japan
- O-05-3** Prognostic prediction of neuromyelitis optica spectrum disorders by complement biomarkers
Katsuichi Miyamoto
Department of Neurology, Wakayama Medical University, Japan
- O-05-4** Analysis of risk factors for relapse under preventive treatment in AQP4 antibody-positive NMOSD
Chihiro Fujii
Department of Neurology, Kansai Medical University Medical Center, Japan / Department of Neurology, Kyoto Prefectural University of Medicine, Japan
- O-05-5** IL-6 signaling blockade induces regulatory plasmablasts in NMOSD
Ritsu Akatani
Division of Neurology, Kobe University Graduate School of Medicine, Japan
- O-05-6** The effectiveness of biologics for neuromyelitis optica spectrum disorder
Naoya Yamazaki
Department of Neurology, Tohoku University Graduate School of Medicine, Japan

O-06 Oral Session 06AOCN2024 **En**

May 29 (Wed) 15:35 ~ 17:05

Room 11 (Glass Building 4F G402)

Clinical neurophysiology, Cognitive dysfunction, and Sleep disorders

Chairs : Kyoko Suzuki

Department of Behavioral Neurology and Cognitive Neuroscience, Japan

Ryuta Kinno

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

- O-06-1** Spatiotemporal neural dynamics in kanji vs. kana reading: An electroencephalography (ECoG) study

Kazuto Katsuse

Department of Behavioral Neurology and Cognitive Neuroscience, Graduate School of Medicine, Tohoku University, Japan / Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

- O-06-2** Dynamics of Functional Connectivity Depend on the Position and Type of Wh-Interrogatives

Yu Kitazawa

Department of Neurology and Stroke Medicine, Yokohama City University, Japan / Departments of Pediatrics and Neurology, Children's Hospital of Michigan, Detroit Medical Center, Wayne State University, USA

O-06-3 Reduction of the long-term potentiation-like plasticity in patients with mild cognitive impairment

Takenobu Murakami

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

O-06-4 Effects of gliomas on the contralateral hemisphere associated with delayed cognitive responses

Ryuta Kinno

Division of Neurology, Department of Internal Medicine, Showa University Northern Yokohama Hospital, Japan / Department of Basic Science, Graduate School of Arts and Sciences, The University of Tokyo, Japan

O-06-5 Associations Between Sleep-Disordered Breathing, Slow-Wave Sleep, and Memory Consolidation

Yi-chun Kuan

Taipei Neuroscience Institute, Taipei Medical University, Taipei, Taiwan / Department of Neurology, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan / Department of Neurology, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan

O-06-6 The characteristics of post-acute sequelae of SARS-CoV-2 infection focusing on attention features

Akinori Futamura

Division of Neurology, Department of Internal Medicine, Showa University Fujigaoka Hospital, Japan / Division of Neurology, Department of Internal Medicine, Showa University School of Medicine, Japan

O-07 Oral Session 07

AOCN2024 En

May 29 (Wed) 15:35 ~ 17:05

Room 12 (Glass Building 4F G409)

Parkinsonism and Related disorders 1

Chairs : Atsushi Takeda

NHO Sendai Nishitaga Hospital, Japan

Hirohisa Watanabe

Fujita Health University, Japan

O-07-1 Lower urinary tract symptoms are associated with gait disorder and fall in Parkinson's disease

Shuro Kogawa

Kohka Public Hospital, Japan

O-07-2 Randomized placebo-controlled trial of zonisamide in at-risk subjects of Lewy body disease

Keita Hiraga

Nagoya University Graduate School of Medicine, Japan

O-07-3 Swallowing sound index analysis using electronic stethoscope artificial intelligence for PD patients

Masahiro Nakamori

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

O-07-4 Recognition, Assessment, and Management of Tardive Dyskinesia:
A Southeast Asian Expert Consensus

Roongroj Bhidayasiri

Chulalongkorn Centre of Excellence for Parkinsons Disease and Related Disorders,
Chulalongkorn University, Thailand

O-07-5 Role of wearable technology in school going adolescent with pediatric
movement disorders

Vikas Sharma

IDC research center, India

O-07-6 Phenomenology of Functional Movement Disorders in Children

Ajith Cherian

SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY,
India

O-08 Oral Session 08

Jp

May 29 (Wed) 15 : 35 ~ 17 : 05

Room 13 (Glass Building 6F G602)

Neuromuscular junction disorders 1

Chair : Tomihiro Imai

National Hospital Organization Hakone Hospital, Japan

O-08-1 The response to initial treatment with efgartigimod for generalized
myasthenia gravis

Masaaki Yoshikawa

Saga university, Division of neurology, Japan

O-08-2 Interim Analyses of Efgartigimod PH20 SC in Participants With gMG
in the ADAPT-SC+ Study

Masanori Takahashi

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

O-08-3 MSE and associated outcomes in AChR-Ab⁺ participants with gMG
receiving efgartigimod in ADAPT/ADAPT⁺

Hiroyuki Murai

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

O-08-4 Efficacy of zilucoplan in gMG without prior Ig or plasma exchange in
RAISE study

Kimiaki Utsugisawa

Department of Neurology, Hanamaki General Hospital, Japan

O-08-5 Predictors of achieving MM or better status in ocular myasthenia
gravis with previous immunotherapy

Tepei Komatsu

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

O-08-6 Burden of high-dose corticosteroid treatment in patients with
myasthenia gravis: A database study

Makoto Samukawa

Department of Neurology, Kindai University Faculty of Medicine, Japan

Motor neuron disease, Cerebellar ataxia, and Parkinsonism

Chair : Fumiaki Tanaka

Department of Neurology and Stroke Medicine, Yokohama City University
Graduate School of Medicine, Japan**O-09-1** FVC-DiP, a novel scale for progression rate of ALS, correlates with CSF and serum neurofilament

Yuko Kobayakawa

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan / Center for Clinical and Translational Research, Kyushu University Hospital, Japan

O-09-2 Changes in the amyotrophic lateral sclerosis patients for the past 11 years at the ALS Center

Masatoshi Ishizaki

NHO Kumamoto Saishun Medical Center Neurology, Japan

O-09-3 Estimation of the efficacy of Leuprorelin acetate on the patients with SBMA based on real-world data

Atsushi Hashizume

Nagoya University Graduate school of medicine, Department of Clinical Research Education, Japan / Nagoya University Graduate school of medicine, Department of Neurology, Japan

O-09-4 Bone Fragility in Spinal and Bulbar Muscular Atrophy

Takahiro Kawase

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

O-09-5 Relationship between serotonin transporter findings and clinical scores in multiple system atrophy

Ryunosuke Nagao

Department of Neurology, Fujita Health University School of Medicine, Japan

O-09-6 Quantitative evaluation of upper limb ataxia with a virtual reality device

Masayuki Sato

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

Cerebrovascular disease 2

Chairs : Law Wan Chung

AOAN Delegate of Malaysia / Sarawak General Hospital, Jalan Hospital, Malaysia

Masatoshi Koga

National Cerebral and Cardiovascular Center, Japan

O-10-1 withdrawn

- O-10-2** Dynamics of Optic Nerve Sheath Diameter in Acute Ischemic Stroke Receiving Endovascular Treatment
Pattarapol Kanjanapitkul
Neurological Institute of Thailand, Thailand
- O-10-3** Stroke Classification/Treatment Support System AI (SCTSS-AI) for usefulness of strokedagnosis
Nobukazu Miyamoto
Department of Neurology, Juntendo University School of Medicine, Japan
- O-10-4** Temporal changes in BNP levels predict paroxysmal atrial fibrillation in acute ischemic stroke cases
Akihiro Kitamura
Department of Neurology, Clinical Neuroscience Research Unit, Molecular Neuroscience Research Center, Shiga University of Medical Science, Japan / Department of Neurology, Shiga University of Medical Science, Japan
- O-10-5** The association between the atherosclerotic stenosis of MCA and regional geometric morphology
Yujia Yang
West China Hospital of Sichuan University, China
- O-10-6** The length of the falx cerebri and anterior cerebral artery dissection: a case-control study
Shuhei Egashira
Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Japan / Department of Neurology, National Cerebral and Cardiovascular Center, Japan

O-11 Oral Session 11**Jp**

May 30 (Thu) 8:00 ~ 9:00

Room 02 (B Block 7F Hall B7 (1))

Cerebrovascular disease 3Chair : Takeshi Hayashi
Saitama Medical University International Medical Center, Japan

- O-11-1** Subtle motor impairment is associate with mortality and functional outcome in small-vessel disease
Megumi Hosoya
Tokyo Women's Medical University, Japan
- O-11-2** Clinical and imaging features of ABCC6-related cerebral small vessel disease in Japan
Sho Kitahara
Department of Neurology, Brain Research Institute, Niigata University, Japan
- O-11-3** Correlation between glucose fluctuation and cerebral small vessel disease
Soya Iwamoto
National Cerebral and Cardiovascular Center Department of Neurology, Japan

O-11-4 CSF Biomarkers in Intracerebral Hemorrhage: Correlations in Boston and Edinburgh Diagnostic Criteria

Shuhei Ikeda

Division of Neurology, Department of Internal Medicine, Faculty of Medicine, Saga University, Japan / Department of Neurology, Kansai Medical University, Japan

O-12 Oral Session 12

Jp

May 30 (Thu) 8:00 ~ 9:00

Room 03 (B Block 7F Hall B7 (2))

Dementia 2

Chair : Ryoko Ihara

Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan

O-12-1 Efficacy and Safety of Donanemab in Overall and Japanese Patients with Early Symptomatic AD

Shoichiro Sato

Eli Lilly Japan, K.K., Kobe, Japan

O-12-2 The relationship between cerebral white matter lesions and CSF biomarkers in Alzheimer's disease

Kazuya Igarashi

Department of Molecular Genetics, Brain Research Institute, Niigata University, Japan / Department of Neurology, Brain Research Institute, Niigata University, Japan

O-12-3 Development of 3D virtual reality navigation task to detect the initial stage of Alzheimer's disease

Sayuri Shima

Department of Neurology, Fujita Health University School of Medicine, Japan

O-12-4 Results of Armstrong criteria indications for cases showing clinical signs of CBD

Ryuta Morihara

Departments of Neurology, Okayama University, Japan

O-13 Oral Session 13

AOCN2024 En

May 30 (Thu) 8:00 ~ 9:00

Room 04 (B Block 5F Hall B5 (1))

Cerebellar ataxia

Chairs : Yoshitaka Nagai

Department of Neurology, Kindai University Faculty of Medicine, Japan

Jun Mitsui

Department of Precision Medicine Neurology, the University of Tokyo, Graduate School of Medicine, Japan

O-13-1 Investigation of the pathomechanism of KCND3-related spinocerebellar ataxia 19/22

Cheng-tsung Hsiao

Department of Neurology, VGHTPE, Taiwan / Brain Research Center, NYCU, Taiwan

O-13-2 Function of NOP56 is essential for mammalian development and maintenance of cerebellar mobility

Kosuke Matsuzono

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

O-13-3 Natural history of idiopathic cerebellar ataxia (IDCA): 2-year follow-up study

Akira Matsushima

Shinshu University School of Medicine Department of Medicine (Neurology & Rheumatology), Japan

O-13-4 Establishment of a registry for autoimmune cerebellar ataxia and an assay system of autoantibodies

Shintaro Fujii

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

O-14 Oral Session 14

Jp

May 30 (Thu) 8:00 ~ 9:00

Room 05 (B Block 5F Hall B5 (2))

Neurogenetics, Metabolic disorders, and Tumor

Chair : Kazumasa Saigoh

Kindai University Hospital Clinical Genetics, Japan

O-14-1 Preimplantation genetic testing (PGT-M) for neuromuscular disorders at our clinic

Yoshiharu Nakaoka

IVF Namba Clinic, Japan

O-14-2 Clinical findings and long-term course of nine cases of Neurological-type Wilson's disease

Akihito Hao

Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan /
Department of Neurology, Mitsui Memorial Hospital, Japan

O-14-3 The examination of diagnostic markers for primary central nervous system lymphoma

Naoto Suzuki

tokai university, Japan

O-14-4 Importance of Early Diagnosis of Meningeal Carcinomatosis due to Lung Cancer

Midori Watanabe

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

Parkinsonism and Related disorders 2

Chairs : Sarangerel Jambal

AOAN Delegate of Mongolia / Reflex Neurological Clinic, Mongolia

Shigeki Hirano

Department of Neurology, Graduate School of Medicine, Chiba University,
Japan**O-15-1 Characteristics of mood disorders associated with cardiac sympathetic denervation in PD**

Tomoko Totsune

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

O-15-2 Dopamine transporter imaging predicts aspiration in patients with Parkinson's disease

Jun Tanimura

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry (NCNP), Japan / Department of Neurology, Aizawa Hospital, Japan

O-15-3 Widespread cortical microstructural changes in early Parkinson's disease revealed by T1w/T2w ratio

Kenji Yoshimura

Department of Neurology, Osaka City General Hospital, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan

O-15-4 In-vivo brainstem volumetry in iRBD underpinned by a high-resolution ex-vivo MRI atlas

Masakazu Hirose

Department of Neurology, Kyoto University Graduate School of Medicine, Japan / Department of Integrated Neuroanatomy and Neuroimaging, Kyoto University Graduate School of Medicine, Japan

Epilepsy

Chairs : Youssef Al-Said

AOAN Delegate of Saudi Arabia / King Faisal Specialist Hospital & Research Centre, Saudi Arabia

Naoki Akamatsu

International University of Health and Welfare School of Medicine,
Department of Neurology, Japan**O-16-1 Pure amnesic seizure is caused by epileptic discharges involving bilateral mesial temporal lobes**

Norihiko Kawaguchi

National Epilepsy Center, NHO Shizuoka Institute of Epilepsy and Neurological Disorders, Japan

O-16-2 Face-saving in patients with idiopathic generalized epilepsy:
a matched multicenter study
Shuichiro Neshige
Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School of
Biomedical and Health Sciences, Japan

O-16-3 OPTIMIZING EPILEPSY SELF-MANAGEMENT BY
EDUCATIONAL PROGRAM IN VIETNAM:
A RANDOMIZED CONTROLLED TRIAL
Minh-an T. Le
University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam / Nguyen Tri Phuong
Hospital, Vietnam

O-16-4 Clinical presentation of 32 cases from 22 families newly diagnosed
with BAFMEI
Miho Kawabe Matsukawa
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan / Staff
Wellness Consulting Room, The University of Tokyo Hospital, Japan

O-17 Oral Session 17

AOCN2024 En

May 30 (Thu) 8:00 ~ 9:00

Room 08 (D Block 1F Hall D1)

Neuroinfection 1

Chairs : Ryuji Kubota
Joint Research Center for Human Retrovirus Infection, Kagoshima University,
Japan
Yoshiharu Miura
Department of Neurology, Tokyo Metropolitan Komagome Hospital, Japan

O-17-1 Clinical Profile and Outcomes of Tetanus Patients in the Philippines:
A ten-year retrospective study
Pamela Danielle T. Lanuza
Division of Adult Neurology, Department of Neurosciences, College of Medicine and Philippine
General Hospital, University of the Philippines Manila, Philippines

O-17-2 Efficacy and safety of intrathecal immunoglobulin administration in
adult patients with tetanus
Jao Jarro B. Garcia
University of the Philippines - Philippine General Hospital, Philippines

O-17-3 A Study in 9 Cases of Progressive Multifocal Leukoencephalopathy
Experienced at Our Hospital
Kodai Kunisada
department of hematology Japanese Red Cross Medical Center, Japan

O-17-4 Development of molecular-targeted drug for HTLV-1-associated
myelopathy (HAM)
Daisuke Kodama
Joint Research Center for Human Retrovirus Infection, Kagoshima University, Division of
Neuroimmunology, Japan / Kagoshima University Graduate School of Medical and Dental
Sciences, Department of Neurology and Geriatrics, Japan

Neuromuscular junction disorders 2

Chair : Masakatsu Motomura

Medical Engineering Course, Department of Engineering, The Faculty of Engineering, Nagasaki Institute of Applied Science, Japan

O-18-1 Lambert-Eaton myasthenic syndrome cases treated with 3,4-diaminopyridine

Kunihiro Ueda

Department of Neurology, The University of Tokyo Hospital, Japan

O-18-2 A Phase III clinical trial of amifampridine (3,4-DAP) in Japanese LEMS patients

Masakatsu Motomura

Medical Engineering Course, Department of Engineering, The Faculty of Engineering, Nagasaki Institute of Applied Science, Japan

O-18-3 Abnormal glucose metabolism affects the outcome of myasthenia gravis

Manato Yasuda

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

O-18-4 Neuromuscular complications caused by immune checkpoint inhibitors

Tomoko Noda

Department of Neurology, Ichinomiya Municipal Hospital, Japan

Headache and Clinical neurophysiology

Chairs : Arnold Angelo M. Pineda

AOAN Delegate of Philippines / Greencity Medical Center, Philippines

Muneto Tatsumoto

Dokkyo Medical University Hospital Headache Center Medical Safety Management Center, Japan

O-19-1 COMPARISON OF HEADACHE CHARACTERISTICS IN PATIENTS WITH AND WITHOUT AUTOIMMUNE DISEASE

Elizabeth Albertin

Department of Neurology, Faculty of Medicine, Universitas Indonesia - Dr. Cipto Mangunkusumo Hospital, Indonesia

O-19-2 Atogepant for the Preventive Treatment of Migraine in Japanese Participants: Interim Analysis

Toshimasa Yamamoto

Department of Neurology, Saitama Medical University, Japan

O-19-3 REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN THE TREATMENT OF CHRONIC DAILY HEADACHES

Tuan-anh Nguyen
Van Hanh Medical Center, Vietnam

O-19-4 Evaluation of upper lumbar neural activity using magnetoneurography

Hisato Higashikawa
Department of Orthopedic Surgery, Tokyo Medical and Dental University, Japan

O-20 Oral Session 20

AOCN2024 En

May 30 (Thu) 8:00 ~ 9:00

Room 11 (Glass Building 4F G402)

Neuropathology

Chairs : Tai Ngoc Tran
AOAN Delegate of Vietnam / University of Medicine and Pharmacy at Ho Chi Minh City, Vietnam
Akiyoshi Kakita
Brain Research Institute, Niigata University, Japan

O-20-1 SNCA transcription in synucleinopathy

Tomoya Kon
University of Toronto, Canada / Hirosaki University, Japan

O-20-2 Tau filaments with the chronic traumatic encephalopathy fold in Guam and Kii ALS/PDC

Yasumasa Kokubo
Graduate School of Regional Innovation Studies, Mie University, Japan

O-20-3 3D characteristics of amyloid deposition in CAA:

It extends from the cerebral surface

Hideki Hayashi
Department of Pathology, Brain Research Institute, Niigata University, Japan / Department of Neurology, Brain Research Institute, Niigata University, Japan

O-20-4 Pathological profiling of pro-hemorrhagic CADASIL due to NOTCH3 p.R75P mutation

Hiroyuki Ishiyama
Department of Neurology, National Cerebral and Cardiovascular Center, Japan

Neurorehabilitation

Chairs : Naoki Wada

Department of Rehabilitation Medicine Gunma University Graduate School of
Medicine, Japan

Masahito Mihara

Kawasaki Medical School, Japan

- O-21-1** Somato-Cognitive Coordination Therapy Enhances Physical Functions
in Chronic Post-Stroke Hemiplegia

Tatsuya Fujii

Department of Neurology and Orthopedics, Anchor Clinic Funabori, Japan

- O-21-2** Multicenter RCT investigating the effect of NIRS-mediated
neurofeedback on post-stroke gait recovery

Masahito Mihara

Department of Neurology, Kawasaki Medical School, Japan

- O-21-3** Effects of Robot-assisted treatment on gait ability and quality of life in
ALS patients

Takehisa Hirayama

Department of Neurology, Toho University Faculty of Medicine, Japan

- O-21-4** Rehabilitation therapy for Guillain-Barré Syndrome

Junko Ikeda

Department of Neurology, Hiroshima city Rehabilitation Hospital, Japan

O-22 Oral Session 22**Neuroimmunology 2**

Chair : Akio Kimura

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

- O-22-1** Validation of the adequacy of the International MOGAD Panel
proposed criteria

Naoki Yamamoto

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

- O-22-2** Evaluation of the utility of the diagnostic criteria of autoimmune
cerebellar ataxia

Akira Takekoshi

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

- O-22-3** Isaacs syndrome in Japanese nationwide survey

Naoko Matsui

Department of Neurology, Tokushima University Graduate School of Biomedical Sciences, Japan

- O-22-4 Development of severity criteria for acute neuro-Behcet's disease
Shunsei Hirohata
Nobuhira Hospital, Japan / Teikyo University School of Medicine, Japan / Kitasato University School of Medicine, Japan

O-23 Oral Session 23

Jp

May 30 (Thu) 8:00 ~ 9:00

Room 14 (Glass Building 6F G610)

Muscle diseases 1

Chair : Tsuyoshi Matsumura
NHO Osaka Toneyama Medical Center, Japan

- O-23-1 The long-term observation of cardiomyopathy in patients with Duchenne muscular dystrophy
Akiko Fujimoto
NHO Kumamoto Saishun Medical Center, Japan

- O-23-2 The relationship between age at loss of walking ability and aortic diameter in muscular dystrophy
Yuichiro Ohya
Division of Neurology, NHO Okinawa Hospital, Japan

- O-23-3 Challenges in the Diagnosis of Immune-Mediated Necrotizing Myopathy: Focus on EULAR/ACR Criteria
Shogo Komaki
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

- O-23-4 Characteristics of diaphragmatic dysfunction in immune checkpoint inhibitors induced myositis
Yushi Watanabe
Department of Neurology, Kobe University School of Medicine, Japan

O-24 Oral Session 24

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 01 (C Block 4F Hall C)

Parkinsonism and Related disorders 3

Chairs : Hidemoto Saiki
Parkinson's Disease Advanced Therapy Center, Aichi Medical University, Japan
Kenjiro Ono
Department of Neurology, Kanazawa University Graduate School of Medical Sciences, Japan

- O-24-1 Potential altered lysosomal enzyme dynamics in lymphocyte-to-blood transfer in Parkinson's disease
Yasuaki Mizutani
Department of Neurology, Fujita Health University School of Medicine, Japan

- O-24-2** Lower Fat Mass in Parkinson's Disease:
Indicative of a Metabolic Fuel Shift
Atsushi Higashi
Department of Neurology, Fujita Health University School of Medicine, Japan
- O-24-3** Peripheral immune profile in de novo Lewy body diseases
Tadashi Umehara
Department of Neurology, The Jikei University School of Medicine, Japan
- O-24-4** Nigral dopamine metabolites and alpha-synuclein are correlated
during nigral electrical stimulation
Tatsuya Yamamoto
Department of Rehabilitation Sciences, Chiba Prefectural University of Health Sciences, Japan /
Department of Neurology, Graduate School of Medicine, Chiba University, Japan
- O-24-5** Analysis of sleep architecture in alpha-synuclein inoculation mice into
the olfactory bulb
Takeo Nakayama
Department of Neurology Kyoto University Graduate School of Medicine, Japan
- O-24-6** Can the peripheral sweat testing differentiate Parkinsonian disorders?
Takahiro Shimizu
Division of Neurology, Department of Brain and Neurosciences, Faculty of Medicine, Tottori
University, Japan

O-25 Oral Session 25**Jp**

May 31 (Fri) 8:00 ~ 9:30

Room 02 (B Block 7F Hall B7 (1))

Neuroimmunology 3

Chair : Takahiro Iizuka

Department of Neurology, Kitasato University School of Medicine, Japan

- O-25-1** Clinical Characteristics of anti-mGluR1 Encephalitis in Japan
Nobuaki Yoshikura
Department of Neurology, Gifu University Graduate School of Medicine, Japan
- O-25-2** Characteristics of anti-NMDA receptor encephalitis in Japan
- National epidemiological survey -
Etsuji Saij
Department of Neurology, Brain Research Institute, Niigata University, Japan
- O-25-3** Clinical significance of HIS score to estimate CSF GluN1 antibody
titer with one-time immunostaining
Masaki Iizuka
Department of Neurology, Kitasato University School of Medicine, Japan
- O-25-4** Clinical immunological investigations in patients with anti-GABA(A)
receptor encephalitis in Japan
Tomomi Iwami
Department of Neurology, Kitasato University School of Medicine, Japan

O-25-5 Prevalence and clinical features of anti-LGI1 encephalitis in a Japanese nationwide survey

Izumi Kawachi

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

O-25-6 Clinical Features of Autoimmune Epilepsy from a Multicenter Observational Study in Japan

Maya Tojima

Department of Neurology/Epilepsy, Movement Disorders and Physiology, Kyoto University Graduate School of Medicine, Japan

O-26 Oral Session 26

Jp

May 31 (Fri) 8:00 ~ 9:30

Room 03 (B Block 7F Hall B7 (2))

Cerebrovascular disease 4

Chair : Kazuo Yamashiro

Department of Neurology, Juntendo University Urayasu Hospital, Japan

O-26-1 Branch atheromatous disease with cardiac source of embolus in TOAST criteria is unfavorable outcome

Juri Nomoto

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

O-26-2 Heart failure after acute ischemic stroke and major cardiovascular events

Yohei Tateishi

Department of Neurology and Strokology, Nagasaki University Hospital, Japan

O-26-3 Association of CYP2C19 variants with recurrent ischemic events in acute stroke; NCVG Genome Registry

Takeshi Yoshimoto

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

O-26-4 Twenty-year trend in prevalence and outcome of diabetes in acute ischemic stroke

Kaori Miwa

Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Japan

O-26-5 The feature of large vessel occlusion patients transferred directly or indirectly in Northern Kyoto

Ryota Ueda

Department of Neurology, National Hospital Organization Maizuru Medical Center, Japan

O-26-6 Fractures in stroke patients

Yoshinari Nagakane

Department of Neurology, Kyoto Second Red Cross Hospital, Japan

Cerebrovascular disease 5

Chair : Shigeru Fujimoto

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

- O-27-1** The efficient Af alarm system on ECG during the hospitalization due to diagnose cardioembolic stroke

Jun Togashi

Tokai University School of Medicine Department of Neurology, Japan

- O-27-2** study of 60 patients with implantable electrocardiograph implanted for cryptogenic stroke

Hitoshi Kawano

saiseikaisigaken hospital, Japan

- O-27-3** Characteristics of cardiogenic cerebral embolism with cerebral microbleeds and atrial fibrillation

Keizo Yasui

Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital, Japan

- O-27-4** Microembolic signals during percutaneous PFO closure evaluated by ultrasound attached to the neck

Hidetaka Mitsumura

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

- O-27-5** Association of TCD microembolic signal with short-term mortality in acute stroke and active cancer

Sono Toi

Department of Medicine, Tokyo Women's Medical University, Adachi Medical Center, Japan

- O-27-6** Association of PITX2 gene, atrial fibrillation, and cardioembolism in patients with Japanese stroke

Takashi Shimoyama

Department of Neurology, Nippon Medical School, Japan

Peripheral neuropathy 1

Chair : Hidenori Ogata

Kyushu University Hospital, Japan

- O-28-1** Cranial nerve involvement in Japanese GBS and GBS variant

Yuko Yamagishi

Department of Neurology, Kindai University, Faculty of Medicine, Japan

- O-28-2** Sulfatide-related IgG antibodies in Guillain-Barré syndrome

Atushi Terayama

Department of Neurology, Kindai University Faculty of Medicine, Japan

- O-28-3 **Clinical significance of snRNP antibodies in Guillain-Barré syndrome**
Fumitaka Shimizu
 Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Japan
- O-28-4 **Clinical characteristics and effective therapeutics for GBS caused by CMV infection**
Kensaku Yanai
 Department of Neurology, Tokyo Medical and Dental University Hospital, Japan
- O-28-5 **CLINICAL AND IMMUNOLOGICAL STUDY ON EARLY DIFFERENTIATION OF A-CIDP AND GBS**
Masaomi Yamamoto
 Department of Neurology, Saitama Medical Center, Saitama Medical University, Japan
- O-28-6 **Progress report on the CIDP Registry in Japan (Japan Neuro-Immunology Association: JANIMA)**
Yuya Aotsuka
 Department of Neurology, Chiba University, Japan

O-29 Oral Session 29

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 06 (D Block 7F Hall D7)

Motor neuron disease 1

Chairs : Hirofumi Maruyama
 Hiroshima University, Japan
Ryoichi Nakamura
 Department of Neurology, Aichi Medical University, Japan

- O-29-1 **Inositol pyrophosphate IP7 elevation in the spinal cord in amyotrophic lateral sclerosis**
Eiichiro Nagata
 Department of Neurology, Tokai University School of Medicine, Japan
- O-29-2 **CGG repeat expansion in LRP12 in amyotrophic lateral sclerosis**
Kodai Kume
 Department of Molecular Epidemiology, Research Institute for Radiation Biology and Medicine, Hiroshima University, Japan
- O-29-3 **ALS-associated RNA-binding proteins and REST converge on UNC13A transcription**
Yasuaki Watanabe
 Division of Cell Proliferation, Tohoku University School of Medicine, Japan / Department of Neurology, Tohoku University School of Medicine, Japan
- O-29-4 **Neuronal TDP-43 regulates myelin formation via neurexin 1 mRNA stabilization**
Jiayi Li
 Department of Neurology, Nagoya University Graduate School of Medicine, Japan

O-29-5 Dysregulation of stress granule dynamics by DCTN1 deficiency promotes TDP-43 pathology in ALS/FTD

Tetsuhiro Ueda

Department of Neurology, Kindai University Faculty of Medicine, Japan / Departments of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan / Department of Neurology, Kyoto Prefectural University of Medicine, Japan

O-29-6 Proximity labeling reveals the interactome of mutant FUS under stress recovery

Akiyuki Ohno

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

O-30 Oral Session 30

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 07 (D Block 5F Hall D5)

Neuroimmunology 4

Chairs : Ho Jin Kim

AOAN Delegate of the Republic of Korea / National Cancer Center, Korea, Rep.

Kaori Sakuishi

Teikyo University Chiba Medical Center, Japan

O-30-1 Distinctive Gut Microbiome and Blood Metabolite Profiles in Multiple Sclerosis

Jinzhou Feng

The First Affiliated Hospital of Chongqing Medical University, China

O-30-2 Iguratimod blocks Th17 migration through directly affecting CNS vascular endothelial cells

Satoshi Nagata

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

O-30-3 CLEC16A-driven mitophagy limits disease-promoting astrocyte responses

Atsushi Kadowaki

Department of Neurology, Osaka University School of Medicine, Japan / Ann Romney Center for Neurologic Diseases, Brigham and Women's Hospital, Harvard Medical School, USA

O-30-4 Progression independent of relapse activity in patients with relapsing multiple sclerosis in Japan

Hiroaki Yokote

Department of Neurology, Tokyo Metropolitan Komagome Hospital, Japan / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

O-30-5 Burden of neurological disorders in China, 1990-2019: findings from Global Burden of Disease Study

Hao Junwei

Xuanwu Hospital, Capital Medical University, China / National Center for Neurological Disorders, China

O-30-6 Clinical features of eight cases with Baló's concentric sclerosis
Katsuhisa Masaki
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

O-31 Oral Session 31

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 08 (D Block 1F Hall D1)

Neurogenetics 3

Chairs : Yaeko Ichikawa
Department of Neurology, Kyorin University, Japan
Jun Sone
Institute for medical science and aging, Aichi Medical University, Japan

O-31-1 Personality traits and brain health: a large prospective cohort study
Yaru Zhang
Department of Neurology and Institute of Neurology, Huashan Hospital, Shanghai Medical College, Fudan University, National Center for Neurological diseases, Shanghai, China

O-31-2 Subtype-specific association of mitochondrial DNA copy number with stroke outcomes in 10241 patients
Si Cheng
China National Clinical Research Center for Neurological Diseases, Beijing Tiantan Hospital, Capital Medical University, China

O-31-3 ABO blood type is associated with large artery atherosclerosis stroke via the cholesterol metabolism
Lan Gou
Department of Neurology, Beijing Tiantan Hospital, Capital Medical University, China

O-31-4 Development of a multi-omics database, GeneMap, and its clinical and research-oriented usefulness
Yuji Takahashi
Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

O-31-5 A possible rescue mechanism by recoding nonsense mutation in senile-onset SELENON-related myopathy
Koyo Tsujikawa
Institute for Advanced Research, Nagoya University, Japan / Department of neurology, Nagoya University Graduate School of Medicine, Japan

O-31-6 RFC1 repeat expansions in neuroimmunological and neurodegenerative diseases
Makito Hirano
Kindai University Faculty of Medicine, Department of Neurology, Japan

Neuroinfection 2

Chair : Motohiro Yukitake
Kouhoukai Takagi Hospital, Japan

O-32-1 Study of HIV associated PML and immune reconstitution inflammatory syndrome

Toshiya Matsuda
Department of Neurology, Tokyo Metropolitan Komagome Hospital, Japan

O-32-2 Examination of factors related to the onset of PML in cases of PML with unknown underlying disease

Yoshiharu Miura
Department of Neurology, Tokyo Metropolitan Komagome Hospital, Japan

O-32-3 Do meningeal irritation signs correlate with clinical findings?

Seira Hatake
Nippon Medical School Hospital, Department of Neurology, Japan

O-32-4 Clinical characteristics and functional prognosis of MRI negative myelitis after COVID-19 infection

Motohiro Suzuki
Tokyo medical and dental university hospital neurology, Japan

O-32-5 Natural history of Gerstmann-Sträussler-Scheinker Disease in Saga prefecture

Kohei Suzuyama
Division of Neurology, Department of Internal, Medicine, Saga University Faculty of Medicine, Japan

O-32-6 A review of hereditary prion disease cases experienced in our department

Yuki Taira
Okayama University Hospital, Department of Neurology, Japan

Cognitive dysfunction, Neuroimaging, and Sleep disorders

Chair : Mika Otsuki
Faculty of Health Sciences, Hokkaido University, Japan

O-33-1 Neuroanatomical Basis of Stroke-Induced Dysgraphia: Lesion and Dis-connectome Analysis Study

Takeshi Ito
Department of Neurology and Stroke Medicine, Yokohama City University Hospital, Japan

O-33-2 The Bouba-Kiki effect and its neural basis in patients with primary progressive aphasia

Erena Kobayashi

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

O-33-3 Sub-classification and the symptoms of naPPA

Mika Otsuki

Faculty of Health Sciences, Hokkaido University Graduate School of Health Sciences, Japan

O-33-4 Large-scale study of white matter hyperintensity and lipid metabolism based on brain-dock data

Susumu Mori

Johns Hopkins University, Japan

O-33-5 Usefulness of methionine-PET in differentiating tumefactive demyelinating lesion from brain tumor

Ryotaro Ikeguchi

Department of Neurology, Tokyo Women's Medical University, Japan

O-33-6 Objective sleep was longitudinally associated with brain amyloid burden

Noriyuki Kimura

Department of Neurology, Oita University, Faculty of Medicine, Japan

O-34 Oral Session 34

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 11 (Glass Building 4F G402)

Neuromuscular junction disorders 3

Chairs : Shigeaki Suzuki

Department of Neurology, Keio University School of Medicine, Japan

Shunya Nakane

Department of Neurology, University of Toyama, Japan

O-34-1 Efgartigimod Alfa in generalized myasthenia gravis: Real-world insights from our institution

Kiichi Yanagisawa

Department of Neurology, Seirei Hamamatsu General Hospital, Japan

O-34-2 Myasthenic crisis with invasive thymoma treated with ravulizumab

Anna Suzuki

Department of Neurology, International University of Health and Welfare, Mita Hospital, Japan

O-34-3 Diaphragmatic CMAP amplitude can be a monitoring marker for treatment in MG

Hiroto Suetoh

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

O-34-4 Factors influencing the severity of myasthenia gravis: Comparison of studies in 2006 and 2018

Hiroaki Yoshikawa

Kanazawa University, Japan

Muscle diseases 2

Chairs : Satoshi Yamashita

International University of Health and Welfare Narita Hospital, Japan

Akatsuki Kubota

Department of Neurology, The University of Tokyo, Japan

O-35-1 Quantitative MRI and their relationship to muscle histopathology and clinical function in DMD

Yanyu Lu

Department of Neurology, Peking University First Hospital, China

O-35-2 BMD mouse having severe-form exon deletion showed early muscle degeneration with type-IIa reduction

Daigo Miyazaki

Department of Medicine (Neurology and Rheumatology), Shinshu University School of Medicine, Japan / Intractable Disease Care Center, Shinshu University Hospital, Japan

O-35-3 A novel dysferlin-binding kinase promotes plasma membrane repair of skeletal muscle

Naoko Nakamura

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

O-35-4 COASY variant as a new genetic cause of riboflavin-responsive lipid storage myopathy

Yilei Zheng

The First Affiliated Hospital of Nanchang University, China / Peking University First Hospital, China

O-35-5 Novel TUBA4A Variant Cause Congenital Myopathy with Focal Myofibrillar Disorganization

Yalan Wan

Peking University First Hospital, China

O-35-6 withdrawn**Neurorehabilitation, Headache, etc.**

Chair : Takashi Hasegawa

Atsugi City Hospital, Department of Neurology, Japan

O-36-1 Evaluating post-stroke recovery of ADL using EEG phase synchrony index and machine learning

Teiji Kawano

Neurorehabilitation Research Institute, Morinomiya Hospital, Japan

O-36-2 Characteristics of vacuum swallowing, a swallowing method creating intraesophageal negative pressure

Kenjiro Kunieda

Department of Neurology, Gifu University Graduate School of Medicine, Japan / Department of Rehabilitation Medicine, Hamamatsu City Rehabilitation Hospital, Japan

O-36-3 Clinical characteristics of Long COVID headache

Hisanao Akiyama

Department of Neurology, St. Marianna University School of Medicine, Japan

O-36-4 Clinical study of voice disturbance in neurodegenerative diseases

Rina Hashimoto

Department of Neurology, NHO Higashinagoya National Hospital, Japan

O-36-5 The burden of migraine: Interim baseline findings from TRIUMPH Study for Japanese patients

Daisuke Danno

Tominaga Hospital Headache Center, Japan

O-36-6 How to reduce the load on organ procurement hospitals, especially in neurologists

Michi Kawamoto

Kobe City Medical Center General Hospital Department of Neurology, Japan

O-37 Oral Session 37

AOCN2024 En

May 31 (Fri) 8:00 ~ 9:30

Room 14 (Glass Building 6F G610)

Neuroscience

Chairs : Shigeki Arawaka

Department of Neurology, Osaka Medical and Pharmaceutical University, Japan

Shinsuke Ishigaki

Molecular Neuroscience Research Center, Shiga University of Medical Science, Japan

O-37-1 Decoding HLA-specific regulation of the T cell receptor repertoire in Parkinson's disease

Tatsuhiko Naito

Icahn School of Medicine at Mount Sinai, USA / New York Genome Center, USA / Department of Statistical Genetics, Osaka University, Japan / Laboratory for Systems Genetics, RIKEN, Japan

O-37-2 Immunobiochemical Signature In Encephalomyeloradiculoneuropathy, EMRN

Tatsuro Mutoh

Fujita Health University Hospital, Japan

O-37-3 AEVs regulated by microglia show increased expression of CD9 and CD63 and improve stroke recovery

Chikage Kijima

Department of Neurology, Juntendo University School of Medicine, Japan

O-37-4 Unraveling molecular mechanisms of astrocyte morphology in Alzheimer's disease
Fumito Endo
Department of Physiology, David Geffen School of Medicine, University of California, Los Angeles, USA / Department of Neuroscience and Pathobiology, Research Institute of Environmental Medicine, Nagoya University, Japan

O-37-5 Pathologic changes in NIID are linked to aberrant FUS interaction under hyperosmotic stress
Jianwen Deng
Peking university first hospital, China

O-37-6 S1PR2 inhibition modulates microglial activation pathway in diabetic rats to improve cognition
Dharmendra K. Khatri
National Institute of Pharmaceutical Education and Research Hyderabad, India

O-38 Oral Session 38

AOCN2024 En

June 1 (Sat) 8:00 ~ 9:30

Room 01 (C Block 4F Hall C)

Dementia 3

Chairs : Takeshi Iwatsubo
Neuropathology, University of Tokyo, Japan
Yasuyuki Ohta
Division of Neurology and Clinical Neuroscience, Department of Internal Medicine III, Yamagata University School of Medicine, Japan

O-38-1 Structural dynamics of A β protofibrils and action of lecanemab by high-speed atomic force microscopy
Kenjiro Ono
Department of Neurology, Kanazawa University Graduate School of Medical Sciences, Japan

O-38-2 tRNA-derived fragments function as tau binders, accelerating tau aggregation in Alzheimer's disease
Ami Kobayashi
Ann Romney Center for Neurologic Diseases, Brigham and Women's Hospital and Harvard Medical School, USA

O-38-3 Identifying Modifiable Risk Factors and Their Joint Effect on Dementia risk in the UK Biobank
Yi Zhang
Department of Neurology and Institute of Neurology, Huashan hospital, Fudan university, China

O-38-4 Sleep, physical activity, sedentary behavior, and risk of incident dementia
Shu-yi Huang
Department of Neurology and Institute of Neurology, Huashan Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Shanghai Medical College, Fudan University, Shanghai, China

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Free Papers (Oral)

O-38-5 Clinical phenotypes and CSF phospho-tau in NOTCH2NLC-related neuronal intranuclear inclusion disease
Masanori Kurihara
 Department of Neurology, Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan

O-38-6 A Natural History Study of Prion Diseases for Clinical Trials and Research
Tadashi Tsukamoto
 Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

O-39 Oral Session 39

Jp

June 1 (Sat) 8:00 ~ 9:30

Room 02 (B Block 7F Hall B7 (1))

Parkinsonism and Related disorders 4

Chair : **Satoshi Orimo**
 Kamiyoga Setagaya Street Clinic, Japan

O-39-1 Pareidolia in untreated early-stage Parkinson's disease is associated with poor patient QOL
Masahiro Mimori
 Jikei university of medicine Neurology department, Japan

O-39-2 Elucidation of visual function of Parkinson's disease using information technology
Takashi Uematsu
 Department of Neurology, Nagoya University Graduate School of Medicine, Japan /RIKEN Center for Advanced Photonics Image Processing Research Team, Japan

O-39-3 Pareidolia of Parkinson's is correlated with gray matter atrophy of orbitofrontal and temporal gyrus
Masakazu Ozawa
 Department of Neurology, The Jikei University School of Medicine, Japan / Division of Regenerative Medicine, Japan

O-39-4 A study of pain threshold and its characteristics in Parkinson's disease
Hitoshi Kawasaki
 Department of Neurology, Saitama Medical University, Japan

O-39-5 A real world data of the adherence patterns of istradefylline in Parkinson's disease patients
Etsuro Nakanishi
 Department of Neurology, Graduate School of Medicine, Kyoto University, Japan

O-39-6 Impact of GBA1 mutation on the functional brain network in Parkinson's disease
Wataru Sako
 Department of Neurology, Juntendo University School of Medicine, Japan

Cerebrovascular disease 6

Chair : Yasuyuki Iguchi

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

O-40-1 Usefulness of first-line imaging using contrast-enhanced whole body CT in acute ischemic stroke

Kazuki Kimoto

Department of Stroke Medicine, Kawasaki Medical School, Japan

O-40-2 Clinical usefulness of SWI for dissection of vertebra-basilar artery system

Yoshitaka Nakayama

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

O-40-3 The association between the enterotype of gut microbiota and stroke findings

Toshiyasu Ogata

Japanese Red Cross Fukuoka Hospital, Japan / Department of Neurology, Fukuoka University Hospital, Japan

O-40-4 Characteristics of patients with ghost infarct core evaluated by CTP

Nobuaki Yamamoto

Department of Neurology, Tokushima University Hospital, Japan

O-40-5 Clinical characteristics of young adult stroke with benign gynecologic disease

Tomoko Okazaki

Department of Stroke Medicine, Kawasaki Medical School, Japan

O-40-6 Primary ventricular hemorrhage: clinical characteristics and outcomes

Yoshito Arakaki

Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Suita, Osaka, Japan / Department of Neurology, National Cerebral and Cardiovascular Center, Suita, Osaka, Japan

Neuroimmunology 5

Chairs : Yuji Nakatsuji

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

Yuko Shimizu

Dep. of Medical Safety and Dep. of Neurology Tokyo Women's Medical University, Japan

O-41-1 The pathology of MCAM-positive TH17/Tc17 cells in neuromyelitis optica spectrum disorder lesions**Fumihiro Yanagimura**

Department of Neurology, Brain Research Institute, Niigata University, Japan / Department of Neurology, NHO Niigata National Hospital, Japan

O-41-2 Cerebrospinal fluid contactin-1 levels in patients with neuromyelitis optica spectrum disorders**Takayuki Fujii**

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

O-41-3 Different activation pattern of late complement pathway in the CSF between MOGAD and AQP4+NMOSD**Kimihiko Kaneko**

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

O-41-4 Exosome connexin 43-truncated isoforms, 29k and 11k, respectively relate to mitigation of MS and NMO**Jun-ichi Kira**

Department of Neurology, Brain and Nerve Center, Fukuoka Central Hospital, International University of Health and Welfare, Japan / Translational Neuroscience Research Center, Graduate School of Medicine, International University of Health and Welfare, Japan / School of Pharmacy at Fukuoka, International University of Health and Welfare, Japan

O-41-5 Linking Infections, Mitochondrial Dysfunction, and Neuroinflammation**Davide Cossu**

Juntendo University, Japan / Sassari University, Italy

**O-41-6 Infliximab in Neurosarcoidosis:
A Systematic Review and Meta-analysis****Siwakorn Chaiyanarm**

Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand

Epilepsy and Clinical neurophysiology

Chair : Satoshi Kodama

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

O-42-1 Detecting seizure focus by subtraction of ictal-interictal ASL images co-registered to MRI (SIACOM)

Tatsuya Sato

Department of Neurology, Brain Attack Center Ota Memorial Hospital, Japan

O-42-2 Clinical characteristics of refractory status epilepticus with deterioration in functional score

Takuma Kato

The Department of Neurology and Stroke Treatment, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto, Japan

O-42-3 Three Cases Presenting with Non-convulsive Status Epilepticus Associated with CAR-T Cell Therapy

Takahiko Mukaino

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

O-42-4 Visualization and physiological characteristics of muscle activity currents using magnetoneurography

Kentaro Nakayama

Department of Neurology, Kansai Medical University, Japan

O-42-5 Quantitative and Noninvasive Evaluation of Amyotrophic Lateral Sclerosis by Ultrasound Elastography

Kaori Yanagawa

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

O-42-6 Muscle ultrasound detects fasciculations in a greater number of muscles in ALS diagnosed early

Kota Bokuda

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

Motor neuron disease 2

Chairs : Makito Hirano

Kindai University Faculty of Medicine, Department of Neurology, Japan

Akihiro Hashiguchi

Kagoshima University Hospital, Neurological Disease Center, Neurology,
Japan**O-43-1 Safety and Clinical Effects of Muse Cells in Patients with Amyotrophic Lateral Sclerosis**

Toru Yamashita

Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and
Pharmaceutical Sciences, Japan**O-43-2 Role of regulatory T cells in the pathogenesis of amyotrophic lateral sclerosis (ALS)**

Seichi Nagano

Department of Neurotherapeutics, Osaka University Graduate School of Medicine, Japan /
Department of Neurology, Osaka University Graduate School of Medicine, Japan**O-43-3 Low parvalbumin in CSF is the first promising histopathology-related biomarker for sporadic ALS**

Shintaro Hayashi

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu
University, Japan / Department of Neurology, Gunma Rehabilitation Hospital, Japan**O-43-4 Increased synaptic gene expression in oligodendrocytes in spinal and bulbar muscular atrophy**

Madoka Iida

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

O-43-5 Development of a novel, rapid and easy-to-use SMA screening kit

Masaki Hirano

Tokai Central Hospital, Japan / Craif Inc., Japan

O-43-6 Treatment of neonatal synaptic abnormalities rescues polyQ-mediated neuronal pathology in SBMA mice

Tomoki Hironagi

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

Peripheral neuropathy 2

Chairs : Haruki Koike

Division of Neurology, Department of Internal Medicine, Saga University
Faculty of Medicine, Japan

Motoi Kuwahara

Department of Neurology, Kindai University Faculty of Medicine, Japan

O-44-1 Characterization of nodopathy with IgG4 anti-contactin-1 antibodies through a larger cohort in Japan

Hidenori Ogata

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

O-44-2 ADHERE: Efficacy and Safety of Efgartigimod in Chronic Inflammatory Demyelinating Polyneuropathy

Satoshi Kuwabara

Department of Neurology, Graduate School of Medicine, Chiba University, Japan / ADHERE Investigator Study Group, Belgium

O-44-3 Neuropathic Pain Profiles of Patients with Chronic Pain at The Pain Clinic: A Cross-Sectional Study

Henry R. Sofyan

Department of Neurology, Faculty of Medicine, Universitas Indonesia - Dr. Cipto Mangunkusumo Hospital, Indonesia

O-44-4 Nerve conduction features as a diagnostic biomarker for neuronal intranuclear inclusion disease

Kang-yang Jih

Department of Neurology, Taipei Veterans General Hospital, Taiwan / Department of Neurology, National Yang Ming Chiao Tung University School of Medicine, Taiwan / Department of Physiology, National Yang Ming Chiao Tung University School of Medicine, Taiwan

O-44-5 Efficacy of pyruvate against cell culture and murine models of diabetic neuropathy

Kazunori Sango

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

O-44-6 Characteristics of clinical findings and distribution of galectin-10, a marker of neuropathy in EGPA

Hiroki Takeuchi

Department of Neurology, NHO Minami Kyoto Hospital, Japan / Department of Clinical Research, NHO Minami Kyoto Hospital, Japan

Parkinsonism and Related disorders 5

Chairs : Kazuko Hasegawa

Department of Neurology, NHO, Sagami-hara National Hospital and research center, Japan

Kazushi Takahashi

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

O-45-1 The results of behavioral and pathological analyses of bassoon knock-in mice

Daiki Tanaka

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

O-45-2 Clinical sign and course predicting background pathology in corticobasal syndrome

Ikuko Aiba

Department of Neurology, NHO Higashinagoya National Hospital, Japan

O-45-3 CBD-type tau fibrils amplified in non-astrocytic cells recapitulate CBD pathology in mice

Daisuke Taniguchi

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

O-45-4 Data-driven neuropathological staging and subtyping of multiple system atrophy

Hiroaki Sekiya

Mayo Clinic, USA / Kobe University Graduate School of Medicine, Division of Neurology, Japan

O-45-5 Restrictive pulmonary dysfunction in multiple system atrophy and progressive supranuclear atrophy

So Okubo

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

O-45-6 Preserved cerebellar perfusion on ASL imaging is a biomarker to differentiate non-MSA from MSA

Yuki Kitazaki

Second Department of Internal Medicine, Faculty of Medical Sciences, University of Fukui, Japan

Peripheral neuropathy 3

Chair : Michiaki Koga

Yamaguchi University Graduate School of Medicine, Japan

O-46-1 Complement activity in anti-MAG antibody-associated neuropathy and novel therapeutic

Yuki Fukami

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

- O-46-2** Efficacy and safety of monoclonal antibodies for POEMS syndrome
Tomoki Suichi
Department of Neurology, Graduate School of Medicine, Chiba University, Japan
- O-46-3** Downregulation of Hsfl induces variant TTR aggregates in repair Schwann cells
Tatsufumi Murakami
Department of Neurology, Kawasaki Medical School, Japan / Faculty of Rehabilitation, Kawasaki University of Medical Welfare, Japan
- O-46-4** Diagnosis delay factors of EGPA-associated neuropathy
Kenji Isahaya
Department of Neurology, St. Marianna University School of Medicine, Japan
- O-46-5** Nerve sonography and pathology in patients with alcoholic neuropathy
Toshiyuki Hayashi
Nippon Medical School Hospital, Japan
- O-46-6** Small fiber neuropathy of diabetes: A-delta and C-fiber dysfunction
Masayuki Baba
Department of Neurology, Aomori Prefectural Central Hospital, Japan

O-47 Oral Session 47

AOCN2024 En

June 1 (Sat) 8:00 ~ 9:30

Room 11 (Glass Building 4F G402)

Neuroimaging

Chairs : Masahiko Suzuki
The Jikei University School of Medicine Department of Rehabilitation, Japan
Takaaki Hattori
Tokyo Medical and Dental University, Department of Neurology, Japan

- O-47-1** Functional analysis of human hand motor control using simultaneous brain and spinal cord fMRI
Ryo Tokimura
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan / Department of Advanced Neuroimaging, Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, Japan
- O-47-2** White matter changes of non-lesional white matter in inflammatory demyelinating disorders
Haruhiko Motegi
Department of Neurology, Keio University School of Medicine, Japan / Department of Neurology, The Jikei University School of Medicine, Japan
- O-47-3** Relative occipital hypoperfusion distinguishes anti-NMDAR encephalitis from other disorders
Hideo Handa
Department of Neurology, Graduate School of Medicine, Chiba University, Japan

O-47-4 Altered brain connectedness in amyotrophic lateral sclerosis:
new functional biomarker

Takaaki Hattori

Tokyo Medical and Dental University, Department of Neurology, Japan

O-47-5 Progression and distribution pattern of cerebral amyloid angiopathy
in hereditary ATTR amyloidosis

Yusuke Takahashi

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

O-47-6 Muscle CT distinguishes type IIIb spinal muscular atrophy from
other neuromuscular diseases

Takashi Ayaki

Kyoto University Hospital, Japan

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