

Understanding Aging and Neuromuscular Disease from the Perspective of Disruption of the Autophagy-Lysosomal Pathway

Chairs : Hitoshi Shimada

Department of Functional Neurology & Neurosurgery, Center for Integrated Human Brain Science, Brain Research Institute, Niigata University, Japan

Kensuke Ikenaka

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

S-01-1 Autophagy; The Guardian Of Cells Against Diseases And Aging

Tamotsu Yoshimori

Graduate School of Medicine, Osaka University, Japan

S-01-2 Maintenance of lysosomal homeostasis by autophagy and its roles in aging and disease

Shuhei Nakamura

Department of Biochemistry, Nara Medical University, Japan

S-01-3 The Role of Astrocyte Mitophagy in Neuroinflammation

Atsushi Kadowaki

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

S-01-4 Autophagy-Lysosomal Pathway Dysfunction in Muscle Diseases

Nobuyuki Eura

Department of Neurology, Nara Medical University, Japan

S-01-5 Autophagy-Lysosomal Pathway Dysfunction in Neurodegenerative Diseases

Keita Kakuda

Osaka University, Department of Neurology, Japan

S-01-6 Development of imaging techniques targeting lysosomal dysfunction

Hitoshi Shimada

Department of Functional Neurology & Neurosurgery, Center for Integrated Human Brain Science, Brain Research Institute, Niigata University, Japan / Advanced Neuroimaging Center, National Institutes for Quantum Science and Technology, Japan

Frontal lobe function in the age of artificial intelligence

Chairs : Aurelio Cortese

ATR Computational Neuroscience Labs, Japan

Shunsuke Kobayashi

Department of Neurology, Teikyo University, Japan

S-02-1 Exploring the Functional Architecture of the Frontal Lobe

Shunsuke Kobayashi

Department of Neurology, Teikyo University, Japan

S-02-2**Frontal Lobe Syndrome****Kazuto Katsuse**

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

S-02-3**Frontal Lobe and Language Function: A Clinical Perspective****Kazuo Kakinuma**

Tohoku University Graduate School of Medicine Behavioral Neurology and Cognitive
 Neuroscience, Japan

S-02-4**Coding and Decoding of Neural Information Processing****Aurelio Cortese**

ATR Computational Neuroscience Labs, Japan

S-02-5**Computational Implementation of Frontal Lobe Functions****Naoya Arakawa**

The Whole Brain Architecture Initiative, Japan

S-03 Symposium 03**Web En**

May 21 (Wed) 9:50 ~ 11:50 Room 07 (Osaka International Convention Center 12F Conference Hall)

Toward an International Consensus on MG TreatmentChairs : **Kimiaki Utsugisawa**

Hanamaki General Hospital, Japan

Hiroyuki Murai

IUHW, Japan

S-03-1**Impact of early fast-acting treatment in myasthenia gravis****Akiyuki Uzawa**

Graduate School of Medicine, Chiba University, Japan

S-03-2**Real-world experience with novel therapeutics in Japan****Mitsuru Watanabe**

Department of Neurology, Kyushu University Hospital, Japan

S-03-3**Chinese Evidence on Biologic Targeted Therapy for Myasthenia Gravis Patients****Chongbo Zhao**

Huashan Rare Disease Center and Department of Neurology, Huashan Hospital, Shanghai
 Medical College, National Center for Neurological Disorders, Fudan University, Shanghai, China

S-03-4**Formulating International Consensus Guidance for Myasthenia Gravis****Pushpa Narayanaswami**

Beth Israel Deaconess Medical Center, USA / Harvard Medical School, USA

S-04 Symposium 04**Jp**

May 21 (Wed) 9:50 ~ 11:50 Room 09 (Osaka International Convention Center 12F Conference Room 1202)

Overcoming Dual Task: Harmonization of motor and cognitive rehabilitation

Chairs : Tadashi Ichikawa

Saitama Prefectural Rehabilitation Center, Japan

Yoshitaka Yamanaka

Division of Community Care and Patient Care Service, Chiba University Hospital, Japan

S-04-1 The history of rehabilitation for dual diagnosis and the future

Yoshitaka Yamanaka

Division of Community Care and Patient Care Service, Chiba University Hospital, Japan /
Urayasu Rehabilitation Education Center, Chiba University Hospital, Japan**S-04-2 Aerobic exercise and cognitive rehabilitation to improve physical and cognitive function in the WMU**

Ken Kouda

Department of Rehabilitation Medicine, Wakayama Medical University, Japan

S-04-3 The effect of cognitive task load on postural control in a cognitive-postural dual task condition

Masahito Mihara

Department of Neurology, Kawasaki Medical School, Japan

S-04-4 Current and future rehabilitation programs aimed at overcoming dual tasks in neurological disorders

Tomoo Mano

Department of Rehabilitation, Nara Prefectural General Medical Center, Japan

Nominal supported by: The Japanese Association of Rehabilitation Medicine

S-05 Symposium 05**Jp**

May 21 (Wed) 9:50 ~ 11:50

Room 14 (RIHGA Royal Hotel Osaka 3F Korin 2)

Current status and future prospects for drug development in neuromuscular diseases

Chairs : Keisuke Suzuki

Innovation Center for Translational Research, National Center for Geriatrics and Gerontology, Japan

Toru Koda

Osaka University Hospital Department of medical Innovation, Japan

S-05-1 Current Status of Drug Development in Japan and Efforts to Address Drug Loss

Manabu Minami

National Cerebral and Cardiovascular Center, Japan / Pharmaceuticals and Medical Devices Agency, Japan

S-05-2 Development of New Therapeutics for Parkinson's Disease through Drug Repositioning

Toru Koda

Osaka University Hospital, Department of Medical Innovation, Japan / Osaka University, Department of Neurology, Japan

S-05-3 Trends in drug development using Real World Data

Harumasa Nakamura

National Center Hospital National Center of Neurology and Psychiatry, Japan

S-05-4 N-of-1+ nucleic acid drug discovery research for ultra-rare and intractable diseases

Hiroya Kuwahara

Department of Neurology and Neurological Science, Institute of Science Tokyo, Japan

S-05-5 Methods for Establishing Appropriate Consent Procedures in Clinical Trials for Stroke

Akiko Ishigami

Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Japan / National Cerebral and Cardiovascular Center, Japan / REFINED-IC Collaborative Research Group, Japan

S-06 Symposium 06

Web Jp

May 21 (Wed) 13:20 ~ 15:20 Room 03 (Osaka International Convention Center 10F Conference Room 1003)

Risk factors for stroke

Chairs : Kazumi Kimura

Nippon Medical school, Japan

Kenichi Todo

Tokyo Women's Medical University, Japan

S-06-1 Unraveling the brain-renal axis in stroke

Kaori Miwa

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

S-06-2 Stroke and Genetics

Shuhei Okazaki

Department of Neurology, NHO Osaka National Hospital, Japan

S-06-3 Stroke and dyslipidemia

Takao Hoshino

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

S-06-4 Stroke and Atrial Fibrillation

Ryosuke Doijiri

Department of Stroke Science, Akita Cerebrospinal and Cardiovascular Center, Japan

S-06-5 Stroke and Patent Foramen Ovale: The Reality of PFO Diagnosis and Closure

Yohei Tateishi

Department of Neurology and Strokeology, Nagasaki University Hospital, Japan

S-06-6**Stroke and Cancer****Hiroyuki Kawano**

Department of Stroke and Cerebrovascular Medicine, Kyorin University, Japan

S-07 Symposium 07**Web En****May 21 (Wed) 13:20 ~ 15:20 Room 07** (Osaka International Convention Center 12F Conference Hall)**New Frontiers in Hereditary Cerebral Small Vessel Disease with Hemorrhage****Chairs : Osamu Onodera**

BRI, Niigata University, Japan

Masafumi Ihara

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

S-07-1**Spatial Distribution of Cerebral Microbleeds Reveals Heterogeneous Pathogenesis in CADASIL****Sung-Chun Tang**

Department of Neurology, National Taiwan University Hospital, Taiwan

S-07-2**Intracerebral hemorrhages in CADASIL****Jay Chol Choi**

Department of Neurology, Jeju National University, Korea

S-07-3**New Disease Concept "Pro-hemorrhagic CADASIL"****Satoshi Saito**

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

S-07-4**Clinical features of cerebral hemorrhage due to COL4A1/2 mutations****Akihiko Ueda**

Department of Neurology, Faculty of Life Science, Kumamoto University, Japan

S-07-5**Hemorrhagic phenotype of cerebral small vessel disease associated with ABCC6 mutations****Sho Kitahara**

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

S-08 Symposium 08**Jp****May 21 (Wed) 13:20 ~ 15:20 Room 08** (Osaka International Convention Center 12F Grande Toque)**Current status and near-future prospects of gene therapy in Japan****Chairs : Yoichi Yamamoto**

Academic Clinical Research Center, Osaka University Hospital, Japan

Mitsuya Morita

Jichi Medical University Hospital, Rehabilitation Center, Japan

S-08-1**Current status and future of gene therapy in Japan****Shin-ichi Muramatsu**

Neurological Gene Therapy, Jichi Medical University, Japan

- S-08-2** **Development of Gene Therapy for ALS**
Mitsuya Morita
 Jichi Medical University Hospital, Rehabilitation Center, Japan
- S-08-3** **Research and development of hematopoietic stem cell gene therapy for Pompe disease**
Hiroshi Kobayashi
 Division of Gene Therapy, Research Center for Medical Sciences, The Jikei University School of Medicine, Japan
- S-08-4** **Gene therapy development for Fukuyama muscular dystrophy**
Tatsushi Toda
 National Center Hospital, National Center of Neurology and Psychiatry, Japan
- S-08-5** **Development Trends and Regulation of Gene Therapy Products**
Takenori Yamamoto
 Gene Therapy section, Division of Molecular Target and Gene Therapy Products National Institute of Health Sciences, Japan

S-09 Symposium 09

Jp

May 21 (Wed) 13:20 ~ 15:20 Room 09 (Osaka International Convention Center 12F Conference Room 1202)

Recent advances in understanding dystonia and other movement disorders

Chairs : Tadataka Kawakami
 Shin-Oyama City Hospital, Japan
 Yuishin Izumi
 Department of Neurology, Tokushima University Graduate School of Biomedical Sciences, Japan

- S-09-1** **Advances in understanding dystonia**
Kazuko Hasegawa
 Division of research center for intractable neurological diseases, NHO Sagami National research center, Japan
- S-09-2** **Pathophysiology of movement disorders: a unified view to understand their pathophysiology**
Satomi Chiken
 National Institute for Physiological Sciences, Japan
- S-09-3** **Current status of the Japan Dystonia Consortium**
Yuishin Izumi
 Department of Neurology, University of Tokushima Graduate School of Biomedical Sciences, Japan
- S-09-4** **Movement disorders in children and genetic analysis**
Michiko Kawai
 Segawa Memorial Neurological Clinic for Children, Japan

S-09-5 Basal ganglia and cerebellum: The evolving surgical treatment of dystonia

Ryoma Morigaki

Department of Advanced Brain Research, Graduate School of Biomedical Sciences, Tokushima University, Japan / Parkinson's disease and Dystonia Research Center, Tokushima University Hospital, Japan / Department of Neurosurgery, Graduate School of Biomedical Sciences, Tokushima University, Japan

S-09-6 Striosome circuitry stimulation inhibits striatal dopamine release and locomotor activity

adapted from
free papers

Taro Okunomiya

Institute for Advancement of Clinical and Translational Science (iACT), Kyoto University Hospital, Japan / Center for iPS Cell Research and Application (CiRA), Kyoto University, Japan / iPSC-based Drug Discovery and Development Team, RIKEN BioResource Research Center (BRC), Japan

S-10 Symposium 10

Web En

May 22 (Thu) 8:00 ~ 9:30 Room 01 (Osaka International Convention Center 5F Large Hall)

DBS or FUS?: Navigating Frontiers for Tremor and PD

Chairs : **Yasushi Shimo**

Juntendo University Nerima Hospital, Japan

Yuta Kajiyama

Department of Neurology, Kawasaki Medical School, Japan

S-10-1 Recent Advances in DBS Devices and Stimulation Methods

Yasushi Shimo

Department of Neurology, Juntendo University Nerima Hospital, Japan

S-10-2 MRgFUS lesioning of the subthalamic nucleus in Japan

Yuta Kajiyama

Department of Neurology, Kawasaki Medical School, Japan

S-10-3 DBS and FUS for Tremor in Japan

Haruhiko Kishima

Department of Neurosurgery, the University of Osaka Graduate School of Medicine, Japan

S-10-4 DBS or FUS. Navigating Frontiers for tremor and Parkinson's Disease. The role of STN

José A. Obeso

HM CINAC (Centro Integral de Neurociencias), Fundación HM Hospitales and HM Puerta del Sur Hospital, Madrid, Spain / Universidad CEU-San Pablo, Madrid, Spain / CIBERNED, Instituto Carlos III, Madrid, Spain

Development of Regeneration-Inducing Medicine

Chairs : Takao Urabe

Department of Neurology, Juntendo University Urayasu Hospital, Japan

Akihiko Taguchi

Foundation for Biomedical Research and Innovation at Kobe, Japan

S-11-1 Scientific background and developmental status of the Tissue Regeneration-Inducing Medicine

Katsuto Tamai

StemRIM Inc., Japan / Osaka University Graduate School of Medicine, Japan

S-11-2 Regeneration-Inducing Medicine for ischemic stroke

Tsutomu Sasaki

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

StemRIM Institute of Regeneration-Inducing Medicine, The University of Osaka, Japan

S-11-3 Cell therapy and regeneration-inducing medicine for Parkinson's disease

Yasuyoshi Kimura

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

S-11-4 Regenerative medicine for the liver

Atsunori Tsuchiya

Department of Gastroenterology and Hepatology, Faculty of Medicine, University of Yamanashi, Japan

Clinical course of pathologically confirmed corticobasal degeneration and corticobasal syndrome ~J-VAC study~

Chairs : Mari Yoshida

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

Ikuko Aiba

Department of Neurology, National Hospital Organization Higashinagoya

National Hospital, Japan

S-12-1 Clinical course and useful findings for diagnosis in pathologically confirmed CBD and CBS

Ikuko Aiba

Department of Neurology, NHO Higashinagoya National Hospital, Japan

S-12-2 Background pathology and clinical characteristics of CBD mimics in Japan

Yuichi Hayashi

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

S-12-3 Neuropathology of corticobasal syndrome**Mari Yoshida**

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

S-12-4 Utility of conventional MRI features for distinguishing pathologically confirmed CBD from its mimics**Keita Sakurai**

Department of Radiology, National Center for Geriatrics and Gerontology, Japan

Nominal supported by: The Japanese Society of Neuropathology

S-13 Symposium 13**Jp**

May 22 (Thu) 8:00 ~ 9:30 Room 04 (Osaka International Convention Center 10F Conference Room 1001-1002)

Pathogenesis of motor neuron disease as unravelled by axonal dysfunction

Chairs : Seichi Nagano

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

Hiroshi Doi

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

S-13-1 Analysis of axonal growth-associated molecules in ALS**Hiroshi Doi**

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

S-13-2 Pathological mechanism of Hereditary spastic paraplegia by abnormal intracellular organelle**Michiko Shirane**

Nagoya City University, Japan

S-13-3 A new mechanism to prevent axonal degeneration in motor neurons**Sumiko Kiryu-Seo**

Nagoya University Graduate School of Medicine, Department of Functional Anatomy and Neuroscience, Japan

S-13-4 Development of neuroprotective therapy by pharmacological inhibition of SARM1**Toshiyuki Araki**

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

Reconsidering Treatment Strategies Based on the Pathophysiology of Headache

Chairs : Noboru Imai

Department of Neurology, Japanese Red Cross Shizuoka Hospital, Japan

Eiji Kitamura

Department of Neurology, Kitasato University School of Medicine, Japan

S-14-1 Strategies for Migraine Treatment Based on the Mechanism of Cortical Spreading Depression

Eiji Kitamura

Department of Neurology, Kitasato University School of Medicine, Japan

S-14-2 Treatment Strategies for Migraine Based on CGRP

Daisuke Danno

Tominaga Hospital Headache Center, Japan

S-14-3 Treatment strategies based on the pathophysiology of tension-type headache

Kumiko Ishizaki

Kaikoukai rehabilitation hospital, Japan

S-14-4 Pathophysiology-based treatment strategies for cluster headache

Noboru Imai

Department of Neurology and Headache Center, Japanese Red Cross Shizuoka Hospital, Japan

The Power to Nurture and the Will to Grow: Essential Knowledge and Tips for Mentoring Young Professionals in the Era of Compliance

Chairs : Makiko Nagai

Department of Neurology, Kitasato University School of Medicine, Japan

Sonoko Misawa Department of Neurology and Neurological Science, Institute of Science Tokyo

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

S-15-1 Harassment vs. Educational Guidance

Chieko Suzuki

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

S-15-2 Management of young doctors in the Reiwa era

Junji Komatsu

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

S-15-3 How to Achieve a Balance Between Work Style Reform and Quality Education?

Nobuyuki Araki

Department of Neurology, Chiba University Graduate School of Medicine, Japan / Community-Oriented Medical Education, Chiba University Graduate School of Medicine, Japan

S-15-4 Self-Development and Education Through Digital Tools: Efficient Information Acquisition and Sharing

Junichiro Ohira

Medixpost, Inc, Japan / Department of Neurology, Kyoto University, Japan

S-16 Symposium 16

Web En

May 22 (Thu) 8:00 ~ 9:30 Room 07 (Osaka International Convention Center 12F Conference Hall)

Computational Neurology: understanding neurodegenerative diseases through mathematics and omics

Chairs : Koji Yamanaka

RleM, Nagoya University, Japan

Yuichiro Yada

Graduate school of medicine, Nagoya University, Japan

S-16-1 Data-driven modeling of neurodegenerative disease progression and its applications

Yuichiro Yada

Laboratory for Data-driven Biology, Nagoya University Graduate School of Medicine, Japan

S-16-2 Computational models toward novel biological mechanisms of tau spread in Alzheimer's disease

Jacob W. Vogel

Department of Clinical Science Malmö, SciLifeLab, Lund University, Sweden

S-16-3 Connectome-Based Modeling of Neurodegenerative Diseases: Strengths, Challenges, and E-I Balance

Hirohisa Watanabe

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

S-16-4 Spatial Transcriptome Analysis in Alzheimer's disease model mice

Okiru Komine

Department of Neuroscience and Pathobiology, Research Institute of Environmental Medicine, Nagoya University, Japan

S-17 Symposium 17

Jp

May 22 (Thu) 8:00 ~ 9:30 Room 08 (Osaka International Convention Center 12F Grande Toque)

Cliniconeurophysiological features of immune-mediated neuropathies: Insights from large Japanese cohorts

Chairs : Norito Kokubun

Department of Neurology, Dokkyo Medical University, Japan

Tomonori Nakamura

Kagoshima university hospital, Japan

S-17-1 Electrophysiology of Guillain-Barré syndrome in the Japanese nationwide survey

Tomoki Suichi

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

S-17-2 Neurophysiological findings of Japanese CIDP patients from a nationwide survey

Kazumoto Shibuya

Department of Neurology, Chiba University Hospital, Japan

S-17-3 Electrophysiological Features of Charcot-Marie-Tooth disease

Chikashi Yano

Department of Neurology, Kagoshima University Hospital, Japan

S-17-4 Electrophysiology and diagnosis of Isaacs syndrome in Japan

Naoko Matsui

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

S-18 Symposium 18

Jp

May 22 (Thu) 8:00 ~ 9:30 Room 09 (Osaka International Convention Center 12F Conference Room 1202)

Perspectives on supporting the healthcare transition for patients with childhood-onset neurological diseases: Toward the promotion of lifelong medical support for the neurological disorders

Chairs : Yoko Mochizuki

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

Toshio Saito

National Hospital Organization Osaka Toneyama Medical Center, Japan

S-18-1 Initiatives in Kanagawa Prefecture

- The Kanagawa Model, a pioneering support version -

Tomihiro Imai

Department of Neurology, National Hospital Organization Hakone Hospital, Japan

S-18-2 The new developments in supporting the health care transition

Yoko Mochizuki

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

S-18-3 Measures for adult transition medicine at the Japanese Society of Child Neurology

Yusaku Miyamoto

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

S-18-4 Promoting adult transition support for patients with pediatric onset neurological diseases

Katsuhisa Ogata

Department of Neurology, National Hospital Organization Higashisaitama Hospital, Japan / Special Committee on Measures for Transition from Pediatric to Adult Health Care, the Japanese Society of Neurology, Japan / Special Committee for Transition from Pediatric to Adult Health Care, the Japanese Society of Medical Networking for Intractable Diseases, Japan

**Nominal supported by: The Japanese Society of Child Neurology /
The Japanese Society of Medical Networking for Intractable Diseases**

Advocacy in Neurology

Chairs : Yoshikazu Ugawa

Fukushima Medical University, Japan

Ritsuko Hanajima

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

S-19-1 Introduction: What is Advocacy?

Yoshikazu Ugawa

Institute of Biomedical Science, Fukushima Medical University, Japan

S-19-2 Initiatives on advocacy of Japanese Society of Neurology

Kazutoshi Nishiyama

Department of Neurology, Kitasato University School of Medicine, Japan

S-19-3 Report on AOAN Young Neurologist Academy Activities and future plans

Rimi Hino

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

Recent advances in treating axial symptoms in Parkinson's disease

Chairs : Masahito Mihara

Kawasaki Medical School, Japan

Yohei Mukai

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

S-20-1 Physiological underpinnings of gait and postural abnormality in Parkinson's disease

Kaoru Takakusaki

Asahikawa Medical University, Japan

S-20-2 Recent advances in non-invasive neuromodulation for gait disturbance in Parkinson's disease

Satoko Koganemaru

Department of Rehabilitation Medicine, Osaka Medical and Pharmaceutical University, Japan

S-20-3 Deep brain stimulation for axial symptoms in Parkinson's disease

Takashi Tsuboi

Nagoya University, Department of Neurology, Japan

S-20-4 Treatment strategy for Camptocormia in Parkinson's disease

Yohei Mukai

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry Hospital, Japan

- S-20-5** **Rehabilitative treatment for axial symptoms in Parkinson's disease**
Margaret Kit Yi Mak
 Department of Rehabilitation Sciences, The Hong Kong Polytechnic University, Hong Kong SAR, China

S-21 Symposium 21

Web Jp

May 22 (Thu) 15:10 ~ 17:10 Room 03 (Osaka International Convention Center 10F Conference Room 1003)

Recent advances in cancer-associated stroke

Chairs : Shigeru Fujimoto
 Division of Neurology, Department of Medicine, Jichi Medical University, Japan
Tsutomu Sasaki
 Osaka University Graduate School of Medicine Dep of Neurology, Japan

- S-21-1** **Stroke Oncology : Importance of Stroke and Oncology Collaboration for Comprehensive Care**
Kazuo Yamashiro
 Department of Neurology, Juntendo University Urayasu Hospital, Japan

- S-21-2** **Stroke Oncology and Academic Societies Collaboration**
Shigeru Fujimoto
 Division of Neurology, Department of Medicine, Jichi Medical University, Japan

- S-21-3** **Topics of onco-cardiology**
Yasushi Sakata
 Dept of Cardiovascular Medicine, The University of Osaka Graduate School of Medicine, Japan

- S-21-4** **Topic of Stroke Oncology**
Yuko Tanabe
 Toranomon Hospital, Japan

- S-21-5** **Pathophysiological mechanisms of stroke oncology**
Tsutomu Sasaki
 Department of Neurology, Graduate School of Medicine, The University of Osaka, Japan /
 StemRIM Institute of Regeneration-Inducing Medicine, The University of Osaka, Japan

- S-21-6** **Cancer and Stroke: Insights from Clinical Research**
Yasufumi Gon
 Department of Neurology, The University of Osaka, Japan / Department of Medical Innovation, Academic Clinical Research Center, The University of Osaka Hospital, Japan / Cancer Control Center, Osaka International Cancer Institute, Japan

Nominal supported by: The Japan Stroke Society

The frontline of microscopy research for neurodegenerative diseases

Chairs : Masato Hasegawa

Department of Brain and Neurosciences, Tokyo Metropolitan Institute of Medical Science, Japan

Goichi Beck

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

S-22-1 Parkinson's disease research using the large synchrotron radiation facility SPring-8

Katsuya Araki

Araki Clinic, Japan

S-22-2 Molecular pathogenesis of neurodegenerative diseases uncovered by cryo-electron microscopy

Airi Tarutani

Tokyo Metropolitan Institute of Medical Science, Japan

S-22-3 High-Speed, High-Resolution Light-Sheet Microscopy for 3D Cellomics in Neurological Disease Research

Tomoki Mitani

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

S-22-4 Basics of Mass Spectrometry Imaging and the application to neurological disease samples

Shuichi Shimma

Graduate School of Engineering, Osaka University, Japan

Alzheimer's disease and related dementias: diagnosis and therapies based on pathophysiology

Chairs : Takeshi Iwatsubo

National Center of Neurology and Psychiatry, Japan

Ryoko Ihara

Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan

S-23-1 Clinical implementation of disease modifying therapies on Alzheimer's disease in Japan

Ryoko Ihara

Department of Neurology, Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan

S-23-2 Emerging roles of fluid biomarkers and genetic testing in the DMT era of Alzheimer's disease

Takeshi Ikeuchi

Brain Research Institute, Niigata University, Japan

S-23-3 Assessing and communicating risk and prognosis in the context of Alzheimer disease

Wiesje van der Flier

Alzheimer center Amsterdam at Amsterdam UMC, Netherlands

S-23-4 Detecting early Alzheimers disease using digital,fluid, and imaging biomarkers: for the GHABS cohort

Tengfei Guo

Institute of Neurological and Psychiatric Disorders, Shenzhen Bay Laboratory, China /Institute of Biomedical Engineering, Shenzhen Graduate School, Peking University, China

S-24 Symposium 24

Jp

May 22 (Thu) 15 : 10 ~ 17 : 10 Room 08 (Osaka International Convention Center 12F Grande Toque)

The way to improve medical support for intractable neurological disease

Chairs : Tetsuo Komori

Tokyo Healthcare University / Tama Rehabilitation Hospital, Japan

Takayoshi Shimohata

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

S-24-1 Medical care of intractable neurological disease and center hospitals for intractable disease

Takafumi Miyachi

NHO Yanai Medical Center, Dep of Neurology, Japan

S-24-2 Telemedicine in Neurological Intractable Diseases

Masaaki Niino

Department of Clinical Research, National Hospital Organization Hokkaido Medical Center, Japan

S-24-3 How to establish patient support systems towards era of novel therapies for neurological diseases

Makoto Urushitani

Department of Neurology, Shiga University of Medical Science, Japan

S-24-4 Collaboration between Neurology and Rehabilitation in treatment of Intractable Neurological Diseases

Yoshino Ueki

Nagoya City University Graduate school of medical science, Department of rehabilitation medicine, Japan

S-24-5 Collaboration with nurses certified by the Japanese Society of Intractable Disease Nursing

Yuki Nakayama

Tokyo Metropolitan Institute of Medical Science, Japan

Nominal supported by: National Reseach Group of Comprehensive Support for Intractable Disease

Neurological diseases with intellectual developmental disorder: pathophysiology and medical treatment

Chairs : Satoko Kumada

Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital,
Japan

Katsuhisa Ogata

Department of Neurology, National Hospital Organization Higashisaitama
Hospital, Japan

S-25-1 Viewing Down Syndrome Across the Lifespan: Beyond Transitional Care

Yasuji Kitabatake

Department of Pediatrics Osaka University Graduate School of Medicine, Japan

S-25-2 Neurodevelopmental Disorders with Intellectual Disabilities: Hereditary Leukodystrophies

Hitoshi Osaka

Jichi Med Univ., Dept of Ped, Japan

S-25-3 The neurological disorder presenting with intellectual disability: Tuberous Sclerosis Complex

Tohru Okanishi

Division of Child Neurology, Brain and Neuroscience, Faculty of Medicine, Tottori University,
Japan

S-25-4 epilepsies and intellectual developmental disorders

Jun Natsume

Department of Developmental Disability Medicine Nagoya University Graduate School of
Medicine, Japan

S-25-5 Clinical management of neurological disorders presenting with intellectual developmental disorders

Miho Osako

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

Nominal supported by: The Japanese Society of Child Neurology

Early diagnostic criteria for prion disease treatment

Chairs : Nobuo Sanjo

Department of Neurology and Neurological Science, Institute of Science
Tokyo, Japan

Tsuyoshi Hamaguchi

Department of Neurology, Kanazawa Medical University, Japan

S-26-1 Electroencephalography Changes in Early Sporadic CJD and Timing of Clinical Trial Initiation

Taiki Matsubayashi

Department of Neurology and Neurological Science, Institute of Science Tokyo Graduate
School of Medical and Dental Sciences, Japan / Department of Neurology, National Hospital
Organization Disaster Medical Center, Japan

S-26-2 Trial of Early Diagnosis of Prion Disease

Masafumi Harada

Department of Radiology, Tokushima University, Japan

S-26-3 Biomarkers suitable for prion disease clinical trials

Katsuya Satoh

Department of Health Sciences, Unit of Medical and Dental Sciences, Nagasaki University
Graduate School of Biomedical Sciences, Japan

S-26-4 N-of-1 Approach in Rare Diseases: Potential for Prion Disease Treatment

Tojo Nakayama

Nucleotide and Peptide Drug Discovery Center (TIDE), Institute of Science Tokyo, Japan /
Neurology and Neurological Science, Institute of Science Tokyo, Japan

Sleep in Neurology

Keisuke Suzuki

Chairs : Masayuki Miyamoto Department of Neurology, Dokkyo Medical University, Japan
Center of Sleep Medicine Dokkyo Medical University Hospital, Japan

Takashi Nomura

Nomura Neuro Sleep Clinic, Japan

S-27-1 Sleep in Neurology: Opening remarks

Keisuke Suzuki

Department of Neurology, Dokkyo Medical University, Japan

S-27-2 Association between sleep-related breathing disorders and cerebrovascular disease

Yasuhisa Akaiwa

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

S-27-3 Restless legs syndrome from the perspective of Parkinson's disease

Yoshio Tsuboi

Tsutsumi Clinic Fukuoka Parkinson's Disease Center, Japan / PD Long-term Observation Research, Juntendo University, Japan

S-27-4 REM sleep behaviour disorder in the context of diagnosing dementia with Lewy bodies

Hiroshige Fujishiro

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

S-27-5 Insomnia as viewed from Alzheimer's disease

Mitsutaka Taniguchi

Sleep Medical Center Osaka Kaisei Hospital, Japan

S-28 Symposium 28

Jp

May 23 (Fri) 8:00 ~ 10:00 Room 02 (Osaka International Convention Center 5F Small Hall)

Common pathophysiology in drug-induced dyskinesias

Chairs : Masahiko Tomiyama

department of Neurology, Hirosaki University Graduate School of Medicine, Japan

Hiroshi Nagayama

Nippon Medical School Department of Neurofunctional Analysis, Japan

S-28-1 Clinical characteristics of levodopa induced dyskinesia and tardive dyskinesia

Kenichi Kashiwara

Okayama Neurology Clinic, Japan

S-28-2 Morphological changes of striatal neurons in L-dopa-induced dyskinesia and tardive dyskinesia model

Haruo Nishijima

Hirosaki University Hospital, Japan

S-28-3 Electrophysiological changes in L-DOPA-induced dyskinesia and tardive dyskinesia models

Atsushi Nambu

National Institute for Physiological Sciences, Japan

S-28-4 Treatment of L-dopa-induced dyskinesia and tardive dyskinesia

Katsuo Kimura

Department of Neurology, Yokohama City University Medical Center, Japan

Frontiers in the clinical process of muscle diseases encountered by neurologists**Chairs : Tsuyoshi Matsumura**

NHO Osaka Toneyama Medical Center, Japan

Kazuma Sugie

Department of Neurology, Nara Medical University, Japan

S-29-1 Clinical management of polymyositis and dermatomyositis**Akinori Uruha**

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

S-29-2 Diagnostic and Management Process of Inclusion Body Myositis**Satoshi Yamashita**

International University of Health and Welfare Narita Hospital, Japan

S-29-3 Management of irAE myositis**Shigeaki Suzuki**

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

S-29-4 Clinical Process for Facioscapulohumeral Muscular Dystrophy**Tsuyoshi Matsumura**

Department of Neurology, NHO Osaka Toneyama Medical Center, Japan

S-29-5 Strategies for Diagnosis and Clinical Management of Muscular Dystrophy**Masayuki Nakamori**

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

Nominal supported by: Japan Muscle Society**Acute stroke care what all neurologists should know****Chairs : Jun Takahashi**

Department of Neurosurgery, Kindai University Faculty of Medicine, Japan

Hiroshi Yamagami

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

S-30-1 Prehospital Stroke Scale and Initial Management of Acute Stroke**Hiroshi Yamagami**

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

S-30-2 Advancing Imaging Diagnostics in Acute Stroke Care: The Role of CT, MRI, Perfusion Imaging, and AI**Manabu Inoue**

Department of Cerebrovascular Medicine/Division of Stroke Care Unit, National Cerebral and Cardiovascular Center, Japan

S-30-3 Indication of intravenous thrombolytic therapy:
current status and controversy

Yoshiki Yagita

Department of Stroke Medicine, Kawasaki Medical School, Japan

S-30-4 Indications and Practice of Mechanical Thrombectomy :
The Role of Neurologists in Acute Stroke Care

Nobuyuki Ohara

Department of Neurology, Kobe City Medical Center General Hospital, Japan

S-30-5 Antihypertensive therapy and emergent management for acute
intracerebral hemorrhage

Kazunori Toyoda

National Cerebral and Cardiovascular Center, Japan

S-30-6 Acute treatment for subarachnoid hemorrhage

Jun Takahashi

Department of Neurosurgery, Kindai University Faculty of Medicine, Japan

Nominal supported by: Nominal supported by: The Japan Stroke Society

S-31 Symposium 31

Jp

May 23 (Fri) 8 : 00 ~ 10 : 00 Room 08 (Osaka International Convention Center 12F Grande Toque)

Medical practice for dementia based on cognitive resiliency

Chairs : Noriyuki Matsukawa

Department of Neurology, Nagoya City University, Japan

Hirohisa Watanabe

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

S-31-1 Trend in the prevalence of dementia in the general older Japanese
population: the Hisayama Study

Toshiharu Ninomiya

Department of Epidemiology and Public Health, Graduate School of Medical Sciences, Kyushu University, Japan

S-31-2 The association between prevalence of dementia and lifestyle-related
diseases/changes in lifestyle

Moeko Shinohara

Department of Neurology, Kanazawa University, Japan

S-31-3 Dementia regiliens- suggestions from the brain bank for aging
research data base

Shigeo Murayama

Brain Bank for Neurodevelopmental, Neurological and Psychiatric Disorders, United Graduate School of Child Development, Japan / Brain Bank for Aging Research (Neuropathology), Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan

S-31-4 Multidomain intervention for prevention of dementia in Japan

Takashi Sakurai

Director, Research Institute, National Center for Geriatrics and Gerontology, Japan

- S-31-5** Alzheimer's therapy with the disease modifying drug, Lecanemab, toward brain resilience
 Noriyuki Matsukawa
 Nagoya City University Neurology, Japan

S-32 Symposium 32

Jp

May 23 (Fri) 8:00 ~ 10:00

Room 15 (RIHGA Royal Hotel Osaka 3F Korin 3)

Patient and Public Involvement in Research on Hereditary Neurological Diseases

Chairs : Masanori Takahashi
 Clinical Neurophysiology, Osaka University Graduate School of Medicine, Japan
 Masahisa Katsuno
 Department of Neurology, Nagoya University Graduate School of Medicine, Japan

- S-32-1** Patient-public involvement for development of therapies for spinal and bulbar muscular atrophy
 Masahisa Katsuno
 Department of Neurology, Nagoya University Graduate School of Medicine, Japan

- S-32-2** SBMA Patient Association Initiatives
 Yukihiro Hamada
 Japan SBMA Association, Japan

- S-32-3** International PPI for the establishment of the East Asian CADASIL registry and drug discovery
 Masafumi Ihara
 Department of Neurology, National Cerebral and Cardiovascular Center, Japan

- S-32-4** The meaning of CADASIL patient association activities to me
 Yoriko Futamata
 National Cerebral and Cardiovascular Center, Japan

- S-32-5** PPI and international collaboration for the therapeutic development of myotonic dystrophy
 Masanori Takahashi
 Clinical Neurophysiology, Osaka University Graduate School of Medicine, Japan

- S-32-6** Together with Patients Around the World- Awareness Raising by DM-family
 Midori Senoo
 Myotonic Dystrophy Patients' Group of Japan (DM-Family), Japan

- S-32-7** PPI for early diagnosis and treatment of spinal muscular atrophy
 Kayoko Saito
 Institute of Medical Genetics, Tokyo Women's Medical University, Japan

S-32-8

Projects and Efforts of JAPAN SMA Family Association

Yuko Oyama

JAPAN SMA Family Association, Japan

Nominal supported by: The Japanese Society of Child Neurology

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S-33 Symposium 33

Web En

May 23 (Fri) 15:00 ~ 17:00 Room 01 (Osaka International Convention Center 5F Large Hall)

Incretin-related drugs: a possible panacea?

Chairs : Noriko Isobe

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

Yasuyoshi Kimura

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

S-33-1

Incretin-related drugs for the treatment of diabetes and obesity

Iichiro Shimomura

Department of Metabolic Medicine, Osaka University Medical School, Japan

S-33-2

Repurposing of glucagon-like peptide-1 (GLP-1) drugs; a potential panacea?

Yasuyoshi Kimura

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

S-33-3

Potential role of GLP1 receptor agonists in treatment of Alzheimer's disease

Takeshi Ikeuchi

Brain Research Institute, Niigata University, Japan

S-33-4

The LIXIPARK trial: lixisenatide to treat patients with early Parkinson disease (PD)

Olivier Rascol

Neurosciences and Clinical Pharmacology at Toulouse University Hospital, France / Clinical Pharmacology at University of Toulouse, France / Clinical Investigation Center INSERM, France

Cutting-edge dementia research surrounding amyloid- β and tau

Chairs : Yoshio Ikeda

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

Yasuyuki Ohta

Division of Neurology and Clinical Neuroscience, Department of Internal
Medicine III, Yamagata University School of Medicine, Japan**S-34-1 Molecular mechanisms of template-dependent tau aggregation in tauopathies**

Masato Hasegawa

Department of Brain and Neurosciences Tokyo Metropolitan Institute of Medical Science, Japan

S-34-2 Extracellular Tau Homeostasis: Mechanisms and Implications for Neurodegeneration

Kaoru Yamada

The University of Tokyo, Japan

S-34-3 Glial responses and their contributions to AD continuum

Takashi Saito

Department of Neurocognitive Science, Institute of Brain Science, Nagoya City University
Graduate School of Medical Sciences, Japan**S-34-4 Approaches to treat Alzheimer's disease focusing on A β aggregation**

Kenjiro Ono

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

Neuro-Immune Crosstalk: Latest Research Updates

Chairs : Yuji Nakatsuji

Department of Neurology, Toyama University Hospital, Japan

Kazumasa Yokoyama

Tohsei center for neurological diseases, Japan

S-35-1 Crosstalk between neuronal, immune and metabolic systems

Atsushi Kumanogoh

Department of Respiratory Medicine and Clinical Immunology, Osaka Univ., Japan

S-35-2 Development of therapeutic strategies to repair neuronal network for the CNS diseases

Toshihide Yamashita

Department of Molecular Neuroscience, Graduate School of Medicine, Osaka University, Japan

S-35-3 Thymoma and Disruption of Immune Tolerance to neuromuscular antigen

Tatsusada Okuno

Department of Neurology Osaka University Graduate School of Medicine, Japan

S-35-4 Immune mechanisms in the pathogenesis of neurodegenerative diseases

Norio Chihara

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

S-35-5 Microglia and neurodegenerative diseases

Hideyuki Takeuchi

Department of Neurology, Graduate School of Medicine, International University of Health and Welfare, Japan / Center for Intractable Neurological Diseases and Dementia, International

University of Health and Welfare Atami Hospital, Japan / Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine, Japan

S-36 Symposium 36

En

May 23 (Fri) 15:00 ~ 17:00 Room 04 (Osaka International Convention Center 10F Conference Room 1001-1002)

Global Perspective on ALS issues and Strategies

Chairs : Masashi Aoki

Department of Neurology, Tohoku University School of Medicine, Japan

Makoto Urushitani

Department of Neurology, Shiga University of Medical Science, Japan

S-36-1 Strategies to overcome ALS based on the Japanese ALS registry (JaCALS)

Naoki Atsuta

Department of Neurology, Aichi Medical University School of Medicine, Japan

S-36-2 Prospects of the Japan Familial ALS Trial-ready Registry (J-FAST)

Naoki Suzuki

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

S-36-3 Guidelines for ALS Drug Evaluation in Japan: Challenges and Global Collaboration

Koji Fujita

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

S-36-4 Harmonized ALSFRS-R

Angela Genge

McGill University, Canada

S-36-5 Activating ALS research and clinical trials

Osamu Kano

Department of Neurology, Toho University Faculty of Medicine, Japan

Multifaceted Approaches to Emerging Pathophysiologies of Parkinson's Disease

Chairs : Tatsushi Toda

National Center Hospital, National Center of Neurology and Psychiatry, Japan
 Hodaka Yamakado
 Department of therapeutics for Multiple System Atrophy, Kyoto University
 Graduate School of Medicine, Japan

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S-37-1 Immunological Approaches to the Pathogenesis of Parkinson's Disease

Sachiko Miyake

Department of Immunology, Juntendo University Faculty of Medicine, Japan

S-37-2 Sleep Abnormalities as an Exacerbating Factor in Parkinson's Disease

Eiko N. Minakawa

Department of Neurophysiology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan

S-37-3 New Research Approach Using Large-Scale Public Clinical and Omics Data in Parkinson's Disease

Kazuto Tsukita

Department of Neurology, Graduate School of Medicine, Kyoto University, Japan / Advanced Comprehensive Research Organization, Teikyo University, Japan

S-37-4 Can Changes in Microbiota Explain the Diversity in the Onset and Progression of Parkinson's Disease?

Masaaki Hirayama

Chubu University, graduate School of Life and Health Sciences, Japan

S-37-5 RNA G-quadruplexes form scaffolds that promote neuropathological alpha-synuclein aggregation

Norifumi Shioda

Kumamoto University, Department of Genomic Neurology, Institute of Molecular Embryology and Genetics, Japan

Researches on neurological diseases from the perspective of non-MD researchers

Chairs : Yuzuru Imai

Juntendo University, Japan

Toshihide Takeuchi

LSRI, Kindai University, Japan

S-38-1 Regulatory role of exosome secretion in stress granule dynamics and ALS

Toshihide Takeuchi

LSRI, Kindai University, Japan

S-38-2 Neurodegenerative diseases caused by mutations in the mitochondrial protein CHCHD2

Yuzuru Imai

Juntendo University Graduate School of Medicine, Japan

S-38-3 The association between cerebrovascular aging and cerebral small vessel disease

Taisuke Kato

Department of Molecular Neuroscience, Brain Science Branch, Brain Research Institute, Niigata University, Japan

S-38-4 Antibody-based structural characterization of misfolded mutant SOD1

Yoshiaki Furukawa

Department of Chemistry, Keio University, Japan

S-39 Symposium 39

Jp

May 23 (Fri) 15:00 ~ 17:00 Room 09 (Osaka International Convention Center 12F Conference Room 1202)

Phenomenology and diagnosis of myelopathic disorders

Chairs : Eiji Matsuura

Taishi hospital, Japan

Tatsuro Misu

Department of Neurology, Tohoku university hospital, Japan

S-39-1 Clinical and electrophysiological diagnosis of spinal cord disorders

Masahiro Sonoo

Department of Orthoptics, Faculty of Medical Technology, Teikyo University, Japan

S-39-2 Myelitis in infectious diseases: tips and pitfalls

Motohiro Yukitake

Department of Neurology, Kouhoukai Takagi Hospital, Japan / International University of Health and Welfare, Japan

S-39-3 Clinical Symptom-Based Diagnosis of HAM

Eiji Matsuura

Taishi Hospital, Japan

S-39-4 Diagnosis and Management of Spinal dural arteriovenous fistula

Masaaki Shojima

Department of Neurosurgery, Teikyo University, Japan

Reappraisal of the interrelation between neurology and psychiatry in 21st century

Chairs : Kenichi Kashihara

Okayama Neurology Clinic, Japan

Hidehiro Shibayama

Department of Neurology, Kameda Medical Center, Japan

S-40-1 Relationship between neurology and psychiatry viewed by Henri Ey

Hidehiro Shibayama

Department of Neurology, Kameda Medical Center, Japan

S-40-2 The Intersection of Neurology and Psychiatry in the Management of Dystonia

Ryosuke Miyamoto

Department of Neurology, Tokushima University Hospital, Japan

S-40-3 Delirium and Catatonia: Emergency disorders at the border of neurology and psychiatry

Yoshiyuki Nishio

Department of Behavioral Neurology and Neuropsychiatry, Osaka University, Japan /

Department of Psychiatry, Osaka University, Japan

S-40-4 Neurology plus Psychiatry is more than 2 medical divisions

Shu-ichi Ueno

Department of Neuropsychiatry, Ehime University Graduate School of Medicine, Japan

Nominal supported by: The Japanese Society of Psychiatry and Neurology

S-41 Symposium 41

Sleep and cognition

Chairs : Yasunori Oka

Center for Sleep Medicine, Ehime University, Japan

~~Keisuke Suzuki~~

Department of Neurology, Dokkyo Medical University, Japan

Masayuki Miyamoto

Center of Sleep Medicine Dokkyo Medical University Hospital, Japan

S-41-1 Importance of sleep in the prevention of dementia

Noriyuki Kimura

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

S-41-2 Sleep Disturbance in Alzheimer's Disease

Yasunori Oka

Center for Sleep Medicine, Ehime University Hospital, Japan

S-41-3 Cognitive function in isolated REM sleep behavior disorder as prodromal Lewy body disease

Masayuki Miyamoto

Sleep Medicine Center, Dokkyo Medical University Hospital, Japan / Department of Neurology, Dokkyo Medical University Hospital, Japan / Graduate School of Nursing, Dokkyo Medical University, Japan

S-41-4 Neurodegenerative Disease and Sleep: From Bench to Bedside and Back

Naohiro Egawa

Kyoto University Graduate School of Medicine, Japan

S-41-5 REM sleep and its deficits: mechanisms and effects

Yu Hayashi

Department of Biological Sciences, Graduate School of Science, The University of Tokyo, Japan / International Institute for Integrative Sleep Medicine (WPI-IIS), Japan

S-42 Symposium 42

En

May 24 (Sat) 8:00 ~ 9:30 Room 02 (Osaka International Convention Center 5F Small Hall)

Development of new therapeutics in immune-mediated neuropathies: Progress of basic research and clinical trials

Chairs : Kenichi Kaida

Dept. of Neurology, Saitama Medical Center, Saitama Medical University, Japan

Motoi Kuwahara

Department of Neurology, Kindai University Faculty of Medicine, Japan

S-42-1 Advancing Translational Research in Guillain-Barré syndrome: Current Treatment and Clinical Trials

Zhahirul Islam

Gut-Brain Axis, icddr,b, Dhaka, Bangladesh

S-42-2 Therapeutic strategy and future outlooks for CIDP

Tomoko Okamoto

Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan

S-42-3 Clinical trials and new treatment strategy in anti-MAG neuropathy

Masanori Nakajima

Internal Medicine, Morioka Health Cooperative Association, Kawakubo Hospital, Japan / Department of Neurology, Kyorin University School of Medicine, Japan

S-42-4 Current therapeutic strategy and clinical trials in neuropathy of ANCA-associated vasculitis

Ryota Sato

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

Yips and neurology

Chairs : Yasoichi Nakajima

Nagano University of Health and Medicine, Japan

Noriaki Hattori

Department of Rehabilitation, Toyama University Hospital, Japan

S-43-1 Is yips an involuntary movement?

Yoshikazu Ugawa

Institute of Biomedical Science, Fukushima Medical University, Japan

S-43-2 Yips and Sports: Sports Related Dystonia

Ken Nakata

Medicine for Sports and Performing Arts Department of Health and Sport Sciences, The

University of Osaka Graduate School of Medicine, Japan

S-43-3 Musician's Yips

Yasoichi Nakajima

Nagano University of Health and Welfare, Japan

S-43-4 Pathophysiology and treatment of yips

Noriaki Hattori

Department of Rehabilitation, Toyama University Hospital, Japan

S-44 Symposium 44**Elucidating neurological diseases using statistical genetics**

Chairs : Yukinori Okada

Department of Genome Informatics, Graduate School of Medicine, the
University of Tokyo, Japan

Kotaro Ogawa

Department of Neurology, Osaka University Graduate School of Medicine,
Japan**S-44-1 Elucidating the pathophysiology of ALS using single cell analysis**

Seichi Nagano

Department of Neuro-developmental and -degenerative Disease Research, United Graduate School
of Child Development, Osaka University, Japan / Department of Neurology, Graduate School of
Medicine, Osaka University, Japan**S-44-2 Role of RNA Splicing in Neurodegenerative Diseases:
From Long-Read RNA-Seq to Deep Learning**

Tatsuhiko Naito

Icahn School of Medicine at Mount Sinai, USA / New York Genome Center, USA

S-44-3 Evaluation of somatic mutations contributing to neuroimmune diseases

Tomohiro Yata

Department of Neurology, Osaka University Graduate School of Medicine, Japan / Department
of Statistical Genetics, Osaka University Graduate School of Medicine, Japan / Department of
Neurology, National Hospital Organization Osaka Toneyama Medical Center, Japan

S-44-4

Projecting human omics with population, individual, single cell resolutions to neuroimmune diseases

Yukinori Okada

Department of Genome Informatics, Graduate School of Medicine, the University of Tokyo, Japan
/ Department of Statistical Genetics, Osaka University Graduate School of Medicine, Japan /
Laboratory for Systems Genetics, RIKEN Center for Integrative Medical Sciences, Japan

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S-45 Symposium 45

Web En

May 24 (Sat) 8:00 ~ 9:30 Room 07 (Osaka International Convention Center 12F Conference Hall)

Novel analysis methods for EEG and EMG in understanding the pathophysiology of neurological disorders and its application for neurorehabilitation

Chairs : Ichiro Miyai

Department of Neurology, Morinomiya Hospital, Japan

Tatsuya Mima

The Graduate School of Core Ethics and Frontier Sciences, Ritsumeikan University, Japan

S-45-1

Evaluation of stroke pathophysiology and prediction of functional recovery using EEG

Teiji Kawano

Neurorehabilitation Research Institute, Morinomiya Hospital, Japan

S-45-2

Evaluating Impairments and Recovery of Coordinated Muscle Activity Using Muscle Synergy Analysis

Kazuhiko Seki

National Center of Neurology and Psychiatry, Japan

S-45-3

The Yips in Sports: Insights from Sports Medicine and Neurology

Gajanan Revankar

Osaka University, Graduate School of Medicine, Japan

S-45-4

Muscle Synergy Analysis for Diagnosis in Neurorehabilitation

Qi An

Department of Human and Engineered Environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo, Japan

Symposium

Application of digital data for the evaluation, diagnosis and treatment of neurological disorders

Chairs : Fuminari Kaneko

Tokyo Metropolitan University Department of Physical Therapy Graduate
School of Human Health Sciences, Japan

Yasuo Terao

Department of Medical Physiology, Kyorin University, Japan

S-46-1 Evaluation Method for Cerebellar function and Treatment Development for Spinocerebellar Degeneration

Tomohiko Ishihara

Department of Neurology, Brain Research Institute, Niigata University, Japan / Advanced
Treatment of Neurological Diseases Branch, Endowed Research Branch, Brain Research
Institute, Niigata University, Japan**S-46-2 AI-based waveform identification of needle electromyography**

Hiroyuki Nodera

Neuromuscular Disease Center, Tenri Hospital, Japan

S-46-3 Diagnosis and pathological evaluation of neurological diseases by voice

Shinichi Tokuno

Voice Analysis and Measurement of Pathophysiology, Dept. of Bioengineering, Graduate School
of Engineering, Japan / Graduate School of Health Innovation Kanagawa University of Human
Services, Japan**S-46-4 Application of XR-AI technology as neuroscience-based rehabilitation for post-stroke motor paralysis**

Fuminari Kaneko

Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo
Metropolitan University, Japan / Department of Rehabilitation Medicine, Keio University School
of Medicine, Japan**Who is responsible for the diagnosis and treatment of idiopathic inflammatory myopathy?**

Chairs : Takashi Kanda

Neuromuscular Center Yoshimizu Hospital, Japan

Hiroyuki Tomimitsu

Department of Neurology, JA Toride Medical Center, Japan

S-47-1 Inflammatory Myopathies from a Dermatological Perspective

Manabu Fujimoto

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

S-47-2 Idiopathic Inflammatory Myopathy from a Rheumatologist's perspective

Ran Nakashima

Rheumatology and Clinical Immunology, Kyoto University Hospital, Japan

S-47-3

Idiopathic inflammatory myopathies from the perspective of a
Neurologist

Kazuma Sugie

Department of Neurology, Nara Medical University, Japan

S-47-4

Issues in the clinical care of idiopathic inflammatory muscle diseases

Hiroyuki Tomimitsu

Department of Neurology, JA Toride Medical Center, Japan

Nominal supported by: Japanese Dermatological Association /

The Japan College of Rheumatology /

The Japanese Society of Child Neurology