

**Understanding progression independent of relapses**

Chairs : Takayuki Kondo

Kansai Medical University Medical Center

Izumi Kawachi

Comprehensive Medical Education Center, Niigata University School of  
Medicine, Dept. of Neurology, BRL, Niigata University**S-01-1**    **Diagnosis of secondary progressive multiple sclerosis in a clinical setting**

Hirofumi Ochi

Department of Neurology and Geriatric Medicine, Ehime University Graduate School of  
Medicine, Japan**S-01-2**    **Update on immunopathological mechanism of progressive MS**

Izumi Kawachi

Department of Neurology, Brain Research Institute, Niigata University, Japan / Comprehensive  
Medical Education Center, Niigata University School of Medicine, Japan**S-01-3**    **Immunology of Progressive multiple sclerosis**

Takayuki Kondo

Kansai Medical University Medical Center, Japan

**S-01-4**    **Current treatment strategies for preventing physical and cognitive decline in progressive state**

Jin Nakahara

Department of Neurology, Keio University School of Medicine, Japan

**S-01-5**    **Opinion: Immunopathogenesis and therapeutic targets in secondary progressive multiple sclerosis**

Takashi Yamamura

National Institute of Neuroscience, NCNP, Japan

**Novel therapeutic approach for neurological disorders using stem cell biology and genetic modification**

Chairs : Christopher E. Pearson

The Hospital for Sick Children

Yohei Okada

Aichi Medical University, Department of Neurology

**S-02-1**    **A Slipped-CAG DNA-Ligand Induces Trinucleotide-Repeat Contractions In Vivo: Mechanism of Action**

Christopher E. Pearson

The Hospital for Sick Children

- S-02-2** Postnatal neurogenesis as a target of novel therapeutics for neurological disorders  
**Kazunobu Sawamoto**  
 Department of Developmental and Regenerative Neurobiology, Institute of Brain Science, Nagoya City University Graduate School of Medical Sciences, Japan / Division of Neural Development and Regeneration, National Institute for Physiological Sciences, Japan
- S-02-3** Pathophysiological analysis and therapeutic approach for motor neuron diseases using iPSCs  
**Yohei Okada**  
 Aichi Medical University, Department of Neurology, Japan
- S-02-4** Drug discovery for neurodegenerative disorders using disease specific iPSCs  
**Haruhisa Inoue**  
 Center for iPSC Cell Research and Application, Kyoto University, Japan / RIKEN, Japan

### S-03 Symposium 03

Web En

May 19 (Wed) 9:50 ~ 11:50

Room 06 (ICC Kyoto 2F Room B-2)

#### Selective vulnerability of alpha-synuclein-related neurodegeneration -beyond proteinopathy and propagation-

Chairs : D. James Surmeier  
 Department of Physiology, Feinberg School of Medicine, Northwestern University, IL  
 Toshiki Uchihara  
 Nitobe Memorial Nakano General Hospital, Neurology Clinic with Neuromorphomics Laboratory

- S-03-1** Hyperbranching axon as a structural template for Parkinson disease and aging  
**Toshiki Uchihara**  
 Neurology Clinic with Neuromorphomics Laboratory, Nitobe-Memorial Nakano General Hospital, Japan / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Tokyo, Japan
- S-03-2** How does alpha-synuclein pathology spread and cause neuronal dysfunction in the brain?  
**Dalton J. Surmeier**  
 Department of Physiology, Feinberg School of Medicine, Northwestern University, USA
- S-03-3** Lipid metabolism and alpha-synuclein aggregation  
**Taku Hatano**  
 Department of Neurology, Juntendo University Faculty of Medicine, Japan
- S-03-4** Complex interplay between alpha-synuclein and selective autophagy  
**Ana Maria Cuervo**  
 Institute for Aging Studies, Albert Einstein College of Medicine NY, USA

**Cutting-edge of dementia research for drug development**

Chairs : Yukihiro Washimi

National Center for Geriatrics and Gerontology

Keisuke Suzuki

Innovation Center for Clinical Research, National Center for Geriatrics and Gerontology

**S-04-1 Trial-Ready Cohort for dementia (J-TRC)**

Takeshi Iwatsubo

Department of Neuropathology, The University of Tokyo, Japan

**S-04-2 ORANGE MCI Registry due to the Promotion of Drug Development**

Keisuke Suzuki

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

**S-04-3 Healthy subjects registry for the prevention of dementia; IROOP**

Hiroshi Matsuda

Cyclotron and Drug Discovery Research Center, Southern Tohoku Research Institute for Neuroscience, Japan / National Center of Neurology and Psychiatry, Japan

**S-04-4 Expectations to dementia research  
(Pharmaceutical company's viewpoint)**

Naohisa Hatakeyama

Medicines Development Unit Japan and Medical Affairs, Eli Lilly Japan K.K., Japan

**S-04-5 Promoting clinical trials for early-stage dementia**

Yuma Yokoi

Office of New Drug III, Pharmaceuticals and Medical Devices Agency, Japan

Nominal supported by: Japan Society for Dementia Research

**Drug development and early diagnosis of prion disease**

Chairs : Masaki Takao

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

Yasushi Iwasaki

Institute for Medical Science of Aging, Aichi Medical University

**S-05-1 Current Drug Development for Prion Disease**

Kenta Teruya

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

**S-05-2 The biomarkers based diagnosis for human prion disease at early stage and chorological stage**

Katsuya Satoh

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

**S-05-3**      **Diagnosis and clinical feature of slowly progressive Creutzfeldt-Jakob disease**

**Nobuo Sanjo**

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

**S-05-4**      **Natural history survey of prion disease and its effective use**

**Tadashi Tsukamoto**

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

## **S-06 Symposium 06**

**Jp**

May 19 (Wed) 9:50 ~ 11:50

Room 10 (ICC Kyoto 1F Swan Hall)

### **What mechanisms generate dystonia?**

Chairs : **Kazuko Hasegawa**

Department of Neurology, National Hospital Organization, Sagami-hara  
National Hospital

**Kotaro Asanuma**

Yanagibaba Takeda Clinic

**S-06-1**      **Genetic dystonias overview -what's the origin of dystonia?**

**Ryosuke Miyamoto**

Department of Neurology, Tokushima University, Japan

**S-06-2**      **Pathophysiology of dystonia:  
How are the cerebellum and basal ganglia involved in?**

**Satomi Chiken**

Division of System Neurophysiology, National Institute for Physiological Sciences, Japan

**S-06-3**      **Pathophysiology of dystonia from the viewpoint of surgical treatment**

**Hirokazu Iwamuro**

Department of Neurosurgery, Juntendo University, Japan

**S-06-4**      **The origin of musicians' dystonia as deciphered by multimodal  
neuroimaging**

**Takashi Hanakawa**

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

**Development of novel therapy for neurological diseases in Japan**

Chairs : Satoshi Kuwabara

Department of Neurology, Graduate School, Chiba University

Etsuro Matsubara

Department of Neurology, Oita University Faculty of Medicine

**S-07-1 A doctor-led clinical trial for patients with NMO: the RIN-1 study**

Masayuki Tahara

Clinical Research Center, National Hospital Organization Utano National Hospital, Japan /

Department of rehabilitation, National Hospital Organization Utano National Hospital, Japan

**S-07-2 Guillain Barré syndrome & chronic inflammatory demyelinating polyneuropathy**

Sonoko Misawa

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

**S-07-3 Recent clinical trials for amyotrophic lateral sclerosis**

Yuishin Izumi

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

**S-07-4 Alzheimer's Disease**

Etsuro Matsubara

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

**S-07-5 Current Situation and Perspective of Drug Development for Neurological Diseases**

Ken Sakushima

Pharmaceuticals and Medical Devices Agency, Japan

**RBD as a harbinger of synucleinopathy: update**

Chairs : Tomoyuki Miyamoto

Department of neurology, Dokkyo Medical University Saitama Medical Center

Keisuke Suzuki

Department of Neurology, Dokkyo Medical University

**S-08-1 Melatonin Therapy in iRBD**

Dieter Kunz

Department of Physiology, Charite - Universitymedicine Berlin, Germany

**S-08-2 Characteristics of Japanese RBD patients and synucleinopathy risk**

Masayuki Miyamoto

Department of Clinical Medicine for Nursing, Dokkyo Medical University School of Nursing, Japan / Center of Sleep Medicine, Dokkyo Medical University Hospital, Japan

**S-08-3** Depression in RBD: needs for understanding biological aspects and psychological support

**Yukiyoshi Sumi**

Shiga University of Medical Science Department of Psychiatry, Japan

**S-08-4** Novel animal model for prodromal Parkinson's disease

**Hodaka Yamakado**

Department of Neurology, Kyoto University Hospital, Japan

**S-08-5** RBD in Parkinson's disease

**Hiroaki Fujita**

Dokkyo Medical University, Japan

## **S-09 Symposium 09**

**Jp**

May 19 (Wed) 14:15 ~ 16:15

Room 07 (ICC Kyoto 1F Room D)

### **Rehabilitation Medicine after coronavirus pandemic**

Chairs : **Yumiko Kaseda**

Department of Neurology, Hiroshima city Rehabilitation Hospital

**Takayo Chuma**

Department of Rehabilitation Medicine, Shiga General Hospital

**S-09-1** Past, present, and future of rehabilitation medicine from the perspective of health big data

**Shinya Matsuda**

Department of Preventive Medicine and Community Health, University of Occupational and Environmental Health, Japan

**S-09-2** Cooperation between medical care and nursing care in the neurological intractable rehabilitation

**Takayo Chuma**

Department of Rehabilitation Medicine, Shiga General Hospital, Japan

**S-09-3** Telerehabilitation

**Sonoko Nozaki**

Wakakusa Tatsuma Rehabilitation Hospital, Japan

**S-09-4** Impact of new coronavirus infection on rehabilitation

**Junko Fujitani**

Department of Rehabilitation, National Center for Global Health and Medicine, Japan

## Basic and clinical researches for developing therapies for muscle disease

Chairs : Eri Hirasawa

Graduate School of Medicine, Juntendo University, Department of Neurology

Kazuma Sugie

Department of Neurology, Nara Medical University

### S-10-1 Muscle repository and myology research

Ichizo Nishino

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

### S-10-2 Treatment development for Fukuyama muscular dystrophy

Tatsushi Toda

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

### S-10-3 Therapeutic Approach for Myotonic Dystrophy - Recent Advances in Translational Research

Masayuki Nakamori

Dept. of Neurology, Osaka University Graduate School of Medicine, Japan

### S-10-4 Construction of therapeutic effect verification system using iPS cells derived from muscle diseases

Eri Arikawa-hirasawa

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

## Update of cerebral small vessel disease

Chairs : Tommoto Hidekazu

Department of Neurology, Mie University

Takanari Kitazono

Department of Medicine and Clinical Science, Graduate School of Medical Sciences, Kyushu University

### S-11-1 Cerebral small vessel disease; an overview

Masafumi Ihara

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

### S-11-2 Clinical meaning of white matter hyperintensities

Naoki Saji

Center for Comprehensive Care and Research on Memory Disorders, National Center for Geriatrics and Gerontology, Japan

### S-11-3 To revisit the association between hypertension and cerebral small vessel disease

Kaori Miwa

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

**S-11-4** Updates on clinical and neuropathological features of cerebral amyloid angiopathy

**Akihiro Shindo**

Department of Dementia Prevention and Therapeutics, Graduate School of Medicine, Mie University, Japan

**S-11-5** Antithrombotic therapy for cerebral small vessel disease

**Tsukasa Saito**

Internal Medicine Cardiovascular, Respiratory and Neurology Division Asahikawa Medical University, Japan

**S-11-6** Mixed type cerebral small vessel disease

**Yusuke Yakushiji**

Department of Neurology, Kansai Medical University, Japan

## S-12 Symposium 12

**Jp**

May 19 (Wed) 14:15 ~ 16:15

Room 10 (ICC Kyoto 1F Swan Hall)

### The new horizon of liquid-liquid phase separation

Chairs : **Masashi Aoki**

Department of Neurology, Tohoku University School of Medicine

**Yoshitaka Nagai**

Department of Neurotherapeutics, Osaka University Graduate School of Medicine

**S-12-1** LLPS and membraneless organelles as triggers of protein aggregation in neurodegenerative diseases

**Yoshitaka Nagai**

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

**S-12-2** Regulation and disruption of intrinsically disordered regions in the pathogenesis of ALS

**Akihiro Sugai**

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

**S-12-3** Dysregulation of low-complexity domains results in ALS-FTD

**Eiichiro Mori**

Department of Future Basic Medicine, Nara Medical University, Japan

**S-12-4** Ubiquitylation-dependent phase separation of the proteasome

**Yasushi Saeki**

Protein Metabolism Project, Department of Basic Medical Sciences, Tokyo Metropolitan Institute of Medical Science, Japan

**S-12-5** Cytoplasmic aggregation of TDP-43 is independently induced via aggresome formation and LLPS

**Seiji Watanabe**

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



**S-13 Symposium 13****Web En**

May 20 (Thu) 8:00 ~ 9:30

Room 04 (ICC Kyoto 2F Room A)

**Will new migraine medications save migraine patients?**

Chairs : Hisaka Igarashi  
 Headache Care Unit, Department of Internal Medicine, Fujitsu Clinic  
 Makio Takahashi  
 Department of Neurology, Osaka Red Cross Hospital

**S-13-1 The disability of migraine in Japan**

Toshihiko Shimizu  
 Department of Neurology, Keio University, Japan

**S-13-2 Will new migraine medications save migraine patients?**

Patricia Pozo-Rosich  
 Headache Unit & Research Group, Vall Hebron University Hospital & Vall Hebron Institute of Research (VHIR), Spain

**S-13-3 Will new medications for acute treatment of migraine exceed triptans?**

Yoshiko Unno  
 Department of Stroke and Cerebrovascular Medicine, Faculty of Medicine, Kyorin University, Japan

**S-13-4 How should we choose the treatment of migraine?**

Noboru Imai  
 Department of Neurology, Japanese Red Cross Shizuoka Hospital, Japan

Nominal supported by: Japanese Headache Society

**S-14 Symposium 14****Proposed symposium Web Jp**

May 20 (Thu) 8:00 ~ 9:30

Room 06 (ICC Kyoto 2F Room B-2)

**Diagnosis and Treatment of Essential Tremor**

Chairs : Takashi Agari  
 Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital  
 Hisanori Kowa  
 National Hospital Organization Matsue Medical Center

**S-14-1 Essential tremor -Overview-**

Takemori Yamawaki  
 Department of Internal Medicine, Hiroshima Teishin Hospital, Japan

**S-14-2 Diagnosis and pathophysiology of essential tremor**

Ritsuko Hanajima  
 Tottori University, Faculty of Medicine, Japan

**S-14-3 Medication for the essential tremor**

Hisanori Kowa  
 Department of Neurology, NHO Matsue Medical Center, Japan

20

Symposium

S-14-4 Surgical treatment for essential tremor: current status and future prospects

Takashi Agari

Department of Neurosurgery, Tokyo Metropolitan Neurological Hospital, Japan

S-14-5 MR-guided focused ultrasound surgery for essential tremor

Kimito Kondo

Department of Neurology, Hokuto Hospital, Japan

Nominal supported by: Japanese Society for Stereotactic and Functional Neurosurgery

## S-15 Symposium 15

Jp

May 20 (Thu) 8:00 ~ 9:30

Room 07 (ICC Kyoto 1F Room D)

### Recent advances in diagnostic methods and treatments for amyloidosis

Chairs : Yoshiaki Sekijima

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

Mitsuharu Ueda

Department of Neurology, Graduate School of Medical Sciences

S-15-1 Early diagnosis of ATTR amyloidosis in aged patients with carpal tunnel syndrome

Yoshiaki Sekijima

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

S-15-2 Early diagnosis and new treatments of cardiac amyloidosis

Jin Endo

Department of Cardiology, Keio University School of Medicine, Japan

S-15-3 Advances in Treatment of ATTR Amyloidosis

Yohei Misumi

Department of Neurology, Kumamoto University, Japan

S-15-4 Early diagnosis and recent treatment strategy of AL amyloidosis

Chihiro Shimazaki

Japan Community Health care Organization Kyoto Kuramaguchi Medical Center, Japan

**Neuronal intranuclear inclusion disease and related disorders -update-**

Chairs : Mari Yoshida

Institute for Medical Science of Aging, Aichi Medical University

Jun Sone

Department of Neurology, National Hospital Organization Suzuka National Hospital

**S-16-1 Clinicopathological feature of NIID and NOTCH2NLC GGC repeat expansion**

Jun Sone

Neurology, National Hospital organization Suzuka National Hospital, Japan / Department of Neuropathology, Institute for Medical Sciences of Aging, Aichi Medical University, Japan

**S-16-2 Repeat expansion mutations reveal new concepts in neurology**

Hiroyuki Ishiura

Department of Neurology, The University of Tokyo, Japan

**S-16-3 Clinical pathogenesis of FXTAS**

Kazuhiro Ishii

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

**S-16-4 Clinicopathological features of genetically confirmed oculopharyngodistal myopathy**

Masashi Ogasawara

Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry (NCNP), Tokyo, Japan / Medical Genome Center, NCNP, Kodaira, Tokyo, Japan

**The Mission of Music Therapy in Neurology**

Chairs : Makoto Iwata

Medical Clinic Kakinokizaka

Michikazu Nakamura

Department of Neurology, Amagasaki Daimotsu Hospital

**S-17-1 Scientific approach of music therapy to dementia**

Masayuki Satoh

Department of Dementia and Neuropsychology, Advanced Institute of Industrial Technology, Tokyo Metropolitan Public University Corporation, Japan

**S-17-2 Music therapy for Parkinson's disease**

Akito Hayashi

Department of Rehabilitation &amp; Neurology Juntendo University Urayasu Hospital, Japan

**S-17-3 Music Therapy for Aged People -Status Quo and Prospect -**

Hiroko Fujimoto

Japanese Music Therapy Association, Japan

S-17-4

designated  
comment

Challenges to online music therapy in Parkinson's disease with  
cognitive decline

Yosuke Taruno

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

S-17-5

The Mission of Music Therapy in Neurology

Anthony Meadows

Shenandoah University, USA

Nominal supported by: Japanese Music Therapy Association /  
Japanese Society of Neurological Therapeutics

S-18 Symposium 18

Jp

May 20 (Thu) 8 : 00 ~ 9 : 30

Room 10 (ICC Kyoto 1F Swan Hall)

Neurological symptoms developing after intensive care: Post Intensive-  
Care Syndrome (PICS) and ICU-acquired weakness (ICUAW)

Chairs : Hiroyuki Yokota

Graduate School of Medical & Health Science, Nippon Sport Science  
University

Masahiro Sonoo

Department of Neurology, Teikyo University School of Medicine

S-18-1

ICUAW - mechanism of pathogenesis -

Tomihiko Imai

National Hakone Hospital, Japan

S-18-2

Diagnosis and Prognosis of Intensive Care Unit-Acquired Weakness

Yuki Hatanaka

Department of Neurology, Teikyo University School of Medicine, Japan

S-18-3

What is post-intensive care syndrome?

Shigeaki Inoue

Emergency and Critical Care Center, Kobe University Hospital Dept of Disaster and Emergency  
Medicine Kobe University.Graduate School of Medicine, Japan

S-18-4

The front line of clinical researches for PICS/ICU-AW. Current  
status and issues

Kensuke Nakamura

Emergency and Critical Care Medicine Hitachi General Hospital, Japan

Nominal supported by: The Japanese Congress on Neurological Emergencies

**Future-oriented working style reform for neurologists**

Chairs : Ayae Kinoshita

Kyoto University Graduate School of Medicine

Kyoko Suzuki

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

**S-19-0 The purpose of this symposium**

Ayae Kinoshita

Kyoto University Graduate School of Medicine

**S-19-1 Let's think of a future work style together with a female resident**

Ayako Kawatake

Kyoto University Hospital, Japan

**S-19-2 For female doctor to continue working happily**

Yukari Sekiguchi

JR Tokyo general hospital, Japan

**S-19-3 Anyone, Anything, Anytime with changing workplace culture**

Michi Kawamoto

Kobe City Medical Center General Hospital, Japan

**S-19-4 Career advancement of female doctors**

Michiko Kido

Japanese Red Cross Medical Center, Japan

**Cutting-edge advances in NMOSD and MOG-related disorders**

Chairs : Jin Nakahara

Department of Neurology, Keio University School of Medicine

Chihiro Fujii

Department of Neurology, University Hospital Kyoto Prefectural University of Medicine

**S-20-1 Molecular pathology of AQP4-NMOSD**

Masato Yasui

Department of Pharmacology, Keio University School of medicine, Japan

**S-20-2 Epidemiology of neuromyelitis optica spectrum disorder**

Noriko Isobe

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

**S-20-3 Treatment of AQP4-IgG-positive NMOSD**

Kazuo Fujihara

Department of Multiple Sclerosis Therapeutics, Fukushima Medical University School of Medicine, Japan / Multiple Sclerosis &amp; Neuromyelitis Optica Center, Southern TOHOKU Research Institute for Neuroscience, Japan

S-20-4 Pathology of MOG-RD  
Yoshiki Takai  
Department of Neurology, Tohoku University School of Medicine, Japan

S-20-5 Treatment strategy for MOGAD  
Sung Min Kim  
Department of Neurology, Seoul National University Hospital, Korea

**S-21 Symposium 21**

**Web En**

May 20 (Thu) 16 : 15 ~ 18 : 15

Room 07 (ICC Kyoto 1F Room D)

**Novel molecular target drugs for MG: How should we use them?**

Chairs : Hiroyuki Murai  
International University of Health and Welfare  
Shigeaki Suzuki  
Department of Neurology, Keio University School of Medicine

S-21-1 Treatment of Myasthenia Gravis using complement inhibitors  
Angela Genge  
McGill University, Canada / Montreal Neurological Institute and Hospital, Canada

S-21-2 Treatment for MG using FcRn inhibitor  
Akiyuki Uzawa  
Graduate School of Medicine, Chiba University, Japan

S-21-3 Treatment for myasthenia gravis using B-cell antibodies  
Shingo Konno  
Department of Neurology, Toho University Faculty of Medicine, Japan

S-21-4 Novel molecular target drugs for MG: How should we use them?  
Jason L. Crowell  
Neurologist, Beth Israel Deaconess Medical Center / Jerome H. Grossman M.D. Graduate Fellow, Harvard Kennedy School

**S-22 Symposium 22**

**Proposed symposium Jp**

May 20 (Thu) 16 : 15 ~ 18 : 15

Room 08 (ICC Kyoto 1F Room E)

**What are the hot topics of basic research related to Neurology?**

Chairs : Takayoshi Shimohata  
Department of Neurology, Gifu University Graduate School of Medicine  
Masahisa Katsuno  
Department of Neurology, Nagoya University Graduate School of Medicine

S-22-1 Hot topics in neurology  
Masahisa Katsuno  
Department of Neurology, Nagoya University Graduate School of Medicine, Japan

S-22-2 It's Never Too Late to Start Basic Neuroscience Research  
Michisuke Yuzaki  
Keio Univ Sch Med, Dept Physiol, Japan

**S-22-3** Attractiveness of Basic Research -From the President of the Japanese Society for Neurochemistry-

**Schuichi Koizumi**

Dept Neuropharmacol, Univ Yamanashi, Japan / Yamanashi GLIA Center, Japan

**S-22-4** Message to young members of the Society of Neurology:  
from the Society of Neuropathology

**Akiyoshi Kakita**

Dept. of Pathology, Brain Res. Inst., Niigata Univ., Japan

Nominal supported by: Japan Neuroscience Society / Japanese Society for Neurochemistry /  
Japanese Society of Neuropathology

**S-23 Symposium 23**

**Jp**

May 20 (Thu) 16:15 ~ 18:15

Room 09 (ICC Kyoto 1F Sakura Hall)

**Role of Neurologists in the new stroke systems of care**

Chairs : Yasuhiro Hasegawa

Stroke Center, Shin-yurigaoka General Hospital

Kazunori Toyoda

National Cerebral and Cardiovascular Center

**S-23-1** What is required of Neurologists in the near future of the Japanese stroke medical system

**Yoichiro Hashimoto**

Department of Neurology, Kumamoto City Hospital, Japan

**S-23-2** The role of neurologists in Stroke Care Unit / Stroke Unit

**Masatoshi Koga**

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

**S-23-3** In hospital stroke and inhospital stroke action team(iSAT)

designated  
comment

**Kenji Isahaya**

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

**S-23-4** Future stroke management by neurologists

**Toshiyasu Ogata**

Department of Neurology, Fukuoka University, Japan

**S-23-5** The role of neurologists in neuroendovascular therapy

**Mikito Hayakawa**

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

**S-23-6** Telestroke in remote islands

**Akira Tsujino**

Department of Neurology and Strokology, Nagasaki University Hospital, Japan

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

**S-24 Symposium 24****Jp**

May 20 (Thu) 16 : 15 ~ 18 : 15

Room 10 (ICC Kyoto 1F Swan Hall)

**Multiple system degeneration and its clinical relevance in amyotrophic lateral sclerosis**

Chairs : Yuishin Izumi

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

Toshio Shimizu

Department of Neurology, Tokyo Metropolitan Neurological Hospital

**S-24-1 Neurophysiological assessment of the central sensory nervous function in ALS**

Toshio Shimizu

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

**S-24-2 ALS from the perspective of neuropathological multisystem degeneration and accumulated proteins**

Tomoyasu Matsubara

Department of Neurology and Neuropathology (the Brain Bank for Aging Research), Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Japan

**S-24-3 Non-motor manifestations in ALS patients with tracheostomy and invasive ventilation**

Yuki Nakayama

Tokyo Metropolitan Institute of Medical Science Research Centre for Social Science &amp; Medicine Unit for Intractable Disease Nursing Care, Japan

**S-24-4 Abnormality of cardiovascular and autonomic nervous systems in ALS**

Koji Fujita

Department of Neurology, Tokushima University, Japan

**S-24-5 Brain machine interface in the completely locked-in state**

Satoko Koganemaru

Department of Physiology, Dokkyo Medical University, Japan

**S-25 Symposium 25****Jp**

May 20 (Thu) 16 : 15 ~ 18 : 15

Room 11 (ICC Kyoto 1F Room 157)

**What neurologists can do for the next-generation intractable disease medical system**

Chairs : Takafumi Miyachi

NHO Yanai Medical Center

Kiyonobu Komai

Department of Neurology, Hokuriku Brain and Neuromuscular Disease Center, National Hospital Organization Iou National Hospital

**S-25-1 Kanagawa model: a model of inclusive medical support for neurological intractable disease**

Tetsuo Komori

National Hospital Organization Hakone Hospital, Japan



- S-25-2** In standpoint of base hospitals in big city for coordinating medical care of intractable diseases  
**Manabu Sakaguchi**  
 Department of Neurology, Osaka General Medical Center, Japan / Osaka Intractable Diseases Information Center, Osaka General Medical Center, Japan
- S-25-3** Base hospital of Intractable disease in Hiroshima Prefecture  
**Hirofumi Maruyama**  
 Hiroshima University, Department of Clinical Neuroscience and Therapeutics, Japan
- S-25-4** Role of nurse coordinators for medical and care networks for the patients with intractable diseases  
**Kayo Nomasa**  
 Osaka Intractable Disease Medical Information Center, Japan
- S-25-5** Achievement of Initiative on Rare and Undiagnosed Diseases and its contribution to Nan-Byo medicine  
**Yuji Takahashi**  
 Department of Neurology, National Center Hospital, National Center of Neurology and Psychiatry, Japan
- S-25-6** Japanese policy on rare and intractable diseases  
**Michiko Taniguchi**  
 Intractable/Rare Disease Control Division, Health Service Bureau, Ministry on Health, Labor and Welfare

**S-26 Symposium 26****Jp**

May 21 (Fri) 8:00 ~ 9:30

Room 02 (ICC Kyoto 1F Annex Hall 1)

**Development of an algorithm for the diagnosis of encephalitis/meningitis: Crosstalk between infectious disease and autoimmune encephalitis**

Chairs : Tadanori Hamano  
 Department of Neurology  
 Akihiko Morita  
 Division of Neurology, Department of Medicine, Nihon University School of Medicine

- S-26-1** Development of an algorithm for the diagnosis of encephalitis/meningitis: Overview  
**Hideto Nakajima**  
 Nihon University School of Medicine, Japan
- S-26-2** Practical application of multiplex PCR for the diagnosis of central nervous system infections  
**Ryutaro Kira**  
 Department of Pediatric Neurology, Fukuoka Children's Hospital, Japan
- S-26-3** Diagnostic algorithm and diversity of clinical spectrum in autoimmune encephalitis  
**Takahiro Iizuka**  
 Department of Neurology, Kitasato University School of Medicine, Japan

S-26-4 Practical approach for the management of autoimmune encephalitis after herpes simplex encephalitis

Makoto Hara

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

**S-27 Symposium 27**

Proposed symposium Web En

May 21 (Fri) 8:00 ~ 9:30

Room 05 (ICC Kyoto 2F Room B-1)

**Neurologic Specialty Board in the World**

Chairs : Susumu Kusunoki

Japan Community Health care Organization (JCHO)

Makoto Kawai

Stanford University

S-27-1 Specialization in Neurology in Germany

Heinz Reichmann

University of Dresden, Germany

S-27-2 Neurology Specialty Board in Korea

Jee-Young Lee

Seoul National University College of Medicine and Seoul National University Boramae Hospital, Korea

S-27-3 Neurology Board in the US and Japan

Yohei Harada

Duke University School of Medicine, Japan

S-27-4 Neurological specialty board in the world and the historical background of the situation in Japan

designated comment

Masahiro Sonoo

Department of Neurology, Teikyo University School of Medicine, Japan

**S-28 Symposium 28**

Proposed symposium Web En

May 21 (Fri) 8:00 ~ 9:30

Room 06 (ICC Kyoto 2F Room B-2)

**Novel therapeutic strategies against ischemic stroke from the perspective of neuro-glial-vascular unit**

Chairs : Takakuni Maki

Kyoto University Graduate School of Medicine

Masato Kanazawa

Department of Neurology, Brain Research Institute, Niigata University

S-28-1 Endothelial progenitor cells secretome in neuro-oligo-vascular remodeling after ischemic stroke

Anna Rosell

Neurovascular Research Laboratory, Institut de Recerca, Hospital Vall d'Hebron, Barcelona, Spain

**S-28-2** Microglia, monocyte, and PBMCs polarization reveal therapeutic mechanisms against ischemic stroke

**Masato Kanazawa**

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

**S-28-3** The Effects of TrkB agonist for changing A1 to A2 astrocyte under prolonged cerebral hypoperfusion

adopted from  
free papers

**Nobukazu Miyamoto**

Department of Neurology, Juntendo University school of medicine, Japan

**S-28-4** Brain pericytes serve as multipotent stem cells following ischemic stroke

**Mikiya Beppu**

Hyogo College of Medicine, Department of Neurosurgery, Japan

**S-28-5** The phenotype changes of oligodendrocyte precursor cells after ischemic stroke

**Takakuni Maki**

Kyoto University Graduate School of Medicine, Japan

## S-29 Symposium 29

Proposed symposium **Jp**

May 21 (Fri) 8:00 ~ 9:30

Room 07 (ICC Kyoto 1F Room D)

### Multidisciplinary approach in mechanism of epilepsy: contribution of glia and neuron

Chairs : Akio Ikeda

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

Yoshihiro Sugiura

Department of Neurology, National Hospital Organization Fukushima National Hospital

**S-29-1** Pathophysiology of glias and neurons in epilepsy:  
Correlation between ictal DC shifts and pathology

**Shunsuke Kajikawa**

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

**S-29-2** An experimental approach to the glia-neuronal function using drug-induced rat models with epilepsy

**Mitsuyoshi Nakatani**

Aix-Marseille University, Institut de Neurosciences des Systèmes, Japan / Department of Neurology, Juntendo University, Japan

**S-29-3** Mathematical model on high frequency oscillation during ictal onset

**Takao Namiki**

Department of Mathematics, Faculty of Science, Hokkaido University, Japan

**S-29-4** Approaches for revealing epileptogenesis from neuropathology

**Hiroki Kitaura**

Dept. Pathology, Brain Research Institute, Niigata Univ., Japan

Nominal supported by: Japan Epilepsy Society

## How to neurophysiologically analyze pathomechanisms underlying neurological disorders

Chairs : Ritsuko Hanajima

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

Hiroyuki Nodera

Department of Neurology, Tenri Hospital

### S-30-1 New cut-off values, grading scale and diagnostic criteria of carpal tunnel syndrome

Yosuke Miyaji

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

### S-30-2 Fasciculation detection by muscle ultrasonography and needle EMG in the diagnosis of ALS

Kota Bokuda

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

### S-30-3 Threshold hunting method in amyotrophic lateral sclerosis (ALS)

Yuichiro Shiota

Department of Clinical Laboratory, the University of Tokyo Hospital, Japan

### S-30-4 Abnormal cortical plasticity and its significance in neurological disorders

Takahiro Shimizu

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

## Exploring ESUS ~ New Developments in Search for Embolic Sources and Treatment ~

Chairs : Hisanao Akiyama

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

Shigeru Fujimoto

Division of Neurology, Department of Medicine, Jichi Medical University

### S-31-1 Diagnosis of embolic stroke of undetermined source: Past, present, future

Satoshi Suda

Department of Neurology, Nippon Medical School, Japan

### S-31-2 Detection and treatment device for covert atrial fibrillation in patients with ESUS

Hisanao Akiyama

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

- S-31-3** The cause of ESUS, Patent Foramen Ovale  
**Hiroyuki Kawano**  
 Department of Stroke and Cerebrovascular Medicine, Kyorin University, Japan
- S-31-4** Transcatheter Closure of Patent Foramen Ovale for Preventing Stroke Recurrence  
**Yasuhiro Tanabe**  
 Division of Cardiology, Department of Internal Medicine, St. Marianna University School of Medicine, Japan
- S-31-5** Significance of aortic arch plaques in ESUS  
 -What are the pathology and optimal treatments? -  
**Yuji Ueno**  
 Department of Neurology, Juntendo University School of Medicine, Japan
- S-31-6** ESUS and Stroke Oncology ~from malignant to benign~  
**Ryota Tanaka**  
 Stroke Center and Division of Neurology, Department of Medicine, Jichi Medical University, Japan

**S-32 Symposium 32****Jp**

May 21 (Fri) 8:00 ~ 9:30

Room 10 (ICC Kyoto 1F Swan Hall)

**Topics and new approach to patients with higher cerebral dysfunction**Chairs : **Tatsuya Mima**

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

**Yoshino Ueki**

Nagoya city university graduate school of medicine, department of rehabilitation medicine

- S-32-1** Visualization of vague cognitive dysfunctions and simulation of postsurgical symptoms  
**Kyoko Suzuki**  
 Department of Behavioral Neurology and Cognitive Neuroscience, Tohoku University Graduate School of Medicine, Japan
- S-32-2** Topics of attention and visuospatial cognition  
**Katsuhiro Mizuno**  
 Department of Physical Rehabilitation, National Center Hospital, National Center of Neurology and Psychiatry, Japan
- S-32-3** fNIRS-mediated Neurofeedback:  
 appreciation for gait and balance impairment  
**Masahito Mihara**  
 Department of Neurology, Kawasaki Medical School, Japan
- S-32-4** Functional restoration by implantable brain machine interfaces on neurophysiological basis  
**Masayuki Hirata**  
 Department of Neurological Diagnosis and Restoration, Japan

**S-33 Symposium 33****Web Jp**

May 21 (Fri) 14 : 40 ~ 16 : 10

Room 01 (ICC Kyoto 1F Main Hall)

**Gender Equality of the World's Top Scientists**

Chairs : Atsushi Takeda

National Hospital Organization Sendai-Nishitaga Hospital

Yuko Shimizu

Department of Neurology, Tokyo Women's Medical University

**S-33-1 Women Faculty Networking-fostering diversity leaders-****Hiromi Yanagisawa**

Life Science Center for Survival Dynamics, University of Tsukuba, Japan

**S-33-2 Parallel career: doctor and astronaut****Chiaki Mukai**

Tokyo University of Science, Director of Space Colony Research Center, Japan

**S-34 Symposium 34****Web En**

May 21 (Fri) 14 : 40 ~ 16 : 40

Room 06 (ICC Kyoto 2F Room B-2)

**Increasing importance of autonomic neuroscience in multiple system atrophy**

Chairs : Masato Asahina

Neurology Clinic Tsudanuma

Tetsutaro Ozawa

Department of Neurology, Uonuma Institute of Community Medicine, Niigata University

**S-34-1 Updates on uro-neurology in MSA****Ryuji Sakakibara**

Neurology, Internal Medicine, Sakura Medical Center, Toho University, Japan

**S-34-2 Challenges in the diagnosis of non-motor MSA****Yasuaki Mizutani**

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

**S-34-3 Real-world data of autonomic dysfunction in Hokkaido Rare disease Consortium for MSA(HoRC-MSA) study****Masaaki Matsushima**

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

**S-34-4 The close and dangerous relationship between sleep and autonomic disorders in MSA: new insight****Pietro Cortelli**

DIBINEM, University of Bologna; IRCCS ISNB, Italy

**Disassemble "CIDP"! Reclassification of "CIDP" based on molecular autoimmune mechanism**

Chairs : Haruki Koike

Department of Neurology, Nagoya University Graduate School of Medicine

Ryo Yamasaki

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

**S-35-1 CIDP pathophysiology: a roadmap for future research**

Luis Querol

Hospital de la Santa Creu i Sant Pau, Barcelona, Spain / Centro para la Investigación en Red en Enfermedades Raras - CIBERER, Spain

**S-35-2 Reassemble polyneuropathy according to the ultrastructural characteristics**

Haruki Koike

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

**S-35-3 Autoantibody in autoimmune polyneuropathy - update -**

Motoi Kuwahara

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

**S-35-4 Molecular mechanisms and clinical characteristics in anti-NF155 antibody-positive CIDP**

Hidenori Ogata

Department of Neurology, Kyushu University Hospital, Japan

**Internationalization - Where should we head to?**

Chairs : Ichizo Nishino

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

Noriko Isobe

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

**S-36-0 The purpose of this symposium**

Ichizo Nishino

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

**S-36-1 Beyond the Language barrier-from my experience in Australia-  
Mana Higashihara**

Department of Neurology, Tokyo Metropolitan Geriatric Hospital, Japan

**S-36-2 Is English necessary? - From a clinician's perspective**

Yoko Warabi

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Japan

S-36-3 **EMG course in Mongolia**  
Norito Kokubun  
Department of Neurology, Dokkyo Medical University, Japan

S-36-4 **What should the Japanese Society of Neurology aim?  
Suggestions from an American Neurologist**  
Yasushi Kisanuki  
The Ohio State University Wexner Medical Center, Department of Neurology, Japan

### S-37 Symposium 37

Jp

May 21 (Fri) 14 : 40 ~ 16 : 40

Room 09 (ICC Kyoto 1F Sakura Hall)

#### Importance of pathological confirmation diagnosis for clinical return

Chairs : Akiyoshi Kakita  
Brain Res Inst, Niigata Univ  
Yuko Saito  
Dept. Neuropathology, Tokyo Metropolitan Institute of Gerontology

S-37-1 **progressive supranuclear palsy and corticobasal degeneration**  
Mari Yoshida  
Institute for Medical Science of Aging, Aichi Medical University, Japan

S-37-2 **Motor neuron disease**  
Hiroshi Shimizu  
Department of Pathology, Brain Research Institute, Niigata University, Japan

S-37-3 **Lessons from neuropathology of dementia**  
Tadashi Adachi  
Division of Neuropathology, Department of Brain and Neurosciences, Faculty of Medicine,  
Tottori University, Japan / Division of Neurology, Department of Brain and Neurosciences,  
Faculty of Medicine, Tottori University, Japan

S-37-4 **Parkinson disease**  
Yuko Saito  
Dept. Neuropathology, Tokyo Metropolitan Institute of Gerontology, Japan

### S-38 Symposium 38

Proposed symposium Jp

May 21 (Fri) 14 : 40 ~ 16 : 40

Room 10 (ICC Kyoto 1F Swan Hall)

#### Can complex systems, AI, and big data reveal the missing link in the elucidation of the pathophysiology of neurodegenerative diseases?

Chairs : Yasuhiro Kanatani  
Tokai University School of Medicine Department of Clinical Pharmacology  
Hirohisa Watanabe  
Fujita Health University

S-38-1 **Moonshot Research & Development:  
Revolutionary innovation for prediction and prevention of disease**  
Gen Sobue  
Aichi Medical University, Japan



- S-38-2** Mathematical basis of functional differentiation in terms of constrained self-organization  
Ichiro Tsuda  
Chubu University Academy of Emerging Sciences, Japan
- S-38-3** Early Diagnosis of Neurodegenerative Diseases Considering the Robustness of the Brain  
Osamu Onodera  
Brain Research Institute, Niiagta University, Japan
- S-38-4** Current status and challenges of AI and big data research in neurodegenerative diseases  
Hirohisa Watanabe  
Department of Neurology, Fujita Health University, Japan
- S-38-5** Utilization of national designated disease survey application form  
Yasuhiro Kanatani  
Tokai University School of Medicine Department of Clinical Pharmacology, Japan

**S-39 Symposium 39**Proposed symposium **Jp**

May 21 (Fri) 14 : 40 ~ 16 : 40

Room 11 (ICC Kyoto 1F Room 157)

**Disaster medical system for the patients with the intractable neurological diseases: past, present, and future**

Chairs : Hidefumi Ito

Department of Neurology, Wakayama Medical University

Yuichiro Inatomi

Saiseikai Kumamoto Hospital, Department of Neurology

- S-39-1** Overview  
Koichi Mizoguchi  
Shizuoka Medical Center Dept. of Neurology, Japan
- S-39-2** The memory and influence of The Great East Japan Earthquake  
Hareaki Seki  
National Hospital Organization Iwaki National Hospital, Japan
- S-39-3** Ischemic stroke and seizure following the 2016 Kumamoto earthquake  
Yuichiro Inatomi  
Saiseikai Kumamoto Hospital, Department of Neurology, Japan
- S-39-4** The situation of patients with intractable neurological diseases in the 2016 Kumamoto earthquakes  
Ryoichi Kurisaki  
Department of Neurology, National Hospital Organization Kumamoto Saishun Medical Center, Japan
- S-39-5** Medical Problems in Southern Area of Boso Peninsula Damaged by the 15th Typhoon of 2019  
Hideki Nakajima  
Department of Neurology, Awa Regional Medical Center, Japan / Department of Neurology, Ushiku Aiwa General Hospital, Japan

S-39-6 SARS-CoV-2 infection prevention education for diverse teams supporting disaster medicine

Osamu Yamamura

Department of Neurology, University of Fukui Hospital, Japan

S-39-7 Past and "Future" of disaster countermeasures that neurologists should work on

Shunya Nakane

Department of Molecular Neurology & Therapeutics, KUMAMOTO UNIVERSITY HOSPITAL, Japan

**S-40 Symposium 40**

Proposed symposium

Web

En

May 22 (Sat) 8 : 00 ~ 10 : 00

Room 04 (ICC Kyoto 2F Room A)

**Dyskinesia in Parkinson's Disease: Filling the Bedside-to-Bench Gap**

Chairs : Masahiko Tomiyama

Department of Neurology, Hirosaki University Graduate School of Medicine

Hodaka Yamakado

Kyoto University Hospital

S-40-1 Update on the Clinical Phenomenology, Risk Factors and Burden of Dyskinesias

Atsushi Takeda

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

Department of motor and cognitive aging, Tohoku university graduate school of medicine, Japan

S-40-2 External and internal loops of the basal ganglia (BG)

Yoshikazu Ugawa

Department of Human Neurophysiology, Japan

S-40-3 Morphological and Functional Changes of Striatal Neurons in Dyskinesia

Haruo Nishijima

Department of Neurology, Hirosaki University Hospital, Japan

S-40-4 Future medical treatments for dyskinesias: from bench to bedside

M. Angela Cenci

Lund University, Dept. Experimental Medical Science, Basal Ganglia Pathophysiology, Lund (Sweden), Sweden / Wallenberg Neuroscience Centre, Sweden

**Frontiers in diagnosis and biomarkers of dementia**

Chairs : Kenji Ishii

Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology

Tsuyoshi Hamaguchi

Department of Neurology and Neurobiology of Aging, Kanazawa University  
Graduate School of Medical Sciences**S-41-1 Update on Neuroimaging Diagnosis of Alzheimer's Disease**

Kenji Ishii

Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology, Japan

**S-41-2 CSF and blood biomarkers in Alzheimer's disease**

Takeshi Ikeuchi

Niigata University, Brain Research Institute, Japan

**S-41-3 Biomarkers in research criteria for the diagnosis of prodromal dementia with Lewy bodies**

Hiroshige Fujishiro

Kawasaki Memorial Hospital, Japan

**S-41-4 Clinical diagnosis and biomarkers of atypical cases of prion diseases**

Tsuyoshi Hamaguchi

Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of  
Medical Sciences, Japan**Successful career paths for neurology clinics**

Chairs : Kazutoshi Nishiyama

Department of Neurology, Kitasato University School of Medicine

Kiyoshi Niwa

Tokyo Headache Clinic

**S-42-1 Activity report from the preparatory committee for neurological clinician association**

Kazutoshi Nishiyama

Department of Neurology, Kitasato University School of Medicine, Japan

**S-42-2 As a result of opening the specialized clinic of headaches in metropolitan area, ...**

Kiyoshi Niwa

Department of Neurology, Tokyo Headache Clinic, Japan

**S-42-3 Neurology Clinic Specializing in Dementia Consultation**

Yukari Imon

Imon Yukari Neurology Clinic, Japan

S-42-4 A neurologist undertook a satellite clinic director in an area overcrowded with clinics & hospitals

Kotaro Asanuma  
Yanagibaba Takeda Clinic, Japan

S-42-5 Medical treatment as a neurologist in a private hospital: promotion of medical - welfare cooperation

Yoshihiko Nishida  
Department of Neurology, Itsuki Hospital, Japan

### S-43 Symposium 43

Jp

May 22 (Sat) 8 : 00 ~ 10 : 00

Room 09 (ICC Kyoto 1F Sakura Hall)

#### Problems with countermeasures of COVID-19 in neurology

Chairs : Nobuo Sanjo  
Tokyo Medical and Dental University, Graduate School of Medical and Dental Sciences, Department of Neurology and Neurological Science  
Hideto Nakajima  
Nihon University School of Medicine

S-43-1 Neurologic manifestations in patients with COVID-19

Masaki Takao  
National Center of Neurology and Psychiatry (NCNP) National Center Hospital, Japan

S-43-2 Immunological reaction in COVID-19

Kohsuke Imai  
Department of pediatrics, Tokyo Medical and Dental University, Japan

S-43-3 ACE2 receptor and encephalitis/encephalopathy (including olfactory disturbance)

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

S-43-4 Neurological Manifestations of COVID-19: Cerebrovascular disease

Kuniyasu Wada  
Department of Neurology, Kumamoto City Hospital, Japan

S-43-5 Treatment of autoimmune neurological disorders under COVID-19 pandemic

Yusei Miyazaki  
Department of Neurology, NHO Hokkaido Medical Center, Japan

S-43-6 Infection control and its impacts for patients with neuromuscular diseases in the COVID-19 pandemic

Tsuyoshi Matsumura  
Department of Neurology, National Hospital Organization Osaka Toneyama Medical Center, Japan

**Genomic research of sporadic and familial neurological diseases**

Chairs : Hiroshi Takashima

Department of Neurology and Geriatrics, Kagoshima University

**Wataru Satake**

Dept Neurol, The Univ of Tokyo

**S-44-1 Genomic research on rare diseases in the era of next-generation sequencing****Satoko Miyatake**

Clinical Genetics Department, Yokohama City University Hospital, Japan

**S-44-2 Genomic study, drug discovery, and pharmacogenomics of Parkinson's disease****Wataru Satake**

Dept Neurol, Japan

**S-44-3 Genome research of ALS****Naoki Atsuta**

Department of Neurology, Aichi Medical University School of Medicine, Japan / Department of Neurology, Nagoya University Graduate School of Medicine, Japan

**S-44-4 Infrastructure for genomics of dementia****Shumpei Niida**

National Center for Geriatrics and Gerontology, Japan

**S-44-5 Long read sequencing and its applications****Shinichi Morishita**

University of Tokyo, Japan

**Sports Neurology ~the effect of nerve stimulation~**

Chairs : Masahito Mihara

Department of Neurology, Kawasaki Medical School

**Masashi Tsujimoto**

National Center for Geriatrics and Gerontology

**S-45-1 What neurologists do in sports medicine****Masashi Tsujimoto**

National Center for Geriatrics and Gerontology, Japan

**S-45-2 The plastic changes in the human central nervous system by rehabilitation medicine****Tomoo Mano**

Department of Neurology, Nara Medical University, Japan / Department of Rehabilitation Medicine, Nara Medical University, Japan

S-45-3

**Occupational dystonia and yips**

**Noriaki Hattori**

Department of Rehabilitation, Faculty of Medicine, Academic Assembly, University of Toyama,  
Japan

S-45-4

**The Study of the Progression of Athletes' Competitive Abilities with  
the Stimulation of Their Senses**

**Hajime Itoi**

Gifu Prefectural High School of Commerce and Business, Japan

S-45-5

**A case study using the senses in the school education field**

**Takahiro Yoshida**

Monbetsu Nanoka Elementary School Learning Environment Advisor, Japan / Japan Taste  
Science Association Director, Japan / Visiting Researcher, Institute of Health and Physical  
Education, Chuo University, Japan / Chuo University Swimming Coach, Japan