

## Chushikoku Block Special Session -From the local Chushikoku to the World (2)-

Chairs : Hidehiro Mizusawa  
National Center of Neurology and Psychiatry  
Ryosuke Takahashi  
Department of Neurology, Kyoto University Graduate School of Medicine

### CS-02-1 Proof of viral infection in Japanese Encephalitis

Koji Abe  
Okayama University, Department of neurology

### CS-02-2 SMON dog proved quinoform as the cause

Koji Abe  
Department of Neurology, Okayama University

### CS-02-3 A 30-year journey to elucidating the causative gene of ARJP

Tetsuya Takahashi  
Hiroshima international university Department of rehabilitation

### CS-02-4 Discovery of parkin as a causative gene for ARJP (PARK2)

Nobutaka Hattori  
Dept. of Neurology, Juntendo University

### CS-02-5 First report of Benign adult familial myoclonic epilepsy:BAFME

Takeshi Yasuda  
Kurashiki Kinen hospital Department of Neurology

### CS-02-6 Identification of repeat expansions in BAFME

Hiroyuki Ishiura  
Department of Neurology, The University of Tokyo

### CS-02-7 New diagnostic criteria for ALS: Awaji criteria

Yuishin Izumi  
Department of Neurology, Tokushima University Graduate School of Biomedical Sciences

### CS-02-8 Prion Neuropathy

Toru Yamashita  
Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

### CS-02-9 GRP78 antibody and NMO: How this study began ?

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

### CS-02-10 GRP78 antibody and NMO: What have we learned from the development of this study?

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

**Neurology should be a basic specialty in the Japanese medical specialty system**

Chairs : Tatsushi Toda

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

Ryosuke Takahashi

Department of Neurology, Kyoto University Graduate School of Medicine

**S-44-1 Doctors' work-style reform and the trinity reform**

Nobuhiko Horioka

Ministry of Health

**S-44-2 Why Should Neurology be a Primary Specialty in Japanese Medical Specialty System-A Historical View-**

Ryosuke Takahashi

Department of Neurology, Kyoto University Graduate School of Medicine

**S-44-3 The reason for basic area conversion of neurology in view of stroke and dementia**

Hidekazu Tomimoto

Department of Neurology, Mie University

**S-44-4 Significance of neurology in internal medicine. Is neurology a subspecialty of internal medicine?**

Takemori Yamawaki

Department of Neurology, Hiroshima City Hiroshima Citizens Hospital

**S-44-5 The new board certification system seen from the position of a local hospital**

Tetsuo Ando

Anjo Kosei Hospital, Department of Neurology

**S-44-6 International comparison of medical specialty system and the relation to the internal medicine**

Masahiro Sonoo

Department of Neurology, Teikyo University School of Medicine

**Infinite Possibility of MRI for Clinical Practice**

Chairs : Wataru Sako

Department of Clinical Neuroscience, Tokushima University Graduate School

Aya Midori Tokumaru

Dept of Diagnostic Radiology, Tokyo Metropolitan Medical Center of Gerontology

**S-45-1 The potential ability of tractography**

Wataru Sako

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

**S-45-2 Structural MRI in Parkinson's disease and related disorders**

Taku Hatano

Department of Neurology, Juntendo University, Faculty of Medicine

**S-45-3 Recent development and new features of advanced MRI technique**

Masafumi Harada

Department of Radiology Tokushima University

**S-45-4 Non-human Primate Study for Understanding Human Brain Structure, Function, and Pathology**

Takuya Hayashi

RIKEN Center for Biosystems Dynamics Research

**Cerebral small vessel disease up-to-date**

Chairs : Kazuo Kitagawa

Department of Neurology, Tokyo Women's Medical University

Toru Yamashita

Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences

**S-46-1 Classification of cerebral small vessel disease**

Toru Yamashita

Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan

**S-46-2 Cerebral small vessel disease and dementia: a role of arterial stiffness**

Naoki Saji

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

**S-46-3 Neuropsychological Profile of Cerebral Small Vessel Disease**

Hiroshi Yoshizawa

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

S-46-4

Treatment strategy for cerebral small vessel disease

Yusuke Yakushiji

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

S-46-5

Cerebral small vessel disease and glymphatic system

Yoshiaki Itoh

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

S-47 Symposium 47

Proposed symposium Jp

Sep 2 (Wed) 9:00 ~ 10:30

Room 07 (Okayama Convention Center 2F Exhibition Hall)

Work Style Reform: What should we do now?

Chairs : Atsushi Takeda

National Hospital Organization, Sendai-Nishitaga Hospital

Sonoko Misawa

Department of Neurology, Chiba University Graduate School of Medicine

S-47-1

The current status and issues of working styles among female neurologists

Ikuko Aiba

Department of Neurology, National Hospital Organization Higashinagoya National Hospital

S-47-2

Current status of neurologists on the basis of the questionnaire for the JSN

Takayoshi Shimohata

Department of Neurology, Gifu University Graduate School of Medicine

S-47-3

The actual situation of medical practice regarding the doctor's working system reform

Kenjiro Ono

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

S-48 Symposium 48

Proposed symposium En

Sep 2 (Wed) 9:00 ~ 10:30

Room 12 (Okayama International Center 8F Event Hall)

State-of-the-art basic research for Alzheimer's disease

Chairs : Makoto Higuchi

National Institute of Radiological Sciences, National Institutes for Quantum and Radiological Science and Technology

Atsushi Iwata

Department of Neurology, Tokyo Metropolitan Geriatric Medical Center Hospital

S-48-1

Uncovering molecular etiology of dementia through nonclinical developments of therapeutics

Makoto Higuchi

National Institutes for Quantum and Radiological Science and Technology, Japan

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Symposium

**S-48-2** Propagation of pathogenic proteins and therapeutic intervention in Alzheimer's disease

Takeshi Iwatsubo  
Neuropathology, The University of Tokyo, Japan

**S-48-3** Generation of Alzheimer's disease animal models  
- from mice to non-human primates

Hiroki Sasaguri  
Laboratory for Proteolytic Neuroscience, RIKEN Center for Brain Science, Japan / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

**S-48-4** Genomic integrity in Alzheimer's disease

Tatsuo Mano  
Department of Neurology, The University of Tokyo, Japan

**S-48-5** Progression of Alzheimer's disease, tau propagation, and tau-targeting therapies

Shuko Takeda  
Department of Clinical Gene Therapy, Graduate School of Medicine, Osaka University, Japan

**S-49 Symposium 49**

Proposed symposium **Jp**

Sep 2 (Wed) 10:45 ~ 12:15 Room 04 (Okayama Convention Center 3F Conference Room 301)

**Elucidation of neurological diseases revealed by biometal science**

Chairs : Isao Hozumi  
Gifu Pharmaceutical University, Medical Therapeutics and Molecular Therapeutics  
Hiroaki Miyajima  
First Department of Medicine, Hamamatsu University School of Medicine

**S-49-1** New era for Integrated Bio-metal Science (IBmS)

Kouhei Tsumoto  
Dept Bioeng, Sch Eng, Univ Tokyo

**S-49-2** Dementia, amyotrophic lateral sclerosis and trace elements

Seiichi Nagano  
Dept. of Neurology, Osaka University Graduate School of Medicine

**S-49-3** Biometals and metal-binding proteins in Parkinson's disease

Masato Asanuma  
Dept of Med Neurobiol, Okayama Univ Grad Sch of Med, Dent and Pharmaceut Sci

**S-49-4** Intractable neurological diseases and biometals

Isao Hozumi  
Medical Therapeutics and Molecular Therapeutics, Gifu Pharmaceutical University

**How to examine myopathy patients?**

Chairs : Tadanori Hamano

Department of Neurology, University of Fukui

Satoshi Kuru

National hospital organization Suzuka national hospital

**S-50-1 Examination of myopathy**

Satoshi Kuru

National hospital organization Suzuka national hospital

**S-50-2 Muscle MRI findings in neuromuscular disorders**

Tadanori Hamano

Department of Neurology, University of Fukui

**S-50-3 Method of muscle biopsy and myopathological diagnosis**

Seigo Kimura

Nagoya university graduate school of medicine department of neurology / National hospital organization Suzuka national hospital department of neurology

**S-50-4 Inflammatory myopathies and autoantibodies**

Shigeaki Suzuki

Department of Neurology, Keio University School of Medicine

**Current status and future of  $\alpha$ -synuclein research -up to date-**

Chairs : Takeshi Iwatsubo

The University of Tokyo, Neuropathology

Kenjiro Ono

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

**S-51-1 Alpha-synuclein: identification in Lewy pathology and its pathogenic significance**

Takeshi Iwatsubo

Department of Neuropathology, The University of Tokyo

**S-51-2 Dynamic observation of  $\alpha$ -synuclein aggregation**

Kenjiro Ono

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

**S-51-3 Alpha-synuclein as one of biomarkers in synucleopathy's patients**

Katsuya Satoh

Department of Health Sciences, Unit of Rehabilitation Sciences, Nagasaki University Graduate School of Biomedical Sciences

**S-51-4 Alpha-sinuclein as a therapeutic target**

Hideki Mochizuki

Department of Neurology, Osaka University Graduate School of Medicine

**Neuroinfection, A new era**

Chairs : Hideo Hara

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

Yoshiharu Miura

Tokyo Metropolitan Komagome Hospital Department of Neurology

**S-52-1 Up to date of Neuro-infections**

Satoshi Kamei

Department of Neurology, Ageo Central General Hospital

**S-52-2 Case series study of PML in Japan and improvement of medical treatment system**

Yoshiharu Miura

Tokyo Metropolitan Komagome Hospital Department of Neurology

**S-52-3 Prion diseases**

Tsuyoshi Hamaguchi

Department of Neurology, Kanazawa University Hospital

**S-52-4 HTLV-I-associated Myelopathy and Inflammatory Process**

Eiji Matsuura

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

**S-52-5 Current status and treatment of neurosyphilis**

Hideo Hara

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

**S-52-6 Shotgun metagenomics can help diagnose an etiology unknown neuroinfection**adopted from  
free papers

Yusuke Sakiyama

Department of Neurology and Geriatrics, Kagoshima University Hospital

**How to manage dysphagia in Parkinson disease**

Chairs : Toshiyuki Yamamoto

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

Yurika Kimura

Department of Otolaryngology, Tokyo Metropolitan Health and Hospitals  
Corporation Ebara Hospital**S-53-1 Dysphagia in Parkinson's disease**

Toshiyuki Yamamoto

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

**S-53-2** Evaluation of swallowing function in Parkinson's disease up to date  
**Yurika Kimura**  
 Department of Otolaryngology, Tokyo Metropolitan Health and Hospitals Corporation Ebara Hospital / Dysphagia Research center, National Center Hospital of Neurology and Psychiatry / Department of Otolaryngology, Showa University

**S-53-3** Dysphagia rehabilitation of patients with Parkinson disease  
**Daisuke Nishida**  
 National Center of Neurology and Psychiatry

**S-53-4** Surgical treatment for severe dysphagia caused by Parkinson's disease -update-  
**Takaharu Nito**  
 Department of Otorhinolaryngology, Saitama Medical Center, Saitama Medical University

## **NFS-02 Neuroscience Frontier Symposium 02**

**En**

Sep 2 (Wed) 9:00 ~ 10:30 Room 10 (Okayama Prefectural Medical Association Office 2F Miki Memorial Hall)

### **Original discovery and therapy for SCA from Japan to the world**

Chairs : Yoshitaka Nagai

Department of Neurotherapeutics, Osaka University Graduate School of Medicine

**Kinya Ishikawa**

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

**NFS-02-1** Pathogenesis of spinocerebellar ataxia type 31 (SCA31)

**Kinya Ishikawa**

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

**NFS-02-2** Current clinical characteristics of Asidan (SCA36)

**Yasuyuki Ohta**

Department of Neurology, Okayama University, Japan

**NFS-02-3** Development of disease-modifying therapy for polyglutamine-linked SCA

**Yoshitaka Nagai**

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

**NFS-02-4** Antisense oligonucleotide therapy in spinocerebellar ataxia type 3 (SCA3)/Machado-Joseph disease

**Henry L. Paulson**

University of Michigan, USA



**Leading edge of ALS research**

Chairs : Clotilde Lagier-Tourenne

Massachusetts General Hospital / Harvard Medical School

Masahisa Katsuno

Department of Neurology, Nagoya University

**NFS-03-1 Antibody-based Therapeutic strategies for ALS targeting misfolded proteins**

Makoto Urushitani

Department of Neurology, Shiga University of Medical Science, Japan

**NFS-03-2 Disruption of RNA metabolism in neurodegenerative diseases and emerging therapeutic strategies**

Clotilde Lagier-Tourenne

Sean M. Healey &amp; AMG Center for ALS at the Massachusetts General Hospital, USA / Harvard Medical School, USA

**NFS-03-3 Glia-immune communication in ALS**

Koji Yamanaka

Department of Neuroscience and Pathobiology, RIEM, Nagoya University, Japan

**NFS-03-4 TDP-43 facilitates exocytosis: unexpected link between ALS and diabetes**

Masahisa Katsuno

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

**HT-15 Hot Topics 15****Toward Early Diagnosis of ALS**

Chairs : Yoshikazu Ugawa

Department of Human Neurophysiology, Fukushima Medical University

Hiroyuki Nodera

Department of Neurology, Kanazawa Medical University, Japan

**HT-15-1 History and Limitations of Airlie House revision of El Escorial Criteria**

Masahiro Sonoo

Department of Neurology, Teikyo University School of Medicine, Japan

**HT-15-2 The revised Awaji criteria**

Hiroyuki Nodera

Department of Neurology, Kanazawa Medical University, Japan

**HT-15-3 Beyond Awaji Criteria**

Yoshikazu Ugawa

Department of Human Neurophysiology, Fukushima Medical University, Japan

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**HT-15-4** An epigenetic study of age acceleration in ALS

Ekaterina Rogaeva

Tanz Centre for Research in Neurodegenerative Diseases, University of Toronto, Canada

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**HT-16 Hot Topics 16**

**Jp**

Sep 2 (Wed) 9:00 ~ 10:30 Room 02 (Okayama Convention Center 4F Conference Room 407)

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**Cutting edge of Chorea Research**

Chairs : Satoshi Kuwabara

Department of Neurology, Chiba University

Kazuko Hasegawa

National Hospital Organization Sagami National Hospital

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**HT-16-1** Overview

Masashi Hamada

Department of Neurology, the University of Tokyo

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**HT-16-2** Chorea in diabetes mellitus and general medical disease

Yutaka Suzuki

Internal Medicine, Nihon University Hospital

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**HT-16-3** Pathophysiology of chorea

Atsushi Nambu

Division of System Neurophysiology, National Institute for Physiological Sciences / Department of Physiological Sciences, SOKENDAI

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**HT-16-4** Trends of Therapeutics Development for Huntington's disease

Hitoshi Okazawa

Tokyo Medical and Dental University, Neuropathology

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**HT-17 Hot Topics 17**

Proposed symposium

**En**

Sep 2 (Wed) 10:45 ~ 12:15 Room 01 (Okayama Convention Center 4F Conference Room 405)

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**Update of Oligonucleotide Therapy for CNS diseases ;  
From Basic to Clinic**

Chairs : Takanori Yokota

Department of Neurology, Tokyo Medical and Dental University

Tatsushi Toda

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

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**HT-17-1** Clinical application siRNA for neurological diseases

Muthiah Manoharan

Alnylam Pharmaceuticals, Inc.

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**HT-17-2** BBB-penetrating heteroduplex oligonucleotide

Tetsuya Nagata

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

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**HT-17-3** Antisense oligonucleotides for the treatment of neurodegenerative diseases

Holly Kordasiewicz  
Ionis Pharmaceuticals, USA

**HT-17-4** Basic biology and clinical application of ASO to SMA

Kentaro Sahashi  
Department of Neurology, Nagoya University, Japan

Nominal support: Nucleic acid therapeutics Society of Japan

## HS History Session

Proposed symposium **Jp**

Sep 2 (Wed) 10:45 ~ 12:15 Room 09 (Okayama Prefectural Medical Association Office 4F Conference Room 402)

### The interesting history of neurology

Chairs : Makoto Iwata  
Medical Clinic Kakinokizaka  
Takemori Yamawaki  
Department of Neurology, Hiroshima City Hiroshima Citizens Hospital

**HS-1** Patients who have contributed to the development of Neuroscience

Genjiro Hirose  
Asanogawa General Hospital, Neurological Center

**HS-2** Medical illustrators who contributed for the development of neuroscience

Makoto Iwata  
Medical Clinic Kakinokizaka

**HS-3** New "KAITAI-SHINSHO": Chinese Character and Terminology in Clinical Neurology

Toshio Fukutake  
Department of Neurology, Kameda Medical Center

**HS-4** Tidbits of neurology

Akira Takahashi  
Emer Prof Nagoya University