CS-02 Chushikoku Symposium 02

Sep 2 (Wed) 10:45 ~ 12:15  Room 03 "Main Hall" (Okayama Convention Center 3F Convention Hall)

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

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-02-1</td>
<td>Proof of viral infection in Japanese Encephalitis</td>
<td>Koji Abe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Okayama University, Department of neurology</td>
</tr>
<tr>
<td>CS-02-2</td>
<td>SMON dog proved quinoform as the cause</td>
<td>Koji Abe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology, Okayama University</td>
</tr>
<tr>
<td>CS-02-3</td>
<td>A 30-year journey to elucidating the causative gene of ARJP</td>
<td>Tetsuya Takahashi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hiroshima International University, Department of Rehabilitation</td>
</tr>
<tr>
<td>CS-02-4</td>
<td>Discovery of parkin as a causative gene for ARJP (PARK2)</td>
<td>Nobutaka Hattori</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dept. of Neurology, Juntendo University</td>
</tr>
<tr>
<td>CS-02-5</td>
<td>First report of Benign adult familial myoclonic epilepsy: BAFME</td>
<td>Takeshi Yasuda</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kurashiki Kinen Hospital, Department of Neurology</td>
</tr>
<tr>
<td>CS-02-6</td>
<td>Identification of repeat expansions in BAFME</td>
<td>Hiroyuki Ishiura</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology, The University of Tokyo</td>
</tr>
<tr>
<td>CS-02-7</td>
<td>New diagnostic criteria for ALS: Awaji criteria</td>
<td>Yuishin Izumi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology, Tokushima University, Graduate School of Biomedical Sciences</td>
</tr>
<tr>
<td>CS-02-8</td>
<td>Prion Neuropathy</td>
<td>Toru Yamashita</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology, Okayama University, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences</td>
</tr>
<tr>
<td>CS-02-9</td>
<td>GRP78 antibody and NMO: How this study began?</td>
<td>Takashi Kanda</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology and Clinical Neuroscience, Yamaguchi University, Graduate School of Medicine</td>
</tr>
<tr>
<td>CS-02-10</td>
<td>GRP78 antibody and NMO: What have we learned from the development of this study?</td>
<td>Fumitaka Shimizu</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Neurology and Clinical Neuroscience, Yamaguchi University, Graduate School of Medicine</td>
</tr>
</tbody>
</table>
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 subspeciality 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
S-45 Symposium 45
Sep 2 (Wed) 9:00 ~ 10:30  Room 05 (Okayama Convention Center 3F Conference Room 302)

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

S-46 Symposium 46
Sep 2 (Wed) 9:00 ~ 10:30  Room 06 (Okayama Convention Center 2F Reception Hall)

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  
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  
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
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
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
**S-50 Symposium 50**

*Sep 2 (Wed) 10:45 ~ 12:15  Room 05 (Okayama Convention Center 3F Conference Room 302)*

**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

---

**S-51 Symposium 51**

*Sep 2 (Wed) 10:45 ~ 12:15  Room 06 (Okayama Convention Center 2F Reception Hall)*

**Current status and future of α-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 α-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-synuclein as a therapeutic target**  
Hideki Mochizuki  
Department of Neurology, Osaka University Graduate School of Medicine
### S-52 Symposium 52

#### Sep 2 (Wed) 10:45 ~ 12:15  Room 07 (Okayama Convention Center 2F Exhibition Hall)

**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-1-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**  
Yusuke Sakiyama  
Department of Neurology and Geriatrics, Kagoshima University Hospital

### S-53 Symposium 53

#### Sep 2 (Wed) 10:45 ~ 12:15  Room 12 (Okayama International Center 8F Event Hall)

**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's 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**

**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 & 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

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 Byond Awaji Criteria  
Yoshikazu Ugawa  
Department of Human Neurophysiology, Fukushima Medical University, Japan
An epigenetic study of age acceleration in ALS
Ekaterina Rogaeva
Tanz Centre for Research in Neurodegenerative Diseases, University of Toronto, Canada

Cutting edge of Chorea Research
Chairs: Satoshi Kuwabara  
Department of Neurology, Chiba University  
Kazuko Hasegawa  
National Hospital Organization Sagamihara National Hospital

Overview
Masashi Hamada  
Department of Neurology, the University of Tokyo

Chorea in diabetes mellitus and general medical disease
Yutaka Suzuki  
Internal Medicine, Nihon University Hospital

Pathophysiology of chorea
Atsushi Nambu  
Division of System Neurophysiology, National Institute for Physiological Sciences / Department of Physiological Sciences, SOKENDAI

Trends of Therapeutics Development for Huntington's disease
Hitoshi Okazawa  
Tokyo Medical and Dental University, Neuropathology

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

Clinical application siRNA for neurological diseases
Muthiah Manoharan  
Alnylam Pharmaceuticals, Inc.

BBB-penetrating heteroduplex oligonucleotide
Tetsuya Nagata  
Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan
Antisense oligonucleotides for the treatment of neurodegenerative diseases
Holly Kordasiewicz
Ionis Pharmaceuticals, USA

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

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

Patients who have contributed to the development of Neuroscience
Genjiro Hirose
Asanogawa General Hospital, Neurological Center

Medical illustrators who contributed for the development of neuroscience
Makoto Iwata
Medical Clinic Kakinokizaka

New "KAITAI-SHINSHO": Chinese Character and Terminology in Clinical Neurology
Toshio Fukutake
Department of Neurology, Kameda Medical Center

Tidbits of neurology
Akira Takahashi
Emer Prof Nagoya University