

Chushikoku Block Special Session -From the local Chushikoku to the World (1)-

Chairs : Shigeki Kuzuhara
Graduate School of Health Science, Suzuka University of Medical Science
Tatsushi Toda
Department of Neurology, Graduate School of Medicine, The University of Tokyo

- CS-01-1 The world first report of fronto-temporal dementia (FTD)
Koji Abe
Okayama University, Department of Neurology
- CS-01-2 Miyoshi Myopathy As a Distinct Type of Autosomal Recessive Distal Muscular Dystrophy
Hiroshi Nishino
NHO Tokushima National Hospital
Hisaoami Kawai
Minami-cho National Health Insurance Hiwasa Clinic
- CS-01-3 Miyoshi-type distal muscular dystrophy-after discovery of the causative gene
Masashi Aoki
Department of Neurology Tohoku University School of Medicine
- CS-01-4 Neuroprotective therapy both for acute stroke and ALS
Koji Abe
Department of Neurology, Okayama University
- CS-01-5 Discovery of Asidan (SCA36)
Yasuyuki Ohta
Department of Neurology, Okayama university
- CS-01-6 Genetic mutations and molecular pathomechanisms in Asidan (SCA36)
Yoshitaka Nagai
Department of Neurotherapeutics, Osaka University Graduate School of Medicine
- CS-01-7 Discovery of optineurin mutations in ALS
Hideshi Kawakami
Department of Epidemiology, RIRBM, Hiroshima University
- CS-01-8 Taurine therapy for MELAS
Yoshihide Sunada
Department of Neurology, Kawasaki Medical School
- CS-01-9 Discovery of a familial Alzheimer disease kindred (APP E693 del mutation) without amyloid deposition
Yumiko Kutoku
Department of Neurology, Kawasaki Medical School

Aug 31 (Mon) 10:30 ~ 12:00 Room 04 (Okayama Convention Center 3F Conference Room 301)

A novel approach to decipher molecular mechanisms of human demyelinating diseases

Chairs : Yuji Nakatsuji

Department of Neurology, Toyama University Hospital

Ryo Yamasaki

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

S-01-1 A genetic approach to uncover a novel target molecule for human demyelinating diseases

Takuya Matsushita

Department of Neurology, Kyushu University, Japan

S-01-2 A molecular immunopathological approach to decipher mechanisms of human demyelinating diseases

Tatsuro Misu

Department of Neurology, Tohoku University Hospital, Japan

S-01-3 How to image myelin using MRI

Yaou Liu

Department of Radiology, Beijing Tiantan Hospital, Capital Medical University, China

S-01-4 A genetically engineered mouse approach to elucidate molecular mechanisms of demyelinating diseases

Ryo Yamasaki

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

Nominal support: The Japanese Society for Neuroimmunology

Aug 31 (Mon) 10:30 ~ 12:00 Room 05 (Okayama Convention Center 3F Conference Room 302)

Current status and perspectives of the Neuro-ICU in the world Neurology

Chairs : Masao Nagayama

Department of Neurology, International University of Health and Welfare
Graduate School of Medicine

Tohru Aruga

Japan Organization of Occupational Health and Safety

S-02-1 Management of severe emergency patients in neurology and importance of Neuro-ICU

Yasuyuki Ohta

Department of Neurology, Okayama university

S-02-2 Neurological Intensive Care Unit in the United States and Europe and Advances in Neuromonitoring

Masao Nagayama

Department of Neurology, International University of Health and Welfare Graduate School of Medicine

S-02-3 Simulation training in neurocritical Care and Neuro-ICU

Yasuhiro Kuroda

Department of Emergency, Disaster, and Critical Care Medicine, Faculty of Medicine, Kagawa University

S-02-4 Neuro-monitoring for management of neuromuscular disorders

Mana Higashihara

Department of Neurology, Tokyo Metropolitan Geriatric Medical Center

S-02-5 Progress in Guidelines from Prehospital through Intensive Cares for Neuro-resuscitation in Japan

Tohru Aruga

Japan Organization of Occupational Health and Safety

S-03 Symposium 03

Jp

Aug 31 (Mon) 10:30 ~ 12:00 Room 07 (Okayama Convention Center 2F Exhibition Hall)

Recent advances in neuroimaging in PSP / CBD

Chairs : **Hirofumi Maruyama**

Department of Clinical Neuroscience and Therapeutics, Hiroshima University

Yoshio Tsuboi

Department of Neurology, Fukuoka University

S-03-1 It's not so tough for us to track tau changes in PSP/CBS, isn't it?

Hitoshi Shimada

Department of Functional Brain Imaging Research (DOFI), National Institute of Radiological Sciences (NIRS), National Institutes for Quantum and Radiological Science and Technology (QST)

S-03-2 Neuroimaging for diagnosis of PSP and CBS

Wataru Sako

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

S-03-3 Diagnostic strategy of PSP/CBS with neuroimaging

Aya.m. Tokumaru

Department of Diagnostic Radiology Tokyo Metropolitan Medical Center of Gerontology

S-03-4 The usefulness of quantitative susceptibility mapping in Parkinson's disease and related disorders

adopted from
free papers

Keita Matsuura

Department of Neurology, Mie University

The science of vertigo/dizziness

Chairs : Ken Johkura
 Department of Neurology, Yokohama Brain and Spine Center
 Toshio Fukutake
 Kameda Medical Center Department of Neurology

S-04-1 Pathogenesis and treatment of vestibular migraine

Mamoru Shibata
 Department of Neurology, Keio University School of Medicine

S-04-2 Vertigo caused by Cerebral Lesions

Toshio Fukutake
 Department of Neurology, Kameda Medical Center

S-04-3 Chronic dizziness caused by infratentorial lesion

Ken Johkura
 Department of Neurology, Yokohama Brain and Spine Center

S-04-4 Persistent postural-perceptual dizziness (PPPD)

Ken Johkura
 Department of Neurology, Yokohama Brain and Spine Center

S-05 Symposium 05**Treatment strategy update for MS and NMOSD**

Chairs : Kazumasa Yokoyama
 Department of Neurology of Juntendo University
 Jin Nakahara
 Department of Neurology, Keio University School of Medicine

S-05-1 Corticosteroids and immunosuppressants for neuromyelitis optica spectrum disorder

Ichiro Nakashima
 Division of Neurology, Tohoku Medical and Pharmaceutical University

S-05-2 The proper way to use IFN-beta and GA

Tatsusada Okuno
 Department of Neurology, Osaka University Graduate School of Medicine

S-05-3 How to use MS oral drugs

Hirofumi Ochi
 Department of Neurology and Geriatric Medicine, Ehime University Graduate School of Medicine

S-05-4 Natalizumab treatment for relapsing-remitting multiple sclerosis

Nobuaki Yoshikura
 Department of neurology, Gifu university graduate school of medicine

S-05-5 New MS/NMOSD drugs on the horizon
 Jin Nakahara
 Department of Neurology, Keio University School of Medicine

S-06 Symposium 06

Jp

Aug 31 (Mon) 10:30 ~ 12:00 Room 12 (Okayama International Center 8F Event Hall)

Integration of the insights from various ALS models for preclinical study

Chairs : Makoto Urushitani
 Department of Neurology, Shiga University of Medical Science
 Yohei Iguchi
 Department of Neurology

S-06-1 Evaluation of toxicity of ALS-causing protein SOD1 using *Caenorhabditis elegans*
 Yoshiaki Furukawa
 Laboratory for Mechanistic Chemistry of Biomolecules, Department of Chemistry, Keio University

S-06-2 *Drosophila* models to study ALS
 Morio Ueyama
 Department of Neurotherapeutics, Osaka University Graduate School of Medicine

S-06-3 Utility and characteristics of mouse model for ALS
 Yohei Iguchi
 Department of Neurology, Nagoya University Hospital

S-06-4 Modeling ALS using iPSCs: Significance and Characteristics
 Naoki Suzuki
 Department of Neurology, Tohoku University Hospital / Department of Neurology, Shodo-kai Southern TOHOKU General Hospital

S-06-5 Advantage and availability in non-human primate model of ALS
 Takuya Ohkubo
 Department of Neurology and Neurological Science, Graduate School of Medicine, Tokyo Medical and Dental University

Mitochondrial diseases UPDATE

Chairs : Yoshihide Sunada

Department of Neurology, Kawasaki Medical School

Yu-ichi Goto

Medical Genome Center, National Center of Neurology and Psychiatry

S-07-1 Diagnostic approach for mitochondrial diseases

Yu-ichi Goto

Medical Genome Center, National Center of Neurology and Psychiatry / Depart. of Mental Retardation and Birth Defect Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry

S-07-2 Genotype- phenotype correlation in mitochondrial diseases

Makoto Yoneda

Faculty of Nursing & Social Welfare Science, Fukui Prefectural University

S-07-3 Recently discovered new mitochondria diseases

Ichizo Nishino

Department of Neuromuscular Research, National Institute of Neuroscience, NCNP

S-07-4 Development of therapeutics for mitochondrial diseases: current status and prospects

Yoshihide Sunada

Department of Neurology, Kawasaki Medical School

CIDP: From bench to bedside

Chairs : Sonoko Misawa

Department of Neurology, Chiba University Graduate School of Medicine

Motoi Kuwahara

Department of Neurology, Kindai University Faculty of Medicine

S-08-1 Pathogenesis of CIDP model mice

Masahiro Iijima

Division of Advanced Medicine, Nagoya University Hospital / Department of Neurology, Nagoya University Graduate School of Medicine

S-08-2 Clinical subtypes and autoantibodies in chronic inflammatory demyelinating polyneuropathy

Motoi Kuwahara

Department of Neurology, Kindai University Faculty of Medicine

S-08-3 Disruption of the blood-nerve barrier in CIDP

Yasuteru Sano

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

S-08-4 Anti-neurofascin I55 antibody-positive CIDP

Hidenori Ogata

Department of Neurology, Kyushu University Hospital

S-09 Symposium 09**Jp**

Aug 31 (Mon) 13:30 ~ 15:00 Room 05 (Okayama Convention Center 3F Conference Room 302)

Clinical ethics consultations help autonomous decision making by patients with intractable diseases

Chairs : Kazuto Inaba

Chukyo university

Isao Nagano

NHO Miyagi National Hospital

S-09-1 Clinical ethics consultation and its philosophical foundations

Atsushi Asai

Department of Medical Ethics Tohoku University Graduate School of Medicine

S-09-2 Ethics consultation on law aspect

Kazuto Inaba

Chukyo university

S-09-3 Intake Process of Clinical Ethics Consultation

Koichiro Itai

University of Miyazaki, Interdisciplinary Graduate School of Medicine and Veterinary Medicine

S-09-4 ethical intervention in the clinical practice at a hospital

Hiroaki Ito

Department of Internal Medicine, NHO Miyagi National Hospital

Nominal support: The Japanese Society of Medical Networking for Intractable Diseases

S-10 Symposium 10**Jp**

Aug 31 (Mon) 13:30 ~ 15:00 Room 06 (Okayama Convention Center 2F Reception Hall)

Neuroimaging of neurological disorders presenting parkinsonism

Chairs : Shun Shimohama

Department of Neurology, Sapporo Medical University School of Medicine

Haruo Hanyu

Department of Geriatric Medicine, Tokyo Medical University

S-10-1 Diagnostic imaging for Parkinson's disease and Lewy body dementia

Syuuichirou Suzuki

Department of Neurology, School of Medicine, Sapporo Medical University

S-10-2 Diagnostic Imaging of progressive supranuclear palsy (PSP) and corticobasal degeneration (CBD)

Mineo Yamazaki

Dept. Neurology, Nippon Medical School Chiba Hokusoh Hospital

S-10-3 Diagnostic neuroimaging of multiple system atrophy
 Hidefumi Ito
 Department of Neurology, Wakayama Medical University

S-10-4 Diagnostic imaging of normal pressure hydrocephalus and vascular parkinsonism
 Hirofumi Sakurai
 Department of Geriatric Medicine, Tokyo Medical University

S-11 Symposium 11

Proposed symposium Jp

Aug 31 (Mon) 13:30 ~ 15:00 Room 07 (Okayama Convention Center 2F Exhibition Hall)

The cutting edge of imaging research for the neurodegenerative factors

Chairs : Makoto Yoneda
 Faculty of Nursing & Social Welfare Science, Fukui Prefectural University
 Masamichi Ikawa
 Department of Neurology, University of Fukui Hospital

S-11-1 Imaging of mitochondrial activity and neuroinflammation
 Yasuomi Ouchi
 Department of Biofunctional Imaging, Hamamatsu University School of Medicine

S-11-2 Molecular imaging for oxidative stress
 Masamichi Ikawa
 Department of Neurology, University of Fukui Hospital / Biomedical Imaging Research Center,
 University of Fukui

S-11-3 Metabolic analysis and imaging: brain MRS for Translational Research
 Yuhei Takado
 Department of Functional Brain Imaging Research, National Institutes for Quantum and
 Radiological Science and Technology

S-11-4 PET imaging of astrogliosis
 Akio Kikuchi
 Department of Neurology, Tohoku University Graduate School of Medicine

Aug 31 (Mon) 13:30 ~ 15:00 Room 09 (Okayama Prefectural Medical Association Office 4F Conference Room 402)

The next-generation ALS clinical trials proposed from the 5 running investigator-initiated clinical trials in Japan

Chairs : Masashi Aoki
 Department of Neurology, Tohoku University School of Medicine
 Hitoshi Aizawa
 Department of Neurology, Tokyo Medical University

S-12-1 Intrathecal injection of recombinant human HGF: a phase II clinical trial in ALS

Hitoshi Warita
 Department of Neurology, Tohoku University Hospital

S-12-2 AMPA receptor antagonist for sporadic ALS

Hitoshi Aizawa
 Department of Neurology, Tokyo Medical University

S-12-3 Japanese early-stage trial of high dose methylcobalamin for amyotrophic lateral sclerosis (JETALS)

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

S-12-4 Phase I/IIa study of Ropinirole, a candidate for ALS based on iPS cell drug discovery

Daisuke Ito
 Department of Neurology, Keio University School of Medicine

S-12-5 A phase I dose escalation study of bosutinib for amyotrophic lateral sclerosis patients

Haruhisa Inoue
 Center for iPS Cell Research and Application (CiRA), Kyoto University

Aug 31 (Mon) 13:30 ~ 15:00 Room 12 (Okayama International Center 8F Event Hall)

Dystonia Update

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

S-13-1 dystonia update - overview

Kazuko Hasegawa
 National Hospital Organization, Sagamihara National Hospital / National Hospital Organization, Sagamihara clinical research center

S-13-2 Pathophysiology of dystonia: How are the basal ganglia and cerebellum involved in?

Satomi Chiken
 Division of System Neurophysiology, National Institute for Physiological Sciences

S-13-3 Genetic dystonias caused by disturbances in monoamine metabolism
Satoko Kumada
 Department of Neuropediatrics, Tokyo Metropolitan Neurological Hospital

S-13-4 Effect of bilateral pallidal DBS for generalized dystonia patients
Makoto Taniguchi
 Tokyo Metropolitan Neurological Hospital, Department of Neurosurgery

S-14 Symposium 14

Jp

Aug 31 (Mon) 15:15 ~ 16:45 Room 04 (Okayama Convention Center 3F Conference Room 301)

Cutting edge of the pathogenesis and treatment in peripheral neuropathies

Chairs : **Takashi Kanda**
 Department of Neurology and Clinical Neuroscience, Yamaguchi University
 Graduate School of Medicine
Haruki Koike
 Department of Neurology, Nagoya University Graduate School of Medicine

S-14-1 Leading-edge trend of therapeutic interventions for Guillain Barré syndrome
Sonoko Misawa
 Department of Neurology, Chiba University Graduate School of Medicine

S-14-2 Pathogenesis and therapeutic strategies of CIDP from the viewpoint of autoantibodies
Kenichi Kaida
 Department of Neurology, Saitama Medical Center, Saitama Medical University

S-14-3 Charcot-Marie-Tooth disease and HNPP: advances in diagnosis and treatments
Yuji Okamoto
 Department of Neurology and Geriatrics, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan

S-14-4 New therapeutic options for vasculitic peripheral neuropathy
Yukio Takeshita
 Department of Neurology and Clinical Neuroscience Yamaguchi University Graduate School of Medicine

S-15 Symposium 15**Jp**

Aug 31 (Mon) 15:15 ~ 16:45 Room 05 (Okayama Convention Center 3F Conference Room 302)

Overcoming refractory headaches

Chairs : Takao Takeshima

Department of Neurology, Headache Center, Tominaga Hospital

Norihiro Suzuki

Department of Neurology, Shonan Keiiku Hospital

S-15-1 What's the definition of severe headaches

Yasuo Ito

Department of Neurology, Saitama Medical University

S-15-2 Diagnosis and treatment of chronic migraine and medication overuse headache

Noboru Imai

Japanese Red Cross Shizuoka Hospital

S-15-3 Chronic cluster headache

Shoji Kikui

Department of Neurology

S-15-4 New daily persistent headache

Muneto Tatsumoto

Medical Safety Management Center, Dokkyo Medical University Hospital

S-15-5 Persistent headache attributed to traumatic injury/whiplash

Michiyasu Suzuki

Department of Neurosurgery Yamaguchi University Graduate School of Medicine / Department of Advanced ThermoNeuroBiology Yamaguchi University Graduate School of Medicine

S-16 Symposium 16**En**

Aug 31 (Mon) 15:15 ~ 16:45 Room 06 (Okayama Convention Center 2F Reception Hall)

Autoimmune epilepsy

Chairs : Akio Ikeda

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

Riki Matsumoto

Division of Neurology, Kobe University Graduate School of Medicine

S-16-1 Pathophysiology of autoimmune epilepsy

Bo Sun

University of Oxford, UK / Association of British Neurologists, UK

S-16-2 Diagnosis of autoimmune epilepsy

Mitsuhiro Sakamoto

Department of Neurology, Rakuwakai Otowa Hospital, Japan

S-16-3 Clinical management for an acute phase of autoimmune epilepsy

Yuto Uchida

Nagoya City University, Japan / Toyokawa City Hospital, Japan

S-16-4 Clinical variability of autoimmune epilepsy**Kazutaka Jin**

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

S-17 Symposium 17**Jp****Aug 31 (Mon) 15:15 ~ 16:45 Room 07 (Okayama Convention Center 2F Exhibition Hall)****Dream of ideal medical care for intractable diseases: challenges and prospects**

Chairs : Jun-ichi Kira

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

Mieko Ogino

International University of Health and Welfare, School of Medicine, Office of Medical Education

S-17-1 Medical care network under the act on medical care for patients with intractable diseases**Jun-ichi Kira**

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

S-17-2 To establish the transition support systems for patients with childhood-onset chronic diseases**Naoko Kakee**

Division of Bioethics, National Center for Child Health and Development

S-17-3 The hopes and expectations for the development of the Intractable/Rare Disease Act by the afflicted**Tateo Itou**

Japan Patients Association

S-17-4 How to deal with ultra-high-cost medical care to intractable disease**Mieko Ogino**

International University of Health and Welfare, School of Medicine, Office of Medical Education

Nominal support: The Japanese Society of Medical Networking for Intractable Diseases

S-18 Symposium 18**Jp****Aug 31 (Mon) 15:15 ~ 16:45 Room 09 (Okayama Prefectural Medical Association Office 4F Conference Room 402)****New development of evolving intractable muscle diseases**

Chairs : Kazuma Sugie

Department of Neurology, Nara Medical University

Yukiko Hayashi

Department of Pathophysiology, Tokyo Medical University

S-18-1 Frontier in distal myopathy**Ichizo Nishino**

Department of Neuromuscular Research, National Institute of Neuroscience, NCNP

S-18-2 **Diagnosis of inclusion body myositis and development of new treatments**

Masashi Aoki

Department of Neurology, Tohoku University School of Medicine

S-18-3 **Adult patients with congenital myopathy**

Yukiko Hayashi

Department of Pathophysiology, Tokyo Medical University

S-18-4 **Frontiers in the diagnosis and treatment of Danon disease and related autophagic vacuolar myopathies**

Kazuma Sugie

Department of Neurology, Nara Medical University

S-19 Symposium 19

Jp

Aug 31 (Mon) 15 : 15 ~ 16 : 45

Room 12 (Okayama International Center 8F Event Hall)

The development for Japan's prion disease research leading in the world

Chairs : Masahito Yamada

Department of Neurology and Neurobiology of Aging, Kanazawa University
Graduate School of Medical Sciences

Katsuya Satoh

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

S-19-1 **Creutzfeldt-Jakob disease/Gerstmann-Sträussler-Scheinker disease**

Nobuo Sanjo

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

S-19-2 **Neuroimaging studies in prion disease**

Koji Fujita

Department of Neurology, Tokushima University Hospital

S-19-3 **Cerebrospinal fluid analysis for the diagnosis in prion disease patients**

Katsuya Satoh

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

S-19-4 **Neuropathology of prion disease**

Yasushi Iwasaki

Institute for Medical Science of Aging, Aichi Medical University

S-19-5 **Treatment for prion diseases**

Yoshio Tsuboi

Department of Neurology, Fukuoka University

Nominal support:

Japanese Society for Neuroinfectious Disease, Asian Pacific Society of Prion Research (APSPR)

Front line of neuromodulation by non-invasive brain stimulation - from basic to clinical

Chairs : Yasuo Terao

Department of Medical Physiology

Ritsuko Hanajima

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

HT-01-1 Recent Topics in Neuromodulation by transcranial Static Magnetic Stimulation

Tatsuya Mima

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

HT-01-2 Clinical application of neuromodulation with transcranial electrical stimulation

Katsuya Ogata

School of Pharmacy at Fukuoka, International University of Health and Welfare, Japan

HT-01-3 Effects of quadripulse stimulation (QPS) on sequential motor learning

Takahiro Shimizu

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

HT-01-4 Bypassing damaged neural pathways via a neural interface

Yukio Nishimura

Neuroprothetics Project, Tokyo Metropolitan Institute of Medical Science, Japan

Studies on multifactorial diseases using "Big Data"

Chairs : Yoichiro Kamatani

Graduate School of Frontier Sciences, the University of Tokyo

Hiroyuki Ishiura

Department of Neurology, The University of Tokyo

HT-02-1 Understanding complex diseases using genomic big data

Yoichiro Kamatani

Graduate School of Frontier Sciences, the University of Tokyo / RIKEN Center for Integrative
Medical Sciences

HT-02-2 Genomic studies of Parkinson's disease and its application

Wataru Satake

Dept Neurol, The Univ of Tokyo

HT-02-3 Clinical phenotypes and genes in ALS from the big data and perspectives on therapeutic development

Naoki Atsuta

Department of Neurology, Nagoya University Hospital

HT-02-4 An integrative multi-omics approach for dementia**Daichi Shigemizu**

Medical Genome Center, National Center for Geriatrics and Gerontology / Medical Research Institute, Tokyo Medical and Dental University / RIKEN Center for Integrative Medical Sciences

HT-02-5 Large-scale exome analysis highlights genetic complexity in epileptic encephalopathy**Atsushi Takata**

Department of Human Genetics, Yokohama City University Graduate School of Medicine

HT-03 Hot Topics 03**En**

Aug 31 (Mon) 13:30 ~ 15:00 Room 01 (Okayama Convention Center 4F Conference Room 405)

Dawn of new era: management of migraine headacheChairs : **Koichi Hirata**

Department of Neurology, Dokkyo Medical University

Yasuo Terayama

Neurological Institute, Shonan Keiiku Hospital

HT-03-1 Current migraine management**Hisaka Igarashi**

Headache Unit, Department of Internal Medicine, Fujitsu Clinic, Japan

HT-03-2 Anti-CGRP antibodies**David W. Dodick**

Mayo Clinic, USA

**HT-03-3 Gepants and lasmiditan:
novel players in acute migraine treatment****Mamoru Shibata**

Department of Neurology, Keio University School of Medicine, Japan

HT-03-4 Devices (Cefaly/gammaCore)**Daisuke Danno**

Headache center, Department of Neurology, Tominaga hospital, Japan

HT-03-5 Multidisciplinary team approaches for intractable chronic pain**Takahiro Ushida**

Multidisciplinary Pain Center, Aichi Medical University, Japan

Nominal support: Japanese Headache Society

The future of neurology utilized AI and BMI

Chairs : Shunya Takizawa

Division of Neurology, Department of Internal Medicine, Tokai University
School of Medicine

Yasuyuki Iguchi

Department of neurology, the Jikei University school of medicine

HT-04-1 Machine learning underpinning AI and BMI for clinical application to neurological disorders

Takashi Hanakawa

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

HT-04-2 Understandings of higher-order functional circuit through transcranial magnetic stimulation

Ken-ichiro Tsutsui

Laboratory of Systems Neuroscience, Tohoku University Graduate School of Life Sciences

HT-04-3 Application of BMI-mediated Neurofeedback technique in rehabilitation medicine

Masahito Mihara

Department of Neurology, Kawasaki Medical School

HT-04-4 Prospect of teleneurology

Yasuyuki Iguchi

Department of Neurology, the Jikei University School of Medicine

HT-04-5 Functional recovery in neuromuscular disease by the introduction of HAL[®]

Keiji Yamaguchi

Ichinomiya Nishi Hospital

Future prospects of drug development for neurological disorders by major pharmaceutical companies and Public Private Partnership

Chairs : Taknori Yokota

Department of Neurology, Tokyo Medical and Dental University

Shinichi Takahashi

Saitama Medical University International Medical Center, Department of
Neurology and Stroke**HT-05-1 Success and Challenge of Academia-driven R&D for Medical Innovation**

Yoji Nagai

Kobe University Hospital, Clinical & Translational Research Center

HT-05-2 National strategy for drug discovery through industry-academia collaboration
Hideshi Senba
 Ministry of Education, Culture, Sports, Science and Technology-Japan Life Sciences Division,
 Research Promotion Bureau

HT-05-3 Open innovation at pharmaceutical companies
Toshiyuki Nakanishi
 R&D Planning & Management Department, R&D Division, Daiichi Sankyo

HT-05-4 Recent Advances in Precision Medicine Approaches to Making Breakthrough Medicines for CNS Diseases
Ceri H. Davies
 Takeda Pharmaceuticals Company, Japan

HT-05-5 Biogen Perspective on Drug Development for Neurological Diseases
 The example of Alzheimers Disease
Alfred Sandrock
 Biogen Inc., USA

HT-06 Hot Topics 06

Proposed symposium **Jp**

Aug 31 (Mon) 15:15 ~ 16:45 Room 02 (Okayama Convention Center 4F Conference Room 407)

Next steps to overcome proteinopathies

Chairs : Hitoshi Shimada

Department of Functional Brain Imaging Research (DOFI), National Institute of Radiological Sciences (NIRS), National Institutes for Quantum and Radiological Science and Technology (QST)

Takashi Nonaka

Dementia Research Project, Tokyo Metropolitan Institute of Medical Science

HT-06-1 Prion-like properties of intracellular protein aggregates
Takashi Nonaka
 Dementia Research Project, Tokyo Metropolitan Institute of Medical Science

HT-06-2 Next generation therapeutic targets for Synucleinopathy
Ayami Okuzumi
 Department of Neurology Juntendo University School of Medicine / Doshisha University
 Graduate School of Brain Science

HT-06-3 What is the rationale for anti-amyloid beta therapy in Alzheimer's disease?
Atsushi Iwata
 Department of Neurology, Tokyo Metropolitan Geriatric Medical Center Hospital

HT-06-4 Neuropathological study of tauopathy and development of new treatments
Miho Uematsu
 Department of Immunology and Genomics, Osaka City University Graduate School of Medicine

Shinsuke Ishigaki

Research Division of Dementia and Neurodegenerative Disease, Nagoya University Graduate School of Medicine / Department of Neurology, Nagoya University Graduate School of Medicine
/ Brain and Mind Research Center, Nagoya University