

New Frontiers in the Treatment of Epilepsy 2020

Chairs : Riki Matsumoto
 Division of Neurology, Kobe University Graduate School of Medicine
 Hiroshi Shigeto
 Department of Health Sciences, Graduate School of Medical Sciences,
 Kyushu University

HT-01-1 Medical management, and hopefully, prevention of epilepsy: the cutting edge and future perspectives

Masako Kinoshita
 Department of Neurology, National Hospital Organization Utano National Hospital, Japan /
 Department of Neurology, Nara Medical University, Japan

HT-01-2 Evaluation of drug toxicity and efficacy based on human iPSC-derived neuronal activities

Ikuro Suzuki
 Department of Electronics, Tohoku Institute of Technology, Japan /RIKEN BioResource
 Research Center, Japan

HT-01-3 Closed Loop Neuromodulation for the Treatment of Epilepsy with Responsive Neurostimulation

Dileep R. Nair
 Epilepsy Center, Cleveland Clinic, USA

HT-01-4 Stereo-EEG guided thermocoagulation

Koichi Hagiwara
 Epilepsy and Sleep Center, Fukuoka Sanno Hospital, Japan

Nominal supported by: Japan Epilepsy Society /
 Japanese Society of Clinical Neurophysiology

Goal image of Stroke and Cardiovascular Disease Control Act

Chairs : Yoichiro Hashimoto
 Department of Neurology, Kumamoto City Hospital
 Hidehiro Takekawa
 Stroke Center, Dokkyo Medical University

HT-02-1 Enactment of the Stroke and Cardiovascular Disease Control Act in Japan

Kazuo Minematsu
 Headquarters of the Iseikai Medical Corporation, Japan /Japan Stroke Association, Japan

HT-02-2 Goals of stroke awareness to prevent, save lives and reduce disabilities

Hidehiro Takekawa
 The Japan Stroke Association, Japan /Dokkyo Medical University, Japan

HT-02-3 Stroke systems of care
Hiroshi Yamagami
 NHO Osaka National Hospital, Japan

HT-02-4 Medical system of stroke care
Yasuyuki Iguchi
 Department of Neurology, the Jikei University School of Medicine, Japan

HT-02-5 Collaboration between medical care and welfare and human resource development
Shigeru Fujimoto
 Division of Neurology, Department of Medicine, Jichi Medical University, Japan

HT-02-6 Promotion of registry and research
Teruyuki Hirano
 Department of Stroke and Cerebrovascular Medicine, Kyorin University School of Medicine, Japan

HT-02-7 Future initiatives based on the Cerebrovascular and Cardiovascular Disease Control Act
Megumu Mori
 Cancer and Disease Control Division, Health Service Bureau, Ministry of Health, Labour and Welfare, Japan

HT-03 Hot Topics 03

Proposed symposium **Jp**

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

Room 02 (ICC Kyoto 1F Annex Hall 1)

Drug discovery for myelopathy based on the pathomechanism of neurodamage

Chairs : **Tetsuo Ando**
 Anjo Kosei Hospital
Yoshihisa Yamano
 Division of Neurology, Department of Internal Medicine, St. Marianna University School of Medicine

HT-03-1 Development of therapeutic strategies to repair neuronal network for the CNS diseases
Toshihide Yamashita
 Department of Molecular Neuroscience, Graduate School of Medicine, Osaka University, Japan

HT-03-2 Neurological disorders of HTLV-1 Associated Myelopathy/Tropical Spastic Paraparesis
Natsumi Araya
 Institute of Medical Science, St. Marianna University School of Medicine, Japan

HT-03-3 Pathogenesis and treatment of anti-AQP4 antibody-positive neuromyelitis optica
Ichiro Nakashima
 Division of Neurology, Tohoku Medical and Pharmaceutical University, Japan

HT-03-4 Pathology and treatment of hereditary spastic paraplegia

Yuta Ichinose

Department of Neurology, University of Yamanashi, Japan

HT-04 Hot Topics 04

Proposed symposium

Web

En

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

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

Interdisciplinary research between dementia and epilepsy

Chairs : Naoki Akamatsu

International University of Health and Welfare School of Medicine,

Department of Neurology, International University of Health and Welfare

Narita Hospital, Epilepsy Center

Takeshi Kihara

Kobe City Medical Center West Hospital, Department of Neurology

HT-04-1 Late-onset epilepsy of unknown etiology:
cognitive performance and EEG characteristics

Riki Matsumoto

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

HT-04-2 Proposal for a vicious cycle model between Alzheimer's disease and
epilepsy

Akira Kuzuya

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

HT-04-3 Mechanisms of memory impairment in epilepsy

Taira Uehara

Department of Neurology, International University of Health and Welfare Narita Hospital, Japan

∕Epilepsy Center, International University of Health and Welfare Narita Hospital, Japan

HT-04-4 Impact of neuronal activity on tau release, tau propagation, and
progression of Alzheimer's disease

Shuko Takeda

Clinical Gene Therapy, Graduate School of Medicine, Osaka University, Japan

HT-05 Hot Topics 05

Jp

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

Room 02 (ICC Kyoto 1F Annex Hall 1)

Overcome the challenges of cerebellar ataxia

Chairs : Ichiro Yabe

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

Yoshio Ikeda

Department of Neurology, Gunma University Graduate School of Medicine

HT-05-1 The development of biomarker for ataxia

Shinichi Shirai

Hokkaido University Department of Neurology, Japan

- HT-05-2** **Development of treatments for multiple system atrophy**
Jun Mitsui
 Department of Molecular Neurology, The University of Tokyo, Graduate School of Medicine, Japan
- HT-05-3** **Disease-modifying therapy for polyglutamine diseases using protein aggregation inhibitors**
Eiko Minakawa
 Department of Degenerative Neurological Diseases, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan
- HT-05-4** **Investigation of cerebellar ataxia utilizing iPS cells**
Keiko Muguruma
 Kansai Medical University, Japan
- HT-05-5** **Gene therapy against Spinocerebellar Ataxia type 1**
Kyota Fujita
 Department of Neuropathology, Medical Research Institute, Tokyo Medical and Dental University, Japan

HT-06 Hot Topics 06**Web En**

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

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

New diagnostic and therapy strategies for PSP/CBD

Chairs : Takeshi Ikeuchi
 Brain Research Institute, Niigata University
 Ikuko Aiba
 Department of Neurology, National Hospital Organization Higashinagoya
 National Hospital

- HT-06-1** **Current status and future perspective of clinical diagnosis of PSP/CBD**
Irene Litvan
 US San Diego, Department of Neuroscience, USA
- HT-06-2** **Seeded amplification-based assays for neurodegenerative protein-misfolding diseases**
Eri Saijo
 UCB Biopharma, Neuroscience TA Neurodegeneration, Belgium
- HT-06-3** **In-vivo visualization of tau depositions in the PSP and CBD brains**
Makoto Higuchi
 National Institutes for Quantum and Radiological Science and Technology, Japan
- HT-06-4** **CSF and blood biomarkers for PSP**
Kensaku Kasuga
 Department of Molecular Genetics, Brain Research Institute, Niigata University, Japan
- HT-06-5** **Clinical spectrum of pathologically diagnosed CBD**
-Japanese multicenter study-
Ikuko Aiba
 Department of Neurology, National Hospital Organization Higashinagoya National Hospital, Japan

Innovative management can bring bright future for Parkinson's disease

Chairs : Tetsuya Maeda

Neurology & Gerontology, Iwate Medical University

Taku Hatano

Juntendo University Faculty of Medicine

HT-07-1 Management of Parkinson disease using wearable devices

Roongroj Bhidayasiri

Chulalongkorn Centre of Excellence for Parkinson Disease & Related Disorders, Department of Medicine, Faculty of Medicine, Chulalongkorn University, King Chulalongkorn Memorial Hospital, Thailand

HT-07-2 New technologies for monitoring of Parkinson's disease

Genko Oyama

Department of Neurology, Juntendo University, Japan

HT-07-3 An exploratory study on expanding cybernetic treatment from neuromuscular to Parkinson's disease

Takashi Nakajima

Dept. of Neurology, National Hospital Organization Niigata National Hospital, Japan

HT-07-4 Telemedicine for Parkinson's disease, future direction

Yoshio Tsuboi

Department of Neurology, Japan

Discovery of autoantibodies against neuronal proteins: its clinical impact on neurology and psychiatry

Chairs : Takahiro Iizuka

Department of Neurology, Kitasato University School of Medicine

Shunya Nakane

Department of Molecular Neurology & Therapeutics, KUMAMOTO UNIVERSITY HOSPITAL

HT-08-0 Overviewdesignated
comment

Shunya Nakane

Department of Molecular Neurology & Therapeutics, KUMAMOTO UNIVERSITY HOSPITAL

HT-08-1 Autoantibody-mediated movement disorders: anti-mGluR1 and anti-IgLON5 antibodies related disorders

Akio Kimura

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

HT-08-2 Parkinsonism and autonomic disorder: nicotinic AChR antibody

Keiichi Nakahara

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

- HT-08-3** Paraneoplastic cerebellar degeneration- GRP78 antibody
Fumitaka Shimizu
 Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine, Japan
- HT-08-4** Schizophrenia and autoantibodies:
 introduction of anti-PDHA1 antibody
Yukako Nakagami
 Kyoto University Health Services, Japan / Department of Preventive Services, School of Public Health / Medicine and Medical Science, Kyoto University, Japan
- HT-08-5** Autoantibody related pain and autonomic disorders:
 VGKC-complex (LGI-1, Caspr-2) autoantibodies
Osamu Watanabe
 Division of Neurology, Kagoshima City Hospital, Japan

HT-09 Hot Topics 09**Web En**

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

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

How to treat obstructive sleep apnea syndrome in older adults? -Missing treatment option for dementia-

Chairs : **Naoko Tachibana**
 Center for Sleep-related Disorders, Kansai Electric Power Hospital
Takuya Oguri
 Department of Neurology, Tosei General Hospital

- HT-09-1** The Relationship between Obstructive Sleep Apnea Syndrome and
 Alzheimers Disease
Sonia Ancoli-Israel
 University of California, San Diego, USA
- HT-09-2** Epidemiology and clinical features of sleep-disordered breathing in
 patients with dementia
Takuya Oguri
 Department of Neurology, Tosei General Hospital, Japan
- HT-09-3** Could CPAP be one of the interventions to prevent dementia in older
 adults?
Naoko Tachibana
 Center for Sleep-related Disorders, Kansai Electric Power Hospital, Japan / Division of Sleep
 Medicine, Kansai Electric Power Medical Research Institute, Japan
- HT-09-4** Oral appliance to treat OSAS in older adults:
 When do we need to consult a dentist to treat dementia?
Hiroko Tsuda
 Sleep apnea center, General dentistry Kyushu University Hospital, Japan

HT-09-5 How to treat obstructive sleep apnea syndrome in older adults?
Missing treatment option for dementia

Makoto Kawai

Division of Sleep Medicine, Department of Psychiatry and Behavioral Sciences, Stanford University, Japan

Nominal supported by: Integrated Sleep Medicine Society Japan

HT-10 Hot Topics 10

Web En

May 22 (Sat) 15:00 ~ 17:00

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

Strategy toward regenerative medicine in neurological disorders using stem cells - the current situation and issues

Chairs : Hideki Mochizuki

Department of Neurology, Osaka University Graduate School of Medicine

Akihiko Taguchi

Institute of Biomedical Research and Innovation at Kobe, Department of Regenerative Medicine Research

HT-10-1 Stem cell therapy for stroke

Akihiko Taguchi

Institute of Biomedical Research and Innovation at Kobe, Department of Regenerative Medicine Research, Japan

HT-10-2 Regenerative therapy for spinal cord injury using iPSCs

Narihito Nagoshi

Department of Orthopaedic Surgery, Keio University School of Medicine, Japan

HT-10-3 iPS cell-based therapy for Parkinson's disease

Jun Takahashi

Kyoto University, Center for iPS Cell Research and Application, Japan

HT-10-4 Advantages and recent developments of autologous cell therapy for Parkinson's disease patients

Ole Isacson

Neuroregeneration Institute, McLean Hospital and Harvard Medical School, USA