

Lecture 1

(Proposed Symposium)

E-01 May 20 (Wed) 9:50~11:50 Room4(Toki Messe301, 3F)

Important treatable neurologic metabolic disorders which can not be overlooked at diagnosis

Chairs: Yukio Ando

(Department of Neurology, Graduate School of Medical Sciences, Kumamoto University)

Hiroaki Miyajima

(First Department of Medicine, Hamamatsu University School of Medicine)

E-01-1 Wilson disease, from diagnosis to treatment

Speaker: Norikazu Shimizu

(Department of Pediatrics, Toho University School of Medicine, Ohashi Medical Center)

E-01-2 The point for prompt diagnosis of adrenoleukodystrophy (ALD), and HSCT for ALD

Speaker: Takashi Matsukawa

(The University of Tokyo Hospital)

E-01-3 Clinical heterogeneity in cerebrotendinous xanthomatosis

Speaker: Shingo Koyama

(Department of Neurology, Hematology, Metabolism, Endocrinology, and Diabetology)

E-01-4 Diagnosis and therapeutic options for familial amyloid polyneuropathy

Speaker: Yoshiki Sekijima

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

E-01-5 Neurologic disorders related with senile systemic amyloidosis and the therapies

Speaker: Yukio Ando

(Department of Neurology, Graduate School of Medical Sciences, Kumamoto University)

Lecture 2

E-02 May 20 (Wed) 13:15~15:15 Room4(Toki Messe301, 3F)

Cellular and molecular mechanisms of α -synuclein toxicity

Chairs: Kenjiro Ono

(Department of Neurology and Neurobiology and Aging,
Kanazawa University Graduate School of Medical Science)

Takafumi Hasegawa

(Division of Neurology, Department of Neuroscience &
Sensory Organs, Tohoku University Graduate School of
Medicine)

E-02-1 The inhibitor of α -synuclein aggregation with a
focus on organic compounds

Speaker: Kenjiro Ono

(Department of Neurology and Neurobiology and Aging,
Kanazawa University Graduate School of Medical Science)

E-02-2 Role of post-translational modifications in α -
synuclein pathological function

Speaker: Shigeki Arawaka

(Dep. of Neurology, Hematology, Metabolism, Endocrinology,
and Diabetology, Yamagata University Faculty of Medicine)

E-02-3 Degradation of alpha-synuclein in autophagy-
lysosome pathway

Speaker: Hideaki Matsui

(Department of Neuroscience, University of Miyazaki)

E-02-4 Molecular basis of the prion-like hypothesis for
 α -synuclein propagation

Speaker: Takafumi Hasegawa

(Division of Neurology, Department of Neuroscience &
Sensory Organs, Tohoku University Graduate School of
Medicine)

Lecture 3



E-03 May 21 (Thu) 8:00~10:00 Room5(Toki Messe302, 3F)

International progress of epilepsy treatment

Chairs: Akio Ikeda

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

Hiroshi Sigeto

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

**E-03-1 Worldwide current and future state of epilepsy
treatment**

Speaker: Samuel Wiebe

(International League Against Epilepsy/University of
Calgary, Canada)

E-03-2 Comprehensive Drug Treatment of Epilepsy

Speaker: Byung-In Lee

(Yonsei University College of Medicine, Korea)

**E-03-3 Slow or DC shifts as the index of epileptogenicity: a
possible role of glia**

Speaker: Kyoko Kanazawa

(Department of Neurology, Takeda General Hospital)

E-03-4 Innovative drug development in epilepsy field

Speaker: Sunao Kaneko

(North Tohoku Epilepsy Center, Minato Hospital)

Sponsored by : The Japan Epilepsy Society

Lecture 4

E-04 May 21 (Thu) 8:00~10:00 Room13(Hotel Nikko NiigataToki-B, 4F)

Microglia now could be an actress in a leading role in certain neurological disorders

Chairs: Mari Yoshida

(Institute for Medical Science of Aging, Aichi Medical University)

Akiyoshi Kakita

(Brain Research Institute, University of Niigata)

E-04-1 Neuroaxonal dystrophy with leukoencephalopathy due to primary microgliopathy

Speaker: Takeshi Ikeuchi

(Brain Research Institute, Niigata University)

E-04-2 Morphological abnormality of microglia in brains of patients with HDLS

Speaker: Mari Tada

(Department of Pathology, Brain Research Institute, Niigata University)

E-04-3 Microglial pathology in Nasu-Hakola diseased brains: Roles for the pathogenesis

Speaker: Atsushi Sasaki

(Department of Pathology, Saitama Medical University)

E-04-4 Neuron-microglia crosstalk in neurodegeneration disease

Speaker: Tetsuya Mizuno

(Department of Neuroimmunology, Research Institute of Environmental Medicine, Nagoya University)

Sponsored by : The Japanese Society of Neuropathology

Lecture 5

E-05 May 21 (Thu) 15:10~16:50 Room9(Toki MesseExhibition Hall B-1, 1F)

Recent Progress in Experimental Cerebral Ischemia & Translational Research for Stroke Patients

Chairs: Kazuo Kitagawa

(Department of Neurology, Tokyo Women's Medical University School of Medicine)

Takanari Kitazono

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

E-05-1 Roles of pericyte in ischemic stroke

Speaker: Tetsuro Ago

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

E-05-2 Clinical application of low-dose G-CSF in acute ischemic stroke

Speaker: Shunya Takizawa

(Department of Neurology, Tokai University School of Medicine)

E-05-3 The roots and fate of endogenous neural stem cells induced by ischemic stroke

Speaker: Tomohiro Matsuyama

(Laboratory of Neurogenesis and CNS Repair, Institute for Advanced Medical Sciences, Hyogo College of Medicine)

E-05-4 Autologous Bone Marrow Mononuclear Cell Transplantation for Stroke Patients

Speaker: Akihiko Taguchi

(Department of Regenerative Medicine Research, Institute of Biomedical Research and Innovation)

Lecture 6 (Proposed Symposium)

E-06 May 21 (Thu) 15:10~16:50 Room5(Toki Messe302, 3F)

Diagnosis and therapy: Neurologic symptoms of the immune-mediated medical diseases

Chairs: Keiko Tanaka

(Department of Life Science, Medical Research Institute and
Department of Neurology, Kanazawa Medical University)

Kyoichi Nomura

(Department of Neurology, Saitama Medical Center)

**E-06-1 Pathogenesis, diagnosis and management of
neuropsychiatric SLE manifestations**

Speaker: Wataru Ishii

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

**E-06-2 Neurological involvement in Behçet's disease and
the related disorders**

Speaker: Kinya Hisanaga

(Departments of Neurology and Clinical Research Center,
National Hospital Organization, Miyagi Hospital)

**E-06-3 Neurological symptoms in rheumatoid
arthritis/rheumatoid vasculitis**

Speaker: Shinsuke Yasuda

(Division of Rheumatology, Endocrinology and Nephrology,
Hokkaido University)

**E-06-4 Diagnosis and Treatment of neural involvement in
IgG4-related disease**

Speaker: Hisanori Umehara

(Department of Clinical Immunology, Graduate School of
Medicine and Faculty of Medicine, Kyoto University)

Lecture 7

E-07 May 21 (Thu) 15:10~16:50 Room11 (Hotel Nikko NiigataKujaku, 3F)

Updates in hereditary neurological disorders

Chairs: Ryuji Kaji

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

Yoshio Tsuboi

(Department of Neurology, Fukuoka University)

E-07-1 Molecular genetics of multiple system atrophy

Speaker: Jun Mitsui

(Department of Neurology, Graduate School of Medicine, University of Tokyo)

E-07-2 Phenotypic spectrum of TUBB4A-associated hypomyelinating leukoencephalopathies

Speaker: Satoko Miyatake

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

E-07-3 ER morphology and pathogenesis of hereditary spastic paraplegia

Speaker: Michiko Shirane

(Medical Institute of Bioregulation, Kyushu University)

E-07-4 Motor neuron diseases caused by TFG mutations

Speaker: Toshitaka Kawai

(Department of Clinical Neuroscience, Institute of Health Biosciences, The University of Tokushima Graduate School)

E-07-5 What does TDP-43 pathology tell us the molecular mechanism for neurodegeneration?

Speaker: Osamu Onodera

(Department of Molecular Neuroscience, BrainResearchInstitute, Niigata University)

Lecture 8

E-08 May 22 (Fri) 8:00~10:00 Room2(Toki MesseMain Hall B, 2F)

Pathophysiology in molecular imaging

Chairs: Hironaka Igarashi

(Center for Integrated Human Brain Science, Brain Research
Institute, Niigata University)

Hidenao Fukuyama

(Department of Functional Brain Imaging Human Brain
Research Center Kyoto University Graduate School of
Medicine)

E-08-1 Accumulation of misfolded proteins and clinical
symptom of dementia

Speaker: Nobuyuki Okamura

(Department of Pharmacology, Tohoku University School of
Medicine)

E-08-2 Amyloid and tau imaging of elderly patients with
depression.

Speaker: Yoshiro Okubo

(Department of Neuropsychiatry, Nippon Medical School)

E-08-3 MRI-VBM in relation to clinical symptom and
pathology in dementia

Speaker: Hiroshi Matsuda

(Integrative Brain Imaging Center, National Center of
Neurology and Psychiatry)

E-08-4 MRS for clinical diagnosis of dementia-state of the
art

Speaker: Akihiko Shiino

(Biomedical MR Science Center, Shiga University of Medical
Science)

E-08-5 Functional imaging targeting mitochondria in
neurological diseases

Speaker: Makoto Yoneda

(Fukui Prefectural University)

E-08-6 Diagnostic utility and clinical significance of tau
PET imaging with 11C-PBB3 **adopted**

Speaker: Hitoshi Shimada

(Molecular Neuroimaging Program, Molecular Imaging
Center, National Institute of Radiological Sciences)

Lecture 9

E-09 May 22 (Fri) 8:00~10:00 Room13(Hotel Nikko NiigataToki-B, 4F)

Recent advances in immune-mediated neuropathies:
pathogenesis and treatment

Chairs: Kenichi Kaida

(Division of Neurology, Department of Internal Medicine,
National Defense Medical College)

Yasuo Terao

(Department of Neurology, University of Tokyo)

E-09-1 The prognostic parameter and therapeutic strategy
for Guillain-Barré syndrome

Speaker: Yoshiyuki Mitsui

(Kinki University Faculty of Medicine Department of
Neurology)

E-09-2 Pathophysiology of antibody-mediated nerve injury
in Guillain-Barré syndrome

Speaker: Ken-ichi Kaida

(Division of Neurology, Department of Internal Medicine,
National Defense Medical College)

E-09-3 A novel electrophysiological approach for GBS and
CIDP: MATS coil stimulation

Speaker: Hideyuki Matsumoto

(Department of Neurology, Japanese Red Cross Medical
Center)

E-09-4 Pathogenesis and therapeutics of IgM MGUS
associated with anti-MAG neuropathy

Speaker: Masahiro Iijima

(Department of neurology, Nagoya University Graduate
School of Medicine/Department of therapeutics for
intractable neurological disorders, Nagoya University
Graduate School of Medicine)

Lecture 10

E-10 May 22 (Fri) 13:30~15:30 Room2(Toki MesseMain Hall B, 2F)

Endovascular Therapy for Acute Ischemic Stroke —

Presence of Neurologist in the Innovative Practice —

Chairs: Tatsuro Takada

(Department of Strokology, Stroke Center, St. Marianna
University Toyoko Hospital)

Hiroshi Yamagami

(Dept. of Neurology, National Cerebral and Cardiovascular
Center)

E-10-1 Current status of acute stroke reperfusion therapy

Speaker: Mikito Hayakawa

(Department of Cerebrovascular Medicine, National Cerebral
and Cardiovascular Center)

E-10-2 Late-breaking Issues of Endovascular Treatment
for Ischemic Stroke in the US

Speaker: Nobuyuki Ohara

(Department of Vascular Neurology, National Hospital
Organization, Osaka Minami Medical Center / Department of
Neurology & Stroke Center, Ronald Reagan UCLA Medical
Center)

E-10-3 Clinical results of transferred patients for
endovascular therapy

Speaker: Seigo Shindo

(Hyogo College of Medicine, Stroke Center)

E-10-4 Strategies to Improve Door-to-Reperfusion Time in
Acute Ischemic Stroke

Speaker: Tomohide Yoshie

(Department of Strokology, Stroke Center, St. Marianna
University, Toyoko Hospital)

E-10-5 The treatment and prognosis of acute proximal
internal carotid artery occlusion. **adopted**

Speaker: Junpei Koge

(Kokura Memorial Hospital)

E-10-6 Endovascular Therapy for Acute Stroke -An
important role of Neurologists-

Speaker: Kenji Sugiu

(Department of Neurological Surgery, Okayama University
Graduate School of Medicine)

Sponsored by : The Japanese Society for Neuroendovascular Therapy

Lecture 11

E-11 May 22 (Fri) 13:30~15:30 Room5(Toki Messe302, 3F)

Firing debate on the putative theories of migraine
pathogenesis – up to date

Chairs: Yasuhisa Kitagawa

(Department of Neurology, Tokai University Hachioji
Hospital)

Norihiro Suzuki

(Department of Neurology, Keio University)

E-11-1 Controversy over the vascular theory in migraine
pathophysiology

Speaker: Toshihiko Shimizu

(Department of Neurology, Keio University School of
Medicine)

E-11-2 The validity and non-validity of neural theory on
migraine pathophysiology

Speaker: Eiichiro Nagata

(Department of Neurology, Tokai University School of
Medicine)

E-11-3 Validity and invalidity of the trigemino-vascular
theory in migraine pathogenesis

Speaker: Hisanori Kowa

(Division of Neurology, Dept. of Brain and Neurosciences,
Faculty of Medicine, Tottori University)

E-11-4 Migraine Generator of Brainstem- reasonable or not?

Author: Junichi Hamada

(Department of Neurology, Kitasato University Kitasato Institute Hospital)

Speaker: Takahiro Iizuka

(Department of Neurology, Kitasato University Kitasato Institute Hospital)

[Topics]

E-11-5 Microglial activation by multiple inductions of cortical spreading depression **adopted**

Speaker: Tsubasa Takizawa

(Department of Neurology, Keio University School of Medicine)

Sponsored by : The Japanese Headache Society

Lecture 12

E-12 May 22 (Fri) 13:30~15:30 Room13(Hotel Nikko NiigataToki-B, 4F)

Analysis of the pathogenesis for neurologic metabolic disorders and their disease modifying therapies

Chairs: Yoshiki Sekijima

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

Mitsuharu Ueda

(Department of Neurology, Kumamoto University Hospital)

E-12-1 Pathogenesis and treatments of familial amyloid polyneuropathy

Speaker: Mitsuharu Ueda

(Department of Neurology, Kumamoto University Hospital)

E-12-2 Clinical pictures and therapeutic strategy in adult-onset citrullinemia

Speaker: Masahide Yazaki

(Institute for Biomedical Sciences, Shinshu University /
Department of Medicine (Neurology and Rheumatology),
Shinshu University School of Medicine)

E-12-3 Future direction of enzyme replacement therapy for Fabry disease

Speaker: Toya Ohashi

(Division of Gene Therapy, Research Center for Medical Sciences, The Jikei University School of Medicine)

E-12-4 Chaperon Therapy for lysosomal storage disease

Speaker: Eiji Nanba

(Research Center for Bioscience and Technology, Tottori University / Center for Promoting Next-generation Highly Advanced Medicine, Tottori University Hospital)

Lecture 13

E-13 May 23 (Sat) 8:00~10:00 Room2(Toki Messe Main Hall B, 2F)

Lifestyle-related diseases and Alzheimer disease

Chairs: Haruo Hanyu

(Department of Geriatric Medicine, Tokyo Medical University)

Hiroyuki Arai

(Institute of Development, Aging and Cancer)

E-13-1 Hypertension and dementia

Speaker: Katsuhiko Kohara

(Department of Geriatric Medicine and Neurology)

E-13-2 Diabetes-related dementia

Speaker: Haruo Hanyu

(Department of Geriatric Medicine, Tokyo Medical University)

E-13-3 Dyslipidemia and Alzheimer's disease

Speaker: Akira Tamaoka

(Department of Neurology, Faculty of Medicine, University of Tsukuba)

E-13-4 Exercise for Prevention of Dementia

Speaker: Takao Suzuki

(National Center for Geriatrics and Gerontology)

Sponsored by : Japan Society for Dementia Research

Lecture 14



E-14 May 23 (Sat) 8:00~10:00 Room4(Toki Messe301, 3F)

Don't miss it: the up-to-date information useful in the management of iNPH, and its importance for neurological practice

Chairs: Takahiko Tokuda

(Department of Molecular Pathobiology of Brain Disease
(Neurology), Kyoto Prefectural University of Medicine)

Etsuro Mori

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

E-14-1 Introduction: importance of iNPH for neurological practice

Speaker: Takahiko Tokuda

(Department of Molecular Pathobiology of Brain Diseases
(Neurology), Kyoto Prefectural University of Medicine)

E-14-2 Why and how neurologist should be involved in caring of iNPH patients

Speaker: Carsten I. Wikkelsø

(Sahlgrenska Academy, University of Gothenburg, Sweden)

E-14-3 A genetic risk factor for idiopathic normal pressure hydrocephalus (iNPH)

Speaker: Takeo Kato

(Department of Neurology, Hematology, Metabolism,
Endocrinology and Diabetology, Yamagata University
Faculty of Medicine)

E-14-4 Randomized controlled trial of lumbo-peritoneal shunt for iNPH: SINPHONI-2

Speaker: Etsuro Mori

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

Lecture 15



E-15 May 23 (Sat) 8:00~10:00 Room12(Hotel Nikko NiigataToki-A, 4F)

Current therapeutic management of bacterial meningitis

Chairs: Satoshi Kamei

(Divison of Neurology, Department of Medicine, Nihon
University Schoool of Medicine)

Tatsufumi Nakamura

(Department of Social Work, Faculty of Human and Social
Studies)

E-15-1 Advances in the Treatment of Bacterial Meningitis

Speaker: Abhijit Chaudhuri

(Queen's Hospital, NHS England, UK)

**E-15-2 Clinical management of child patients with bacterial
meningitis in Japan**

Speaker: Mitsuaki Hosoya

(Department of Pediatrics, Fukushima Medical University)

**E-15-3 Clinical management of adult patients with bacterial
meningitis in Japan**

Speaker: Harumi Ishikawa

(Division of Neurology, Department of Medicine, Nihon
University School of Medicine)

E-15-4 Vaccines for Bacterial Meningitis in Japan

Speaker: Akihiko Saitoh

(Department of Pediatrics, Niigata University Graduate School
of Medical and Dental Sciences/Pediatric Infectious
Diseases, University of California, San Diego, USA)

Sponsored by : Japanese Society for Neuroinfectious Diseases