

Programs

Technical and Educational Seminars for Neuropathology Beginners

June 4 (Thu) 10 : 00-14 : 40 Hall B

E-1-E1

Procedures of Autopsy and Brain Cutting for Neuropathology

Hashimoto Tomoyo

Department of Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan

E-1-E2

Neuropathological Technique in Brain Banking

Shigeo Murayama¹), Yuko Saito²)

1) Department of Neuropathology (the Brain Bank for Aging Research), Tokyo

Metropolitan Geriatric Hospital and Institute of Gerontology, 2) Department of Pathology and Laboratory Medicine, National Center for Neurology and Psychiatry, Tokyo, Japan

E-1-E3

Pathology with Virtual Slide System

Hiroshi Uozaki

Department of Pathology, The University of Tokyo Hospital, Tokyo, Japan

E-1-E4

Diagnostic Histopathology of the Central Nervous System

Takashi Komori

Department of Clinical Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan

E-1-E5

A Practical Approach to the Intraoperative Diagnosis of Brain and Spinal Lesions

Junko Hirato¹), Machiko Yokota²)

1) Department of Pathology, Gunma University Hospital, 2) Department of Human Pathology, Gunma University Graduate School of Medicine, Gunma, Japan

E-1-E6

Immunohistochemistry in Neuropathology

Mitsunori Yamada

Department of Clinical Research, Saigata National Hospital, Niigata, Japan

E-1-E7

Histopathological Diagnosis of Infectious Diseases of the CNS

Masayuki Shintaku

Department of Pathology, Osaka Red Cross Hospital, Osaka, Japan

E-1-E8

Muscle and Nerve Biopsy. Preparation of Specimen for Pathological Examination

Shiro Matsubara

Department of Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan

E-1-E9

Utility of Electronmicroscopy on the Diagnosis of Brain Tumors

Takanori Hirose

Department of Diagnostic Pathology, Tokushima Prefectural Central Hospital, Tokushima, Japan

E-1-E10

Application of Molecular Technique to Analysis of Pathological Specimens

Shinya Tanaka¹)²)

1) Laboratory of Cancer Research, Department of Pathology, 2) Department of Translational Pathology, Hokkaido University Graduate School of Medicine, Hokkaido, Japan

Symposium: ALS June 4 (Thu) 15:00-18:00 Hall B

S-1-B1

Basic Neuropathology of Sporadic Amyotrophic Lateral Sclerosis

Hitoshi Takahashi

Department of Pathology, Brain Research Institute, University of Niigata, Niigata, Japan

S-1-B2

TDP-43 Pathology in ALS

Tetsuaki Arai¹, Masato Hasegawa², Takashi Nonaka², Fuyuki Kametani², Mari Yoshida³, Yoshio Hashizume³, Zen Kobayashi^{1,4}, Kuniaki Tsuchiya^{1,5}, Haruhiko Akiyama¹

¹Department of Psychogeriatrics, ²Department of Molecular Neurobiology, Tokyo Institute of Psychiatry, Tokyo Metropolitan Organization for Medical Research, ³Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, ⁴Department of Neurology and Neurological Science, Graduate School, Tokyo Medical and Dental University, ⁵Department of Laboratory Medicine and Pathology, Tokyo Metropolitan Matsuzawa Hospital

S-1-B3

Amyotrophic Lateral Sclerosis and Frontotemporal Lobar Degeneration: Connecting the Dots Through TDP-43

Virginia M.-Y. Lee

Center for Neurodegenerative Disease Research, University of Pennsylvania.

S-1-B4

Genetic Aspects of Amyotrophic Lateral Sclerosis

Shoji Tsuji

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

S-1-B5

AMPA Receptor-Mediated Neuronal Death in Sporadic ALS

Shin Kwak

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

S-1-B6

Pathology of Protein Synthesis and Degradation System in ALS

Koichi Okamoto, Yukio Fujita, Yuji Mizuno

Department of Neurology, Gunma University Graduate School of Medicine

Seminar with Supper (Bento) June 4 (Thu) 18:00-19:00 Hall E

Lessons learned from the “Healthy” Elderly in a Community: “Dementia and Mortality” and “AVIM (asymptomatic ventriculomegaly with features of iNPH on MRI)”

Takeo Kato

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

Diagnostic Slide Sessions June 4 (Thu) 19:00-21:00 Hall B

SS-1-B1

4 month-old male infant with cerebellar midline tumor occupying the fourth ventricle

J Hirato

Dept. of Pathol., Gunma Univ. Hospital

SS-1-B2

8 year-old-boy with the onset of walk disturbance and the rapid progress of muscle hypertonicity

S Yamashita

Division of Child Neurology, Kanagawa Children's Medical Center

SS-1-B3

A case of tumor of the third ventricle

Y Sugita

Dep. of Pathol., Univ. of Kurume

SS-1-B4

77-year-old woman presenting with progressive dementia whose MRI revealed characteristic findings in the early stage

K Ishihara¹, M Kawamura¹, T Kitamoto², I Nakano³

¹Dept. of Neurol., Showa Univ., ²Dept. of Neurol. Sci., Tohoku Univ., ³Dept. of Neurol., Jichi Med. Sch.

SS-1-B5

A 82-year-old woman with multiple mass lesions on head MRI

M Yoshida

Inst. for Med. Science for Aging, Aichi Med Univ.

SS-1-B6

An autopsy case of late onset psychomotor epilepsy

Y Saito

Dept. of Neuropathol. TMGH

Oral Presentations June 5 (Fri) 8:30-10:00 Hall A

O-2-A01

Recovery mechanism from the transient tissue damage of liver, kidney and heart in G93A ALS model mouse: contribution of HGF/phosphor-c-Met (pc-Met) system

S Kato¹, M Kato², A Hirano³, M Aoki⁴, Y Itoyama⁴, W Oya⁵, H Funakoshi⁵, T Nakamura⁶

¹Dept. of Neuropathol., Univ. of Tottori, ²Dept. of Mol. Pathol., Univ. of Tottori, ³Div. of Neuropathol., Monte. Med. Center, ⁴Dept. of Neurol., Univ. of Tohoku, ⁵Div., Mol. Regen. Med. Univ. of Osaka, ⁶Center Adv. Sci. Innov., Univ. of Osaka

O-2-A02

Nuclear TAR DNA binding protein 43 expression in spinal cord neurons correlates with the clinical course in amyotrophic lateral sclerosis

H Sumi¹, S Kato², Y Mochimaru³, H Fujimura⁴, M Etoh¹, S Sakoda¹

¹Dept. of Neurol., Osaka Univ., ²Dept. of Neuropathol., Tottori Univ., ³Dept. of Health Sci., Osaka Univ., ⁴Dept. of Neurol., Toneyama Nat. Hosp.

O-2-A03

The expression of TDP-43 and the morphological change in neuronal nuclei in ALS1 model mice

G Beck¹, H Sumi¹, S Kato², M Yamadera¹, K Fukada¹, S Sakoda¹

¹Dept. of Neurol., Univ. of Osaka, ²Dept. of Neuropathol., Univ. of Tottori

O-2-A04

Involvement of apoptosis-inducing factor in familial amyotrophic lateral sclerosis

N Shibata¹, A Kakita², H Takahashi², Y Ihara³, K Nobukuni³, H Fujimura⁴, S Sakoda⁵, M Kobayashi¹

¹Dept. of Pathol., Tokyo Women's Med. Univ., ²Dept. of Pathol., Brain Research Institute, Univ. of Niigata, ³Dept. of Neurol., National Hospital Organization Minami-Okayama Med. Center, ⁴Dept. of Neurol., National Hospital Organization Toneyama Hospital, ⁵Dept. of Neurol., Osaka Univ. Graduate School of Med.

O-2-A05

Accumulation of Omi/HtrA2 in the anterior horn cells form patients with ALS

Y Kawamoto¹, H Ito², Y Kobayashi², Y Suzuki³, I Akiguchi⁴, R Takahashi²

¹Department of Neurology, Seijinkai Simizu Hospital, ²Department of Neurology, Faculty of Medicine, Kyoto University, ³Department of Degenerative Neurological Diseases, National Institute of Neuroscience, National Center of Neurology and Psychiatry, ⁴Center of Neurological and Cerebrovascular Diseases, Koseikai Takeda Hospital

O-2-A06

Inclusion formation with Endosomal Sorting Complexes Required for Transport (ESCRT) in Sporadic Amyotrophic Lateral Sclerosis (ALS)

M Hiji^{1,2}, T Takahashi², M Oda¹, H Ito¹, H Yamashita², Y Izumi³, T Kohriyama², M Matsumoto²

¹Dept. of Neurol., Viha-ra Hananosato Hosp., ²Dept. of Neurol., Hiroshima Univ. school of medicine, ³Dept. of Neurol., Tokushima Univ. school of medicine

O-2-A07

TDP-43 positive glial inclusions in sporadic amyotrophic lateral sclerosis

M Yamadera¹, H Sumi¹, G Beck¹, H Hujimura³, S Kato², S Sakoda¹

¹Dept. of Neurol., Univ. of Osaka, ²Dept. of Neuropathol., Univ. of Osaka, ³Dept. of Neurol., Toneyama National Hospital

O-2-A08

A clinicopathological study on amyotrophic lateral sclerosis with ubiquitin-positive inclusions in dentate granule cells of hippocampus

A Ikemoto¹, T Naruse¹, A Yagi¹, M Ihara², H Ito²

¹Dept. of Neurol, Kyoto City Rehabili. Ctr. for Disabilities, ²Dept. of Neurol., Kyoto Univ.

O-2-A09

Upper motor neuron involvement in diffuse neurofibrillary tangles with calcification (DNTC) : a clinicopathological study of five autopsy cases

K Tsuchiya¹, H Nakayama², C Haga³, H Akiyama³

¹Dept. of Lab. Med. and Pathol., Tokyo Metropolitan Matsuzawa Hosp., ²Dept. of Psychiatry, Narikidai Hosp., ³Dept. of Neuropathol., Tokyo Inst. of Psychiatry

Presidential Lecture June 5 (Fri) 10:00-10:40 Hall A

PL-2-A1

Pursuing the Truth of What We See

Kiyomitsu Oyanagi

Department of Neuropathology, Tokyo Metropolitan Institute for Neuroscience

Plenary Lectures June 5 (Fri) 10:40-12:00 Hall A

PL-2-A2

Pathological TDP-43 Defines a Novel Class of Degenerative Disorders

John Q. Trojanowski

University of Pennsylvania School of Medicine, Philadelphia, PA

PL-2-A3

Neuropathology of Familial Parkinsonism

Dennis W. Dickson

Neuropathology Laboratory, Mayo Clinic, Jacksonville, FL, U.S.A.

Oral Presentations June 5 (Fri) 13:00-15:00 Hall A

O-2-A10

Amyotrophic lateral sclerosis with loss of Betz cells and astrocytosis in precentral gyrus layer 5: Clinicopathological study of two autopsy cases

Y Manabe, K Tsuchiya, H Akiyama

Depart. of Neuropathol., Tokyo Institute of Psychiatry

O-2-A11

Role of proteasomes in the degeneration and phosphorylated neurofilaments accumulation of spinal motor neurons in ALS

N Kimura¹, Y Shinkawa², K Nakamura^{1,2}, T Masuda¹, T Kumamoto¹, E Ohama³

¹Dept. of Internal Medicine 3, ²Oita University, ³Dept. of Neuropathology

O-2-A12

Rough endoplasmic reticulum alterations in the anterior horn neurons of the spinal cord in sporadic amyotrophic lateral sclerosis

S Sasaki, T Takeda, A Honma, S Uchiyama

Dept. of Neurology, Tokyo Women's Med. Univ.

O-2-A13

Cystatin C immunoreactivity and neurodegeneration in amyotrophic lateral sclerosis

F Mori, K Wakabayashi

Department of Neuropathology, Hirosaki University Graduate School of Medicine

O-2-A14

Affinity to thiazin red in relation to silver staining profile in tau or synuclein deposits

T Uchihara¹, K Tsuchiya², K Shibuya³, H Akiyama⁴, A Nakamura¹, S Yagishita⁵, T Mizutani⁶

¹Dept. of Neurology, Tokyo Metropol. Inst Neurosci, ²Dept. of Pathology, Tokyo Metropol. Matsuzawa Hosp., ³Dept. Neuropsychiatry, Houyuu Hosp., ⁴Dept. of Psychogeriatrics, Tokyo Inst. Psychiat., ⁵Dept. of Pathol., Kanagawa Rehabilitation Hosp, ⁶Dept. of Pathol, Tokyo Metropol Neurol Hosp

O-2-A15

Progranulin expression in the brain of Alzheimer's disease and dementia with Lewy bodies

H Akiyama¹, T Arai¹, M Hasegawa¹, Y Shimomura¹, H Kondo¹, C Haga¹, K Tsuchiya², K Niizato², K Oshima², M Onaya³, M Kato⁴

¹Tokyo Institute of Psychiatry, ²Tokyo Metropolitan Matsuzawa Hospital, ³National Shimofusa Mental Hospital, ⁴Soga Hospital

O-2-A16

TDP-43 dimerization in human brain tissues and cell cultures

J Satoh¹, Y Shiina¹, H Tabunoki¹, K Arima²

¹Dept. of Bioinformatics, Meiji Pharm. Univ., ²Dept. of Psychiat., NCNP Hosp.

O-2-A17

TDP-43 and neuron death: Observation in the parkinsonism-dementia complex of Guam

K Oyanagi¹, M Yamazaki^{1,4}, T Hashimoto^{1,5}, K Wakabayashi², H Takahashi³

¹Dept. of Neuropathol. Tokyo Met. Inst. Neurosci., ²Dept. of Neuropathol., Graduate Sch. of Med., Hiroaki Univ., ³Dept. of Pathology, Brain Res. Inst., Niigata Univ., ⁴Dept. of Neurol., Nippon Med. Univ., ⁵Tokyo Gas

O-2-A18

The p-TDP-43 and NFTs in the ALS of Guam

T Hashimoto^{1,2}, M Hasegawa³, M Yamazaki^{1,4}, E Kawakami¹, T Arai⁵, H Akiyama⁵, A Kakita⁶, K Tsuchiya⁷, T Morita⁸, T Mizutani⁹, H Takahashi¹⁰, K Oyanagi¹

¹Dept. of Neuropathol. Tokyo Met. Inst. Neurosci., ²Tokyo Gas, ³Tokyo Inst. Psychiatry, ⁴Dept. of Neurology, Nippon Med. Univ., ⁵Tokyo Inst. Psychiatry, ⁶Brain Res. Inst., Niigata Univ., ⁷Dept. of Lab. Med., Tokyo Met. Matsuzawa Hosp., ⁸Dept. of Pathol., Shinrakuen Hosp., ⁹Dept. of Lab. Med., Tokyo Met. Neurol. Hosp., ¹⁰Dept. of Pathol.. Brain Res. Inst., Niigata Univ.

O-2-A19

A role of aquaporin-4 in pathogenesis of AIDS encephalopathy

HQ Xing¹, H Hayakawa¹, K Mori², C Sugimoto², S Arishima¹, R Kubota¹, E Gelpi³, H Budka³, S Izumo¹

¹Div. of Molecular Pathol. CTR for Chr. Viral Dis., Kagoshima Univ., ²AIDS Reserch Ctr, National Institute of Infectious Diseases, ³Institute of Neurology, Medical University Vienna

O-2-A20

Clinicopathological characteristics of A-related granulomatous angitis of the central nervous system

M Mimuro¹, M Yoshida¹, S Yamada², E Hayakawa³, K Imamura⁴, N Ujihira⁵, M Hirayama³, H Fujimoto⁶, Y Hashizume¹

¹Dept. of Neuropathol., Inst. Med. Sci. Aging, Aichi Med. Univ., ²Dept. of Neurol., Nagoya. Univ., ³Dept. of Neurol., Kasugai Municipal Hosp., ⁴Dept. of Neurol., Okazaki city Hosp., ⁵Dept. of Pathol., Ekisaikai Hosp., ⁶Dept. of Neurol., Toyonaka Municipal Hosp..

O-2-A21

Skin lesions of pure neural leprosy in Myanmar

M Goto¹, K Kyaw², T Aung³, J En^{1,4}, S Kitajima⁵

¹Dept. of Human Pathol., Kagoshima Univ., ²Central Special Skin Clinic, Yangon General Hosp., Myanmar, ³Dept. of Pathol., Univ. of Med. (1), Yangon, ⁴National Sanatorium Hoshizuka-Keiaien, ⁵Dept. of Pathol., Kagoshima Univ. Hosp.

Memorial Ceremony June 5 (Fri) 16:00-16:30 Hall A

F-2-A1

In Commemoration of the Fiftieth Anniversary of the Japanese Society of Neuropathology

Takuya Kojima

President, The Japanese Society of Psychiatry and Neurology

F-2-A2

Congratulations on the 50th Anniversary of Japanese Society of Neuropathology

Shigeki Kuzuhara

President of Japanese Society of Neurology

F-2-A3

A Message of Congratulations

Nobuo Hashimoto
President, Japan Neurosurgical Society
F-2-A4

Congratulations on Your 50th Anniversary. Best Wishes for Your Next 50 years

R. Yoshiyuki Osamura
Chair, The Japanese Society of Pathology

Memorial Symposium June 5 (Fri) 16:30-17:30 Hall A

MS-2-A1

European Neuropathology in the Past Half Century

Akira Hori
Choku-Igaku Research Institute, Fukushima Hospital and Institute for Clinical Research, Tottori Medical Center
MS-2-A2

My Personal Experience in the Neuropathology in the USA: Past Development and Future Consideration

Kinuko Suzuki
Professor Emeritus, Department of Pathology and Laboratory Medicine, University of North Carolina at Chapel Hill, NC, USA
MS-2-A3

The Fifty Years History and Future Development of the Japanese Society of Neuropathology

Yoshio Hashizume
President of the Japanese Society of Neuropathology
Professor, Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Aichi, Japan

Memorial Lectures June 5 (Fri) 17:30-18:30 Hall A

ML-2-A1

From Neurology with Love

Ichiro Kanazawa
President of Science Council of Japan, President Emeritus of National Center for Neurology and Psychiatry
ML-2-A2

Studies of Neuropathology over the Last Half Century

Asao Hirano
Montefiore Medical Center/ Albert Einstein College of Medicine

Memorial Celebration Party June 5 (Fri) 19:00- ANA Hotel Clement Takamatsu, Hall Hiten

F-2-ANA1

The Japan Society of Brain Tumor Pathology Arisen from The Japanese Society of Neuropathology

Jun Yoshida
Director, The Japan Society of Brain Tumor Pathology
F-2-ANA2

Congratulations on 50th Anniversary of JSNP !

Haruhiko Sakamoto
Dean, Faculty of Medicine, Kagawa University, Kagawa, Japan
F-2-ANA3

The International Society of Neuropathology Celebrates the Golden Anniversary of the Founding of the Japanese Society of Neuropathology

Bernardino Ghetti
President, International Society of Neuropathology
F-2-ANA4

Congratulations on the 50th Anniversary of the Japanese Society of Neuropathology

Herbert Budka
President-Elect, International Society of Neuropathology and President of Organizing Committee International Congress of Neuropathology in Salzburg, Sept. 11-15, 2010
F-2-ANA5

Here are the sincerest and warmest congratulations from Chinese Society of Neuropathology to the 50th anniversary of Japanese Society of Neuropathology

Luning Wang

Chairman, Chinese Society of Neuropathology

F-2-ANA6

Congratulations on the 50th Anniversary of the Japanese Society of Neuropathology

John Q. Trojanowski

Plenary Lecturer, University of Pennsylvania School of Medicine, Pennsylvania, USA

Oral Presentations June 5 (Fri) 8:30-10:00 Hall B

O-2-B01

Gene transfection with lipid-like self-assembling nanotube

D Yoshida, K Kouketu, R Nomura, A Teramoto

Department of Neurosurgery, Nippon Medical School

O-2-B02

Proteomic analysis of the age-related changes in protein expression in the brain of SAMP10 mouse: a model of cerebral degeneration

A Furukawa¹, A Shimada¹, S Oikawa², Y Chiba¹, S Ishii¹, N Kawamura¹, S Takei¹, M Hosokawa¹

¹Dept. of Pathology, Inst. for Developmental Research, Aichi Human Service Center, ²Dept. of Environmental and Molecular Medicine, Mie University Graduate School of Medicine.

O-2-B03

Degenerative morphology and defective responses to excitotoxic insults of microglia in SAMP10 mice; a model of age-dependent cerebral degeneration

S Ishii, A Shimada, Y Chiba, A Furukawa, N Kawamura, S Takei, M Hosokawa

Dept. of Pathol., Inst. for Developmental Research, Aichi Human Service Center

O-2-B04

Immunoexpression of 14-3-3 proteins in hippocampal dentate gyrus and olfactory bulb during postnatal development of rat brain

T Umahara¹, T Uchihara², A Nakamura², T Iwamoto¹

¹Dept. of Geriatric Medicine, Tokyo Medical Univ., ²Dept. of Neurology, Tokyo Metropolitan Institute for Neuroscience

O-2-B05

A genomic screen for novel genes with an axon degeneration

S Yonekura¹, J Nagasao¹, S Gao²

¹Dept. of Mol Neuropathol, TMIN, ²Unit on Neuronal Connectivity, NICHD, NIH, USA

O-2-B06

Adenovirus-mediated inhibition of proteolytic and cell death pathways in normal and injured adult rat motoneurons

J Nagasao, K Akiyama, K Watabe

Dept. of Molecular Neuropathology, Tokyo Metropolitan Institute for Neuroscience

O-2-B07

A transgenic mice model expressing both human mutant (P123H) ; - and -synuclein recapitulate the pathogenesis of dementia with Lewy bodies

M Fujita¹, M Nakai¹, A Sekigawa¹, S Sugama¹, M Waragai¹, T Takenouchi¹, T Tsukui², S Inoue³, M Hashimoto¹

¹Tokyo Metro. Inst. for Neurosci., ²Res. Ctr. for Genomic Med., Saitama Med. Sch., ³Grad. Sch. of Med., Univ. of Tokyo

O-2-B08

Mechanism of GAPDH-mediated neuronal cell death in LAMP-2 deficient mice

Y Fujimoto^{1,2}, A Furuta¹, K Wada¹

¹Dept. of Degenerative Neurol. Dis., National Inst. of Neurosci., NCNP, ²Grad. Sch. of Adv. Sci. and Engineer., Waseda Univ.

O-2-B09

Neuropathological evidence in LAMP-2 deficient mice

A Furuta, H Kikuchi, K Wada

Dept. of Degenerative Neurol. Dis., National Inst. of Neurosci., NCNP

Oral Presentations June 5 (Fri) 13:00-14:40 Hall B

O-2-B10

Mitochondrial fission factor Drp1 is essential for neurite elongation and synapse formation in mammals

SO Suzuki¹, H Kato^{1,2}, A Jofuku², A Kondo¹

¹Dept. of Neuropathol., Kyushu Univ., ²Dept. of Mol. Biol., Kyushu Univ.

O-2-B11

Modulation of neuroinflammatory system by transplantation of mesenchymal stem cell line in MCAO model rats

A Sheikh¹, A Nagai¹, K Wakabayashi², Y Shiota², D Narantuya², S Kobayashi³, S Yamaguchi², J Masuda¹

¹Dept. of Lab. Med., Shimane University, ²Dept of Int. Med. III, Shimane University, ³Shimane University Hospital

O-2-B12

Telbivudine combined with pegylated interferon result in acute toxic neuropathy

Y Yuan¹, RL Zheng¹, W Zhang¹

¹ Department of Neurology and Laboratory of Neuropathology, Peking University First Hospital, 8 Xishiku St, Xicheng District, Beijing 100034, China

O-2-B13

The pathological changes of sural nerve in Seipinopathy

Bin Chen¹, Riliang Zheng¹, Xinghua Luan¹, Wei Zhang¹, Yun Yuan¹

¹ Department of Neurology and Laboratory of Neuropathology, Peking University First Hospital, 8 Xishiku St, Xicheng District, Beijing 100034, China

O-2-B14

Myopathy with rimmed vacuoles and plenty of lipid droplets

Y Yuan¹, JJ Chen¹, W Zhang¹

¹ Department of Neurology and Laboratory of Neuropathology, Peking University First Hospital, 8 Xishiku St, Xicheng District, Beijing 100034, China

O-2-B15

TDP-43 immunoreactivity in IBM muscle

T Kihira¹, K Murata², S Morita², A Suzuki², H Nakamine¹, T Kondo²

¹Kansai University of Health Sciences, ²Wakayama Medical University Department of Neurology

O-2-B16

TDP-43 immunohistochemical study of biopsied muscle; especially in rimmed vacuole

K Miyamoto¹, M Nagao¹, S Matsubara¹, M Toshio², T Uchihara³

¹Dept. Of Neurol. of TMNH, ²Dept. of Neuropath. of TNMH, ³Dept. of Neuropath. of TNI

O-2-B17

Neurofibrillary tangles in the peripheral sympathetic ganglia of patients with myotonic dystrophy

S Kuru¹, M Sakai¹, Y Hashizume²

¹Suzuka National Hospital, ²Department of neuropathology, Institute for Medical Science of Aging, Aichi Medical School

O-2-B18

Two novel SCN4A mutations, K1126I and R1129Q, associated with periodic paralysis

Wei Zhang¹, Daojun Hong¹, Xinghua Luan¹, Bin Chen¹, Zhaoxia Wang¹, Yun Yuan¹

¹Department of Neurology and Laboratory of Neuropathology, Peking University First Hospital, 8 Xishiku St, Xicheng District, Beijing 100034, China

O-2-B19

A wide phenotypic spectrum of desminopathy associated with a novel desmin mutation S12F

Daojun Hong¹, Xinghua Luan¹, Wei Zhang¹ and Yun Yuan¹

¹Department of Neurology and Laboratory of Neuropathology, Peking University First Hospital, 8 Xishiku St, Xicheng District, Beijing 100034, China

Poster Presentations June 5 (Fri) 9:00-10:40 Hall C

P-2-C01

A biopsy case of specific muscle pathology associated with invasive thymoma

A Hida¹, M Hashimoto¹, S Tsuji¹, J Shimizu¹, T Iwanami², Y Hatanaka², Y Takazawa³

¹Dept. of Neurol. Grad. Sch. of Med., Univ. of Tokyo, ²Dept. of Neurol. Grad. Sch. of Med., Univ. of Teikyo, ³Dept. of Pathol. Grad. Sch. of Med., Univ. of Tokyo

P-2-C02

An autopsy case of Emery-Dreifuss muscular dystrophy (EDMD) with cardiogenic emboli and without skeletal muscle dystrophy

M Mimuro¹, M Yoshida¹, Y Kobayashi², K Imamura², K Ishikawa³, Y Hashizume¹

¹Dept. of Neuropathol., Inst. Med. Sci. Aging, Aichi Med. Univ., ²Dept. of Neurol., Okazaki city Hosp., ³Dept. of cardiovascular internal medicine, Okazaki city Hosp.

P-2-C03

Are nemaline bodies accompanied with lobulated fibers diagnostic ?

Y Oya¹, I Nishino², K Arima³

¹Dept Neurol NCHpNMD, NCNP, ²Dept Muscular Dis, Natl Inst Neurosci, NCNP, ³Dept Pathol Lab Med & Dept Psychiatr

P-2-C04

Brain abnormalities in a 25-week acardiac fetus

K Yamaguchi¹, K Honma¹, N Masawa¹

¹Dept. of Pathol., Dokkyo Univ. Sch. of Med., ²Dept. of Neuropediatr. Southern Tohoku General Hosp.

P-2-C05

A Japanese autopsy case of congenital atrophy of granular layer of cerebellum (Norman type)

T Makifuchi, T Inazu, T Oshima, T Shimomura

NHO Saigata National Hospital

P-2-C06

An autopsy case of congenital hydranencephaly survived until 28 years old

M Araia¹, H Yokoo¹, Y Nakazato¹, A Sakurai²

¹Dept of Human Pathol, Gunma Univ Grad Sch of Med, ²Hanna-Sawarabi Ryoikuen

Poster Presentations June 5 (Fri) 13:00-14:50 Hall C

P-2-C07

Lesion of the hypoglossal nucleus and hyperplasia of the area postrema in perinatal HIE

S Kanda¹, M Hayashi²

¹Dept. of Pediatrics, Tokyo Metrop. Fuchu Med. Cent. for the Disabled, ²Dept. of Clin. Neuropathol., Tokyo Metrop. Inst. for Neurosci.

P-2-C08

Neuropathological analysis of Rasmussen encephalitis

N Arai¹, A Murakami², K Kawachi², A Nezu³, S Takeshita³, K Ichikawa³

¹Dept. of Clin. Neuropathol., TMIN, ²Dep.of Pathology, Yokohama City University Hospital, ³Dept.of Pediatrics, Yokohama City University Hospital

P-2-C09

An 85-year-old autopsy case with spinocerebellar ataxia type 2 (SCA2) combined with Alzheimer pathology

C Ishida¹, K Komai¹, K Yonezawa³, K Sakajiri³, E Nitta³, A Kawashima⁴, M Yamada⁵

¹Dept. of Neurol., Natl. Hosp. Org., Iou Hosp., ²Dept. of Orth., Yonezawa Hosp., ³Dept. of Neurol., Natl. Hosp. Org., Kanazawa Med. Center, ⁴Dept. of Pathol., Natl. Hosp. Org., Kanazawa Med. Center, ⁵Dept. of Neurol. and Neurobiol. of Aging, Kanazawa Univ. Grad. Sch. of Med. Sci.

P-2-C10

The electron microscopical study of neuronal inclusion body in a case of SCA8

M Ishiyama¹, S Yagishita¹, T Yokoyama², K Hasegawa³, T Uchihara⁴

¹Dept. of Pathol. Kanagawa Rehabilitation Center, ²NHO Hakone Hospital, ³NHO Sagamihara Hospital, ⁴Tokyo Metropolitan Institute for Neuroscience

P-2-C11

An autopsy case of SCA17

T Yokoyama¹, K Hasegawa¹, S Yagishita²

¹Department of Neurology, Sagamihara National Hospital, ²Division of Pathology, Kanagawa Rehabilitation Center

P-2-C12

Limbic and extralimbic encephalitis associated with gastric cancer: An autopsy case of a 62-year-old female with MSA-C

Y Riku¹, R Nakamura¹, Y Goto¹, K Mano¹, M Yoshida², Y Hashizume²

¹Dept. of Neurol., Nagoya 1st. Red Cross Hosp., ²Dept. of Neuropathol., Institute for Medical Science of Aging, Aichi Med. Univ.

P-2-C13

An autopsy case of undifferentiated malignant tumor with conglomerate inclusions in the spinal cord and brainstem

M Hashimoto¹, S Morita², H Kowa¹, A Iwata¹, J Shimizu¹, S Tsuji¹, N Fukushima², M Fukayama², S Murayama³

¹Dept. of Neurology, Graduate School of Medicine, The University of Tokyo, ²Dept. of Pathology, Graduate School of Medicine, The University of Tokyo, ³Dept. of Neuropathology, Tokyo Metropolitan Institute of Gerontology

P-2-C14

An autopsy case with eosinophilic neuronal inclusion bodies in the central and peripheral nervous systems

F Mori¹, T Kusumi², H Kijima², K Wakabayashi¹

¹Department of Neuropathology, Hirosaki University Graduate School of Medicine, ²Department of Pathology and Bioscience, Hirosaki University Graduate School of Medicine

P-2-C15

An autopsy case of paraneoplastic limbic and brain stem encephalitis

M Shibuya¹, T Taguchi², T Ishiko², M Takeguti², K Nanri²

¹Dept. of Pathology, Hachioji Medical Center, Tokyo Medical University, ²Dept. of Neurology, Hachioji Medical Center, Tokyo Medical University

P-2-C16

An autopsy case of paraneoplastic sensory neuropathy with transient consciousness disturbance

A Niwa^{1,4}, Y Matino^{2,4}, S Nakayama², K Tsutsui³, M Mimuro⁵, Y Kokubo⁴, H Tomimoto⁴, Y Hashizume⁵

¹Dept. of General Affairs, Mie Pref., ²Dept. of Neurol., National Mie Hosp., ³Dept. of Int. Medicine, National Mie Hosp., ⁴Dept. of Neurol., Mie Univ., ⁵Dept. of Neuropathol., Inst. Med. Sci. Aging, Aichi Med. Univ.

P-2-C17

Degeneration of spinal lateral funiculi in a 71-year-old female with large cell carcinoma of lung

T Koide¹, T Sakaguchi², B To³, T Hashimoto⁴, K Oyanagi⁴

¹Department of Neurology, Hiratsuka Municipal Hospital, ²Department of Internal Medicine, Hiratsuka Municipal Hospital, ³Department of Pathology, School of Medicine, Keio University, ⁴Department of Neuropathology, Tokyo Metropolitan Institute for Neuroscience

Memorial Poster Exhibitions – Diseases Established/Deeply Examined in Japan June 5 (Fri) and 6 (Sat) Hall C

DE-3-A1

Dentatorubral-pallidolusian atrophy (DRPLA)

DE-3-A2

The first autopsy case of diffuse Lewy body disease (DLBD)

DE-3-A3

Nasu-Hakola disease- the first case reported by Nasu-

DE-3-A4

The Pathology of Methylmercury Poisoning (Minamata disease)

DE-3-A5

Neuropathologic findings of HTLV-1-associated myelopathy/Tropical spastic paraparesis (HAM/TSP)

DE-3-A6

Ubiquitin-positive tau-negative intraneuronal inclusions in the extramotor cortices of dementia patients with ALS

DE-3-A7

A new autosomal-dominant cerebellar ataxia identified in Japan

DE-3-A8

The 30 years' Track to the Discovery of PARK2

DD-3-A9

Medulloepithelioma

Poster Presentations June 5 (Fri) 9:00-10:00 Hall D

P-2-D01

An autopsy case of brain abscess complicating an intracerebral hematoma

E Mukai¹, M Ueda¹, S Okuda¹, S Moritani²

¹Dept. of Neurol., Nagoya Med. Center, ²Dept. of Pathol., Nagoya Med. Center

P-2-D02 **Acute neurogenic pulmonary edema: autopsy case report**

T Ohtoh¹, T Oikawa², S Shibuya², H Mochiduki²

¹Dept. of Pathol., Southmiyagi MC., ²Dept. of Neurology, Southmiyagi MC.

P-2-D03

An autopsy case of posterior spinal artery syndrome

J Matsubayashi¹, K Tsuchiya², S Shimizu³, N Kitagawa³, Y Wakabayashi⁴, M Kuroda⁵, T Nagao¹, M Sakurai³

¹Dept. of Diagnostic Pathology, Tokyo Medical University, ²Dept. of Laboratory Medicine and Pathology, Tokyo Metropolitan Matsuzawa Hospital, ³Dept. of Internal Medicine, Kosei Chuo General Hospital, ⁴Dept. of Radiology, Kosei Chuo General Hospital, ⁵Dept. of Pathology, Tokyo Medical University

P-2-D04

An autopsy case of deep cerebral venous thrombosis

A Hiroi^{1,3}, Y Mochizuki^{1,4}, M Bando², T Mizutani¹

¹Dept. of pathol., Tokyo metrop. neurol. hosp., ²Dept. of neurol., Tokyo metrop. neurol. hosp., ³Dept. of pathol., TWUMU, ⁴Dept. of int. med., Tokyo metrop. kita med. rehab. center

P-2-D05

An autopsy case of a putative dural arteriovenous fistula of the cavernous sinus with ischemic lesions extending from the medulla oblongata (MO) to the cervical cord

M Ikemura¹, Y Hatanaka², J Fukushima³, T Shimizu², I Nakano⁴, T Fukusato¹

¹Dept. of Pathol., Teikyo Univ. Sch. of Med., ²Dept. of Neurol., Teikyo Univ. Sch. of Med., ³Dept. of Pathol., Teikyo Univ. Hosp., ⁴Dept. of Neurol., Jichi Med. Univ.

P-2-D06

An autopsy case with painless acute aortic dissection, presenting with the neurological symptoms and signs, and died at 6 hours after the onset

K Nakamura^{1,2}, N Kimura¹, T Uchida², H Ueyama¹, M Moriyama², T Kumamoto¹

¹Dept. of Internal Medicine 3., Univ. of Oita, ²Dept. of Molecular Pathology., Univ. of Oita

Poster Presentations June 5 (Fri) 13:00-14:50 Hall D

P-2-D07

An autopsy verified contrast in two cases of AD with or without Lewy bodies, in terms of depletion of cardiac sympathetic nerve and synuclein deposition

S Toru¹, M Takahashi¹, M Takata¹, A Machida¹, T Kobayashi¹, K Hirokawa², T Endo³, M Kurata³, M Kitagawa³, K Ichihara⁴, T Uchihara⁴

¹Dept. of Neurol., Nakano general hospital, ²Dept. of Pathol., Nakano general hospital, ³Dept. of Pathol., Tokyo med. and dent. univ., ⁴Neurol., Tokyo Metropoli. Inst. for Neurosci.

P-2-D08

Dementia with Lewy body disease (DLB) with normal cardiac uptake of MIBG

Y Yokokawa¹, I Alba¹, Y Saito¹, S Ito¹, A Goto¹, M Kenjyo¹, T Katayama¹, E Hayakawa¹, A Inukai¹, M Yoshida², Y Hashizume²

¹Dept. of Neurol., Higashi Nagoya National Hosp., ²Dept. of Neuropathol., Institute for Medical Science of Aging, Aichi Medical Univ.

P-2-D09

An autopsy case of dementia with Lewy body with Alzheimer pathology, accompanied by severe calcification of basal ganglia and cerebellum

H Yoshida^{1,3}, H Ishizu², K Ikeda², S Terada³, Y Kishimoto³, E Oshima³, T Ishihara³, S Kuroda³

¹Dept. of Neuropsychiatry, Okayama Ryogo Center, ²Zikei Hospital, ³Dept. of Neuropsychiatry, Okayama Univ.

P-2-D10

Parkinsonism variant of Alzheimer disease with DLB: presenting PSP like clinical and radiological findings

N Kasahata^{1,2}, N Arai³, Y Makita⁴

¹Department of Neurology, Tokyo Metropolitan Ohtsuka Hospital, ²Department of Neurology, Makita General Hospital, ³Department of Clinical Neuropathology, Tokyo Metropolitan Institute of Neuroscience, ⁴Department of Pathology, Makita General Hospital

P-2-D11

An autopsy case of Parkinson's disease with 27-year duration presenting widespread Lewy bodies in the brain stem

M Suzuki¹, S Ono¹, Y Ishida², K Oyanagi³

¹Dept. of Neurol., Teikyo Univ. Chiba Med. Center, ²Dept. of Pathol., Teikyo Univ. Chiba Med. Center, ³Dept. of Neuropathol., TMIN

P-2-D12

An autopsy case of parkinsonism with dementia, caused by degenerated substantia nigra and locus ceruleus, alpha-synuclein positive neurons in amygdala, and many senile plaques

T Homma¹, M Sano¹, Y Kanno², Y Obana¹, K Miki⁴, N Ishihara², M Tamura³, S Kamei², N Nemoto¹, T Mizutani²

¹Dept. of Pathol., Nihon Univ. School of Med., ²Dept. of Neurol., Nihon Univ. School of Med., ³Nagaoka Nishi Hosp., ⁴Kawaguchi Municipal Med. Center

P-2-D13

A case of dementia with Lewy body disease mimicking frontotemporal dementia

H Akatsu¹, A Hori¹, T Yamamoto¹, H Yamagata², M Mimuro³, M Yoshida³, Y Hasizume³

¹Choju Med. Inst., Fukushima Hosp., ²Ehime Univ., Grad. Sch. of Med., Dep. of Preventive Medicine,

³Aichi Med. Univ., Inst. for Med. Sci. of Aging

P-2-D14

An autopsy case of argyrophilic grain disease which revealed typically Parkinsonism

K Inoue¹, T Saito¹, A Iyama¹, H Fujimura¹, K Ueda²

¹Dept. of Neurology, Toneyama National Hospital, ²Dept. of Laboratory Medicine and Pathology

P-2-D15

Alzheimer's disease clinically misdiagnosed as corticobasal degeneration: report of three autopsy cases

K Okazaki¹, Y Nishihira¹, CF Tan¹, K Sakai², H Takahashi¹

¹Dept. of Pathol., Brain Res. Inst., Niigata Univ., ²Dept of Neurol. & Neurobiol. of Aging, Kanazawa Univ. Grad. Sch. of Med. Sci.

P-2-D16

Neuronal intranuclear hyaline inclusion disease (NIHID) presenting dementia with leukoencephalopathy

M Yoshida¹, C Kono², M Mimuro¹, Y Hashizume¹

¹Inst. for Med. Science for Aging, Aichi Med. Univ., ²Dept. of Neurology, Yagoto Hospital

P-2-D17

An autopsy case of progressive dementia, extrapyramidal sign and autonomic failure showing numerous neuronal intranuclear inclusions and white matter degeneration

S Funabe¹, M Takanashi¹, H Mori², N Hattori¹

¹Dept. of Neurology, Juntendo Univ., ²Dept. of Neurology Juntendo Koshigaya Hospital

Seminar with Lunch (Bento) June 5 (Fri) 12:00-13:00 Hall E

LN-2-E1

Clinical and Neuropathological Aspects of Degenerative Dementias

Kenji Kosaka

Yokohama Houyuu Hospital, Kanagawa, Japan

Oral Presentations June 6 (Sat) 8:30-10:30 Hall A

O-3-A01

Validation of the neuropathological criteria of the third consortium for dementia with Lewy bodies: comparison with our pathological classification

R Yamamoto^{1,2}, H Fujishiro^{1,2}, E Iseki¹, M Minegishi¹, K Kasanuki^{1,2}, S Higashi^{1,3}, H Hino³, K Fujisawa³, K Kosaka³, T Togo⁴, O Katsuse⁴, H Uchikado⁴, Y Furukawa⁴, H Arai²

¹Juntendo Tokyo Koto Geriatric Medical Center, ²Dept. of Psychiatr., Juntendo University School of Medicine, ³Hoyu Hospital, ⁴Dept. of Psychiatr., Yokohama City University School of Medicine

O-3-A02

Lewy body-related pathology in the spinal cord of incidental Lewy body disease

T Tamura¹, M Mimuro², M Yoshida², Y Hashizume², G Sobue¹

¹Dept. of Neurology, Nagoya Univ., ²Dept. of Neuropathol., Inst. for Med. Sci. of Aging, Aichi Med. Univ.

O-3-A03

The striatal dopamine transporter: from neuropathology to neuroimaging

Gabor G. Kovacs¹, Eva Keller², Ivan Milenkovic¹, Herbert Budka¹

¹Institute of Neurology, Medical University of Vienna, Vienna, Austria, ²Department of Forensic Medicine, Semmelweis University, Budapest, Hungary

O-3-A04

Immunohistochemical localization of mouse NUB1 (BS4) in transgenic mice expressing human alpha-synuclein with A53T mutation

K Tanji¹, F Mori¹, H Zhang¹, K Kito², T Kamitani³, K Wakabayashi¹

¹Dept. of Neuropathol., Hirosaki Univ. Sch. of Med., ²First Dept. of Pathol., Ehime Univ. Sch. of Med., ³Center for Molecular Chaperone, Medical College of Georgia

O-3-A05

Glycogen synthase kinase3_(GSK3_) in Lewy bodies of Parkinson`s disease

M Nagao, H Hayashi

Dept of Neurology, TMNH

O-3-A06

Immunohistochemical study of Lewy bodies using antibodies against N-terminal and C-terminal portions of G-protein-coupled receptor kinase 5

T Kato¹, T Seino¹, Y Machiya¹, M Sakamoto¹, S Hara¹, S Arawaka¹, K Wakabayashi², K Tsuchiya³, M Wada¹, T Kawanami¹, K Kurita¹

¹Dept. of Intern. Med. 3, Yamagata Univ., ²Dept. of Neuropathol., Hirosaki Univ., ³Dept. of Pathol., Matsuzawa Hosp.

O-3-A07

Heterogeneity of Lewy neurites - three-dimensional reconstruction of multi-fluololabeled sections

T Kanazawa^{1,2}, T Uchihara¹, A Takahashi³, A Nakamura¹, S Orimo^{1,4}, H Mizusawa²

¹Department of Neurology, Tokyo Metropolitan Institute for Neuroscience, ²Department of Neurology and Neurological Science, Tokyo Medical and Dental University, ³Organ and Function Pathology Division, Yokufukai Geriatric Hospital, ⁴Department of Neurology, Kanto Central Hospital

O-3-A08

Localization of LRRK2 to the endosomal-lysosomal compartment in Lewy body disease

S Higashi^{1,2,3}, DJ Moore⁴, R Yamamoto^{1,5}, M Minegishi¹, T Togo⁶, O Katsuse⁶, H Uchikado⁶, Y Furukawa⁶, H Hino³, K Kosaka³, PC Emson⁷, K Wada², VL Dawson⁸, TM Dawson⁸, H Arai⁵, E Iseki¹

¹Juntendo Tokyo Koto Geriat. Med. Center, ²Dept. of Degener. Neurol. Dis., NIN, NCNP, ³Yokohama Houyuu Hosp., ⁴Lab. of Mol. Neurodegener. Res., BMI, EPFL, ⁵Dept. of Psychi., Juntendo Univ. of Med., ⁶Dept. of Psychi., Yokohama City Univ., ⁷Babraham. Ins., ⁸Johns Hopkins Univ.

O-3-A09

Distributional pattern of autophagy-lysosomal compartments in brains of dementia with Lewy bodies

K Kasanuki^{1,2}, S Higashi^{3,4}, R Yamamoto^{1,2}, M Minegishi¹, T Togo⁵, O Katsuse⁵, H Uchikado⁵, H Hino³, K Fujisawa³, K Kosaka³, H Arai², E Iseki¹

¹Juntendo Tokyo Koto Geriat. Med. Center, ²Dept. of Psychi., Juntendo Univ. of Med., ³Yokohama Houyuu Hosp., ⁴Dept. of Degener. Neurol. Dis., NIN, NCNP, ⁵Dept. of Psychi., Yokohama City Univ.

O-3-A10

Heterozygous Inhibition in vCJD Prion Infection to advocate the stone fence model

T Kitamoto¹, S Mohri²

¹Dept. of Prion Protein, Tohoku University, ²Prion Disease Research Center, National Institute of Animal Health

O-3-A11

Analysis of the polymerization degree of prion protein after intraventricular pentosan-polysulfate infusion in human prion diseases

H Honda, H Minaki, T Shibano, K Sasaki, T Iwaki

Dept. of Neuropathol., Kyushu Univ.

O-3-A12

Analysis of polymerization degree of prion protein in the prion-infected culture cell lines

S Shibano, K Sasaki, H Minaki, T Iwaki

Dept. of Neuropathol., Kyushu Univ.

**Oral presentation of Memorial Poster Exhibitions – Diseases Established/Deeply Examined in Japan
June 6 (Sat) 10:30-12:00 Hall A**

DE-3-A1

Dentatorubral-Pallidoluysian Atrophy (DRPLA)

Mitsunori Yamada

Department of Pathology, Brain Research Institute, Niigata University

DE-3-A2

The First Autopsy Case of Diffuse Lewy Body Disease (DLBD)

Kenji Kosaka

Yokohama Houyuu Hospital

DE-3-A3

Nasu-Hakola Disease- the First Case Reported by Nasu-

M Kaneko¹, K Sano², J Nakayama³, N Amano¹

¹Dept. of Psychiatry, Univ. of Shinshu, ²Dept.Lab. Med., Univ. of Shinshu, ³Dept. of Pathol., Univ. of Shinshu,

DE-3-A4

The Pathology of Methylmercury Poisoning (Minamata disease)

Komyo Eto¹, Masumi Marumoto², Motohiro Takeya³

¹Health and Nursing Facilities for the Aged, Jushindai, Shinwakai, Kumamoto, ²Pathology Section, Department of Basic Medicine, National Institute for Minamata Disease, Kumamoto, ³Department of Cell Pathology, Graduate School of Medical Sciences, Kumamoto University

DE-3-A5

Neuropathologic Findings of HTLV-1-Associated Myelopathy/Tropical Spastic Paraparesis (HAM/TSP)

Shuji Izumo

Division of Molecular Pathology, Center for Chronic Viral Diseases, Graduate School of Medical and Dental Sciences, Kagoshima University

DE-3-A6

Ubiquitin-Positive Tau-Negative Intraneuronal Inclusions in the Extramotor Cortices of Dementia Patients with ALS

Koichi Okamoto

Department of Neurology, Gunma University Graduate School of Medicine

DE-3-A7

A New Autosomal-Dominant Cerebellar Ataxia Identified in Japan

Kinya Ishikawa and Hidehiro Mizusawa

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

DE-3-A8

The 30 Years' Track to the Discovery of PARK2

Yasuhiro Yamamura, MD

Hiroshima, Japan

DD-3-A9

Medulloepithelioma

Hitoshi Takahashi

Department of Pathology, Brain Research Institute, University of Niigata

Oral Presentations June 6 (Sat) 13:00-15:40 Hall A

O-3-A13

A case of Mixed dementia with alpha-synuclein pathology

Y Kishimoto¹, H Ishizu², H Yoshida¹, S Terada¹, S Yamamoto⁴, T Nakashima³, Y Nkashima³, S Kuroda¹

¹Dept. of Neuropsychiatry, Okayama Univ., ²ZikeiHospital, ³SanyoHospital, ⁴MakotoClinic

O-3-A14

Amygdaloid body is the initial lesion in argyrophilic grain disease

J Goto^{1,2,3}, K Tsuchiya⁴, T Arai¹, H Akiyama¹, S Shioda³

¹Dept. of Psychogeriatrics, Tokyo Institute of Psychiatry, ²Dept. of Medicine, Tokyo Metropolitan Matsuzawa Hospital, ³Dept. of Anatomy, Showa Univ. School of Medicine, ⁴Dept. of Laboratory Medicine and Pathology, Tokyo Metropolitan Matsuzawa Hospital

O-3-A15

Argyrophilic grain disease usually presents with laterality

T Adachi^{1,6}, Y Saito^{1,2}, H Hatsuta¹, A Tokumaru³, K Kanemaru⁴, K Ishii⁵, M Sawabe², K Nakashima⁶, S Murayama¹

¹Dept. of Neuropathol. of TMIG, ²Dept. pathology of TMGH, ³Dept. radiology of TMGH, ⁴Dept. of Neurology of TMGH, ⁵Dept. of PET of TMIG, ⁶Dept. of Neurol. of Tottori Uni.

O-3-A16

Effects and safety of non-viral Abeta DNA vaccine therapy in aged rhesus monkeys

Y Matsumoto, Y Tokita, K Kohyama, Y Okura

Dept. of Mol. Neuropathol., Tokyo Met. Inst. Neurosci.

O-3-A17

Intraneuronal Abeta42 and microtubule-associated protein pathologies begin in synapses

RH Takahashi¹, E Capetillo-Zarate³, MT Lin³, TA Milner³, GK Gouras³

¹Department of Pathology, Tokyo Medical University, ²Department of Pathology, National Institute of Infectious Diseases, ³Department of Neurology & Neuroscience, Weill Cornell Medical College

O-3-A18

Association of Alzheimer disease pathology with impaired glucose tolerance

T Matsuzaki¹, K Fujimi¹, K Sasaki¹, Y Matsui², A Sekita², Y Tanizaki², SO Suzuki¹, Y Kiyohara², T Iwaki¹

¹Dep. of Neuropathol., Univ. of Kyushu, ²Dept. of Medicine and Clinical Sciences., Univ of Kyushu

O-3-A19

Distribution of amyloid-like intracellular inclusion bodies in the choroid plexus epithelium

S Nakamura¹, Y Mizutani², M Kunichika¹, T Yao²

¹Div. of Biomed. Imaging Res., Juntendo Univ., ²Dept. of Pathology (I), Sch. of Med., Juntendo Univ.

O-3-A20

Pathological changes of the spinal cord in 43 Centenarians

T Iwase¹, T Mizuno¹, S Sato², T Inagaki³, K Ojika⁴, M Mimuro⁵, M Yoshida⁵, Y Hashizume⁵

¹Dept. of Neurol., Nagoya city Koseiin Medical Welfare Center, ²Dept. of Pathol., Nagoya city Koseiin Medical Welfare Center, ³Dept. of Int. Med., Nagoya city Moriyama hosp., ⁴Dept. of Neurol., Nagoya City Univ., ⁵Dept. of Neuropathol., Inst. for Med. Sci. of Aging, Aichi Med. Univ.

O-3-A21

Abnormal expressions of TDP-43 in Machado-Joseph disease (SCA3)

S Higuchi¹, T Nakajima¹, T Makibuchi²

¹NHO Niigata National Hospital, ²NHO Saigata National Hospital

O-3-A22

TDP-43-immunoreactive neuronal cytoplasmic inclusions in the lower motor neurons in Machado-Joseph disease

Y Toyoshima¹, CF Tan¹, M Yamada¹, A Yokoseki², Y Miki¹, Y Hoshi¹, H Kaneko², K Ikeuchi³, O Onodera³, A Kakita⁴, H Takahashi¹

¹Dept. of Pathology, Brain Research Institute, Niigata Univ., ²Dept. of Neurology, Brain Research Institute, Niigata Univ., ³Dept. of Molecul. Neurosci., Resource Branch for Brain Disease Research, Brain Research Institute, Niigata Univ., ⁴Dept. of Pathol. Neurosci. Resource Branch for Brain Disease Research, Brain Research Institute, Niigata Univ.

O-3-A23

Involvement of Onufrowicz nucleus in Machado-Joseph disease

H Shimizu, M Yamada, H Takahashi

Dept. of Pathol., Brain Res. Inst., Niigata Univ.

O-3-A24

Dopamine D2 receptor in SCA1

S Koyano¹, Y Kuroiwa¹, K Iwabuchi², S Yagishita³, T Uchihara⁴

¹Dept. of Neurol., Yokohama City Univ., ²Neurological Clinic of Yokohama-Yamate, ³Dept. of Pathol. Kanagawa Rehabilitation Center, ⁴Dept. of Neuropathol., Tokyo Metropolitan Institute for Neuroscience

O-3-A25

Expression array analysis on the Spinocerebellar ataxia type 7 cell model

J Fujigasaki¹, H Fujigasaki²

¹Div. Neuropathol. The Jikei Univ., ²Dep. Neurol. Musashino Red cross hospital

O-3-A26

An autopsy case of multiple system atrophy (MSA-P) with 12-year duration, who died after 4 years use of a ventilator

T Watanabe¹, T Irie¹, M Suzuki¹, S Ono¹, Y Ishida², K Oyanagi³

¹Dept. of Neurol., Teikyo Univ. Chiba Med. Center, ²Dept. of Pathol., Teikyo Univ. Chiba Med. Center, ³Dept. of Neuropathol., TMIN

O-3-A27

The involvement of olfactory- amygdala system in multiple system atrophy

T Miyagawa¹, Y Saito², T Adachi², S Murayama²

¹Dept. of Neurol. Univ. of Tokyo, ²Dept. of Neuropathol. TMIG

O-3-A28

Aggresomal property of glial cytoplasmic inclusions

Y Chiba¹, A Shimada¹, S Takei¹, N Kawamura¹, S Ishii¹, A Furukawa¹, K Sasaki², T Iwaki², M Hosokawa¹

¹Dept. of Pathol., Inst. for Developmental Res., Aichi Human Service Center, ²Dept. of Neuropathol., Univ. of Kyushu

Oral Presentations June 6 (Sat) 8:30-10:30 Hall B

O-3-B01

Neuropathological studies on fetuses prenatally diagnosed as brain anomalies

K Itoh¹, M Yamasaki², R Pooh³, S Fushiki¹

¹Dept. of Pathol. & Appl. Neurobiol., Grad. Sch. Med. Sci., Kyoto Pref. Univ. Med., ²Dept. of Neurosurg., Natl. Hosp. Org. Osaka Natl. Hosp., ³CRIFM Clin. Res. Inst. of Fetal Med. PMC

O-3-B02

Immunohistochemical expression of fibroblast growth factor (FGF)-2 in the developing human cerebrum and epilepsy-associated malformations of cortical development (MCDs)

M Ueda¹, H Miyata², C Sugiura³, A Kakita⁴, A Hori⁵, HV Vinters⁶, K Ohno³, E Ohama¹

¹Dept. of Neuropathol. Inst. of Neurol. Sci. Tottori Univ., ²Dept. of Pathol. Research Inst. for Brain & Blood Vessels - Akita, ³Dept. of Child Neurol. Inst. of Neurol. Sci. Tottori Univ., ⁴Brain Research Inst., Niigata Univ., ⁵Research Inst. for Longevity Med. Fukushima Hosp., ⁶Dept. of Pathol. & Lab. Med. UCLA Med. Ctr.

O-3-B03

Lesions of the pedunculopontine tegmental nucleus in West syndrome

M Hayashi, R Miyata, N Tanuma

Dept. of Clin. Neuropathol., Tokyo Metrop. Inst. for Neurosci.

O-3-B04

A novel pathophysiological approach for understanding of epileptogenic mechanisms 1: comparative data on TSC and FCD

H Kitaura^{1,2}, T Hiraishi^{1,3}, H Masuda⁴, H Murakami⁴, M Oishi³, M Fukuda³, H Takahashi¹, S Kameyama⁴, A Kakita¹

¹Dept. Pathology, Brain Research Institute, Niigata Univ., ²Center for Integrated Human Brain Science, University of Niigata, ³Dept. Neurosurgery, Brain Research Institute, Niigata Univ., ⁴Dept. Neurosurgery, Nishi-Niigata Chuo National Hospital

O-3-B05

A novel pathophysiological approach for understanding of epileptogenic mechanisms 2: those underlying brain tumors

T Hiraishi^{1,2}, H Kitaura^{2,3}, T Uduka¹, H Aoki¹, H Masuda⁵, H Murakami⁵, S Kameyama⁵, M Oishi¹, M Fukuda¹, Y Fujii¹, H Takahashi², A Kakita⁴

¹Dept. of Neurosurgery, Brain Research Institute, University of Niigata, ²Dept. of Neuropathol., Brain Research Institute, University of Niigata, ³Center for Integrated Human Brain Science, Brain Research Institute, University of Niigata, ⁴Dept. of Neuropathological Neuroscience, Resource Branch for Brain Disease Research, Brain Research Institute, University of Niigata, ⁵Dept. of Neurosurgery, National Nishi-Niigata Chuo Hospital

O-3-B06

Excitotoxicity-induced immediate surge of hippocampal prostanoid production has remote effects to promote long-lasting progressive neuronal death

A Shimada¹, K Yoshikawa¹, Y Kita², T Shimizu², S Ishii¹, A Furukawa¹, N Kawamura¹, Y Chiba¹

¹Dept. of Pathol., Inst. for Developmental Res., Aichi Human Service Center, ²Dept. of Biochem. & Mol. Biol., Fac. of Med., The Univ. of Tokyo

O-3-B07

Correlation of histology, cytogenetics, FISH-techniques, SNP-A karyotyping and gene expression analysis in anaplastic astrocytoma

Ralf Schober¹, Heidrun Holland², Peter Ahnert^{2,3}, Wolfgang Krupp⁴, Ronald Koschny⁵, Holger Kirsten², Jürgen Meixensberger⁴

¹ Dept. of Neuropathology, University of Leipzig, Leipzig, Germany

² Translational Centre for Regenerative Medicine (TRM) and Medical Faculty, Leipzig, Germany

³ Institute for Medical Informatics, Statistics and Epidemiology, University of Leipzig, Leipzig, Germany

⁴ Clinic of Neurosurgery, University of Leipzig, Leipzig, Germany

⁵ Dept. of Internal Medicine, University of Heidelberg, Heidelberg, Germany

O-3-B08

An attempt to establish MGMT immunostaining as a useful clinical biomarker in glioblastomas

M Natsumeda^{1,2}, A Kakita², H Aoki¹, T Uzuka¹, Y Fujii¹, H Takahashi²

¹Department of Neurosurgery, Brain Research Institute, University of Niigata, ²Department of Pathology, Brain Research Institute, University of Niigata

O-3-B09

A case report of gliosarcoma with neuroepithelial differentiation

K Miyake¹, D Ogawa¹, M Okada¹, S Ohkubo¹, A Shindou¹, M Kawanishi¹, M Kagawa¹, N Kawai¹, T Hayashi², R Haba², T Tamiya¹

¹Department of Neurological Surgery, Kagawa University Faculty of Medicine, Kagawa, Japan, ²Department of pathology, Kagawa University Faculty of Medicine, Kagawa, Japan

O-3-B10

Clinicopathological study of olfactory neuroblastomas

S Fukushima¹, Y Sugita¹, D Niino¹, H Mihashi², K Ohshima¹

¹Dept. of Pathology, Kurume Univ. School of Medicine, ²Dept. of Otolaryngology, Kurume Univ. School of Medicine

O-3-B11

The expression of DOCK180, a specific Rac-Guanine Nucleotide Exchange factor (GEF), in meningiomas

H Nishihara¹, H Murakami², K Kimura², H Sawa², H Kamada³

¹Laboratory of Translational pathology, Sch. of Med., Hokkaido Univ., ²Laboratory of Oncology, Hokuto Hospital, ³Department of Neurosurgery, Hokuto Hospital, ⁴Laboratory of Cancer Research, Sch. of Med. Hokkaido Univ.

O-3-B12

Melanoma metastasized to the central nervous system- a case report

LI cun-jiang¹, XU min¹, SONG yang¹, LU de-hong¹, PIAO yue-shan¹

¹Department of Neurology, Department of Neuropathology, Xuanwu Hospital, Capital Medical University, Beijing 100053, China.

Oral Presentations June 6 (Sat) 13:00-15:50 Hall B

O-3-B13

Tumor Markers in pineal parenchymal cell tumor - 1 -

T Fukuda¹, N Akiyama², S Saito²

¹Div. of Neuropathol., The Jikei Univ. Sch. of Med., ²Dept. of Mol. Immun., The Jikei Univ. Sch. of Med.

O-3-B14

Tumor Markers in pineal parenchymal cell tumor - 2 -

T Fukuda¹, N Akiyama², S Saito²

¹Div. of Neuropathol., The Jikei Univ. Sch. of Med., ²Dept. of Mol. Immun., The Jikei Univ. Sch. of Med.

O-3-B15

Verification of pathological criteria for dysembryoplastic neuroepithelial tumor

T Komori¹, H Suzuki², T Hirose³, N Arai¹, M Shibuya⁴, T Mizutani⁵

¹Dept. of Clinical Neuropathol., Tokyo Metropolitan Inst. for Neurosci., ²Dept. of Lab. Medicine, NHO Sendai Medical Center, ³Dept. of Pathology, Saitama Medical School, ⁴Dept. of Pathology, Tokyo Medical University Hachioji Medical Center, ⁵Dept. of Lab. Medicine, Tokyo Metropolitan Neurological Hospital

O-3-B16

Expression of somatostatin receptor subtypes in nonfunctioning pituitary adenomas

H Nishioka¹, K Tamura², H Iida², M Kutsukake², Y Ikeda¹, J Haraoka³

¹Dept. of Neurosurg., Hachioji Med. Center, Tokyo Med. Univ., ²Dept. of Endocrine Pharmacol, Tokyo Univ. Pharmacy & Life Sci., ³Dept. of Neurosurg., Tokyo Med. Univ.

O-3-B17

Pituitary adenomas showing marked nuclear atypia: comparative pathological study with pituitary carcinomas

T Sano¹, S Yamada²

¹Dept. of Human Pathology, Institute of HBS, Univ. of Tokushima, ²Division of Neurosurgery, Toranomon Hospital

O-3-B18

A case of malignant transformation in craniopharyngioma after radiation therapy

M Ishida¹, M Hotta¹, A Tsukamura², T Taga², H Kato², S Ota², Y Takeuchi², S Nakasu³, H Okabe¹

¹Dept. of Clin Lab Med., Shiga Univ of Med Sci, ²Dept. of Pediat., Shiga Univ of Med Sci, ³Dept. of Neurosurg., Kusatu General Hosp

O-3-B19

New characterization of established intracranial germ cell tumor cell lines by Oct3/4 and Sox2 expression profile

K Washiyama, H Usui

Dep. of Molecular Neuropathol., Brain Res. Inst., Niigata Univ.

O-3-B20

Increased expression of matrix metalloproteinase-13 (MMP-13) in vessels with blood-brain barrier impairment

M Ueno, M Onodera, H Sakamoto

Department of Pathology and Host Defense, Faculty of Medicine, Kagawa University

O-3-B21

New behavior tests and pathological changes after photothrombotic infarction within caudoputamen of rodents

T Kuroiwa¹, G Xi², M Okauchi³, T Schallert⁴, RF Keep²

¹Dept. of Clinical laboratory, Namegata District General Hospital, ²Dept. of Neurosurgery, University of Michigan Health System, ³Department of Neurological Surgery, Kagawa University, ⁴Dept. of Psychology, University of Texas at Austin

O-3-B22

Astrocytic involvement to the maturation phenomenon of ischemic neuronal injuries

U Ito¹, Y Hakamata², E Kawakami¹, K Oyanagi¹

¹Dept. of Neuropathol., Tokyo Metropolitan Institute for Neuroscience, ² Department of Basic Science, School of Veterinary Nursing and Technology, Faculty of Veterinary Science, Nippon Veterinary and Life Science University

O-3-B23

Immature neural cells appearance around injured portion by experimental trauma to rat brains

T Satou^{1,2}, T Itoh², S Hashimoto³, H Ito²

¹Div. of Hospital pathology, Kinki Univ. Hospital, ²Dep. of Pathology, Kinki University school of Medicine, ³Dep. of Pathology, PL hospital

O-3-B24

Immunohistochemical expression of amyloid precursor protein in brains and cardiac nerves in autopsy cases of traumatic brain injury

M Asano¹, H Miyata¹, M Ohtani², T Chiba², N Yoshioka², Y Yoshida¹

¹Dept. of Pathol., Research Inst. for Brain and Blood Vessels - Akita, ²Div. of Forensic Sci., Dept. of Social Med., Akita Univ. School of Med.

O-3-B25

Staging for Amyloid Angiopathy in Human Aging

H Hatsuta^{1,4,5}, Y Saito^{1,2}, T Adachi¹, S Funabe¹, T Arai², M Sawabe², R Kuwano³, H Mori⁴

¹Department of Neuropathology, Tokyo Metropolitan Institute of Gerontology, ²Department of pathology, Tokyo Metropolitan Geriatric Hospital, ³Department of Molecular Genetics, Bioresource Science Branch, Center for Bioresource, Brain Research Institute, Niigata University, ⁴Department of Geriatric Medicine, Osaka City University, ⁵Department of Geriatric Medicine, Osaka City University

O-3-B26

Distribution of the ruptured vessels in the case of cerebral amyloid angiopathy related-hemorrhage (CAA-H)

S Takeda¹, K Hinokuma², K Yamazaki², T Miyakawa², K Onda², S Hirata¹, F Ikuta³, H Arai²

¹Dept. of Pathol., Niigata Neurosurgical Hosp., ²Dept. of Neurosurg., Niigata Neurosurgical Hosp., ³Brain Res. Center, Niigata Neurosurgical Hosp.

O-3-B27

The correlation of microbleeds on MRI and pathological findings in an autopsy case of Binswanger's disease

S Ito¹, M Yoshida², Y Hashizume², I Aiba¹, Y Saito¹, A Goto¹, Y Yokokawa¹, M Kenjo¹, T Katayama¹, E Hayakawa¹, A Inukai¹

¹Dept. of Neurol., NHO Higashi-Nagoya Hosp., ²Dept. of Neuropathol., Instit. for Med. Science of Aging, Aichi Med. Univ.

O-3-B28

Do specific MRI features of Binswanger's disease also reveal clinical impairments and pathological concordance? The Vienna Trans-Danube Aging (VITA) Study

Y Shirakashi¹, I Akiguchi^{1,2}, Y Kawamoto², T Watanabe¹, W Krampfl³, S Jungwirth⁴, P Fischer^{3,4}, H Budka⁵

¹Takeda Hospital, ²Dept. of Neurology, Kyoto University, ³Danube Hospital, ⁴Ludwig Boltzmann Institute of Aging Research, Vienna, Austria, ⁵Institute of Neurology, Medical University of Vienna

O-3-B29

'Probable' idiopathic normal pressure hydrocephalus (iNPH) with 6 months clinical course: an autopsy study

H Miyata¹, M Miyajima², M Takase³, M Nakajima², T Yao³, H Arai², E Ohama⁴

¹Dept. of Pathol. Research Inst. for Brain & Blood Vessels - Akita, ²Dept. of Neurosurg. Juntendo Univ. School of Med., ³Dept. of Human Pathol. Juntendo Univ. School of Med., ⁴Dept. of Neuropathol. Inst. of Neurol. Sci. Tottori Univ.

Poster Presentations June 6 (Sat) 8:50-10:30 Hall C

P-3-C01

Tanycytic ependymoma of the filum terminale with pleomorphic giant cells

M Shintaku¹, T Sakamoto²

¹Dept. of Pathology, Osaka Red Cross Hospital, ²Dept. of Orthopedics, Osaka Red Cross Hospital

P-3-C02

A case of glioblastoma arising from conus medullaris in a child

M Ishida¹, K Mori², T Taga³, A Tsukamura³, H Kato³, S Ota³, Y Takeuchi³, Y Matsusue², H Okabe¹

¹Dep. of Clin Lab Med., Shiga Univ of Med Sci, ²Dep. of Orthop., Shiga Univ of Med Sci, ³Dep. of Pediat., Shiga Univ of Med Sci

P-3-C03

The glioneuronal tumor with neuropil-like island, case report and literature review

Qiuping Gui¹ and Xin Song¹

¹Department of Pathology, PLA General Hospital, Beijing 100853, China

P-3-C04

A case of primary central nervous system lymphoma: the pathological features at onset were somewhat similar to those of ganglioglioma

M Suzuki¹, C Inenaga², H Takahasi³, M Itou¹, T Uchiyama¹, T Shimizu¹, H Kobayashi⁴, T Ohashi¹

¹Department of Neurology, Seirei Hamamatsu General Hospital, ²Department of Neurosurgery, Seirei Hamamatsu General Hospital, ³Department of Pathology, Brain Research Institute, University of Niigata, ⁴Department of Pathology, Seirei Hamamatsu General Hospital

P-3-C05

An autopsy case of sporadic amyotrophic lateral sclerosis with multisystem degeneration after surviving with respirator

H Mikami¹, S Ono¹, Y Ishida²

¹Dept. of Neurol., Teikyo Univ. Chiba Med. Center, ²Dept. of Pathol., Teikyo Univ. Chiba Med. Center

P-3-C06

An autopsy case of familial amyotrophic lateral sclerosis with a point mutation of SOD1 with duration of 19 years

H Hatsuta^{1,2,3}, Y Saito^{1,4}, S Sato⁵, T Fukutake⁵, H Mori², S Murayama¹

¹Department of Neuropathology, Tokyo Metropolitan Institute of Gerontology, ²Department of Neuroscience, Osaka City University, ³Department of Geriatric Medicine, Osaka City University, ⁴Department of pathology, Tokyo Metropolitan Geriatric Hospital, ⁵Dept of Neurology, Kameda Medical Center

P-3-C07

Autopsy of a patient with sporadic ALS with a long-term clinical course

M Nishii¹, H Ito², Y Kinoshita¹, S Nakamura¹, T Asayama¹, S Asayama¹, M Nakamura¹, K Fujita¹, R Wate¹, A Shinde¹, S Nakano¹, H Kusaka¹

¹Dept. of Neurology, Kansai Medical Univ., ²Dept. of Neurology, Faculty of Medicine, Kyoto Univ.

P-3-C08

Juvenile familial ALS: an autopsy case involving multiple systems with basophilic inclusions

Y Mochizuki¹, E Isozaki³, T Hashimoto⁴, M Shibuya⁵, K Oyanagi⁴, T Mizutani¹

¹Dept. of Pathol., Tokyo Met. Neurol. Hosp., Dept. of Int. Med., Tokyo Met. Kita Med. and Rehabil. Ctr., ²Dept. of Pathol., Tokyo Met. Neurol. Hosp., ³Dept. of Neurol., Tokyo Met. Neurol. Hosp., ⁴Dept. of Neuropathol., Tokyo Met. Inst. for Neurosci., ⁵Dept. of Pathol., Tokyo Med. Univ. Hachioji Med. Ctr.

P-3-C09

Adult onset amyotrophic lateral sclerosis (ALS) with basophilic inclusions

F Yokoi¹, M Yoshida², M Mimuro², Y Hashizume²

¹Dept. of Neurol., Aoyama General Hosp., ²Inst. for Med. Sci. of Aging, Aichi Med. Univ.

P-3-C10

An elderly patient with motor neuron disease showing numerous basophilic inclusions

Y Fujita¹, S Fujita², M Takatama², K Okamoto¹

¹Dept. of Neurol., Gunma. Grad. Sch. of Med, ²Geriatric Research Institute and Hospital

Poster Presentations June 6 (Sat) 13:00-16:20 Hall C

P-3-C11

An autopsy case of amyotrophic lateral sclerosis with dementia accompanied by high titers of antithyroid antibodies and colon cancer

I Nozaki¹, M Yoshita¹, R Tajiri², C Ishida³, M Yamada¹

¹Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Science, ²Department of Molecular and Cellular Pathology, Kanazawa University Graduate School of Medical Science, ³Department of Neurology, National Hospital Organization, Iou Hospital

P-3-C12

A case of ALS-D presenting as flail arm syndrome

Y Ito¹, J Suzuki¹, N Kondo², H Tsuji¹, S Nisida¹, T Yasuda¹, M Yosida³, Y Hashizume³

¹Department of Neurology, TOYOTA memorial Hospital, ²Dep of Neurology, Nagoya Univ, ³Dep. of Neuropathol., Institute for Medical Science of Aging, Aichi Medical Univ.

P-3-C13

An autopsy case of amyotrophic lateral sclerosis with dementia whose cognitive function was difficult to evaluate because of respiratory failure

T Haraguchi¹, S Terada², H Ishizu³, S Nagao¹, T Nagai¹, Y Tanabe¹, K Sakai¹, H Takata¹, K Nobukuni¹, Y Ihara¹, S Kuroda²

¹Dept. of Neurol, Minami-Okayama Medical Center, ²Dept. of Neuropsych, Okayama Univ., ³Zikei Institute

P-3-C14

An autopsy case of amyotrophic lateral sclerosis showing an upper-motor predominant form with frontotemporal lobar degeneration

YJ Fu¹, CF Tan¹, S Higuchi², T Nakajima², H Takahashi¹

¹Dept. of Pathol. Brain Research Institute, Niigata Univ., ²Dept. of Neurol. National Hosp. Organization Niigata Hosp.

P-3-C15

Familial ALS presenting dementia with TDP-43 G298S mutation

M Yoshida¹, N Sakurai², Y Hashizume¹, T Arai³, M Hasegawa³, M Arai³, M Itokawa³, M Akiyama³

¹Inst. for Med. Science for Aging, Aichi Med. Univ., ²Dept. of Neurology, Ichinomiya Municipal Hospital, ³Tokyo Institute of Psychiatry

P-3-C16

An autopsy case of motor neuron disease presented with oculomotor palsy

H Konno, Y Tanaka, T Takahashi, M Yoshioka, H Onodera

Dept. of Neurology NHO Nishitaga Hosp.

P-3-C17

An autopsy case of "progressive supranuclear palsy-parkinsonism"

S Nakamura¹, H Ito², A Shinde¹, S Asayama¹, M Nakamura¹, M Nishii¹, Y Kinoshita¹, K Fujita¹, T Asayama¹, R Wate¹, S Nakano¹, H Kusaka¹

¹Department of Neurology, Kansai Medical University, ²Department of Neurology, Kyoto University Graduate School of Medicine

P-3-C18

An autopsy case of the extremely early-stage progressive supranuclear palsy

K Sakai¹, C Ishida², M Yamada³

¹Dept. of Neurology, Noto General Hosp., ²Dept. of Neurology, National Hospital Organization Iou Hospital, ³Dept. of Neurology and Neurobiology of Aging, Kanazawa Univ. Graduate School of Medical Science

P-3-C19

An autopsy case of progressive supranuclear palsy presenting with arm levitation

S Ohara, H Koshihara, K Oguchi, Y Takei

Dept of Neurology, Matsumoto Medical Center, Chushin-MatsumotoHospital

P-3-C20

A case of Diffuse Neurofibrillary Tangle with Calcification (DNFC) with Parkinson disease

Z Matsuyama¹, H Akatsu¹, A Hori¹, Y Tani¹, T Yamamoto¹, M Mimuro², M Yoshida², Y Hashizume²

¹Choju Medical Institute, Fukushima Hospital, ²Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical College

P-3-C21

An autopsy case of corticobasal degeneration with unique neck dystonia

M Kenjo¹, M Yoshida², I Aiba¹, Y Saito¹, S Ito¹, A Goto¹, Y Yokokawa¹, T Katayama¹, E Hayakawa¹, A Inukai¹, Y Hashizume²

¹Department of Neurology, Higashi-Nagoya National Hospital, ²Institute for medical science of aging, Aichi Medical University

P-3-C22

A late-onset dementia case with severe temporal atrophy

M Ito¹, K Mori¹, Y Iwasaki¹, A Deguchi², M Mimuro³, M Yoshida³, Y Hashizume³

¹Dept. of Neurol, Oyamada memorial spa Hospital, ²Dept. of Internal Medicine, Oyamada memorial spa hospital, ³Dept. of Neuropathol, Institute for Medical Science of Aging, Aichi Medical Univ.

P-3-C23

A case of FTLN-U presenting semantic dementia with minimal ubiquitin-TDP-43 pathology. A neuropsychological, radiological and pathological study

S Kawakatsu¹, R Kobayashi², T Kato³, T Sasaki², T Yamazaki⁴, O Kinoshita⁴, H Hayashi¹, M Yamakawa³, K Otani¹, S Totsuka⁴

¹Dept. of Psychiatry., Univ. of Yamagata, ²Okitama Public General Hospital, ³Dept. of Pathology, Univ. of Yamagata, ⁴Akino Hospital

P-3-C24

An autopsy case of frontotemporal lobar degeneration with TDP-43-positive inclusions presenting with anterior operculum syndrome

F Mori¹, M Otsuki², H Tobioka³, K Wakabayashi¹

¹Department of Neuropathology, Hirosaki University Graduate School of Medicine, ²School of Psychological Science, Health Sciences University of Hokkaido, ³Department of Pathology, Otaru Kyokai Hospital

P-3-C25

An autopsy case with semantic dementia, coexistence TDP-43-positive FTLN-U and Alzheimer disease pathology

M Yoshida¹, K Kono², M Nomura³, Y Hashizume¹

¹Inst. for Med. Science for Aging, Aichi Med. Univ., ²Depart. of Geriatrics, Kyowa Hospital, ³Depart. of Neurol., Kainan Hospital

P-3-C26

An autopsy case of Perry syndrome with autonomic failure and severe central hypoventilation

H Watanabe¹, H Ito¹, N Sakurai¹, M Yoshida²

¹Dept. of Neurology of Ichinomiya Municipal Hospital, ²Institute for Medical Science of Aging, Aichi Medical Univ.

P-3-C27

An autopsy case of sporadic four-repeat tauopathy with dementia, parkinsonism and motor neuron disease

Y Nishihira¹, YJ Fu¹, CF Tan¹, Y Toyoshima¹, S Tani², H Takahashi¹

¹Dept. of Pathol., Brain Res. Inst., Niigata Univ, ²Dept. of Neurol., National Nishiniigata Hosp

P-3-C28

Hippocampal sclerosis with 4-repeat tau positive basophilic inclusions in the dentate granule cells

Y Miki¹, F Mori¹, E Hori³, M Kaimori⁴, K Wakabayashi¹

¹Dept. of Neuropathol., Institute of Brain Science, Hirosaki Univ. Graduate School of Medicine, ²Dept. of Neurology, Aomori Prefectural Central Hospital, ³Dept. of Neurosurgery, Aomori Prefectural Central Hospital, ⁴Dept. of Pathology, Aomori Prefectural Central Hospital

P-3-C29

A 46 year-old woman with familial parkinsonism and central hypoventilation showing TDP-43 negative tauopathy

M Omoto¹, Y Kashiwamura¹, Y Sano¹, J Ogasawara¹, M Koga¹, M Kawai¹, K Negoro¹, T Kanda¹, Y Tsuboi², K Sasaki³, S Suzuki³, T Iwaki³

¹Dept. of Neurology and Clinical Neuroscience, Yamaguchi Univ., ²Dept. of Neurology, Fukuoka Univ.,
³Dept. of Neuropathol, Kyushu Univ.

P-3-C30

An autopsy case of Kii parkinsonism-dementia complex with marked senile plaques

Y Kokubo¹, H TOMIMOTO¹, S KUZUHARA²

¹Dept. of Neurology, Mie Univ. Sch. of Med., ²National Center Hospital of Neurology and Psychiatry

Poster Presentations June 6 (Sat) 8:50-10:30 Hall D

P-3-D01

Gray matter lesions in Nasu-Hakola disease: report on three autopsy cases

N Aoki^{1,2}, K Tsuchia³, T Togo², H UchiKado², O Katsuse², K Suzuki², M Anno⁴, H Fujishiro⁵, T Arai¹, E Iseki⁵, K Kosaka⁶, H Akiyama¹, Y Hirayasu²

¹Tokyo Institute of Psychiatry, ²Department of Psychiatry, School of Medicine, Yokohama City University, ³Department of Laboratory Medicine and Pathology, Tokyo Metropolitan Matsuzawa Hospital, ⁴Department of neurology, Tokyo Metropolitan Matsuzawa Hospital, ⁵Department of Psychiatry, Juntendo Tokyo Koto Geriatric Medical Center, Juntendo University School of Medicine, ⁶Yokohama Hoyu Hospital

P-3-D02

Immunohistochemical study of microglia and macrophages in Nasu-Hakola disease

A Sasaki¹, A Kakita², S Hayashi³, T Kondo⁴, H Matsuo⁴, H Takahashi², Y Nakazato¹

¹Dept. of Human Pathol., Gunma Univ. Grad. Sch. of Med., ²Dept. of Pathol., Brain Res. Inst., ³Dept. of Neurol., Mishima Hosp., ⁴Dept. of Neurol., Nagasaki Medical Center of Neurol.

P-3-D03

Two autopsy cases of Nasu-Hakola disease

T Inoue, Y Mitsuyama, Y Shirieda, T Fujimoto

Gerontopsychiatry center, Yokakai Daigo Hospital.

P-3-D04

An autopsy case of spongy leukodystrophy

M Iida¹, S Tsujimoto¹, K Iwabuchi², H Nagatomo³, M Ishiyama⁴, K Yamaoka⁴, S Yagishita⁴

¹Dept. of Pathology, Yokosuka Uwamachi Hosp., ²Neurological Clinic of Yamate, ³Dept. of Neurol., Kanagawa Rehabilitation Center, ⁴Dept. of Pathol., Kanagawa Rehabilitation Center

P-3-D05

An autopsy case of Marchiafava-Bignami disease (MBD) with persistent conscious disturbance

LY Sun¹, T Hashimoto¹, M Yamazaki¹, N Miura², Y Mochizuki³, T Mizutani³, K Oyanagi¹

¹Dept. of Neuropathol, TMIN, ²Dept. of Neurology, TMNH, ³Dept. of Neuropathol, TMNH

P-3-D06

Clinical manifestations, neuroimaging and pathological study of glutaric aciduria type I: 1 case report

X Qi, S Yao, J Liu

Department of Neurology, Navy General Hospital, No.6 Fucheng road, Haidian District, Beijing 100037, China

P-3-D07

Clinicopathological study of early progressive multifocal leukoencephalopathy incidentally found in a schizophrenia patient

K Oshima^{1,2,3}, K Tsuchiya^{2,3}, K Niizato^{2,3}, K Akiyama³, T Arai³, K Nagashima⁴

¹Tokyo Metropolitan Center for Mental Health and Welfare, ²Tokyo Metropolitan Matsuzawa Hospital,

³Tokyo Institute for Psychiatry, ⁴Sapporo Higashi Tokushukai Hospital

P-3-D08

An autopsy case of Progressive Multifocal Leukoencephalopathy(PML) : Comparison of MRI with biopsy and autopsy findings

M Inuzuka¹, O Kawakami¹, T Ando¹, T Ito², S Hayakawa³, M Mimuro⁴, M Yoshida⁴, Y Hashizume⁴

¹Dept. of Neurology, Anjo Kosei Hospital, ²Dept. of Hematology, Anjo Kosei Hospital, ³Dept. of Pathology,

Anjo Kosei Hospital, ⁴Dept. of Neuropathology, Institute of Medical Science of Aging, Aichi Medical Univ.

P-3-D09

A case of localized encephalitis with PAS positive foamy macrophages

Y Sakiyama¹, S Izumo², S Oyama¹, Y Takata¹, R Saigo¹, K Michizono¹, O Watanabe¹, H Takashima¹, M Goto³, K Arimura¹

¹Dept. of Neurology, Kagoshima University, ²Center for Chronic Viral Diseases, Kagoshima University,

³Dept. of Pathology, Kagoshima University

P-3-D10

An autopsy case of recurrent brain toxoplasmosis with 9-year interval

PIAO Yue-Shan¹, LU De-Hong¹, Wang Wei¹, Cun-Jiang Li²

Department of ¹Neuropathology and ²Neurology, Xuanwu Hospital, Capital Medical University, Beijing, PR China

Poster Presentations June 6 (Sat) 13:00-16:00 Hall D

P-3-D11

HTLV-1 associated myelopathy - clinicopathological correlation in two autopsy cases

Z Kobayashi¹, K Tsuchiya², T Matsunaga³, M Takahashi⁴, H Akiyama⁵, H Mizusawa¹

¹Department of Neurology and Neurological Science, Graduate School, Tokyo Medical and Dental

University, ²Department of Laboratory Medicine and Pathology, Tokyo Metropolitan Matsuzawa Hospital,

³Department of Neurology, Asahi General Hospital, ⁴Department of Neurology, Ohme Municipal General

Hospital, ⁵Tokyo Institute of Psychiatry

P-3-D12

Early onset of dementia with leukoencephalopathy and axonal spheroids in association with isoniazid

M Takao^{1,2}, B Mihara², Y Yoshida¹, M Hayashi³, N Tanahashi⁴, A Koto⁵

¹Department of Intractable Neurology and Cognitive Disorders, Mihara Memorial Hospital, ²Department of

Neurology, Mihara Memorial Hospital, ³Tokyo Metropolitan Institute for Neuroscience, ⁴Saitama Medical

University, International Medical Center, ⁵Yomiuri Land Keiyu Hospital

P-3-D13

Clinical manifestation, imaging characters and pathology features of idiopathic hypertrophic cranial pachymeningitis: 4 cases reports

Qi Xiaokun¹, Xiong Bin¹, Yao Sheng¹

¹Department of Neurology, Navy General Hospital, No.6 Fucheng road, Haidian District, Beijing 100037, China

P-3-D14

Neuropathological findings in the 4 cases with herpes zoster

N Ujihira¹, T Satake¹, M Mimuro², M Yoshida², Y Hashizume², H Akatsu³, A Hori³

¹Dept of Clinical Pathology, Nagoya Ekisaikai Hosp., ²Dept. of Neuropathol., Institute for medical science of Aging, Aichi Med. Univ., ³Research Institute for Longevity Medicine. Fukushima (Welfare Village) Hosp.

P-3-D15

An autopsy report of varicella-zoster virus encephalitis (VZVE) complicated in an immunocompromised patient

M Ikemura¹, H Tashiro², M Watanabe¹, J Fukushima³, I Nakano⁴, T Fukusato¹

¹Dept. of Pathol., Teikyo Univ. Sch. of Med., ²Dept. of Hematol., Teikyo Univ. Sch. of Med., ³Dept. of Pathol., Teikyo Univ. Hosp., ⁴Dept. of Neurol., Jichi Med. Univ.

P-3-D16

An autopsy case of herpes encephalitis with brainstem involvement

T Kosaka¹, T Majima², K Kikukawa², YJ Fu¹, M Tada¹, Y Toyoshima¹, H Takahashi¹

¹Dept. of Pathol., Brain Research Institute, Niigata Univ., ²Dept. of Neurol., Tsubame Rosai Hosp.

P-3-D17

Comparison between Brain Bank for Aging Research and New York Brain Bank at Columbia University

R Sengoku^{1,2}, Y Saito³, JP Vonsattel², S Murayama¹

¹Dept. of Neuropathol., Tokyo Met. Inst. of Gerontology, ²New York Brain Bank at Columbia University, ³Dept. of Pathology, Tokyo Met. Geriatric Hosp.

P-3-D18

Annual report of Brain Bank for Aging Research

Y Saito^{1,2}, A Miyashita³, H Hatsuta², T Adachi², S Funabe², R Kuwano³, S Murayama²

¹Dept Pathology, TMGH, ²Dept Neuropath, TMIG, ³Dept Brain Research, Univ. Niigata

P-3-D19

Parkinson's Disease Brain Bank Progress Report 2008

K Arima¹, S Kuno¹, T Tsukamoto¹, T Yamamura¹, H Mori², S Murayama³, K Sato⁴, N Kawahara⁵, I Akiguchi⁶

¹National Center of Neurology and Psychiatry, ²Juntendo University Koshigaya Hospital, ³Tokyo Metropolitan Institute of Gerontology, ⁴Showa University School of Medicine, ⁵Consolidated Research Institute for Advanced Science and Medical Care, Waseda University, ⁶Koseikai Takeda Hospital

P-3-D20

Research Resource Network Progress Report 2008

K Arima, T Makifuchi, H Konno, K Jinnai, T Ishida, Y Takada, I Aiba, M Onaya, T Yuzuriha, K Ogata, Y Konishi, H Fujimura, H Kurisaki, C Watanabe, S Ohara, I Nishino, H Kunugi, K Sato

Reserch Resource Network Study Group

P-3-D21

Establishment of postmortem spinal cord bank

S Murayama¹, Y Saito^{1,2}, H Hatsuta¹, T Adachi¹, S Funabe¹, M Sawabe²

¹Dept. of Neuropathol. TMIG, ²Dept. Pathol. TMGH

P-3-D22

An autopsied case of dura mater graft Creutzfeldt-Jakob disease treated by pentosanpolysulphate

K Ishihara¹, R Kikuchi¹, T Yamazaki¹, M Sugie¹, M Kawamura¹, Y Tsuboi², K Sasaki³, I Nakano⁴

¹Dept. of Neurol., Showa Univ., ²Dept. of Neurol., Fukuoka Univ., ³Dept. of Neuropathol., Kyusyu Univ.,

⁴Dept. of Neurol, Jichi Med. Sch.

P-3-D23

An autopsy case of CJD with MV129 and V180I

T Fukuda¹, T Umehara², Y Kouno², H Yaguchi², S Mochio²

¹Div. of Neuropathol., The Jikei Univ. Sch. of Med., ²Dept. of Neurol., The Jikei Univ. Sch. of Med.

P-3-D24

An autopsy case of familial Creutzfeldt-Jakob disease with a mutation of codon 232 (M232) of the prion gene

M Shintaku¹, T Nakamura², D Kaneda², A Shinde³, H Kusaka³, T Kitamoto⁴

¹Dept. of Pathology, Osaka Red Cross Hospital, ²Dept. of Neurology, Osaka Red Cross Hospital, ³Dept. of Neurology, Kansai Medical University, ⁴Div. of CJD Science and Technology, Tohoku University

P-3-D25

Marked decrease of standard uptake value (SUV) of 18F- FDG- PET study can be a surrogate biomarker for sporadic Creutzfeldt-Jakob disease, a case report

T Adachi^{1,6}, K Eguchi², Y Saito^{1,3}, A Tokumaru⁴, K Ishii⁵, K Kanemaru², M Sawabe³, K Nakashima⁶, T Kitamoto⁷, S Murayama¹

¹Dept. of Neuropathol. of TMIG, ²Dept. of Neurol. of TMGH, ³Dept. of Pathol. of TMGH, ⁴Dept. of Radiolo. of TMGH, ⁵Dept. of PET of TMIG, ⁶Dept. of Neurol. of Tottori Uni., ⁷Dept. of Prion Protein Research

P-3-D26

An autopsy case of slowly progressive Creutzfeldt-Jakob disease with asymmetric cortical dysfunction

K Ikenaka¹, T Ando¹, O Kawakami¹, M Suzuki¹, M Inuzuka¹, M Yoshida², Y Hashizume², G Sobue³

¹Dept. of Neurology, Anjokosei Hospital, ²Institute for Medical Science of Aging, Aichi Medical University,

³Depart. of Neurology University of Nagoya

P-3-D27

An autopsy case of MM1+2 sporadic Creutzfeldt-Jakob disease with various prion-protein deposition patterns

K Sasaki, T Iwaki

Dept. of Neuropathol., Kyushu Univ.

P-3-D28

Clinicopathologic spectrum of MM2-type sporadic Creutzfeldt-Jakob disease

Y Iwasaki¹, M Mimuro², M Yoshida², Y Hashizume²

¹Dept. of Neurol., Oyamada Memorial Spa Hospital, ²Dep. of Neuropathol., Inst. for Med. Sci. of Aging, Aichi Med. Univ.

Memorial Extension Lecture June 6 (Sat) 14:00-16:00 Hall E

EL-3-E1

Contributions of Neuropathology to Medicine and Science

Kiyomitsu Oyanagi

Department of Neuropathology, Tokyo Metropolitan Institute for Neuroscience, Tokyo, Japan

EL-3-E1

What is Depression? -Concerning with the Characteristics and Pseudodementia-

Naoji Amano

Department of Psychiatry, Shinshu University School of Medicine, Nagano, Japan

EL-3-E1

For Early Diagnosis of Dementia in the Aged

Masaaki Matsushita

Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Tokyo, Japan

EL-3-E1

For the Enjoyment of Healthy Longevity, from the Neuropathological Examination of Centenarian “Ginsan”s Brain

Yoshio Hashizume

Department of Neuropathology, Institute for Medical Science of Aging

Aichi Medical University, Aichi, Japan

Lecture for High School Students: Mechanism of Brain Function and Diseases of the Brain

June 4 (Thu) 13:00-14:00 Takamatsu High School

HL-1-1

A Search for Mechanism of Brain Damage (a Guide for Neuropathology)

Masaki Ueno

Inflammation Pathology, Faculty of Medicine, Kagawa University, Kagawa, Japan

June 5 (Fri) 13:00-14:00 Takamatsu Daichi High School

HL-2-1

Neuropathology of Alzheimer’s Disease

Takeshi Iwatsubo

Department of Neuropathology, Graduate School of Medicine, University of Tokyo, Tokyo, Japan