Monday, September 24, 2018
Keio Plaza Hotel Tokyo

Hall (Eminence Hall, 5F) 8:50-9:00

Opening Ceremony

Opening Remark

ICN2018 President: Hitoshi Takahashi (Niigata University)

Hall (Eminence Hall, 5F) 9:00-10:00

Plenary 1

Deciphering Tau Neuropathology

Chair: Masaki Takao (International Medical Center, Saitama Medical University)

PL1 **Deciphering Tau Neuropathology: From Silver Stain Toward a Near-atomic Resolution**
Bernardino Ghetti (Indiana University Purdue University Indianapolis, Indiana University School of Medicine, Department of Pathology and Laboratory Medicine)

Hall (Eminence Hall, 5F) 10:10-11:10

Plenary 2

Sponsored by BNS

Structures of tau filaments from Alzheimer's and Pick's disease brains

Chair: Masato Hasegawa (Dementia Research Project, Tokyo Metropolitan Institute of Medical Science)

PL2 **Structures of tau filaments from Alzheimer's and Pick's disease brains**
Michel Goedert (MRC Laboratory of Molecular Biology)

Hall (Eminence Hall, 5F) 11:20-11:50

Plenary 3

Dynamic, Molecular and Epidemiological Neuropathology

Chair: Suely Kazue Nagahashi Marie (Universidade de São Paulo (USP), Faculdade de Medicina (FM))

PL3 **Future of the Japanese Society of Neuropathology**
Shigeo Murayama (President, the Japanese Society of Neuropathology)

Room 1 (Nishiki, 4F) 12:00-13:00

Luncheon Seminar 1

Sponsored by Novartis Pharma K.K. Medical Division

Neurodegenerative disease ～from micro and macro point of view～

Chair: Takashi Kanda (Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)

LS1-1 **Novel Hippo pathway-dependent necrosis, TRIAD and Huntington's disease**
Hitoshi Okazawa (Department of Neuropathology, Medical Research Institute / Center for Brain Integration Research, Tokyo Medical and Dental University)

LS1-2 **q-Space Myelin Map: A clinically feasible novel MRI modality for the visualization of myelin in the CNS**
Jin Nakahara (Department of Neurology, Keio University School of Medicine)

Room 1 (Nishiki, 4F) 13:10-14:50

Symposium 1

Microglia and Synapses

Chairs: Manuel B. Graeber (Brain and Mind Centre, University of Sydney)
Atsushi Sasaki (Department of Pathology, Saitama Medical University Faculty of Medicine)

S1-1 **Changing concept of microglia: microgliopathies**
Atsushi Sasaki (Department of Pathology, Saitama Medical University)

S1-2 **Physiological Implications of microglia-synapse interactions**
Hiroaki Wake (Division of System Neuroscience, Kobe University Graduate School of Medicine)

S1-3 **Single-cell profiling of the myeloid cell compartment identifies new cell populations with distinct fates during neuroinflammation**
Marco Prinz (Institute of Neuropathology, University of Freiburg)

S1-4 **Microglia and neuronal degeneration in senescence-accelerated mice**
Atsuyoshi Shimada (Kyorin University Facurity of Health Sciences)

S1-5 **Neuroinflammation and the control of microglia behavior**
Manuel B. Graeber (Brain and Mind Centre, University of Sydney)

Room 1 (Nishiki, 4F) 15:30-17:00

Symposium 4

Muscle Disease

Chairs: Ichizo Nishino (Department of Neuromuscular Research, National Center of Neurology and Psychiatry(NCNP))
Kurenai Tanji (Neuromuscular Pathology Laboratory, Department of Pathology & Cell Biology, Columbia University)

S4-1 **Muscle pathology in the era of NGS**
Ichizo Nishino (Department of Neuromuscular Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry(NCNP))

S4-2 **The road less traveled: the evolving role of morphological assessment in the era of precision medicine - through a window of mitochondrial myopathy**
Kurenai Tanji (Department of Pathology & Cell Biology, Columbia University)

S4-3 **Muscle pathological changes of cancer associated myositis**
Jun Shimizu (Department of Neurology, Graduate School of Medicine, The University of Tokyo)

Room 1 (Nishiki, 4F) 17:00-18:00

Evening Seminar 1

Teaching Course

Chairs: Hiroyuki Ishiura (Department of Neurology, Graduate School of Medicine, The University of Tokyo)
Kohji Mori (Department of Psychiatry, Osaka University Graduate School of Medicine)

ES1-1 **Pentanucleotide repeat expansions in benign adult familial myoclonic epilepsy (BAFME)**
Hiroyuki Ishiura (Department of Neurology, The University of Tokyo)

ES1-2 **A modifier of the unconventional aggregate pathologies in C9orf72-FTLD/ALS**
Kohji Mori (Department of Psychiatry, Osaka University Graduate School of Medicine)

Room 2 (Hana C, 4F) 12:00-13:00

Luncheon Seminar 2

Sponsored by FUJIFILM RI Pharma Co., Ltd.

Chair: Tetsuaki Arai (Department of Neuropsychiatry, Division of Clinical Medicine, Faculty of Medicine, Univercity of Tsukuba)

LS2 **Neuropathological Evaluation of Dementia Diseases by Nuclear Medicine**
Kenji Ishii (Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology)

Room 2 (Hana C, 4F) 13:10-14:40

Symposium 2

Neuropathology of SCA: role of lysosome and autophagy in cerebellar ataxias

Chairs: Kinya Ishikawa (The Center for Personalized Medicine for Healthy Aging, Tokyo Medical and Dental University)
Andrew Lieberman (University of Michigan Medical School)

S2-1 **Calcium channel protein aggregations and role of lysozomes in SCA6**
Kinya Ishikawa (The Center for Personalized Medicine for Healthy Aging, Tokyo Medical and Dental University)

S2-2 **Autophagic function and dysfunction in Niemann-Pick type C neuropathology**
Andrew Lieberman (Department of Pathology, University of Michigan)

S2-3 **The effect of impairment of autophagy versus lysosomal proteostasis on the survival of Purkinje cells**
Masato Koike (Department of Cell Biology and Neuroscience, Juntendo University Graduate School of Medicine)

Room 2 (Hana C, 4F) 15:30-17:00

Symposium 5

Vascular Disorders

Chairs: Masafumi Ihara (Department of Neurology, National Cerebral and Cardiovascular Center)
Raj Kalaria (Institute of Neuroscience, Newcastle University)

S5-1 **Interaction between cerebrovascular disease and Alzheimer pathology**
Masafumi Ihara (Department of Neurology, National Cerebral and Cardiovascular Cetner)

S5-2 **The Gliovascular Unit in White Matter Disease associated with Post-Stroke and Vascular Dementias**
Raj Kalaria (Institute of Neuroscience, Newcastle University)

S5-3 **Role of small vessel disease in the boundaries of large vessel disease and Alzheimer disease**
Hidekazu Tomimoto (Department of Neurology, Mie University Graduate School of Medicine)

S5-4 **Exploring the pathologic targets in a white matter ischemic stroke model based on somatotopic mapping of the pyramidal tract**
Min-Cheol Lee (Department of Pathology, Chonnam National University Medical School / Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology)

Room 3 (Hana D, 4F) 12:00-13:00

Luncheon Seminar 3

Sponsored by AbbVie GK

Chair: Nobutaka Hattori (Department of Neurology, Juntendo University Graduate School of Medicine)

LS3 **Pathology of Parkinson's Disease update**

Glenda Halliday (The University of Sydney Central Clinical School | Brain and Mind Centre, NHMRC Senior Principal Research Fellow)

Room 3 (Hana D, 4F) 13:10-14:10

Oral 1

Vascular disease & trauma

Chairs: Masaki Ueno (Inflammation Pathology, School of Medicine (Basic), Kagawa University)
Daniel Perl (Center for Neuroscience and Regenerative Medicine's Brain Tissue Repository)
Kenji Sakai (Kanazawa University Graduate School of Medical Science)

O1-1 **Cerebral amyloid angiopathy initially occurs in the meningeal vessels**

Shigeki Takeda (Department of Pathology, Niigata Neurosurgical Hospital)

O1-2 **Iatrogenic Embolization Causing Stroke Following Cardiac Intervention**

John Maguire (Dept. of Pathology and Laboratory Medicine, Vancouver General Hospital)

O1-3 **Slow compression brain injury: clinical case and animal model**

Toshihiko Kuroiwa (Department of Pathology, Tsuchiura Kyodo General Hospital Namegata District Medical Center)

O1-4 **Chronic traumatic encephalopathy: The role of gliovascular pathology**

Marc Harris Goldfinger (Division of Brain Sciences, Imperial College London)

O1-5 **The neurodegeneration in old single episode head injury is not caused by Alzheimer pathology**

Safa Al-Sarraj (Department of Clinical Neuropathology, Kings College Hospital / Brain Bank, The Institute pf Psychaitry, Psycology and Neurosciences, Kings College London)

O1-6 **Sequential evaluation of pathological changes following spinal cord injury in a canine model**

Yuya Nakamoto (Department of Regeneration Science and Engineering Institute for Frontier Life and Medical Sciences, Kyoto University / Kyoto Animal Referral Medical Center)

Room 3 (Hana D, 4F) 14:10-14:30

Oral 2

Molecular pathology and bioinformatics

Chairs: Francia Victoria Abarcar De Los Reyes (Pathology Laboratory, University of the East Ramon Magsaysay Memorial Medical Center)
Kenta Masui (Pathology 1, Tokyo Women's Medical University)

O2-1 **Novel control mechanism of H3K27me3 by mTOR complexes**

Mio Harachi (Pathology 1, Tokyo Women's Medical University)

O2-2 **Comparison of the Gene Expression in Gliosarcoma versus Glioblastoma and Other Astrocytoma Variants**

Francia Victoria Abarcar De Los Reyes (Pathology Laboratory, University of the East Ramon Magsaysay Memorial Medical Center)

Room 3 (Hana D, 4F) 14:30-15:00

Oral 3

Molecular neurodegeneration

Chairs: Noriyuki Shibata (Department of Pthology, Faculty of Medicine, Tokyo Women's Medical University)
Manuel Melo Pires (Institute of Biomedical Sciences Abel Salazar, University of Porto)

O3-1 **Expression of GPR17, a negative regulator of oligodendrocyte differentiation and maturation, in Nasu-Hakola disease brains**
Jun-ichi Satoh (Department of Bioinformatics and Moleccular Neuropathology, Meiji Pharmaceutical University)

O3-2 **Neuropathology of SOD1- linked familial ALS with marked intrafamilial phenotypic variation**
Shinji Ohara (Department of Neurology, Matsumoto Medical Center)

O3-3 **Excessive soluble iron stimulates microglia to release glutamate in ALS spinal cords**
Noriyuki Shibata (Department of Pathology, Faculty of Medicine, Tokyo Women's Medical University)

Room 3 (Hana D, 4F) 15:30-16:10

Oral 4

Basic neuropathology

Chairs: Kyoko Itoh (Kyoto Prefectural University of Medicine)
Shinsuke Kato (Division of Neuropathology, Tottori University Faculty of Medicine)

O4-1 **Stereoscopic inspection of autopsied brain reconstructed from two-dimensional images**
Hiroshi Shintaku (Laboratory of Structural Neuropathology, Tokyo Metropolitan Institute of Medical Science / Neuromorphomics, Nitobe-Memorial Nakano General Hospital / Dept. of neurology and neurological science, Tokyo Medical and Dental University)

O4-2 **Hippocampal adult neurogenesis is perturbed in microcephaly model mice with aging**
Hisashi Takahashi (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)

O4-3 **Presumptive function of microcephaly related gene Aspm during murine brain development**
Madoka Tonosaki (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)

O4-4 **Epoch-making therapy that delays ALS progression in G1H-G93A ALS mice: oral administration of non-purine-analogue xanthine oxidoreductase inhibitors (XORIs)**
Shinsuke Kato (Division of Neuropathology, Tottori University Faculty of Medicine)

Room 3 (Hana D, 4F) 16:10-16:50

Oral 5

Pediatric disease & Epilepsy

Chairs: Masashi Mizuguchi (School of International Health, Graduate School of Medicine, The University of Tokyo)
Yao-Feng Li (UCL Great Ormond Street Institute of Child Health)
Hiroshi Shimizu (Brain Research Institute, Niigata University)

O5-1 **Spectrum of central nervous system tumors in infants according to 2016 WHO Classification from a tertiary care centre in India**
Kavneet Kaur (All India Institute of Medical Sciences (AIIMS), New Delhi)

O5-2 **Unusually high frequency of dual/ double pathology in neurocysticercosis causing drug resistant epilepsy in India. Chance association or causal?**
Radhika Kailas Mhatre (Department of Neuropathology, NIMHANS)

O5-3 **Using models of cell-cell interactions in the focal cortical dysplasia (FCD) to unravel the cellular diversity in developmental cortical lesions**

Yao-Feng Li (UCL Great Ormond Street Institute of Child Health)

O5-4 **Galactosialidosis: clinicopathological features of four autopsied patients**

Hiroshi Shimizu (Brain Research Institute, Niigata University)

Room 4 (Ohgi, 4F) 13:10-14:30

Symposium 3

ASNP Session 1 (Brain Tumor 1)

Chairs: Vani Santosh (Department of Neuropathology, National Institute of Mental Health & Neuro Sciences (NIMHANS))
Ho-Keung Ng (Department of Anatomical and Cellular Pathology, Chinese University of Hong Kong)

S3-1 **Radiation Induced Secondary Glioblastomas in patients with medulloblastomas showed alteration of the PDGFRA and TP53 in whole exome sequencing**
Sung-Hye Park (Department of Pathology, Seoul National University Hospital, Seoul National University College of Medicine)

S3-2 **Astroblastoma is pathologically and genetically distinct from other mimics**
Takanori Hirose (Department of Pathology for Regional Communication, Kobe University Graduate School of Medicine / Department of Diagnostic Pathology, Hyogo Cancer Center)

S3-3 **CNS Embryonal Tumors beyond the WHO 2016 Classification**
Vani Santosh (Department of Neuropathology, National Institute of Mental Health & Neuro Sciences (NIMHANS))

S3-4 **Are IDH wt diffuse astrocytomas glioblastomas in disguise ?**
Ho-Keung Ng (Department of Anatomical and Cellular Pathology, Chinese University of Hong Kong)

Room 4 (Ohgi, 4F) 15:30-16:50

Symposium 6

ASNP Session 2 (Brain Tumor 2)

Chairs: Sung-Hye Park (Department of Pathology, Seoul National University)
Takanori Hirose (Department of Diagnostic Pathology, Kobe University Hospital)

S6-1 **Molecular heterogeneity in IDH-mutant gliomas**
Michael E. Buckland (Neuropathology Department, Royal Prince Alfred (RPA) Hospital / Brain & Mind Centre, University of Sydney)

S6-2 **CNS high-grade neuroepithelial tumor with BCOR internal tandem duplication**
Sumihito Nobusawa (Department of Human Pathology, Gunma University Graduate School of Medicine)

S6-3 **Histological and molecular genetic features of epithelioid glioblastoma**
Hideaki Yokoo (Department of Human Pathology, Gunma University)

S6-4 **Pilomyxoid Astrocytoma: What do we know about the tumor?**
Tarik Tihan (Department of Pathology, University of California, San Francisco (UCSF))

Room 4 (Ohgi, 4F) 16:50-17:50

Symposium 7

ASNP Session 3 (Infection)

Chairs: Leila Chimelli (State Institute of Brain Paulo Niemeyer / Federal University of Rio de Janeiro)
Kum Thong Wong (Department of Pathology, Faculty of Medicine, University of Malaya)

S7-1 **Evaluation of glial biology in pathogenesis of CNS infections**
Anita Mahadevan (Department of Neuropathology, National Institute of Mental Health and Neurosciences (NIMHANS))

S7-2 **Neuroinvasion via peripheral nerves: Increasing evidence for its importance in viral encephalitis**
Kum Thong Wong (Department of Pathology, Faculty of Medicine, University of Malaya)

S7-3 **Neuropathology and neuropathogenesis of congenital Zika syndrome**
Leila Chimelli (State Institute of Brain Paulo Niemeyer / Federal University of Rio de Janeiro)

Poster and Exhibition (Hana A & B, 4F) 14:30-15:30

Poster Session 1

P1-1 **The boundaries and essence of anti-MOG syndrome**
Lei Liu (Department of Neurology, Beijing Tongren Hospital, Capital Medical University)

P1-2 **MS lesion characteristics in Netherlands Brain Bank autopsy cohort: clinical and genetic correlates**
Nina L Fransen (Dept. of Neuroimmunology, The Netherlands Institute for Neuroscience)

P1-3 **Perivenous inflammatory demyelination is the prominent pathology in myelin oligodendrocyte glycoprotein antibody-associated disease**
Yoshiki Takai (Department of Neurology, Tohoku University School of Medicine)

P1-4 **Multifocal central nervous system demyelination in a 40 year old: is it paraneoplastic?**
Rajalakshmi Poyuran (Department of Pathology, SCTIMST)

P1-5 **The antidepressant effect of ketamine in a murine model of neuroinflammation involves the modulation of microglial activation**
F Verdonk (Experimental neuropathology, Institut Pasteur / Departement of Anesthesiology and Intensive Care, Saint Antoine Hospital)

P1-6 **Immunophenotype of lymphocytic primary angiitis of the central nervous system: a case study**
Masashi Watanabe (Department of Neurology, Ehime Prefectural Central Hospital)

P1-7 **Brain biopsy findings in a patient with MOG antibody-associated encephalitis**
Takayuki Kosaka (Department of Neurology, Graduate School of Medical Sciences, Kumamoto University)

P1-8 **The pathological features of MOG antibody-positive cerebral cortical encephalitis as a new spectrum associated with MOG antibodies**
Toshimasa Ikeda (Institute for Medical Science of Aging, Aichi Medical University / Department of Neurology and Neuroscience, Nagoya City University Graduate School of Medical Sciences / Department of Neurology, Nagoya City East Medical Center)

P1-9 **Chronic leukoencephalopathy-like disease expansion and massive necrosis of the cerebral white matter in a patient with neuromyelitis optica**
Chiho Ishida (Department of Neurology, Hokuriku Brain and Neuromuscular Disease Center, National Hospital Organization Iou Hospital)

P1-10 **Five cases of cerebral amyloid angiopathy related inflammation/angiitis diagnosed with brain biopsy**
Hideyuki Moriyoshi (Department of Neurology, TOYOTA Memorial Hospital / Department of Neurology, Nagoya University Graduate School of Medicine)

P1-11 **MOG antibody positive meningo-leukoencephalitis with demyelination**
Kentaro Tokumoto (Department of Neurology, Kemeda Medical Center / Department of Neurology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology)

P1-12 **DNA double-strand breaks in oligodendrocytes - the unifying step prior to myelin degeneration in Alzheimer's dementia and multiple sclerosis**
Kai-Hei Tse (Division of Life Science, The Hong Kong University of Science and Technology, Clear Water Bay / MS Research Australia Brain Bank, Department of Neuropathology, Royal Prince Alfred Hospital & Brain and Mind Center, University of Sydney)

P1-13 **Diaschisis in the experimental white matter stroke model: Histopathology and pathogenesis**
Min-Cheol Lee (Department of Pathology, Chonnam National University Medical School)

P1-14 **White matter neuropathology due to cerebral micro-hemorrhages in geriatric traumatic brain injury**
Andrei Irimia (Ethel Percy Andrus Gerontology Center, Leonard Davis Schoo of Gerontology, University of Southern California)

P1-15 **Upregulation of annexin A1 in reactive astrocytes at the boundaries of human brain infarcts**
Masahiro Shijo (Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University / Department of Medicine and Clinical Science, Graduate School of Medical Sciences, Kyushu University)

P1-16 **A case of juvenile central nervous system venulitis mimicking multiple sclerosis**
Hitomi Onomura (Division of Integrated Medicine, TOYOTA Memorial Hospital)

P1-17 **Cerebral impact of muscle trauma**
Lorna Gueniot (Experimental neuropathology, Institut Pasteur / Direction Generale de l Armement, Ministere des Armees / ED Bio-SPC, Paris-Descartes University)

P1-18 **Coexistence of transthyretin- and Aβ-type cerebral amyloid angiopathy in a patient with hereditary transthyretin V30M amyloidosis**
Kenji Sakai (Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences)

P1-19 **Expression of hepatocyte growth factor and c-Met receptor in the anterior horn cells of the spinal cord in the patients with spinal cord injury**
Hiroshi Kohama (Division of Neuropathology, Tottori University Faculty of Medicine)

P1-20 **Long-term interval from the spinal cord lesion to subsequent brain lesion in primary central nervous system vasculitis: a case report**
Tomoya Kon (Department of Neuropathology, Hirosaki University / Department of Neurology, Aomori Prefectural Central Hospital)

P1-21 **A case of congophilic amyloid angiopathy-related hemorrhages versus traumatic brain injury by car accident?**
Dennis J Chute (Dutchess County Department of Behavioral and Community Health)

P1-22 **A case of Aspergillus infection presenting as cerebral infarction and subarachnoid hemorrhage due to infectious aneurysm rupture**
Ryosuke Inagaki (Department of Neurology TOYOTA Memorial Hospital)

P1-23 **Pathology of hypertensive cerebral hemorrhage: Revisiting miliary aneurysm of Charcot-Bouchard using serial sections**
Aya Takada (Department of Forensic Medicine, Saitama Medical University / Tokyo Medical Examiner's Office)

P1-24 **Intracranial internal carotid artery injury as a rare cause of traumatic subarachnoid hemorrhage in non-missile head injury: Clinicopathological analysis of nine forensic autopsy cases**
Kazuyuki Saito (Department of Forensic Medicine, Juntendo University Graduate School of Medicine / Department of Forensic Medicine, Saitama Medical University / Tokyo Medical Examiner's Office)

P1-25 **"FAHR DISEASE" (symmetrical and selective cerebral calcification) is considered a kind of "ANGIOGENIC DISEASE" from the results of pathological and radiological studies**
Eisuke Honda (Honda Occupational Health Consultant Office)

P1-26 **Extensive calcifying CNS microangiopathy in a patient with scleroderma**
Istvan Bodi (Clinical Neuropathology, Kings College Hospital NHS Foundation Trust / MRC London Neurodegenerative Diseases Brain Bank. IOPPN, Kings College London, SGDP Centre)

P1-27 **9-year old girl with Cerebellopontine angle mass**
Yuan Yuan (Department of Pathology, Beijing Tiantan Hospital)

P1-28 **The specific accumulation of subunit c of mitochondria ATP synthase and curvilinear profile in neuronal cytoplasm of methylenetetrahydrofolate reductase deficiency**
Takahiro Fukuda (Division of Neuropathology, Department of Pathology, The Jikei University School of Medicine)

P1-29 **Brain pathology of mucopolysaccharidosis type 2, mild form**
Susumu Igarashi (Department of Neurology, Yokosuka Kyosai Hospital)

P1-30 **Typical Type I lissencephaly in Miller-Dieker Syndrome: Report of an autopsy case**
Yoshinori Kodama (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)

P1-31 **An autopsy case of late-infantile GM1 gangliosidosis survived long duration with artificial respiratory support**

Akiko Uchino (Department of Neuropathology (Brain Bank for Aging Research), Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology / Department of Neurology, Kitasato University Kitasato Institute Hospital)

P1-32 **Chronic consequences of neonatal exposure to common organic solvents on behavior, motoric functions and brain morphology in young rats**

Mirna Lechpammer (Department of Pathology and Laboratory Medicine, Division of Neuropathology, University of California Davis)

P1-33 **Poorly differentiated chordoma with loss of SMARCB1/INI1 expression in a pediatric patient: a case report**

Shiho Yasue (Department of Pediatrics, Graduate School of Medicine, Gifu University)

P1-34 **Severe mental retardation associated to central nervous system developmental disorders. Report of two cases in Mexico (postmortem pathology)**

Eduardo Navarrete Medina (Hospital Civil de Guadalajara, "Dr. Juan I. Menchaca" UDG)

P1-35 **Clasmatodendrosis in Influenza-Associated Encephalopathy is associated with dendritic spines and does not represent autophagic astrocyte death**

M Tachibana (Osaka University United Graduate School of Child Development / Department of Pediatrics, Osaka University Graduate School of Medicine)

P1-36 **Classification systems in surgical pathology of drug resistant epilepsy: the old versus new**

Rajalakshmi Poyuran (Department of Neuropathology, NIMHANS / Department of Pathology, SCTIMST)

P1-37 **A case of mild malformation of cortical development with oligodendroglial hyperplasia (MOGHE): a new pathological entity of frontal lobe epilepsy**

Chenhui Mao (Department of Neurology, Peking Union Medical College Hospital, Chinese Academy of Medical Science)

P1-38 **Meningioangiomatosis: an incidental find during epilepsy surgery**

Diana Pasov (Bagdasar-Arseni Clinical Emergency Hospital, Department of Pathology)

P1-39 **Eosinophilic astrocytic inclusions of the white matter in patient with epilepsy**

Alaa Mohammad Alkhotani (Umm AlQura Univesity. Pathologyy Department / King Abdullah Medical City)

P1-40 **Comprehensive analysis of protein expression profiles in sclerotic hippocampus from patients with mesial temporal lobe epilepsy**

Ayako Furukawa (Faculty of Pharmaceutical Sciences, Suzuka University of Medical Science)

P1-41 **Histopathological Findings in Brain Tissue of an anti-NMDAR Encephalitis Patient Obtained during Epilepsy Surgery**

Lei Liu (Department of Neurology, Beijing Tongren Hospital, Capital Medical University)

P1-42 **Pathological examination of transmantle sign of FCD exhibiting T1-high-intensity on magnetic resonance imaging**

Ayako Shioya (Department of Pathology and Laboratory Medicine, National Center Hospital, National Center of Neurology and Psychiatry / Department of Neurology, Mito Kyodo General Hospital, University of Tsukuba)

P1-43 **Epileptogenesis of the subiculum associated with hippocampal sclerosis in patients with MTLE**

Hiroki Kitaura (Dept.Pathology, Brain Res Inst., Niigata Univ.)

P1-44 **Reversible enlargment of amygdala without definite pathological abnormality**

Rie Motoyama (Department of Neurology, Tokyo Metropolitan Geriatric Hospital & Institute of Gerontology)

P1-45 **Hippocampal morphometry in sudden and unexpected death in epilepsy (SUDEP)**

Maria Thom (Department of Clinical and Experimental Epilepsy, UCL Institute of Neurology)

P1-46 **Focal cortical dysplasia associated with CNS injury in early childhood**

Mrinalini Honavar (Department of Anatomic Pathology, Hospital Pedro Hispano)

P1-47 **Male of 19 years with superefractory genetic epilepsy associated to bilateral porencephaly. Case report in Mexico**
E Navarrete Medina (Hospital Civil Juan I. Menchaca UDG)

P1-48 **Pathological characteristics of peripheral neuropathy in eosinophilic granulomatosis with polyangitis**
Ryota Sato (Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine)

P1-49 **Label-free visualization of abnormal lipid accumulation in tissues from Fabry disease patients using Raman spectroscopic marker of globotriaosylceramide**
Yu Nagashima (School of Medicine, The University of Tokyo / School of Science, The University of Tokyo)

P1-50 **Vasculopathy in hereditary transthyretin amyloidosis: an electron microscopic study**
Haruki Koike (Nagoya University Graduate School of Medicine)

P1-51 **An autopsy case of acute autonomic and sensory neuropathy**
Hiroto Nakano (Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences)

P1-52 **Peripheral polyneuropathy associated with leptomeningeal carcinomatosis and lymphomatosis: diseases simulating Guillain Barre syndrome. Report of two postmortem cases**
Eric Eduardo Mendoza (Department of neuropathology, General Hospital of Mexico Dr. Eduardo Liceaga)

P1-53 **B cell activating factor (BAFF) expression in active phase of vasculitic neuropathies**
Teruaki Kawasaki (Kyoto Clinical and Translational Research Center for Neurocognitive Disorders / Koseikai Takeda Hospital, Center of Neurological and Cerebrovascular Diseases)

P1-54 **Anti-HMGCR antibody shows bcl-2-positive lymphocyte infiltration and follicles**
Takashi Kurashige (Department of Neurology, NHO Kure Medical Center / Chugoku Cancer Center)

P1-55 **Fatal disseminated Annacaliia algerae myositis mimicking polymyositis in an immunocompromised patient**
Fouzia Ziad (Dept of Pathology, Waikato Hospital)

P1-56 **Pathological finding of the first autopsy case with adenylosuccinate synthetase-like 1 (ADSSL1) gene mutation myopathy**
Atsuko Motoda (Department of Neurology, Hiroshima-nishi Medical Center / Department of Clinical Neuroscience and Therapeutics, Hiroshima University, Institute of Biomedical and Health Sciences)

P1-57 **Clinical and pathological features in patients with Nakajo-Nishimura syndrome and inclusion body myositis**
Megumi Mori (Department of Neurology, Wakayama Medical University)

P1-58 **Myopathological features of cancer-free myositis with anti-TIF1-γ-Ab positive**
Kenichiro Taira (Department of Neurology, Graduate School of Medicine, The University of Tokyo)

P1-59 **Juvenile dermatomyositis in a 1-year-and-9-months-old boy**
Jariya Waisayarat (Department of Pathology, Faculty of Medicine Ramathibodi Hospital, Mahidol University)

P1-60 **Granulomatous myositis associated with anti-PD-1 antibody**
Naohiro Uchio (Department of Neurology, Graduate School of Medicine, The University of Tokyo)

P1-61 **Macrophage and chronic Graft-versus-host-disease myositis. A clinicohistopathologic study**
Atsushi Unuma (Department of Neurology, Graduate School of Medicine, The University of Tokyo)

P1-62 **Abundant cytoplasmic bodies in myotendinous junctions**
Yasushi Oya (Dept of Neurol, Natl Center Hosp, Natl Center of Neurology & Psychiatry)

P1-63 **An autopsy case of myotonic dystrophy combined with idiopathic normal pressure hydrocephalus**
Chigusa Watanabe (Department of Neurology, Hiroshimanishi Medical Center)

P1-64 **Phosphorylated TDP-43 (pTDP-43) aggregates in the axial skeletal muscle of patients with sporadic and familial amyotrophic lateral sclerosis**
Matthew Daniel Cykowski (Houston Methodist Hospital)

P1-65 **Anaplastic medulloblastoma with multilineage differentiation in Indian subcontinents: a case report**
Suresh Babu (Department of Pathology, King George Medical University)

P1-66 **Genomic Alterations and Molecular Subgroups in Atypical Teratoid/Rhabdoid Tumors: The Medical University of Vienna (MUV) Experience**
Christine Haberler (Medical University of Vienna, Institute of Neurology)

P1-67 **Congenital central nervous system tumors: a mono-institutional series of 51 consecutive patients**
Anna Maria Buccoliero (Pathology Unit, Meyer Hospital)

P1-68 **A clinical diagnostic challenge: cranial nerve and leptomeningeal involvement by Atypical Teratoid/Rhabdoid Tumor (AT/RT) in a 15-month-old male infant presenting with lip swelling**
Fahd Mayouf Al Sufiani (Pathology and Laboratory Medicine, King Abdulaziz Medical City)

P1-69 **Grading of Meningeal Solitary Fibrous Tumors/Hemangiopericytomas: Prognostic Value of the Marseille Grading System in a Cohort of 132 Patients in correlation with molecular data**
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