

## Wednesday, September 26, 2018

### Keio Plaza Hotel Tokyo

Room 1 (Nishiki, 4F)

8:50-10:10

#### Symposium 22

#### CTE and MND, Acquired Tauopathy and TDP43 Proteinopathy

**Chairs:** Daniel P Perl (The Center for Neuroscience and Regenerative Medicine's Brain Tissue Repository, Uniformed Services University of the Health Sciences)

Shigeki Kuzuhara (Division of Health Science, Graduate School of Health Science, Suzuka University of Medical Science)

**S22-1 Insights From Studies of The Acquired Tauopathies**

Daniel P Perl (The Center for Neuroscience and Regenerative Medicine's Brain Tissue Repository, Uniformed Services University of the Health Sciences)

**S22-2 Consensus meeting to define neuropathological criteria for the diagnosis of chronic traumatic encephalopathy**

Nigel J. Cairns (Department of Neurology, Washington University)

**S22-3 Chronic Traumatic Encephalopathy in Athletes: The Aftermath of Repetitive Head Injuries**

Kathy L Newell (Department of Pathology & Laboratory Medicine, University of Kansas Medical Center)

**S22-4 Neuropathology of Familial Amyotrophic Lateral Sclerosis and Parkinsonism dementia Complex from the Hohara focus of the Kii Peninsula: a tau-dominant multiple proteinopathy**

Maya Mimuro (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University)

Room 1 (Nishiki, 4F)

10:20-11:50

#### Symposium 24

#### Prion Disease up to date

**Chairs:** Hidehiro Mizusawa (National Center of Neurology and Psychiatry / Tokyo Medical and Dental University)

Gabor G. Kovacs (Institute of Neurology, Medical University of Vienna)

**S24-1 Prion and Prion disease : An overview and challenges**

Hidehiro Mizusawa (National Center of Neurology and Psychiatry / Tokyo Medical and Dental University)

**S24-2 Neuropathology of prion diseases: principles and more**

Gabor G. Kovacs (Institute of Neurology, Medical University of Vienna)

**S24-3 What is abnormal prion protein (PrP<sup>Sc</sup>)?**

Atsushi Kobayashi (Laboratory of Comparative Pathology, Graduate School of Veterinary Medicine, Hokkaido University)

**S24-4 Neuropathology of V180I genetic CJD**

Yasushi Iwasaki (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University)

**S24-5 Neuropathology of FAP type prion disease**

Koji Abe (Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)

Kota Sato (Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)

Room 1 (Nishiki, 4F)

13:10-13:40

**Franz Nissl Young Investigator Award Lecture**

**Chairs:** David Hilton (University Hospitals Plymouth NHS Trust)  
Dennis W. Dickson (Department of Neuroscience, Mayo Clinic)

**NA Pathological epidemiology of chronic traumatic encephalopathy in Southeastern Minnesota, U.S.A.**

Kevin F. Bieniek (Department of Neuroscience, Mayo Clinic)

Room 1 (Nishiki, 4F)

13:50-15:10

**Symposium 28****Neuropathology of Parkinsonism**

**Chairs:** Dennis W. Dickson (Department of Neuroscience, Mayo Clinic)  
Koichi Wakabayashi (Department of Neuropathology, Hirosaki University Graduate School of Medicine)

**S28-1 Neuropathology of progressive supranuclear palsy (PSP) and corticobasal degeneration (CBD) presenting as either PSP syndrome (PSPS) or corticobasal syndrome (CBS)**

Dennis W. Dickson (Department of Neuroscience, Mayo Clinic)

**S28-2 Neuropathology of Parkinson's disease as multicentric Lewy body disorder**

Koichi Wakabayashi (Department of Neuropathology, Hirosaki University Graduate School of Medicine)

**S28-3 Evolving concepts of globular glial tauopathies**

Gabor G. Kovacs (Institute of Neurology, Medical University of Vienna)

**S28-4 Multiple system atrophy: glial and neuronal synucleinopathy**

Mari Yoshida (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University)

Room 1 (Nishiki, 4F)

15:40-17:00

**Symposium 30****Developmental Neuropathology**

**Chairs:** Homa Adle-Biassette (Department of Pathology, Lariboisiere Hospital, APHP)  
Brian Harding (University of Pennsylvania / Department of Pathology, Children's Hospital of Philadelphia)  
Kyoko Itoh (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)

**S30-1 Molecular mechanisms underlying mammalian-specific neocortical development and evolution**

Tadashi Nomura (Department of Developmental Neurobiology, Kyoto Prefectural University of Medicine)

**S30-2 Hippocampal neurogenesis during development and aging in human**

Homa Adle-Biassette (Department of Pathology, Lariboisiere Hospital, APHP / PROTECT, INSERM, Paris Diderot University, Sorbonne Paris Cite, F-75019 Paris, France / Plateforme de Bio-Pathologie et de Technologies Innovantes en Sante, Centre de Ressources Biologiques, BB-0033-00064, Lariboisiere Hospital, APHP, Paris, France)

**S30-3 Normal and abnormal CNS development : new insights with fetal ultrasound**

Ritsuko Kimata Pooh (CRIFM Clinical Research Institute of Fetal Medicine PMC)

**S30-4 A continuing role for morphology in a multidisciplinary environment**

Brian Harding (University of Pennsylvania / Department of Pathology, Children's Hospital of Philadelphia)

Room 1 (Nishiki, 4F)

17:10-17:50

**JSNP General Assembly**

Room 2 (Hana C, 4F)

8:50-10:10

**Symposium 23****Evolving Landscapes in Pathology of MS and NMO**

**Chairs:** Izumi Kawachi (Department of Neurology, Brain Research Institute, Niigata University)  
Hans Lassmann (Center for Brain Research, Medical University of Vienna)

**S23-1 Axonal Pathology in Multiple Sclerosis**

Hans Lassmann (Center for Brain Research, Medical University of Vienna)

**S23-2 Oligodendrocyte pathology in MS**

Wolfgang Brück (Institute of Neuropathology, University Medical Center Goettingen)

**S23-3 Environmental control of astrocyte pathogenic activities in CNS inflammation**

Francisco J. Quintana (Center for Neurologic Diseases, Harvard Medical School / The Broad Institute of Harvard and MIT)

**S23-4 Up-to-date pathology in NMO**

Izumi Kawachi (Department of Neurology, Brain Research Institute, Niigata University)

Room 2 (Hana C, 4F)

10:20-11:20

**Oral 11****TDP-43 proteinopathy**

**Chairs:** Tetsuaki Arai (University of Tsukuba Hospital)  
Kathy L Newell (Dept of Pathology & Laboratory Medicine, University of Kansas School of Medicine)

**O11-1 Pathological spreading of TDP-43 studied in real time: Impaired microglia function leads to propagation of TDP-43 along the axon and into surrounding tissue**

Marco Morsch (Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, Macquarie University)

**O11-2 Splicing Repression is a Major Function of TDP-43 in Motor Neurons**

Liam Chen (Department of Pathology, Johns Hopkins Hospital)

**O11-3 HSF1 suppresses adenovirus-induced neuronal TDP-43 aggregate formation in culture**

Kazuhiko Watabe (Department of Medical Technology (Neuropathology), Kyorin University Faculty of Health Sciences)

**O11-4 Early onset amyotrophic lateral sclerosis associated with a TARDBP S375G variant: neuropathologic characterization and neurobiologic studies**

Kathy L Newell (Dept of Pathology &amp; Laboratory Medicine, University of Kansas School of Medicine)

**O11-5 poly-GR c9RANT correlate with neurodegeneration and clinicopathological phenotype in C9ORF patient**

Nobutaka Sakae (Department of Neuroscience, Mayo Clinic Jacksonville)

**O11-6 An autopsy case of hereditary motor and sensory neuropathy with proximal dominant involvement (HMSN-P, or HMSN Okinawa type)**

Shugo Suwazono (Center for Clinical Neuroscience, National Hospital Organization Okinawa Hospital / Department of Neurology, National Hospital Organization Okinawa Hospital)

Room 2 (Hana C, 4F)

11:20-11:50

**Oral 13****Synucleinopathy****Chairs:** Nobutaka Hattori (Department of Neurology, Juntendo University)

Hisae Sumi-Akamaru (Department of Clinical Laboratory, Higashi-Osaka Medical Center / Department of Neurology, Graduate School of Medicine, Osaka University)

**O13-1 The neuropathology of motor subtypes of Parkinson's disease: from the brainstem to basal ganglia**

Benson S Tilley (Neuropathology Unit, Division of Brain Sciences, Department of Medicine, Imperial College London)

**O13-2 The accumulation of tyrosine hydroxylase to Lewy bodies in PLA2G6 associated neurodegeneration**

Hisae Sumi-Akamaru (Department of Clinical Laboratory, Higashi-Osaka Medical Center / Department of Neurology, Graduate School of Medicine, Osaka University)

**O13-3 A new MSA model mice recapitulate some pathological and clinical features in human patients**

Kunikazu Tanji (Department of Neuropathology, Hirosaki University School of Medicine)

Room 2 (Hana C, 4F)

12:00-13:00

**Luncheon Seminar 6**

Sponsored by CHUGAI PHARMACEUTICAL CO., LTD.

**Chair:** Masahito Yamada (Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences)**LS6 The Therapeutic approach of Alzheimer's disease on Oligomer hypothesis**

Kenjiro Ono (Department of Neurology, Showa University School of Medicine)

Room 2 (Hana C, 4F)

13:10-13:50

**Oral 14****Neuroinflammation****Chairs:** Yue shan Piao (Department of Pathology, Xuanwu Hospital, Capital Medical University)

Izumi Kawachi (Department of Neurology, Brain Research Institute, Niigata University)

**O14-1 Radiological, immunological, and pathological analysis of ependymal cells in neuromyelitis spectrum disorders**

Fumihiko Yanagimura (Department of Neurology, Brain Research Institute, Niigata University)

**O14-2 The classification and clinical significances of autoantibodies against astrocytes**

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

**O14-3 Neuronal surface antibody mediated autoimmune encephalitis and its paraneoplastic linkage**

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

**O14-4 DOCK8 regulates microglial activity in neuroinflammation**

Kazuhiko Namekata (Visual Research Project, Tokyo Metropolitan Institute of Medical Science)

Room 2 (Hana C, 4F)

14:00-15:00

**Sponsored Seminar**

Sponsored by NOVOCURE K.K.

**Chair:** Motoo Nagane (Department of Neurosurgery, Kyorin University Faculty of Medicine)**SS TFields for Glioblastoma: From Cell Biology to Clinical Applications**

Eric T. Wong (Brain Tumor Center &amp; Neuro-Oncology Unit, Harvard Medical School Beth Israel Deaconess Medical Center)

Room 2 (Hana C, 4F)

15:40-16:20

**Oral 15****Prion & Infection****Chairs:** Masamichi Goto (National Sanatorium Hoshizuka-Keiaien)

Masaki Takao (International Medical Center, Saitama Medical University)

**O15-1 Pathological characteristics and anti-acid staining of non-tuberculous brain infection**

Jing Gao (Neurological Department Neuropathological Lab Peking Union Medical College Hospital / Neurological Department Peking Union Medical College Hospital)

**O15-2 Invasive aspergillosis of paranasal sinuses with orbitocranial and brain extensive extension**

Erick Gomez-Apo (General Hospital of Mexico)

**O15-3 Leprosy and Buruli ulcer - mycobacterial diseases with painless skin lesions**

Masamichi Goto (National Sanatorium Hoshizuka-Keiaien)

**O15-4 Progression of neuropathology of Creutzfeldt-Jakob disease and its relation to clinical findings**

Yasushi Iwasaki (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University)

Room 2 (Hana C, 4F)

16:20-17:00

**Oral 17****Tauopathy****Chairs:** Yasuko Toyoshima (Brain Reserch Institute, Niigata University)

Gabor G. Kovacs (Institute of Neurology, Medical University of Vienna, Vienna, Austria / Center for Neurodegenerative Disease Research (CNDR), Institute on Aging and Department of Pathology &amp; Laboratory Medicine)

**O17-1 Possible distinction of four repeat tau-positive lesions of Alzheimer's disease and progressive supranuclear palsy probed by four repeat-specific antibodies**

Momoko Ebashi (Laboratory of Structural Neuropathology, Tokyo Metropolitan Institute of Medical Science / Division of Neurology, Department of Medicine, Nihon University School of Medicine)

**O17-2 TDP-43 pathology contributes to clinicopathological heterogeneity of corticobasal degeneration**

Shunsuke Koga (Department of Neuroscience, Mayo Clinic)

**O17-3 Morphological features of neuronal and glial tau pathology in GGT (Types II and III)**

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

**O17-4 Sequential distribution patterns of aging-related tau astrogliopathy (ARTAG) in the human brain**

Gabor G. Kovacs (Institute of Neurology, Medical University of Vienna / Center for Neurodegenerative Disease Research (CNDR), Institute on Aging and Department of Pathology &amp; Laboratory Medicine)

Room 3 (Hana D, 4F)

10:10-10:45

**Oral 10****Molecular markers****Chairs:** Yukihiro Fujii (Department of Neurosurgery, Brain Research Institute, Niigata University)

Eiichi Ishikawa (Departments of Neurosurgery, Faculty of Medicine, University of Tsukuba)

- O10-1 Expression of GLUT1 on pseudopalisading cells and perivascular tumor cells: an independent prognostic factor of patients with glioblastomas**  
Satoru Komaki (Department of Pathology, Kurume University School of Medicine)
- O10-2 Oncogene addiction switch from NOTCH to PI3K/AKT require simultaneous targeting of NOTCH and PI3K pathway inhibition in glioblastoma**  
Norihiro Saito (Department of Neurosurgery, Toho University Ohashi Medical Center)
- O10-3 Development of a novel FISH probe for detection of 1p/19q codeletion in routine glioma diagnosis**  
Kaishi Satomi (Department of Pathology and Clinical Laboratories, National Cancer Center Hospital)
- O10-4 BCL2 expression is associated with a poor prognosis independent of cellular origin in primary central nervous system diffuse large B-cell lymphoma**  
Keishi Makino (Department of Neurosurgery, Kumamoto University)
- O10-5 Serum IL-2 receptor and random skin biopsy for intravascular large B-cell lymphoma - cases with central nervous system involvement are particular for these diagnostic methods ? -**  
Eiichi Ishikawa (Departments of 1 Neurosurgery, Faculty of Medicine, University of Tsukuba)

Room 3 (Hana D, 4F)

10:45-11:20

**Oral 12****Lymphoma and other malignant tumors****Chairs:** Akira Matsuno (Department of Neurosurgery / Pituitary & Endoscopic Surgery Center, Teikyo University School of Medicine)

Shogo Ishiuchi (Department of Neurosurgery, Graduate School of Medicine, University of the Ryukyus)

- O12-1 Novel patient-derived primary central nervous system lymphoma xenograft models to exploit therapeutic target**  
Yohei Miyake (Department of Neurosurgery, Yokohama City University)
- O12-2 Clinicopathological study of diffuse large B-cell lymphoma associated with chronic inflammation arising in the CNS**  
Yasuo Sugita (Department of Pathology, University of Kurume)
- O12-3 HMGA2 is a prognostic factor associated with malignant phenotype in medulloblastoma**  
Yoshiki Arakawa (Department of Neurosurgery, Kyoto University Graduate School of Medicine)
- O12-4 The correlation of fluorescence of protoporphyrinogen 9 and molecular biological characters in gliomas**  
Shigeo Ohba (Department of Neurosurgery, Fujita Health University)
- O12-5 Clinical features of supratentorial cortical ependymomas: a report of 8 cases at a single center**  
Yuji Matsumoto (Department of Neurological Surgery, Okayama University Graduate School of Medicine)

Room 3 (Hana D, 4F)

11:20-11:45

**Symposium 26****Pediatric gliomas**

**Chairs:** Fausto J. Rodriguez (Clinical Neuropathology Service, Department of Pathology, Johns Hopkins University School of Medicine)  
 Yasuo Aihara (Department of Neurosurgery, Tokyo Women's Medical University)  
 Yoshiki Arakawa (Department of Neurosurgery, Kyoto University Graduate School of Medicine)

**S26-1 Genome-wide DNA methylation profiling reveals molecular heterogeneity of anaplastic pleomorphic xanthoastrocytoma**

Taishi Nakamura (Department of Neurosurgery, Graduate School of Medicine, Yokohama City University)

**S26-2 The diversity of pediatric high grade gliomas**

Akihiko Kondo (Department of Neurosurgery, Juntendo University)

**S26-3 Clinicopathological features of pediatric supratentorial high grade glioma**

Koji Yoshimoto (Department of Neurosurgery, Graduate School of Medical and Dental Sciences, Kagoshima University)

Room 3 (Hana D, 4F)

12:00-13:00

**Luncheon Seminar 7**

Sponsored by DAIICHI SANKYO COMPANY, LIMITED

**Chair:** Kazutomi Kanemaru (Department of Neurology, Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology)

**LS7 Atrial fibrillation of the oldest old, for the special concern of low body weight and frailty**

Kazumasa Harada (Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology)

Room 3 (Hana D, 4F)

13:45-15:25

**Symposium 27**

Sponsored by BNS

**Forensic Neuropathology**

**Chairs:** Naoki Nishida (Department of Legal Medicine, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama)  
 Colin Smith (Neuropathology, University of Edinburgh / Academic Department of Neuropathology, Centre for Clinical Brain Sciences)

**S27-1 The utility of post mortem radiological imaging in forensic neuropathology practice**

Linda E Iles (Forensic Pathology Services, Victorian Institute of Forensic Medicine)

**S27-2 Vascular complications of traumatic head injury**

Daniel du Plessis (Greater Manchester Neurosciences Centre, Salford Royal Hospital / Dept of Paediatric Pathology, Alder Hey Children's Hospital)

**S27-3 Inflicted traumatic brain injury in infants: An update on neuropathology and ophthalmopathology with a reassessment of the role of the brainstem**

Jakob Matschke (Forensic Neuropathology Unit / Institute for Neuropathology, University Medical Centre Hamburg-Eppendorf)

**S27-4 Brain Swelling: Issues of Recognition, Aetiology and Timing – Insights from the Hillsborough Stadium disaster in the United Kingdom**

Daniel du Plessis (Greater Manchester Neurosciences Centre and Alder Hey Children's Hospital)

**S27-5 SUDEP as a cause of sudden death**

Maria Thom (Department of Neuropathology, Institute of Neurology, University College London)

Room 3 (Hana D, 4F)

15:40-16:20

**Oral 16****Alzheimer's disease****Chairs:** Masahito Yamada (Kanazawa University Graduate School of Medical Science)

Melissa E. Murray (Neuroscience Department, Mayo Clinic)

**O16-1 Insights from biochemical analyses of regional distribution of Alzheimer's pathologies**

Mitsuru Shinohara (National Center for Geriatrics and Gerontology / Mayo Clinic)

**O16-2 The presence of A $\beta$  toxic conformer in the inferior parietal cortex before A $\beta$  plaque formation and its dynamic localization in aging**

Yusuke Kageyama (Department of Pathology, The Johns Hopkins University School of Medicine / Molecular Neuroscience Research Center, Shiga University of Medical Science)

**O16-3 Sushi repeat-containing protein 1 co-accumulates with cerebrovascular Abeta deposits in cerebral amyloid angiopathy**

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

**O16-4 Sex and age interact to determine clinicopathologic differences in Alzheimer's disease**

Melissa E. Murray (Neuroscience Department, Mayo Clinic)

Room 3 (Hana D, 4F)

16:20-17:00

**Oral 18****Neuropathology Education****Chairs:** Thomas Rötzer (Institute of Neurology, Medical University of Vienna / Comprehensive Cancer Center, Medical University of Vienna)

Toshiki Uchihara (Neurology, Nitobe Memorial Nakano General Hospital)

**O18-1 Autopsy on home-cared patients with neurological disorders. Nitobe model to improve patient care, medical education and research**

Toshiki Uchihara (Neurology, Nitobe Memorial Nakano General Hospital)

**O18-2 Introducing the Digital Brain Tumor Atlas (DBTA), a freely available repository for brain tumor whole slide scans**

Thomas Roetzer (Institute of Neurology, Medical University of Vienna / Comprehensive Cancer Center, Medical University of Vienna)

**O18-3 Allied neurosurgical results World War I and II**

John Hedley-Whyte (Harvard University)

**O18-4 In order to keep neuropathology succession, teaching stuffs of neuropathology should deal with neuroanatomy, clinical clerkship, and clinical office for outpatients, as well as neuropathology**

Shinsuke Kato (Division of Neuropathology, Tottori University Faculty of Medicine)



Room 4 (Ohgi, 4F) 8:50-9:30

### Special Lecture 5

#### Future of Research and Practice of Pediatric Brain Tumors

Chair: Masao Matsutani (Gotanda Rehabilitation Hospital)

**SL5 The impact on diagnostic practice of current research into pediatric CNS tumors**

David W. Ellison (Department of Pathology, St. Jude Children's Research Hospital)

Room 4 (Ohgi, 4F) 9:30-9:55

### Minisymposium 1

#### cIMPACT-NOW

Chairs: Arie Perry (Department of Pathology, Division of Neuropathology, University of California, San Francisco (UCSF))

Shinya Tanaka (Department of Cancer Pathology, Hokkaido University Faculty of Medicine)

Junji Shibahara (Department of Pathology, Kyorin University Faculty of Medicine)

**MS1 cIMPACT-NOW: The Consortium to Inform Molecular and Practical Approaches to CNS Tumor Taxonomy**

Pieter Wesseling (Department of Pathology, Amsterdam University Medical Center / Department of Pathology, Princess Máxima Center for Pediatric Oncology / University Medical Center Utrecht)

Room 4 (Ohgi, 4F) 9:55-10:20

### Minisymposium 2 Sponsored by International Collaboration on Cancer Reporting (ICCR)

#### ICCR datasets for central nervous system

Chairs: Arie Perry (Department of Pathology, Division of Neuropathology, University of California, San Francisco (UCSF))

Shinya Tanaka (Department of Cancer Pathology, Hokkaido University Faculty of Medicine)

Junji Shibahara (Department of Pathology, Kyorin University Faculty of Medicine)

**MS2 ICCR Datasets as Tools to Standardize and Improve Reporting of Pathology Information on CNS Tumors**

Pieter Wesseling (Department of Pathology, Amsterdam University Medical Center / Department of Pathology, Princess Máxima Center for Pediatric Oncology / University Medical Center Utrecht)

Room 4 (Ohgi, 4F) 10:20-10:30

### Special comment

Chairs: Arie Perry (Department of Pathology, Division of Neuropathology, University of California, San Francisco (UCSF))

Shinya Tanaka (Department of Cancer Pathology, Hokkaido University Faculty of Medicine)

Junji Shibahara (Department of Pathology, Kyorin University Faculty of Medicine)

**Standardization of integrated diagnosis of brain tumors for general pathology in Japan**

Yukihiko Sonoda (The committee for molecular diagnosis, the Japan society of brain tumor pathology / Department of Neurosurgery, Faculty of Medicine, Yamagata University)

Room 4 (Ohgi, 4F)

10:30-11:50

**Symposium 25****Genetics and Biology of Glioma****Chairs:** David Capper (Department of Neuropathology, Charité-Universitätsmedizin Berlin)

Michael Buckland (Department of Neuropathology, Royal Prince Alfred Hospital &amp; Australia University of Sydney)

Yukihiko Sonoda (Department of neurosurgery, Faculty of Medicine, Yamagata University)

**S25-1 Rare brain tumor diagnosis: reassessment in the era of methylation profiling**

David Capper (Institute of Neuropathology, Charité-Universitätsmedizin Berlin / German Cancer Consortium (DKTK), Partner Site Berlin / German Cancer Research Center (DKFZ))

**S25-2 Exosomal miRNAs as blood-based biomarkers in glioblastoma**

Michael E Buckland (Department of Neuropathology, Royal Prince Alfred Hospital / Brain &amp; Mind Centre, University of Sydney)

**S25-3 Brain region specific molecular profile of cerebellar gliomas**

Masashi Nomura (Department of Neurosurgery, Graduate School of Medicine, The University of Tokyo / Genome Science Division, Research Center for Advanced Science and Technology, The University of Tokyo)

**S25-4 Identification of the therapeutic targets for brain tumor-related fusion genes using an animal model**

Tatsuya Ozawa (Division of Brain Tumor Translational Research, National Cancer Center Research Institute)

**S25-5 Clinical results of patients with lower grade gliomas in our institute and surgical strategy using intraoperative molecular diagnosis**

Masayuki Nitta (Department of Neurosurgery, Tokyo Women's Medical University / Faculty of Advanced Technology (FATS), Institute of Advanced Biomedical Engineering &amp; Science, Graduate School of Medicine, Tokyo Women's Medical University)

Room 4 (Ohgi, 4F)

12:00-13:00

**Luncheon Seminar 8**

Sponsored by Nihon Kohden Corporation

**Chair:** Keiji Kawamoto (Higashi Osaka Yamaji Hospital)**LS8 Clinical utility of intraoperative flow cytometry (iFC) in brain tumor resection**

Taiichi Saito (Department of Neurosurgery, Tokyo Women's Medical University)

Room 4 (Ohgi, 4F)

13:10-13:50

**BTP General Assembly**

Room 4 (Ohgi, 4F)

13:50-15:15

**Symposium 29****Pediatric-type Diffuse Gliomas****Chairs:** Chitra Sarkar (Department of Pathology, All India Institute of Medical Sciences (AIIMS), New Delhi)

Tarik Tihan (Department of Pathology, University of California, San Francisco (UCSF))

Jiro Akimoto (Department of Neurosurgery, Tokyo Medical University)

**S29-1 Pilocytic astrocytoma with anaplastic features**

Fausto J. Rodriguez (Division of Neuropathology, Johns Hopkins University School of Medicine)

**S29-2 Atypical teratoid/rhabdoid tumors arising from gliomas: Histopathological and genetic features of four cases**

Junko Hirato (Department of Pathology, Gunma University Hospital)

**S29-3 Diffuse midline gliomas H3 K27M-mutant: An update**

Chitra Sarkar (Department of Pathology, All India Institute of Medical Sciences (AIIMS), New Delhi)

**S29-4 Anaplastic Pleomorphic Xanthoastrocytoma**

Maysa A. Al-Hussaini (Department of Pathology and Laboratory Medicine, King Hussein Cancer Foundation, King Hussein Cancer Center)

Room 4 (Ohgi, 4F)

16:00-16:40

**Asian Diagnostic Slide Session 1**

**Chairs:** Anita Mahadevan (Department of Neuropathology, National Institute of Mental Health and Neurosciences (NIMHANS))

Yue-Shan Piao (Department of Pathology, Xuanwu Hospital, Capital Medical University)

**Commentator:** Hajime Miyata (Department of Neuropathology, Research Institute for Brain and Blood Vessels-Akita)

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Username and password are required for viewing the virtual slides.

**Case 1 A 31-year-old male with a seizure**

Se-Hoon Kim (Department of Pathology, Yonsei University College of Medicine, Severance Hospital)

**Case 2 9 year-old boy suffering rapidly developing multicystic hemorrhage**

Ryuta Saito (Department of Neurosurgery, Tohoku University Graduate School of Medicine)

Room 4 (Ohgi, 4F)

16:40-17:40

**Asian Diagnostic Slide Session 2**

**Chairs:** Takanori Hirose (Department of Pathology, Hyogo Cancer Center)

Se-Hoon Kim (Department of Pathology, Yonsei University)

**Commentator:** Kaishi Satomi (Department of Pathology and Clinical Laboratories, National Cancer Center Hospital)

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**Case 3 A 13-year-old female with diminution of vision in both the eyes and headache**

Kavneet Kaur (Department of Pathology, All India Institute of Medical Sciences (AIIMS), New Delhi)

**Case 4 A 38-year-old female with right parietal lobe mass lesion**

Yue-Shan Piao (Department of Neuropathology, Xuanwu Hospital, Capital Medical University)

**Case 5 A 7-year-old girl presenting gradually worsening of headache and nausea**

Jiro Akimoto (Department of Neurosurgery, Tokyo Medical University)

Room 4 (Ohgi, 4F)

17:40-18:20

**Asian Diagnostic Slide Session 3**

**Chairs:** Amanda Kan (Department of Pathology, Tuen Mun Hospital)

Makoto Shibuya (Department of Central Clinical Laboratory, Hachioji Medical Center, Tokyo Medical University)

**Commentator:** Kenta Masui (Department of Pathology 1, Tokyo Women's Medical University School of Medicine)

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Username and password are required for viewing the virtual slides.

**Case 6 A 38-year-old female of a tumor of the lateral ventricle**

Etsuko Hattori (Department of Neurosurgery, University of Kyoto)

**Case 7 A 27-years-old female patient of right temporal lobe tumor which recurred many times**

Junji Hosono (Department of Neurosurgery, Tokyo Women's Medical University)

## Poster Session 3

- P3-1 Photobiomodulation following Traumatic Brain Injury**  
Amir Oron (Department of Orthopedics, Kaplan Medical Center)
- P3-2 Oligodendroglioma, IDH-mutant and 1p/19q-codeleted with gangliocytic differentiation of a 31-year-old male: A case report and literature review**  
Yoon Jin Cha (Department of Pathology, Yonsei University College of Medicine, Gangnam Severance Hospital)
- P3-3 Histomorphological patterns of glioblastoma and its rare variant: a case series in the Indian subcontinent**  
Madhu Kumar (King George's Medical University)
- P3-4 Clinicopathologic features of an autopsied patient with epithelioid glioblastoma: experience of BRAF and MEK inhibitor treatment**  
Yu K (Departments of Pathology, Brain Research Institute, Niigata University / Departments of Neurosurgery, Brain Research Institute, Niigata University)
- P3-5 Features of IDH- and H3F3A-mutated cerebellar high-grade gliomas of Japanese cases**  
Nozomi Matsumura (Department of Human Pathology, Gunma University Graduate School of Medicine)
- P3-6 YAP/TAZ expression correlated with angiogenesis in astrocytoma**  
Ying Liu (Department of pathology, Basic Medical Science, Fudan University)
- P3-7 mTORC2 regulates hypomethylator phenotype in glioblastoma**  
Kenta Masui (Department of Pathology, Tokyo Women's Medical University)
- P3-8 Glioblastoma, subependymoma and meningioangiomas; collision of three morphologically and genetically different entities in one patient**  
Elizabeth Jean Cochran (Department of Pathology, Medical College of Wisconsin)
- P3-9 Gliosarcoma with arterial invasion. Report of two cases**  
Erick Gomez-Apo (General Hospital of Mexico)
- P3-10 Temozolomide and Notch inhibitor MRK-003 induce cell protective autophagy in malignant gliomas**  
Manabu Natsumeda (Department of Neurosurgery, Brain Research Institute, Niigata University / Department of Pathology, Brain Research Institute, Niigata University / Department of Pathology, Johns Hopkins University School of Medicine)
- P3-11 T-LAK cell-originating protein kinase (TOPK) in adult malignant glioma: Clinico-pathological and Immunohistochemical Study**  
Changshu Ke (Departments of Pathology, Tongji Hospital; Tongji Medical College, Huazhong University of Science and Technology)
- P3-12 Gliomas 1p/19q codeleted, p53 mutated and EGFR amplified. Are they mixed gliomas?**  
Naomi Arakaki (Department of neuropathology FLENI)
- P3-13 Do gemistocytic astrocytomas really exist? the longstanding debate about gemistocytes present in diffuse gliomas may be solved**  
Aline H. S. Camacho (Laboratorio De Neuropatologia E Genetica, Instituto Estadual Do Cerebro Paulo Niemeyer / Divisao De Anatomia Patologica, Instituto Nacional Do Cancer)
- P3-14 A case of epithelioid glioblastoma; unusual presentation of a rare tumour with full biomarker assessment**  
John P Provias (Department of Pathology & Molecular Medicine, McMaster University, Hamilton Health Sciences)
- P3-15 Adenocarcinoma arising in neurenteric cyst in the 4th ventricle mimicking choroid plexus carcinoma: A case report and literature review**  
Yoon Jin Cha (Department of Pathology, Yonsei University College of Medicine, Gangnam Severance Hospital)

- P3-16** **Detection of alk and egfr gene mutation in non-small cell lung adenocarcinoma with brain metastases and its correlation with clinicopathological features**  
Ying Liu (Department of Pathology, School of Basic Medical Science, Fudan University)
- P3-17** **Intramedullary spinal cord angioliopoma**  
Arune Singhnaeh (Department of Pathology, Faculty of Medicine, Mahidol University)
- P3-18** **Diffuse leptomeningeal glioneuronal tumor exhibiting 1p/19q co-deletion and H3F3K27M mutation: A rare case with unique molecular profile**  
Kavneet Kaur (All India Institute of Medical Sciences (AIIMS), New Delhi)
- P3-19** **Expression of collagen VI, laminin, MMP9, anticollagenase, claudins 1 and 5, N and E cadherins in choroid plexus tumors**  
Martha Lilia Tena-Suck (Department of Neuropathology, National Institute of Neurology and Neurosurgery)
- P3-20** **A case of high-grade glioma simulating epithelioid glioblastoma**  
Katsushi Taomoto (Department of Neurosurgery, Ohnishi Medical Center)
- P3-21** **A poor prognostic case of pediatric glioblastoma with IDH1 mutation**  
Kanao Kawanami (Department of Neurosurgery, Faculty of Medicine, Yamagata University)
- P3-22** **An elderly case of anaplastic pleomorphic xanthoastrocytoma**  
Nobuko Ujihira (Department of Pathology, Toyota Kosei Hospital)
- P3-23** **Mitogen-activated protein kinase in gliosis and pilocytic astrocytoma**  
Hiroaki Takeuchi (Department of Neurosurgery, Tan-nan Regional Medical Center)
- P3-24** **Efficacy of ICE plus Bevacizumab Therapy for Temozolomide-Resistant Anaplastic Astroblastoma: Case Report**  
Kiyotaka Saito (Department of Neurosurgery, Division of Clinical Neuroscience, Faculty of Medicine, University of Miyazaki)
- P3-25** **A case of radiation-induced sarcomas 10 years after radiation therapy against glioblastoma**  
Takeo Uzuka (Department of Neurosurgery, Dokkyo Medical University)
- P3-26** **Anti-tumor effects of metformin against malignant glioma**  
Satoshi Suzuki (Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University)
- P3-27** **Heterogeneous clinico-pathological features of diffuse midline glioma H3-K27M mutant**  
Yuma Okamura (Department of Neurosurgery, Kyorin University Faculty of Medicine)
- P3-28** **An autopsy case of diffuse midline glioma around the foramen of Monro**  
Masako Ikemura (Promotion office of CPC Education and General Integrative Medicine, University of Tokyo / Department of Pathology, University of Tokyo)
- P3-29** **Imaging and immunohistochemical characteristics of H3 G34R-mutant gliomas -a report of three cases-**  
Shumpei Onishi (Department of Neurosurgery, Graduate School of Biomedical and Health Sciences, Hiroshima University / Department of Neurosurgery, Higashihiroshima Medical Center)
- P3-30** **Histopathological analysis of the new mouse glioma model which shows perineural invasion**  
Masafumi Miyai (Department of Neurosurgery, Gifu University Graduate School of Medicine / Department of Tumor Pathology Gifu University Graduate School of Medicine)
- P3-31** **A case of anaplastic astrocytoma with appearance of IDH-mutant astrocytic cells at recurrence**  
Noriaki Sakamoto (Department of Neurosurgery, Faculty of medicine, University of Tsukuba / Department of Diagnostic pathology, Faculty of medicine, University of Tsukuba)
- P3-32** **Cerebellar radiation-induced glioma after complete remission of pineal tumor**  
Tomohiro Kawano (Department of Neurosurgery, Wada Hospital)
- P3-33** **Consideration of integrated diagnosis of gliomas**  
Kaoru Ogawa (Department of Anatomic Pathology, Hirosaki University Graduate School of Medicine)

- P3-34 A case of malignant transformation of NF1-associated spinal astrocytoma**  
Sayaka Yuzawa (Department of Diagnostic Pathology, Asahikawa Medical University)
- P3-35 A case of primary diffuse leptomeningeal gliomatosis with multi-nodular lesions**  
Koichi Mitsuya (Division of Neurosurgery, Shizuoka Cancer Center)
- P3-36 A case of diffuse leptomeningeal glioneuronal tumor**  
Shoh Sasaki (Department of Pathology, Nara Prefecture General Medical Center / Department of Pathology, Nara Medical University Hospital)
- P3-37 Glioblastoma suspected association with Lynch syndrome**  
Yukitomo Ishi (Department of Neurosurgery, Tomakomai City Hospital / Department of Neurosurgery, Hokkaido University School of Medicine)
- P3-38 An operative case of brain stem glioma with IDH1 mutation**  
Kenichiro Matsuda (Department of Neurosurgery, Yamagata University, Faculty of Medicine)
- P3-39 The anti-tumor effects of COX-2 inhibitor against malignant astrocytic tumor cells *in vitro* and *in vivo***  
Kosuke Katayama (Department of Neurosurgery, Hirosaki University Graduate School of Medicine)
- P3-40 Stratification of IDH wild-type WHO grade II / III gliomas by molecular marker**  
Kiyonori Kuwahara (Department of Neurosurgery, Fujita Health University / Department of Neurosurgery, Fujieda Heisei Memorial Hospital)
- P3-41 Three cases of unclassified low-grade gliomas with presence of numerous CD34-positive cells**  
Naomi Oka (Department of Pathology and Laboratory Medicine, NHO Sendai Medical Center)
- P3-42 Adult gliomas concurrently harboring 1p/19q codeletion and TP53 mutation: molecular analysis of two cases**  
Hideyuki Arita (Department of Neurosurgery, Osaka University Graduate School of Medicine / Kansai Molecular Diagnosis Network for Central Nervous System Tumors)
- P3-43 A case of adult supratentorial anaplastic pilocytic astrocytoma**  
Naoya Yoshimoto (Department of Neurosurgery, Kitano Hospital, The Tazuke Kofukai Medical Research Institute)
- P3-44 Two cases of pilocytic astrocytomas with challenging diagnosis**  
Makoto Ideguchi (The Department of Neurosurgery, Ube-Kohsan Central Hospital)
- P3-45 Three case reports of radiation-induced glioblastoma after complete remission of acute lymphoblastic leukemia**  
Masayuki Kanamori (Department of Neurosurgery, Tohoku University Graduate School of Medicine)
- P3-46 A cerebellopontine angle tumor mimicking an extra-axial mass**  
Mitsuru Tamura (Department of Neurosurgery, Division of Clinical Neuroscience, Faculty of Medicine, University of Miyazaki)
- P3-47 A case of extraventricular subependymal giant cell astrocytoma in an infant**  
Nobushige Tsuboi (Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences)
- P3-48 A case of astroblastoma**  
Yu Kawanishi (Department of Neurosurgery, Aki General Hospital)
- P3-49 A case of anaplastic astroblastoma in the elderly**  
Naohisa Miyagi (Department of Neurosurgery, Kurume University School of Medicine)
- P3-50 Sellar ependymoma with sinus invasion: the ninth case report and review of literature**  
Diana Pasov (Bagdasar-Arseni Clinical Emergency Hospital, Department of Pathology)
- P3-51 Anaplastic ependymoma with ganglioneuronal differentiation**  
Soichiro Fushimi (Department of Pathology, Himeji Red Cross Hospital)



- P3-52 Upregulation of Programmed Cell Death Ligand 1 (PDL1) expression in RELA fusion positive ependymomas suggests a role for immunotherapy in these aggressive tumors**  
 Mehar Chand Sharma (Department of Pathology, All India Institute of Medical Sciences (AIIMS), New Delhi)
- P3-53 Improved risk-stratification for posterior fossa ependymoma of childhood considering clinical, histological and genetic features**  
 Torsten Pietsch (Institute of Neuropathology, University of Bonn / DGNN Brain Tumor Reference Center)
- P3-54 CNS high-grade neuroepithelial tumor with BCOR internal tandem duplication: a histopathological and molecular genetic analyses of six cases**  
 Yuka Yoshida (Department of Human Pathology, Gunma University Graduate School of Medicine)
- P3-55 Integrated histo-radio and molecular study of high-grade gliomas in teenagers**  
 Pascale Varlet (Department of Neuropathology, Sainte-Anne Hospital)
- P3-56 H3K9 methyltransferase inhibitor BIX01294 inhibits tumorigenicity in diffuse intrinsic pontine glioma and glioblastoma**  
 Hiroaki Miyahara (Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University / Department of Pathology, Division of Neuropathology, Johns Hopkins University School of Medicine)
- P3-57 Molecular neuropathological classification of pediatric diffuse gliomas WHO-grade II -Annotation to biologically different disease entities**  
 Torsten Pietsch (Institute of Neuropathology, University of Bonn / DGNN Brain Tumor Reference Center)
- P3-58 Giant cell glioblastoma in a 7-year-old Japanese girl: a case report**  
 Hirohito Yano (Department of Neurosurgery, Gifu University Graduate School of Medicine)
- P3-59 A novel case of recurrent intraventricular atypical central neurocytoma with prominent gangliogliomatous differentiation in a 10 year-old boy with 10 years of follow-up**  
 Roger E McLendon (Duke University Medical Center)
- P3-60 Central neurocytoma of the third ventricle in Indian subcontinent - a rare case report**  
 Madhu Kumar (Pathology department, King George's Medical University)
- P3-61 Disseminated atypical extraventricular neurocytoma without mitosis or necrosis**  
 Yasushi Shibata (Department of Neurosurgery, Mito Medical Center, University of Tsukuba)
- P3-62 Molecular and histologic characterization of 40 cases of dysembryoplastic neuroepithelial tumors: a multi-institutional study from the United States of America and Italy**  
 Mariarita Santi (Department of Pathology and Laboratory Medicine, Childrens Hospital of Philadelphia)
- P3-63 Epigenetic, genomic, histopathological and imaging integrative work on pediatric dysembryoplastic neuroepithelial tumors**  
 Melanie Pages (Department of Neuropathology, Sainte-Anne Hospital / Paris V Descartes University / Department of Cancer Biology, Dana-Farber Cancer Institute)
- P3-64 A clinicopathological study of desmoplastic infantile gangliogliomas with analysis of BRAF and H3F3A gene alterations**  
 Aruna Nambirajan (Department of Pathology, All India Institute of Medical Sciences (AIIMS), New Delhi)
- P3-65 Chordoid glioma: a case at an uncommon location**  
 Amanda Kan (Department of Pathology, Tuen Mun Hospital)
- P3-66 MYB-QKI rearrangement in Angiocentric glioma: a study in Chinese population**  
 Yong-Juan Fu (Department of Pathology, XuanWu Hospital, Capital Medical University)
- P3-67 Rosette-Forming Glioneuronal Tumors: A Small Case Series**  
 Nelli S Lakis (Department of Pathology, University of Kansas Medical Center)
- P3-68 A case of rosette-forming glioneuronal tumor with an increased MIB-1 labeling index and mitotic figures in glial component**  
 Naoe Jimbo (Department of Diagnostic pathology, Kobe University Graduate School of Medicine)

- P3-69 A case of spinal rosette-forming glioneuronal tumor**  
Mishie Tanino (The Department of Surgical Pathology, Asahikawa Medical University)
- P3-70 A glioneuronal tumor with intermediate feature between rosette-forming glioneuronal tumor (RGNT) and pilocytic astrocytoma (PA) harboring FGFR1 mutation: consideration of "RGNT-PA sequence"**  
Seiji Yamada (Department of Diagnostic Pathology, Fujita Health University)
- P3-71 Clinical and molecular features of two cases of rosette-forming glioneuronal tumor at midbrain**  
Ichiyo Shibahara (Department of Neurosurgery, Kitasato University School of Medicine)
- P3-72 A case of atypical central neurocytoma with Rosettes and relatively rapid growth**  
Naokazu Hayashi (The department of Neurosurgery, Tokai University school of Medicine)
- P3-73 Growing papillary glioneuronal tumor (PGNT) with solid components: A case report**  
Kazuma Shinno (Department of Neurosurgery, Kyoto University Graduate School of Medicine)
- P3-74 High-grade glioneuronal tumor with NTRK fusion: a case report**  
Kazuhiko Kurozumi (Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)
- P3-75 Lymphocytic Hypophysitis with hypertrophic intracranial pachymeningitis: a case report**  
Katsuhide Tai (Department of Neurosurgery, Faculty of Medical Sciences, University of Fukui)
- P3-76 A case of WHO grade I meningioma metastasized to the lung 26 years after initial surgery**  
Toshiyuki Enomoto (Department of Pathology, Faculty of medicine Fukuoka University / Department of Neurosurgery, Faculty of medicine Fukuoka University)
- P3-77 The case of lymphoplasmacyte-rich meningioma invaded to sigmoid sinus**  
Masatomo Doi (Department of Pathology, St. Marianna University School of Medicine)
- P3-78 Diagnosis changed from Angiomatous meningioma to solitary fibrous tumor / hemangiopericytoma by molecular analysis**  
Yukiko Nakahara (Department of Neurosurgery, Faculty of Medicine, Saga University)
- P3-79 Intracranial fibrosarcoma with somatic mutations in *NF2* and *ATRX***  
Takahide Nejo (Department of Neurosurgery, The University of Tokyo)
- P3-80 A rare case of craniopharyngioma with malignant transformation**  
Naoe Jimbo (Department of Diagnostic Pathology, Kobe University Graduate School of Medicine)
- P3-81 A case of methotrexate associated lymphoproliferative disorders**  
Kenichi Sato (Department of neurosurgery, Brain tumor center, Nakamura Memorial Hospital)
- P3-82 A case of primary central nervous system T-cell lymphoma seems to be caused by long-term administration of adalimumab**  
Yutaka Fuchinoue (Department of Neurosurgery (Omori), School of Medicine, Faculty of Medicine, Toho University)
- P3-83 A case of central nervous system methotrexate-associated lymphoproliferative disorders (MTX-LPD)**  
Yuuki Ishida (Department of neurosurgery, Brain tumor center, Nakamura Memorial Hospital)
- P3-84 Lymphomatoid granulomatosis of the brain: A case report**  
Kazuhiro Tanaka (Department of Neurosurgery, Kobe University Graduate School of Medicine)
- P3-85 Reappraisal of multiple cerebral lesions characterized by dense T cell infiltration in patient with DLBCL in past history and PTCL-NOS developing two years later**  
Kenji Sano (Department of Pathology, Iida Municipal Hospital)
- P3-86 A case of cauda equina primary extramedullary plasmacytoma**  
Yoshitaka Oda (Department of Cancer Pathology, Hokkaido University Graduate School of Medicine)



- P3-87 Case report: Low-grade primary central nervous system lymphoma suspected by biopsy**  
Shuhei Kubota (The Department of Neurosurgery, University of Toho)
- P3-88 Intracranial methotrexate-associated lymphoproliferative disorder in a rheumatoid arthritis patient treated with methotrexate: a case report**  
Ryosuke Matsuda (Department of Neurosurgery, Nara Medical University)
- P3-89 A case of primary central nervous system lymphomatoid granulomatosis ameliorated completely after treatment of corticosteroids**  
Takayuki Nakao (Department of Neurosurgery Kindai University School of Medicine)
- P3-90 Autopsy case report of intravascular large B-cell lymphoma with nephrotic syndrome**  
Ayako Yamazaki (Clinical Department of Pathology, Gunma University Hospital)
- P3-91 A case of probably CNS infiltration developing in a patient with IgM MGUS**  
Hisaharu Gotou (Department of Neurosurgery, Yamaguchi University School of Medicine)
- P3-92 A case of subdural mass lesion with chronic myeloid leukemia**  
Yoshihiro Kushihara (Department of Neurosurgery, Tokyo Metropolitan Komagome Hospital)
- P3-93 A case of progressive multifocal leukoencephalopathy with severe inflammation which differential diagnosis with brain tumor is difficult**  
Shinjiro Fukami (The Department of Neurosurgery, Tokyo Medical University)
- P3-94 A case of giant mature teratoma in third ventricle**  
Masataka Mikai (Department of Neurosurgery (Omori), School of Medicine, Faculty of Medicine, Toho University)
- P3-95 Supratentorial purely cortical anaplastic ependymoma -A case report-**  
Jun Nishiyama (The Department of Neurosurgery, Tokai University School of Medicine)
- P3-96 Juvenile xanthogranuloma mimicking brain stem tumor in an infant: A case report and a review of literatures**  
Yoshinori Kodama (Department of Pathology and Applied Neurobiology, Kyoto Prefectural University of Medicine)
- P3-97 Germinoma recurrence outside the previous radiation field 15 years after complete remission**  
Tomoo Matsutani (Department of Neurological Surgery, Chiba University Graduate School of Medicine)
- P3-98 A case of medulloepithelioma in the posterior cranial fossa**  
Akihiro Inoue (Department of Neurosurgery, Ehime University School of Medicine)
- P3-99 Primary intracranial peripheral PNET case report**  
Wendong Lyu (Neurosurgery, Tokyo Women's Medical University)
- P3-100 Recurrence of biphenotypic sinonasal sarcoma with cerebral hemorrhaging: A case report with an 11-year follow-up**  
Hirotaka Fudaba (Department of Neurosurgery, Oita University Faculty of Medicine)
- P3-101 Preservation of staining property STAT6 immunostaining in solitary fibrous tumor/ haemangiopericytoma with preoperative embolization**  
Hadzki Matsuda (Department of Neurologic Surgery, Dokkyo Medical University)
- P3-102  $\delta$ -catenin modulates bevacizumab-induced glioma invasion**  
Toshihiko Shimizu (Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences)
- P3-103 A case of radionecrosis, 2 years after radiation therapy**  
Kosuke Katayama (Department of Neurosurgery, Hirosaki University Graduate School of Medicine)
- P3-104 A case of primary intracranial rhabdomyosarcoma**  
Maki Sakaguchi (Department of Neurosurgery, Kanazawa University Hospital / Department of Diagnostic Pathology, Kanazawa University)

- P3-105 A case of mucinous carcinoma considered malignant transformation from intracranial germ cell tumor**  
Yoji Yamaguchi (Department of Neurosurgery Yodogawa Christian Hospital)
- P3-106 A case of front-temporal suprasellar papillary glioneuronal tumor**  
Akira Tamase (Department of Neurosurgery, Kanazawa Medical University)
- P3-107 A Case of Solitary Fibrous Tumor of NAB2 Exon 6-STAT6 Exon 17**  
Kodai Matsuda (Department of Neurosurgery, Fukuoka City Hospital)
- P3-108 Usefulness of PCR direct sequence on definitive diagnosis for chondrosarcoma : -two case reports-**  
Taichi Shimabukuro (The Department of Neurosurgery, Ube-Kohsan Central Hospital)
- P3-109 A Case of intraventricular giant cell glioblastoma**  
Tomoko Omura (Department of Neurosurgery, Chiba Hokusyo Hospital Nippon Medical School)
- P3-110 A case of pontine glioma occurring 14 years after chemoradiotherapy of NGGCT**  
Takayuki Yasuda (Department of Neurosurgery, University of Kyoto / Department of Neurosurgery, Tokyo Women's Medical University)
- P3-111 A case of gliofibroma in adults who underwent oncogene panel test**  
Shunsaku Takayanagi (Department of Neurosurgery, University of Tokyo)
- P3-112 Epithelioid hemangioendothelioma that metastasizes to the temporal lobe and cerebellum**  
Yasuzumi Matsui (The Department of Neurosurgery, University of Kyoto)
- P3-113 A case of hemangioblastoma with disseminating recurrence**  
Yasuhide Makino (The Department of Neurosurgery, Kyoto University)
- P3-114 An elderly patient with massive dissemination diagnosed with pineal parenchymal tumor of intermediate differentiation (PPTID):  
An autopsy case**  
Kazuhiro Miyasaka (Department of Neurosurgery, Kitasato University School of Medicine)
- P3-115 Papillary tumor of the pineal region: Two cases report and review of the literature**  
Yuji Uematsu (School of Health and Nursing Science, Wakayama Medical University / Department of Diagnostic Pathology, Wakayama Medical University Hospital)
- P3-116 A case of 16 years old, right cerebellar tumor consisting of monotonous proliferating undifferentiated small cells**  
Takuma Oishi (Division of Pathology, Shizuoka Cancer Center)
- P3-117 A case of acromegaly in which a growth hormone producing pituitary adenoma recurred rapidly after administering pegvisomant**  
Kenichi Oyama (Department of Neurosurgery / Pituitary & Endoscopic Surgery Center, Teikyo University School of Medicine)
- P3-118 Invasive skull base aspergillosis in a patient with lactotroph adenoma**  
Yuya Nishiyama (Department of Neurosurgery, Fujita Health University)
- P3-119 A case of cavernous angioma of the optic chiasma**  
Kiyohide Kakuta (Department of Neurosurgery, Hirosaki University Graduate School of Medicine)
- P3-120 IgG4 related tumor-like or hypertrophic disease mimicking skull base meningiomas**  
Seiichiro Eguchi (Department of Neurosurgery, Tokyo Women's Medical University)
- P3-121 A case report of a mass lesion in the brain stem positive for anti-MOG antibodies**  
Kentarō Fujii (Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences)
- P3-122 A case report of granuloma arising from peri-third ventricle**  
Koji Kondo (Department of Neurosurgery, Kitasato University Medical Center)

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**P3-123 Extremely delayed metastasis to the brain originated once completely cured cervical cancer of uterus**

Akinori Inamura (The Department of Neurosurgery, Kitasato University)

**P3-124 Neuropathological change after radiotherapy for HPV-related multiphenotypic sinonasal carcinoma**

Naoto Kuroda (Department of Neurosurgery, Seirei Mikatahara General Hospital / Department of Neurosurgery, Seirei Hamamatsu General Hospital)

Related Meetings (Asahi, 47F)

14:00-15:30

**Brain Pathology Editorial Board Meeting**

Related Meetings (Asahi, 47F)

15:30-17:00

**ISN Council Meeting**

Concord Ball Room, 5F

19:00-21:00

**Banquet**