

15:35-17:50 Pre-Conference

ASNO2026 Neuro-Oncology Education Seminar Part2

Chairpersons: **Yoshiko Okita** (Department of Neurosurgery, University of Miyazaki)

Julette Marie Feliciano Batara (Neurology, University of the Philippines Philippine General Hospital)

Co-Sponsored by: Brainlab K.K.

APA1-2-1 Management strategy for NF2-related schwannomatosis

Ryota Tamura

Department of Neurosurgery, Keio University School of Medicine

APA1-2-2 Molecularly targeted therapy for primary brain tumors

Catherine Hye-Won Han

Department of Medical Oncology, Auckland City Hospital

APA1-2-3 Technological Advances and Evolving Clinical Evidence in Stereotactic Radiation for Brain Metastases

Hidefumi Aoyama

Department of Radiation Oncology, Hokkaido University

APA1-2-4 Current Landscape and Future Perspectives of Gene and Viral Therapies for Glioblastoma

Yoshihiro Otani

Department of Neurological Surgery, Okayama University

APA1-2-5 Detection of circulating tumor DNA from cerebrospinal fluid for the diagnosis of brain tumors

Manabu Natsumeda

Department of Neurosurgery, Brain Research Institute, Niigata University / Department of Brain Tumor Biology, Brain Research Institute, Niigata University

APA1-2-6 Fiber network and Awake surgery

Masashi Kinoshita

Department of Neurosurgery, Kanazawa University

APA1-2-7 Cognitive function and neuroplasticity in glioma

Riho Nakajima

Department of Occupational therapy, Faculty of Health Science, Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University

June 12

Room 2

8:30-8:50 Special Lecture 1

Past, Present, and Future of ASNO

Chairpersons: **Yong-Kil Hong** (Department of Neurosurgery, Hallym University Sacred Heart Hospital)

Masao Matsutani (Department of Rehabilitation, Harajuku Rehabilitation Hospital)

ASL1 Hideyuki Saya

Oncology Innovation Center, Fujita Health University

8:50-9:10 Special Lecture 2

Presidential Lecture of ASNO

Chairperson: **Zhong-ping Chen** (Department of Neurosurgery/Neuro-oncology, Sun Yat-sen University Cancer Center)

ASL2 Rakesh Jalali
Neuro Oncology Cancer Management Team, Apollo Proton Cancer Centre, Chennai, India

9:10-9:40 Special Lecture 1 [JBTP2026 · ASNO2026 Joint Program]

The role of cIMPACT-NOW on CNS tumor classification, past present and future

Moderators: **Mishie Tanino** (Department of Diagnostic Pathology, Asahikawa Medical University Hospital)
Mitsutoshi Nakada (Department of Neurosurgery, Kanazawa University)

SL1 Kenneth D Aldape
Division of Laboratory Genetics and Genomics, Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, Minnesota

9:50-10:50 Symposium 1

ASNO2026 Top Scoring Abstracts Symposium

Chairpersons: **Toshihiro Kumabe** (Department of Neurosurgery, Kitasato University School of Medicine)
Seok-Gu Kang (Department of Neurosurgery, Severance Hospital, Yonsei University College of Medicine)

ASY1-1 AI-Augmented Confocal Laser Endomicroscopy for Rapid Intraoperative Diagnosis of Brain Tumors

Yoon Hwan Byun
Department of Neurosurgery, SMG-SNU Boramae Medical Center

ASY1-2 Virtual Reality Simulation Platform for Objective Neurosurgical Skill Assessment

Eun Mi Jang
Department of Neurosurgery, Seoul National University Bundang Hospital

ASY1-3 CSF-Derived cfDNA Accurately Captures the Genomic Landscape of Primary CNS Lymphoma

Kosuke Aoki
Department of Neurosurgery, Nagoya University

ASY1-4 Fibroblast reprogramming and immune evasion define the brain metastases tumor niche

Sanskriti Dey
Ph.D. Program in Medical Neuroscience, College of Medical Science and Technology, Taipei Medical University, Taiwan

10:55-11:25 Special Lecture 3

Multi-omics and single cell genomics to inform classification and therapy of brain tumors

Chairperson: **Ryuta Saito** (Department of Neurosurgery, Nagoya University Graduate School of Medicine)

ASL3 Antonio Iavarone
Department of Neurological Surgery, Sylvester Comprehensive Cancer Center, University of Miami

11:25-11:45 Special Lecture 4

Clinical trials of vorasidenib in mIDH1/2 glioma: INDIGO outcomes and IDHEAL-4U methodology

Chairperson: **Catherine Hye-won Han** (Department of Medical Oncology, Auckland City Hospital)

ASL4 **Patrick Y. Wen**
Professor of Neurology, Harvard Medical School

11:50-12:20 Special Lecture 2 [JBTP2026 · ASNO2026 Joint Program]

From Immunopharmacogenomics to Immunotherapy

Moderators: **Yukihiko Sonoda** (Department of Neurosurgery, Yamagata University)
Tejpal Gupta (Department of Radiation Oncology, ACTREC, Tata Memorial Centre Homi Bhabha National Institute (HBNI) Mumbai)

SL2 **Yusuke Nakamura**
National Institutes of Biomedical Innovation, Health and Nutrition (NIBN)

12:30-13:30 Luncheon Seminar 1

Is there progress in the management of glioma - a (self-)critical review ?

Chairperson: **Koji Yoshimoto** (Department of Neurosurgery, Graduate School of Medical Sciences, Kyushu University)

ALS1 **Roger Stupp**
Neuro-oncology, Northwestern University Feinberg School of Medicine

Co-Sponsored by: **Novocure K.K.**

13:35-14:50 Symposium 2

Metastatic Brain Tumor

Chairpersons: **Emilie Le Rhun** (Department of Medical Oncology and Hematology, University Hospital Zurich)
Yoshitaka Narita (Department of Neurosurgery and Neuro-Oncology, National Cancer Center Hospital)
Rini Andriani (Department of Neuroscience, National Cancer Center of Indonesia, Dharmais Hospital)

ASY2-1 **Microglial induction of cancer cell death and the underlying regulatory mechanisms [Keynote Lecture]**

Eishu Hirata
Division of Tumor Cell Biology and Bioimaging, Cancer Research Institute of Kanazawa University

ASY2-2 **Intrathecal PD1 Antibody Plus WBRT Improves Survival in Melanoma Leptomeningeal Metastases**

Junjie Zhen
Department of Oncology, Guangdong Sanjiu Brain Hospital

ASY2-3 **HER2 heterogeneity between primary cancers and brain metastases in 185 matched pairs**

Kyung-Hwa Lee
Department of Pathology, Chonnam National University Hwasun Hospital

ASY2-4 **Interim Results of a Phase II Trial of Intraventricular Pemetrexed Plus Nivolumab in Lung Cancer LM**

Changshuai Zhou
Department of Neurosurgery, Fudan University, Shanghai Cancer Center

ASY2-5 **Brain leptomeningeal metastasis from gastric cancer and its clinical impact on survival**

Eui Hyun Kim
Department of Neurosurgery, Yonsei University

14:55-15:25 International Clinicopathological Conference 1 [JBTP2026 · ASNO2026 Joint Program]**International Clinicopathological Conference Case 1**

Moderators: **Hidehiro Oka** (Department of Neurosurgery, Kitasato University Medical Center)
Akira Kurose (Department of Anatomic Pathology, Hirosaki University Graduate School of Medicine)
 Discussant: **Seiji Yamada** (Oncology Innovation Center, Fujita Health University)

ICPC1 Laveniya Satgunaseelan
 Department of Neuropathology, Royal Prince Alfred Hospital / Faculty of Medicine and Health, University of Sydney, Australia

15:30-16:00 International Clinicopathological Conference 2 [JBTP2026 · ASNO2026 Joint Program]**Case demonstration a spinal tumor**

Moderators: **Eiichi Ishikawa** (Department of Neurosurgery, University of Tsukuba)
Takashi Komori (Department of Laboratory Medicine and Pathology, TMG Asaka Medical Center/ Tokyo Women's Medical University)
 Discussant: **Asuka Araki** (Department of Pathology, Yamaguchi University, Graduate School of Medicine)

ICPC2 Suvendu Purkait
 Additional Professor, Department of Pathology & Laboratory Medicine, All India Institute of Medical Sciences, Bhubaneswar, India

16:05-16:35 International Clinicopathological Conference 3 [JBTP2026 · ASNO2026 Joint Program]**Histologically unclassifiable cerebellar tumor with epithelial morphology**

Moderators: **Yoshihiro Muragaki** (Department of Medical Device Engineering, Kobe University)
Yukiko Shishido-Hara (Department of Diagnostic Pathology, Kindai University Hospital)
 Discussant: **Laveniya Satgunaseelan** (Department of Neuropathology, Royal Prince Alfred Hospital)

ICPC3 Sumihito Nobusawa
 Department of Human Pathology, Gunma University Graduate School of Medicine

Room 3**14:35-16:20 Symposium 3****Radiation Therapy**

Chairpersons: **Hidefumi Aoyama** (Department of Radiation Oncology, Hokkaido University)
Pankaj Kumar Panda (Department of Radiation Oncology/Clinical Research, Apollo Proton Cancer Centre)
Sung Soo Ahn (Department of Radiology, Yonsei University College of Medicine)

ASY3-1 Efficacy and Potential of Accelerator-Based BNCT for IDH Wild-Type Recurrent Glioblastoma [Keynote Lecture]

Shinji Kawabata
 Neurosurgery and Neuroendovascular Therapy, Osaka Medical and Pharmaceutical University / BNCT Advancement in Neuro-Oncology, Osaka Medical and Pharmaceutical University

ASY3-2 Outcomes of Craniospinal Irradiation with Modern Intensity Modulated Proton Therapy-APCC Experience

Vineeth Kumar S
 Department of Radiation oncology, Apollo Proton Cancer Centre, Chennai, Tamil Nādu, India

ASY3-3 Three-Fraction Gamma Knife Radiosurgery for Vestibular Schwannoma

Suhmi Chung
 Department of Neurosurgery, Asan Medical Center

ASY3-4 Long-term outcomes of modern proton therapy in CNS germ cell tumours: APCC experience

Kaviya Lakshmi

Department of Radiation oncology, Apollo Proton Cancer Centre, Chennai, Tamil Nadu, India

ASY3-5 Re-irradiation Plus Chemotherapy Improves Survival in Recurrent Medulloblastoma: Retrospective study

Min Ting Ye

Department of Oncology, Guangdong Sanjiu Brain Hospital

ASY3-6 Molecular tools to stratify CNS WHO grade 2 meningiomas for adjuvant radiotherapy in New Zealand

Fouzia Ziad

Department of Anatomical Pathology, Health New Zealand, Waikato

ASY3-7 Prospective Evaluation of Quality of Life with Chlorophyllin in Brain Radionecrosis

Prachi Wasudeo Adole

Neuro-Oncology Disease Management group, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai

Exhibition & Poster Venue

14:30-15:10 Poster presentation 1

Basic Research: Glioma 1

Chairperson: **Akihiro Inoue** (Department of Neurosurgery, Ehime University)

AP1-1 RTN4R-203 suppresses proneural to mesenchymal transition via ECM remodeling in glioblastoma

Kiyotaka Saito

Department of Neurosurgery, Division of Clinical Neuroscience, Faculty of Medicine, University of Miyazaki / Lab of Molecular Neuro-Oncology, Neurosurgery Department and Heersink School of Medicine, University of Alabama at Birmingham

AP1-2 CPT1C Overexpression Promotes Glioblastoma Aggressiveness and Represents a Metabolic Vulnerability

Suwendu Purkait

Department of Pathology, All India Institute of Medical Sciences, Bhubaneswar

AP1-3 Metabolic vulnerabilities of gliomas defined by IDH mutation status

Shigeo Ohba

Department of Neurosurgery, Fujita Health University

AP1-4 Impact of Resection to Culture Time on Patient-Derived Glioblastoma Stem Cells

Kyung Mi Nam

Department of Neurosurgery, Seoul National University Bundang Hospital

AP1-5 Diversity and Interactions of Endothelial Cells and Macrophages in the Tumor Microenvironment

Shio Kinami

Department of Neurosurgery, Kanazawa university

14:30-15:10 Poster presentation 2

Basic Research: Glioma 2

Chairperson: **Kensuke Tateishi** (Department of Neurosurgery, Yokohama City University, Yokohama, Japan)

AP2-1 T-type calcium channels promote proliferation of glioma initiating cells

Toshiya Ichinose

Department of Neurosurgery, Kanazawa University, Graduate School of Medical Science

- AP2-2 ABCC3 Promotes Mesenchymal Transition in Glioblastoma via the LPI/GPR55/JNK/ADAM9 Axis**
Kuo Hao Ho
 Department of Biochemistry and Molecular Cell Biology, Taipei Medical University
- AP2-3 Antitumor and radiosensitizing effects of sulfoquinovosyl-acylpropanediol in glioblastoma**
Takayuki Nishiwaki
 Department of Neurosurgery, Gifu University
- AP2-4 Parthenolide Targets the TAGLN2 Pathway to Restrain Mesenchymal Transition in Glioblastoma**
Ku-Chung Chen
 Department of Biochemistry and Molecular Cell Biology, Taipei Medical University / Department of Biochemistry and Molecular Cell Biology, Taipei Medical University
- AP2-5 Inhibition of FOSL1 reduces TMZ chemoresistance via IL-6/STAT3-mediated stemness reprogramming**
Kyoung Su Sung
 Department of Neurosurgery, Dong-A University Hospital, Dong-A University College of Medicine

14:30-15:18 Poster presentation 3

Clinical Research: Glioma 1

Chairperson: **Makoto Ohno** (Department of Neurosurgery and Neuro-Oncology, National Cancer Center Hospital)

- AP3-1 Redefining Glioma Histopathology: Survival-Driven Molecular Epidemiology in a LMIC**
Mohammad Hamza Bajwa
 Section of Neurosurgery and Center of Oncological Research in Surgery, The Aga Khan University, Karachi, Pakistan
- AP3-2 MMP2 MMP9 and TIMP1 Expression with Neoadjuvant Bevacizumab Response in Newly Diagnosed Glioblastoma**
Taketo Ezaki
 Department of Neurosurgery, Keio University School of Medicine / Department of Clinical Pharmacy, Keio University Faculty of Pharmacy
- AP3-3 PSMA PET Guided Reirradiation Planning in Recurrent High-Grade Glioma: A Observational Study**
Umesh Velu
 DEPARTMENT OF RADIATION ONCOLOGY, KASTURBA MEDICAL COLLEGE, MANIPAL, MANIPAL ACADEMY OF HIGHER EDUCATION(MAHE), MANIPAL
- AP3-4 Factors Associated With Early Discontinuation of Tumor Treating Fields Therapy in Adult Glioblastoma**
Kohei Suzuki
 Department of Neurosurgery, University of Occupational and Environmental Health
- AP3-5 Clinical, Molecular, Radiologic, and Surgical Predictors of Prognosis in IDH-mutant Astrocytoma**
Yae Won Park
 Department of Radiology, Yonsei University College of Medicine
- AP3-6 Survival improvement in glioblastoma over 20 years in Hong Kong**
Danny Tat Ming Chan
 Department of Neurosurgery, The Chinese University of Hong Kong

14:30-15:10 Poster presentation 4

Meningioma 1

Chairperson: **Yoshinori Higuchi** (Department of Neurological Surgery, Chiba University)

- AP4-1 Cervical Dumbbell Meningioma with Distinct Intradural and Extradural Histopathological Subtypes**
Chia-Yu Chen
Department of Neurosurgery, Kaohsiung Veterans General Hospital, Kaohsiung
- AP4-2 Surgical Selection and Associated Factors for Poor Outcomes in Elderly Patients with Meningioma**
Hiroyuki Ikeda
Department of Neurosurgery, Kyoto University
- AP4-3 Multiple Meningiomas as Under-recognized Clinical Entity - Case Series from a National Cancer Center**
Briliansy Briliansy
Department of Neurology, Universitas Mataram, Indonesia
- AP4-4 Genomic Analysis of Meningiomas Using Nationwide Genomic Registry Data in Japan**
Ryosuke Ikemachi
Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences
- AP4-5 Characteristics and Outcomes of Meningioma Patients after Preoperative Embolization**
Hanik Luthfiya Nurhayati
Department of Neurology, Diponegoro University

14:30-15:02 Poster presentation 5

Tumor Immunology 1

Chairperson: **Ryota Tamura** (Department of Neurosurgery, Keio University School of Medicine)

- AP5-1 AMX Boosts PD-1 Efficacy in GBM: MLV and TIME Mechanisms**
Mengyao He
Department of Neurosurgery, Tianjin Medical University General Hospital
- AP5-2 Comparative Analysis of CAR-Immune Cells Reveals CAR-T and CAR-NKT Synergy in Glioblastoma**
Ryusuke Hatae
Department of Neurosurgery, Kyushu University / Department of Neurological Surgery, University of California, San Francisco
- AP5-3 Differential Solubilization Whole-Tumor Nanovaccine Activates CD137+ T Cells for GBM Immunotherapy**
Guozheng Zhao
Neurosurgery & Brain and Nerve Research Laboratory, The First Affiliated Hospital of Soochow University
- AP5-4 CSF sCD163 reflects the glioma immune microenvironment and is associated with prognosis**
Shunsuke Yamanishi
Department of Neurosurgery, Kobe University Graduate School of Medicine
- AP5-5 Withdrawn**

14:30-15:18 Poster presentation 6**Neuroimaging / AI 1**

Chairperson: **Yoshiteru Shimoda** (Department of Neurosurgery, Graduate School of Medicine, Tohoku University)

- AP6-1 Imaging features of confirmed radiation-induced organizing hematomas in the post-treatment brain**
Jungyoun Kim
 Department of Radiology, CHA University Bundang Medical Center
- AP6-2 FLAIR-based Radiomic Texture Analysis Predicts Prognosis in Lower-Grade Glioma: A Validation Study**
Iori Ozono
 Department of Neurosurgery, Hiroshima University
- AP6-3 High-resolution magnetic resonance comparison of small Meckel cave meningiomas and schwannomas**
Chia-Hung Wu
 Department of Radiology, Taipei Veterans General Hospital
- AP6-4 Natural Progression of Glioma Enhances Cortical Functional Connection through Synaptogenesis**
Jiacheng Lai
 Department of Neurosurgery, Harbin Medical University Cancer Hospital
- AP6-5 The effect of tumor size on the T2-FLAIR mismatch sign's positive rate in IDH-mutant astrocytomas**
Fumiyuki Yamasaki
 Department of Neurosurgery, Hiroshima University Hospital
- AP6-6 Quantitative MRI markers facilitating differentiation of dysembryoplastic neuroepithelial tumor**
Kai-Wei Yu
 Department of Radiology, Taipei Veterans General Hospital

14:30-15:10 Poster presentation 7**Surgical management 1**

Chairperson: **Shinjiro Fukami** (Department of Neurosurgery, Tokyo Medical University)

- AP7-1 Doing more with Less - Evolution of Intraoperative Ultrasound in Neuro-Oncology**
Aliasgar Moiyadi
 Neurosurgical Oncology Services, Dept of Surgical Oncology, Tata Memorial Centre
- AP7-2 Intraoperative Visualization of Functional and Functionally Impaired Cortex in Glioma Surgery**
Yusuke Kobayashi
 Department of Neurosurgery, Showa Medical University School of Medicine
- AP7-3 Early Clinical Experience with the Stealth Autoguide System for Stereotactic Brain Biopsy**
Hye Seok Park
 Department of Neurosurgery, Seoul National University Hospital, Seoul National University College of Medicine
- AP7-4 Revisiting the role of surgery in butterfly glioblastoma**
Shigeki Takada
 Department of Neurosurgery, Kyoto University Graduate School of Medicine
- AP7-5 Innovative Practices on Intraoperative Guiding Devices for Intracranial Tumors**
Xuejun Yang
 Department of Neurosurgery, Beijing Tsinghua Changgung Hospital, Tsinghua University

14:30-15:10 Poster presentation 8

Clinical Research / PCNSL

Chairperson: **Manabu Natsumeda** (Department of Neurosurgery, Niigata University)

- AP8-1 The evolving role of focal radiotherapy in primary CNS lymphoma: a scoping review**
Sheikh Izzat Bin Zainal-Abidin Bahajjaj
Department of Radiation Oncology, National University Cancer Institute Singapore
- AP8-2 Intraoperative Flow Cytometry for Primary Central Nervous System Lymphoma: Efficacy and Limitations**
Hikaru Nakamura
Department of Neurosurgery, Nagasaki University Graduate School of Biomedical Sciences
- AP8-3 Ki-67 Index Proliferation and Survival Outcomes in Primary Central Nervous System Lymphoma**
Dwi Setia Ningrum
Department of Neurology, Makassar Central General Hospital
- AP8-4 A new scoring system based on pre-treatment clinical information to predict survival in PCNSL**
Ryosuke Matsuda
Department of Neurosurgery, Kansai Medical University / Department of Neurosurgery, Nara Medical University
- AP8-5 Outcomes of tirabrutinib in relapsed or refractory primary central nervous lymphoma**
Koji Shiomi
Department of Neurosurgery, Kyoto University Hospital

15:30-16:10 Poster presentation 9

Basic Research: Glioma 3

Chairperson: **Shigeo Ohba** (Department of Neurosurgery, Fujita Health University)

- AP9-1 CD146 Regulates Proliferation and Proneural-to-Mesenchymal Transition in Glioblastoma Stem Cells**
Shohei Fujita
Department of Neurosurgery, Kochi University School of Medicine
- AP9-2 Evaluation of Glycation Stress and Glyoxalase 1 Activity in Glioblastoma Cells**
Wataru Uchida
Department of Biochemistry and Molecular Vascular Biology, Kanazawa University / Department of Neurosurgery, Kanazawa University
- AP9-3 Investigating glioblastoma chemoresistance: meta-analysis of microRNA signatures and gene networks**
Mohammad Hamza Bajwa
Section of Neurosurgery and Center of Oncological Research in Surgery, The Aga Khan University, Karachi, Pakistan
- AP9-4 Effects of IDH Inhibition on Radiation Response and 2 Hydroxyglutarate in IDH-Mutant Glioma Cells**
Yosuke Kitagawa
Department of Neurosurgery, Massachusetts General Hospital, Harvard Medical School / Department of Neurosurgery, The University of Tokyo
- AP9-5 Withdrawn**
- AP9-6 miR-138 as a Driver of Glioma Stem Cells and a Biomarker of Recurrence in Glioblastoma**
Balamurugan Vellayappan
Department of Radiation Oncology, National University Cancer Institute Singapore, National University Hospital

15:30-16:18 Poster presentation 10

Basic Research: Glioma 4

Chairperson: **Yoshihiro Otani** (Department of Neurological surgery, Okayama University)

AP10-1 BCAP31 inhibition suppresses glioblastoma cell proliferation and invasion

Xiaowo Zhou

Department of Neurosurgery, Graduate School of Medical Science, Kanazawa University

AP10-2 VEGF and EGFR Expression in Wistar Rat Glioblastoma Cells Using Electro Capacitive Cancer Treatment

Djohan Ardiansyah

Department of Neurology, Faculty of Medicine University Airlangga/ Dr. Soetomo Hospital Surabaya East Java / Department of Neurosurgery, Faculty of Medicine University Airlangga/ Dr. Soetomo Hospital Surabaya East Java / Department of Anatomical Pathology, Faculty of Medicine University Airlangga/ Dr. Soetomo Hospital Surabaya East Java

AP10-3 Tumor-Targeted and BBB-Penetrating Nanoparticles for siRNA/mRNA Therapy in Malignant Glioma

Takeshi Hiu

Department of Neurosurgery, Graduate School of Biomedical Sciences, Nagasaki University

AP10-4 Near-infrared photoimmunotherapy targeting podoplanin for the treatment of glioblastoma

Manabu Natsumeda

Department of Neurosurgery, Brain Research Institute, Niigata University / Department of Brain Tumor Biology, Brain Research Institute, Niigata University

AP10-5 Targeting Aquaporin-4 for Glioblastoma Treatment

Yingchao Liu

Department of Neurosurgery, Shandong First Medical University

AP10-6 Targeting OLIG2 in Brain Cancer from Preclinical Discovery to First-In-Human Clinical Translation

Bryan Day

Sid Faithfull Brain Cancer Laboratory, QIMR Berghofer Medical Research Institute, Brisbane

15:30-16:10 Poster presentation 11

Clinical Research: Glioma 2

Chairperson: **Kazuya Motomura** (Division of Neurosurgery, Shizuoka Cancer Center)

AP11-1 Intraoperative Awake Anesthesia for Precise Resection of Functional Glioma

Jingyu Zou

Department of Neurosurgery, China Medical University

AP11-2 Supratotal Resection of Glioblastoma: Better Survival Outcome than Gross Total Resection

Jinmo Cho

Department of Neurosurgery, Serim Hospital

AP11-3 Clinical Significance of 5-Aminolevulinic Acid-Based Photodynamic Diagnosis in Glioma Surgery

Junkoh Yamamoto

Department of Neurosurgery, University of Occupational and Environmental Health

AP11-4 Newly malignant adult brainstem glioma treated with anlotinib plus radiotherapy

Yuanyuan Chen

Department of Radiation Oncology, Sun Yat-sen University

AP11-5 Usefulness and Limitations of Genomic Profiling Using FoundationOne CDx in Patients with Glioma

Hiroaki Takei

Department of Neurosurgery, Gifu University Graduate School of Medicine

15:30-16:02 Poster presentation 12

Meningioma 2

Chairperson: **Makoto Oishi** (Department of Neurosurgery, Niigata University)

AP12-1 Performance, Functional, and Cognitive Outcomes After Meningioma Treatment: A Cross-Sectional Study.

Rizka Aprillia Syahputri

Departement of Neurology, Sriwijaya University

AP12-2 Combined exoscopic eyebrow and endonasal endoscopic Surgery for Tuberculum Sellae Meningiomas

Shingo Tanaka

Department of Neurosurgery, Kanazawa University

AP12-3 Clinical and prognostic significance of PPAR gamma expression in meningiomas

Sanjana S James

Department of Pathology and Lab Medicine, All India Institute of Medical Sciences, Bhubaneswar, Odisha.

AP12-4 Primary Meningeal Intermediate Grade Melanocytoma Coexisting with Secretory Meningioma

Shengqi Li

Department of Pathology, The First Affiliated Hospital of Fujian Medical University

15:30-16:10 Poster presentation 13

Tumor Immunology 2

Chairperson: **Kosuke Aoki** (Department of Neurosurgery, Nagoya University)

AP13-1 EGFRvIII/IGFBP2 axis builds the immunosuppressive microenvironment of glioma

Xisen Wang

Department of Neurosurgery, Beijing Tsinghua Changgung Hospital, Tsinghua Medicine, Tsinghua University

AP13-2 GSC-exosome NEAT1 induce SIRPA macrophage enhancing immune evasion&GBM progression via HSP90B1/STAT3

Jun Dong

Department of Neurosurgery, the second Affiliated Hospital of Soochow University

AP13-3 Engineered extracellular vesicles prime tumor antigen-specific Th1 immunity

Ryouken Kimura

Department of Neurosurgery, Kanazawa University

AP13-4 KITENIN-CCL20 axis is a potential therapeutic target for modulating immunosuppressive TME in GBM

Kyung-Sub Moon

Department of Neurosurgery, Chonnam National University Hwasun Hospital

AP13-5 Panobinostat Blocks Glioma Progression by Attenuating Immunosuppression in Hypoxic Oxidative Stress

Mingyue Zhang

Department of Neurosurgery, Beijing Tsinghua Changgung Hospital, School of Clinical Medicine, Tsinghua University

15:30-16:10 Poster presentation 14

Surgical management 2

Chairperson: **Shigeki Takada** (Department of Neurosurgery, Kyoto University)

AP14-1 Factors associated with additional resection during intraoperative MRI-guided glioblastoma surgery

Shu Takeuchi

Department of Neurosurgery, Kyoto University Graduate School of Medicine

AP14-2 Biopsy Targeting in High-Grade Gliomas Using Advanced Perfusion Mapping and Navigation

Young Il Kim

Department of Neurosurgery, St. Vincent's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

AP14-3 The additional effect of photodynamic therapy on re-resection for recurrent glioblastoma

Daisuke Yamashita

Department of Neurosurgery, Ehime University Graduate School of Medicine

AP14-4 Supraorbital Eyebrow Approaches for Anterior skull base, temporal and Parasellar Lesions

Sung Jin Cho

Soonchunhyang University, Neurosurgery

AP14-5 Clinical Impact and Limitations of Gross Total Resection in Newly Diagnosed Glioblastoma

Kuniaki Saito

Department of Neurosurgery, Kyorin University School of Medicine

15:30-16:18 Poster presentation 15

Case Report / Rare Case Series 1

Chairperson: **Yasuo Aihara** (Department of Neurosurgery, Tokyo Women's Medical University.)

AP15-1 Complex Visual and Auditory Hallucinations Following Neurosurgical Injury: Systematic Review

Sophie Jia Qian Koh

Department of Neurosurgery, National Neuroscience Institute

AP15-2 Neurological Improvement After Partial Resection of Diffuse Intrinsic Pontine Glioma: A Case Report

Moeko Sakate

Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan

AP15-3 Rare but Lethal: High-Grade Primary Spinal Cord Tumors in the Molecular Era - A Case Series

Kurniawati Husnah

Department of Radiology, Seoul National University Hospital / Department of Radiology, Central General Hospital Makassar

AP15-4 A Rare Case of Intracranial Myxopapillary Ependymoma With Suspected Leptomeningeal Dissemination

Dwi Setia Ningrum

Department of Neurology, Makassar Central General Hospital

AP15-5 IDH-1 R132H mutated glioma in brother

Ryuhei Kitai

Department of Neurosurgery, Kaga Medical Center / Department of Neurosurgery, University of Fukui

AP15-6 Rare KRAS Q61K Mutant Tectal Glioma Presenting as a Large Aqueductal Mass in an Adolescent

Po Yin Tang

Department of Anatomical Pathology, Singapore General Hospital / Duke-NUS Medical School

June 13

Room 1

8:50-9:00 ASNO–EANO Memorandum of Understanding (MOU) Signing Ceremony

Chairperson: **Mitsutoshi Nakada** (Department of Neurosurgery, Kanazawa University)

Rakesh Jalali

Neuro Oncology Cancer Management Team, Apollo Proton Cancer Centre, Chennai, India

Michael Platten

Neurology, Chairman, Department of Neurology, University Hospital Mannheim, Germany / Head CCU Neuroimmunology and Brain Tumor Immunology, DKFZ Heidelberg, Germany / Heidelberg University, Germany

9:00-9:20 Special Lecture 5

Immunotherapy of gliomas

Chairperson: **Sith Sathornsumetee** (Department of Medicine (Neurology), Faculty of Medicine Siriraj Hospital, Mahidol University)

ASL5 Michael Platten

Professor, Department of Neurology, Medical Faculty Mannheim Heidelberg University

9:25-10:15 Special Lecture 6

Neuroscience and Novel Therapies in Glioma

Chairpersons: **Pin-Yuan Chen** (Department of Neurosurgery, Chang Gung Memorial Hospital, Keelung and Chang Gung University)
Seok-Gu Kang (Department of Neurosurgery, Severance Hospital, Yonsei University College of Medicine)

ASL6-1 The neuroscience of brain cancers

Michelle Monje

Department of Neurology, Stanford University

ASL6-2 Intercepting Neuro Tumor Communication: Novel Therapies for Diffuse Glioma

Shawn Hervey-Jumper

University of California, San Francisco

10:20-11:50 Symposium 5

Immunotherapy

Chairpersons: **Naoya Hashimoto** (Department of Neurosurgery, Kyoto Prefectural University of Medicine)
Sith Sathornsumetee (Medicine (Neurology), Mahidol University, Siriraj Hospital)

ASY5-1 Improving Specificity and Reducing Exhaustion: Phase I Trial of a Prime-and-Kill CAR-T Therapy [Keynote Lecture]

Hideho Okada

Department of Neurosurgery, University of California, San Francisco

ASY5-2 Concept of longitudinal immunotherapy with Ad-SGE-REIC-NS for recurrent glioblastoma

Yoshihiro Otani

Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences