

## Day 2 : Saturday, January 19

### Tachibana, 2F

#### English Session

09:00 ~ 11:15     **ALGK Symposium 2 : Long Term Efficacy and Complications**

Moderators : Sun Ha Paek (Seoul National University Hospital, Korea)

Yoshiyasu Iwai (Department of Neurosurgery, Osaka City General Hospital, Japan)

**SY2-1    Long-term outcomes for pediatric patients with brain arteriovenous malformations treated with Gamma Knife surgery**

Toshinori Hasegawa

Department of Neurosurgery, Komaki City Hospital, Japan

**SY2-2    A Re-Review of Treatment Results in Arteriovenous Malformation Patients Undergoing Gamma Knife Radiosurgery During the Learning Curve: What Do We See “After Twenty Years?”**

Masaaki Yamamoto

Katsuta Hospital Mito GammaHouse, Japan

**SY2-3    Gamma knife radiosurgery for dural arteriovenous fistula: analysis of the long-term outcomes and need for a multi-institutional comprehensive study**

Hiroataka Hasegawa

Departments of Neurosurgery, The University of Tokyo Hospital, Japan

**SY2-4    Radiosurgery of growth hormone-producing pituitary adenomas: Experience in our center**

Nguyen Thanh Binh

Gamma Knife Unit, Cho Ray Hospital, Vietnam

**SY2-5    Long-term outcome of gamma knife radiosurgery for patients with nonfunctioning pituitary adenomas**

Yoshiyasu Iwai

Department of Neurosurgery, Osaka City General Hospital, Japan

**SY2-6    The efficacy of low dose gamma knife radiosurgery on aggressive non-functional pituitary adenoma with giant tumor volume**

Chain-Fa Su

Department of Neurosurgery, Buddhist Tzu-Chi Medical Center and Tzu-Chi University, Taiwan

**SY2-7    Long-term outcomes of gamma knife surgery for skull base tumors involving the cavernous sinus**

Yuki Shinya

Departments of Neurosurgery, The University of Tokyo Hospital, Japan / Departments of Neurosurgery, Tokyo Metropolitan Police Hospital, Japan

**SY2-8 Long-term outcome of low dose ( $\leq 12$  Gy) gamma knife radiosurgery for skull base meningiomas**

Yoshiyasu Iwai

Department of Neurosurgery, Osaka City General Hospital, Japan

**SY2-9 Stereotactic Treatment and Radiosurgery for Craniopharyngiomas: a 20-year experience**

David Hung-Chi Pan

Department of Neurosurgery, Taipei Medical University Shuang Ho Hospital, Taiwan /

Department of Neurosurgery, Taipei Veterans General Hospital, Taiwan

**SY2-10 Long term (>10 year) outcomes of gamma knife radiosurgery for vestibular schwannomas: Single Center Study**

Shweta Kedia

Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi, India

**SY2-11 Long-term outcome of Gamma Knife radiosurgery for vestibular schwannoma with a margin dose of 12 Gy**

Mariko Kawashima

Department of Neurosurgery, The University of Tokyo Hospital, Japan

**11:25 ~ 12:05 ALGK/JLGK Educational Lecture 1**

Moderator : Masatoshi Hasegawa (Department of Radiation Oncology, Nara Medical University, Japan)

**Clinical use of PET Imaging for the Gamma Knife radiosurgery against malignant brain tumor**

Tadashi Nariai

Department of Neurosurgery, Tokyo Medical and Dental University, Japan

**12:15 ~ 13:15 ALGK/JLGK Luncheon Seminar**

Sponsored by Eisai Co., Ltd.

Moderator : Hidefumi Jokura (Jiro Suzuki Memorial Gamma House, Furukawa Seiryō Hospital, Japan)

**Epilepsy: The Name You Know, The Story You Don't**

Nobukazu Nakasato

Department of Epileptology, Tohoku University Graduate School of Medicine, Japan

**13:25 ~ 14:05 ALGK General Session 4 : Vestibular Schwannomas**

Moderators : Toshinori Hasegawa (Department of Neurosurgery, Komaki City Hospital, Japan)

Theodor S. Vesagas (Philippine Gamma Knife Center, Philippines)

**GS4-1 Gamma-Knife Radiosurgery for Vestibular Schwannoma for 22 years**

Mooseong Kim

Inje University Busan Paik Hospital, Korea

**GS4-2 Secondary trigeminal neuralgia due to the shrinkage of vestibular schwannoma following stereotactic radiosurgery**

Masaki Izumi

Department of Neurological Surgery, Chiba University Graduate School of Medicine, Japan

**GS4-3 Inverse pseudoprogression - Increase in the size of vestibular schwannoma after initial response to Gamma Knife**

Kanwaljeet Garg

Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi, India

**GS4-4 Current issues and future prospects of stereotactic radiosurgery for acoustic tumors**

Motohiro Hayashi

Department of Neurosurgery, Tokyo Women's Medical University, Japan / Faculty of Advanced Technosurgery, Tokyo Women's Medical University, Japan

**14:05 ~ 14:45 ALGK/JLGK Educational Lecture 2**

Moderator : Nobuhito Saito (Department of Neurosurgery, The University of Tokyo Hospital, Japan)

**Pahophysiology and Treatments of Brain Radiation Necrosis**

Shin-Ichi Miyatake

Cancer Center, Osaka Medical College, Japan

**15:00 ~ 15:40 ALGK General Session 5 : Metastases**

Moderators : Takashi Shuto (Stereotactic Radiotherapy Center, Yokohama Rosai Hospital, Japan)

Jun Kawagishi (Jiro Suzuki Memorial Gamma House, Furukawa Seiryō Hospital, Japan)

**GS5-1 Gamma Knife Surgery for Metastatic Brain Tumors from Gynecologic Cancer**

Natsuki Kobayashi

Stereotactic Radiotherapy Center, Yokohama Rosai Hospital, Japan

**GS5-2 Validity of a Recently-Proposed Prognostic Grading Index, Brain Metastasis Velocity, for Brain Metastasis Patients Undergoing Multiple Radiosurgical Procedures**

Masaaki Yamamoto

Katsuta Hospital Mito GammaHouse, Japan

**GS5-3 The Impact of Neutrophil Lymphocyte Ratio and Platelet Lymphocyte Ratio as a Prognostic Factor in Patients with Brain Metastases**

Kouzou Murakami

Department of Radiology, Division of Radiation Oncology, Showa University School of Medicine, Japan

**GS5-4 Complications after stereotactic radiosurgery for brain metastases: Radiological findings and Treatments**

Hitoshi Aiyama

Mito GammaHouse, Katsuta Hospital, Japan

**15:40 ~ 16:20      ALGK General Session 6 : Metastases and Other Malignant Tumors**

Moderators : Shoji Yomo (Division of Radiation Oncology, Aizawa Comprehensive Cancer Center,  
Aizawa Hospital, Japan)  
Mooseong Kim (Inje Univeristy Busan Paik Hospital, Korea)

**GS6-1      Fractionated gamma knife surgery for large brain metastases from lung**

Kyung Rae Cho  
Department of Neurosurgery, Samsung Medical Center, Sungkyunkwan University School of  
Medicine, Korea

**GS6-2      One-Day Two-Fraction Radiosurgery Using Gamma Knife**

Yoshimasa Mori  
Center for Advanced IGRT, Shin-Yurigaoka General Hospital, Japan

**GS6-3      Primary Central Nervous System Lymphoma (PCNSL):  
Treatment by Gamma Knife Radiosurgery and Chemotherapy after RT**

Mooseong Kim  
Inje University Busan Paik Hospital, Korea

**GS6-4      Gamma Knife Radiosurgery in Combination with High-dose Methotrexate in the  
Treatment of Primary Central Nervous System Lymphoma: a Single Institution  
Experience**

Hao Long  
Department of Neurosurgery, Nanfang Hospital, Southern Medical University, China

**16:30 ~ 17:40      ALGK General Session 7 : Benign Tumors**

Moderators : Atsuya Akabane (Gamma Knife Center, NTT Medical Center Tokyo, Japan)  
Chain-Fa Su (Department of Neurosurgery, Buddhist Tzu-Chi Medical Center and  
Tzu-Chi University, Taiwan)

**GS7-1      Gamma Knife Surgery Outcomes of Intracranial Hypervascular Tumors**

Yong-Sin Hu  
Department of Radiology, Taipei Veterans General Hospital, Taiwan / School of Medicine,  
National Yang-Ming University, Taiwan

**GS7-2      Gamma knife treatment of glomus tumors**

Masao Nakatsuka  
Department of Neurosurgery, Ookuma Hospital Gamma Knife Center, Japan

**GS7-3      Gamma knife radiosurgery for intracranial hemangiopericytoma**

Kenji Kubo  
Department of Neurological Surgery, Koyo Hospital, Japan

**GS7-4      Gamma Knife surgery based on the pathological microanatomy for intractable skull  
base tumors: cases of intra-cavernous sinus atypical hemangiopericytoma**

Motohiro Hayashi  
Department of Neurosurgery, Tokyo Women's Medical University, Japan / Faculty of Advance  
Technosurgery, Tokyo Women's Medical University, Japan

**GS7-5    Radiosurgery for slow-growing benign brain tumors.  
“Sustainable tumor control” more than 10 years**

Yoshihisa Kida  
Gamma Knife Center, Ookuma Hospital, Japan

**GS7-6    Complications of gamma knife radiosurgery for orbital apex tumors**

Yoshiyasu Iwai  
Department of Neurosurgery, Osaka City General Hospital, Japan

**GS7-7    Pseudocavernoma - a case report and review of the literature**

Bengt Karlsson  
Department of Surgery, Division of Neurosurgery, National University Hospital, Singapore