

— Program —

8:15-8:20 **Opening Remarks by the President**

Takamitsu Fujimaki (Saitama Medical University Hospital, Japan)

8:20-9:25 **Symposium 1 Monitoring and endoscope**

Chair: Sanford PC. Hsu (Taipei Veterans General Hospital, Taiwan)
Iwao Yamakami (Seikei-kai Chiba Medical Center, Japan)

- S1-1** [Keynote Lecture] Blink synkinesis monitoring during microvascular decompression for hemifacial spasm
(15mins) Sanford PC. Hsu (Department of Neurosurgery, Taipei Veterans General Hospital, Taiwan)
- S1-2** Microvascular decompression for hemifacial spasm: can intraoperative lateral spread response monitoring improve surgical efficacy?
(12mins) Yongxu Wei (Department of Neurosurgery, Ruijin Hospital, Shanghai Jiao Tong University School of Medicine, China)
- S1-3** Early Disappearance of Abnormal Muscle Response (AMR) during Microvascular Decompression for Hemifacial Spasm Evaluated by Continuous AMR Monitoring
(10mins) Iwao Yamakami (Neurosurgery, Seikei-kai Chiba Medical Center, Japan)
- S1-4** Intraoperative monitoring of Z-L response (ZLR) and abnormal muscle response (AMR) during microvascular decompression for hemifacial spasm. Interpreting the role of ZLR
(10mins) Byung-chul Son (Department of Neurosurgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Korea)

9:25-10:20 **Session 1 Pre-operative evaluation and MRI**

Chair: Nan-xiang Xiong (Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, China)
Akio Morita (Nippon Medical School, Japan)

- O1-1** Study on formation of tortuous vertebral artery (VA) as the offending vessels of hemifacial spasm
(12mins) Nan-xiang Xiong (Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, China) **Canceled**
- O1-2** Analysis of the conflicting vessels in hemifacial spasm
(8mins) Naruhiko Terano (Department of Neurosurgery, Saitama Medical University Hospital, Japan)
- O1-3** The Importance of Volumetric Measurement of the Cerebellopontine Cistern in Trigeminal Neuralgia
(8mins) Yoshiki Obata (Department of Neurosurgery, Tokyo-kita Medical Center, Japan / Department of Neurosurgery, Tokyo Medical and Dental University, Japan)
- O1-4** Usefulness and limitation of non-contrast MRI images for preoperative simulation on microvascular decompression
(8mins) Kunihiko Kodama (Department of Neurosurgery, Nagano Municipal Hospital, Japan)
- O1-5** Analysis of vascular tortuosity and anchoring perforators in patients with hemifacial spasm.
(8mins) Yuya Nishiyama (Department of Neurosurgery, Fujita Health University, Japan)
- O1-6** Preoperative MR in assessing hearing loss after microvascular decompression for hemifacial spasm
(8mins) Ning Li (Department of Neurosurgery, Rui Jin Hospital, China)

10:20-10:35 **Break**

10:35-11:30 **Workshop Surgical Technique**

Chair: Young Hwan Ahn (Ajou University Hospital, Korea)
Hideo Takeshima (University of Miyazaki, Japan)

W-1 Why we have to change of MVD concept for HFS ?
[Keynote Lecture] Sang Hoon Lee (Department of Neurosurgery, Bong Seng Hospital, Korea)
(15mins)

W-2 Modified transposition method using a GoreTex belt for large arteries
(10mins) Yuichiro Tanaka (Department of Neurosurgery, St. Marianna University School of Medicine, Japan)

W-3 Microvascular decompression for hemifacial spasm associated with vertebral artery:
Personal opinion for choice of the method for VA-decompression
(10mins) Hideo Takeshima (Department of Neurosurgery, Faculty of Medicine, University of Miyazaki, Japan)

W-4 Usefulness of a biogluce-coated Teflon sling for transposition technique in microvascular
decompression for glossopharyngeal neuralgia
(10mins) Young Hwan Ahn (Ajou University Hospital, Korea)

11:30-12:40 **Session 2 Surgical Strategies**

Chair: Byung-chul Son (Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Korea)
Toru Hatayama (Mito Brain Heart Center, Japan)

O2-1 Factors Analysis of Delayed relief of hemifacial spasm after microvascular decompression
surgery
(12mins) Bing Sun (Department of Neurosurgery, Huashan Hospital of Fudan University, China)

O2-2 Transposition of the culprit artery that passes between CN VII and CN VIII in MVD
for HFS
(10mins) Kenichi Amagasaki (Department of Neurosurgery, Mitsui Memorial Hospital, Japan)

O2-3 Hemifacial Spasm Caused by Vascular Compression in the Cisternal Portion of the
Facial Nerve: Report of Three Cases with Literature Review
(8mins) Byung-chul Son (Department of Neurosurgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Korea)

O2-4 Outcome of microvascular decompression for hemifacial spasm associated with the
vertebral artery.
(6mins) Jun Masuoka (Department of Neurosurgery, Faculty of Medicine, Saga University, Japan)

12:40-13:40 **Special Lecture 1 Expert lectures at lunchtime**
(partly sponsored by Bear Medic Corporation)

Chair: Mitsuhiro Hasegawa (Fujita Health University Hospital, Japan)

SL-1

(17mins)

Asian Conference of MVD Surgery: from Shanghai to Saitama and from Micro to Global
Weiguo Zhao (Department of Neurosurgery, Ruijin Hospital of Shanghai Jiao Tong University School of Medicine, China)

Special Lecture 2 Expert lectures at lunchtime
(partly sponsored by Bear Medic Corporation)

Chair: Takamitsu Fujimaki (Saitama Medical University Hospital, Japan)

SL-2

(17mins)

Hyper-excitability of facial motor nucleus is main pathogenesis of hemifacial spasm
Kwan Park (Department of Neurosurgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

Special Lecture 3 Expert lectures at lunchtime
(partly sponsored by Bear Medic Corporation)

Chair: Shinji Nagahiro (Tokushima University Hospital, Japan)

SL-3

(17mins)

Aspect of Microvascular Decompression for Trigeminal Neuralgia
Akinori Kondo (Shiroyama Hospital, Japan)

13:40-14:10 **Session 3 Recurrence and failure**

Chair: Shi-Ting Li (Xin Hua Hospital, Shanghai Jiao Tong University School of Medicine, China)
Hidetoshi Kasuya (Tokyo Women's Medical University Medical Center East, Japan)

O3-1

(10mins)

Reoperation experience in MVD (With 172 cases report)
Guoqiang Chen (Department of Neurosurgery, Aviation General Hospital of China Medical University, China)

O3-2

(10mins)

"The nerve isolation vascular transposition technique" recommendation for microvascular decompression surgeries. - Based on experiences of re-operations for failure cases -
Takamitsu Fujimaki (Department of Neurosurgery, Saitama Medical University Hospital, Japan)

14:10-15:05 **Session 4 Rare interesting conditions**

Chair: Jun Zhong (Xin Hua Hospital, Shanghai Jiao Tong University School of Medicine, China)
Isao Date (Okayama University Graduate School of Medicine, Japan)

O4-2 Trigeminal neuralgia due to petrosal bone deformity treated by anterior petrosal approach
(8mins) Sachiko Hirata (Department of Neurosurgery, Saitama Medical University Hospital, Japan)

O4-3 Clinical outcomes of microvascular decompression for trigeminal neuralgia and hemifacial spasm in patients with antithrombotic therapy
(8mins) Bunsho Asayama (Department of Neurosurgery, Nakamura Memorial Hospital, Japan)

O4-4 Diagnosis and treatment strategy of differential cranial nervous disease.
(6mins) Xiaosong Wang (Department of Neurosurgery, Aviation General Hospital of China Medical University, China)

O4-5 Remote supratentorial subdural hematoma after microvascular decompression
(6mins) Maidinamu Yakufujiang (Department of Neurological Surgery, Chiba University Graduate School of Medicine, Japan)

15:05-15:20 **Break**

15:20-16:00 **Session 5 Trigeminal neuralgia, long-term follow up**

Chair: Kwan Park (Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)
Yukihiko Fujii (Brain Research Institute, Niigata University, Japan)

O5-1 Microvascular decompression for trigeminal neuralgia associated with the vertebral artery
(10mins) Shusaku Noro (Department of Neurosurgery, Nakamura Memorial Hospital, Japan)

O5-2 Trigeminal neuralgia caused by vertebral arteries: decompression techniques and operative results
(10mins) Takuro Inoue (Department of Neurosurgery, Subarukai Kotoh Kinen Hospital, Japan)

O5-3 Trigeminal neuralgia due to compression of trigeminocerebellar artery: Report of 7 cases
(6mins) Norio Ichimasu (Department of Neurosurgery, Tokyo Medical University, Japan)

O5-4 The Therapy of Trigeminal Neuralgia caused by Vertebral Artery: Microvascular Decompression or Neurotomy? (Case report)
(6mins) Zhang Shi Ming (Neurosurgical Department, Affiliated First Hospital of Suzhou University, China)

16:00-17:00 **Symposium 2 Trigeminal neuralgia, veins**
(sponsored by Eisai Co.,Ltd.)

Chair: Weiguo Zhao (Ruijin Hospital of Shanghai Jiao Tong University, China)
Sang Hoon Lee (Bong-seng Hospital, Korea)

S2-1 (10mins) Our strategy for trigeminal neuralgia caused by venous compression at the exit of the nerve from Meckel cave
Taketoshi Maehara (Department of Neurosurgery, Tokyo Medical and Dental University, Japan)

S2-2 (10mins) Intraoperative bleeding in microvascular decompression for trigeminal neuralgia
Hidetoshi Kasuya (Department of Neurosurgery, Tokyo Women's Medical University Medical Center East, Japan)

S2-3 (10mins) Strategies on Exposing REZ of Trigeminal Nerve While SPV Appears as a Major Obstacle in MVD Surgery for Trigeminal Neuralgia
Risheng Liang (Department of Neurosurgery, Union Hospital, Fujian Medical University, China)

S2-4 (10mins) Microneurosurgical Treatment of Trigeminal Neuralgia Caused by Non-arterial Compression
Li Zhang (D~~ep~~endship Hospital, China) **Canceled**

S2-5 (10mins) Bridging Veins and Veins of the Brain Stem in Microvascular Decompression Surgery for Trigeminal Neuralgia
Hiroki Toda (Department of Neurosurgery, Fukui Red Cross Hospital, Japan)

17:00-17:25 **Session 6 Symptomatic trigeminal neuralgia**

Chair: Masahito Kobayashi (Saitama Medical University Hospital, Japan)

O6-1 (10mins) Clinical features of patients with tumor-related trigeminal neuralgia
Hirokazu Koseki (Department of Neurosurgery, Tokyo Women's Medical University Medical Center East, Japan)

O6-2 (10mins) The tethered effect of the tumor shrinkage following stereotactic radiosurgery in secondary trigeminal neuralgia
Yoshinori Higuchi (Department of Neurological Surgery, Chiba University Graduate School of Medicine, Japan)

17:25-17:30 **Closing Remarks and Summary of the 2nd Asian Conference of MVD**

Takamitsu Fujimaki (Saitama Medical University Hospital, Japan)