
June 15-17

Poster Session

15:30~16:00, June 15

Exhibition & Poster (Conference Room 1004-7)

13:10~13:50, June 16

10:30~11:00, June 17

Poster Session**Trauma, MVD, Spine, Reconstruction**

- P-1 Penetrating traumatic brain injury on the anterior skull base**
Agung B. Sutiono
Department of Neurosurgery Padjadjaran University, Hasan Sadikin Hospital, Indonesia
- P-2 Orbitozygomatic approach for an unusual transorbital penetrating brain injury via optic canal- Case report**
Irwan B. Immadoel Haq
Airlangga University, Indonesia
- P-3 Optic nerve decompression via trans-SOF approach for traumatic optic neuropathy**
Naoki Otani
Department of Neurosurgery, National Defense Medical College, Japan
- P-4 Systematic review: Microvascular decompression for tinnitus**
Brenton Nash
College of Medicine, University of Vermont, USA
- P-5 Microvascular decompression with a novel method "Teflon-bridge technique" for hemifacial spasm by vertebral artery**
Makoto Ichinose
Department of Neurosurgery, Shin-Takeo Hospital, Japan
- P-6 High cervical myelopathy caused by arteriovenous fistula fed by the intradural vertebral artery: Case report and review of the literature**
Gohar Javed
Department of Neurosurgery, The Aga Khan University & Hospital, Pakistan
- P-7 Interlaminar fenestration approach for management of spinal meningiomas**
Ali Ayyad
Department of Neurosurgery, Johannes Gutenberg University, Germany
- P-8 Fusion in patients with occipito-atlanto-axial joint instability: Management strategy and results**
Hiroki Ohata
Moriguchi-Ikuno Memorial Hospital / Osaka City University, Japan
- P-9 Pathogenesis and management of chiari malformations**
Misao Nishikawa
Department of Neurosurgery, Moriguchi-Ikuno Memorial Hospital, Japan
- P-10 One-stage reconstruction of the extensive defects involving middle skull base and orbital floor with the combination of temporalis muscle flap and free ALT flap**
Kazuya Imai
Department of Plastic and Reconstructive Surgery, Tokyo Medical and Dental University, Japan
- P-11 A case of skull base reconstruction including the dural defect only with a flap**
Kensuke Sakata
Kurume University Department of Plastic & Reconstructive Surgery and Maxillofacial Surgery, Japan
- Rare Diseases and Infections**
- P-12 A case of sinonasal sarcoidosis in which neoplastic lesion in left orbital apex was confirmed**
Hidenori Yokoi
Department of Otolaryngology, Head and Neck Surgery, University of Kyorin, Japan

- P-13 Treatment of frontal sinusitis caused by foreign material**
Hiroaki Tanaka
Plastic and Reconstructive Surgery, Kurume University, Japan
- P-14 A case of malar intratumoral abscess originated from cavernous sinus meningioma**
Yasuhiro Arai
Department of Otorhinolaryngology and Head and Neck Surgery, Yokohama City University School of Medicine, Japan
- P-15 A case: Skull base osteomyelitis with cholesteatoma**
Yewon Lee
Department of Otorhinolaryngology, School of Medicine, Keimyung University, Korea
- P-16 Meningoencephalocele of the temporal bone: A report of 2 cases**
Hiroyuki Yamada
Department of Otorhinolaryngology, Head and Neck Surgery, Ehime University School of Medicine, Japan
- P-17 Cochlear implantation in deaf patients with eosinophilic otitis media**
Hisashi Sugimoto
Department of Otorhinolaryngology, Kanazawa University Hospital, Japan
- P-18 Management of facial nerve in removal of petrous bone cholesteatoma**
Jong W. Chung
Department of Otorhinolaryngology Head & Neck Surgery, University of Ulsan College of Medicine, Asan Medical Center, Korea
- P-19 Neuroenteric cyst presenting with atypical radiological features in an adult**
Junkoh Yamamoto
Department of Neurosurgery, University of Occupational and Environmental Health, Japan
- P-20 Discovery of facial and trigeminal nerve function: Herbert mayo and charles bell**
Matthew L. Carlson
Mayo Clinic, Rochester, USA
- P-21 Middle ear meningioma mimicking otitis media with effusion : A case**
Sungil Nam
Department of Otorhinolaryngology, University of Keimyung, Korea
- P-22 Superior canal dehiscence syndrome**
Wenya L. Bi
Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, USA

Anatomy of Skull Base, Vascular Diseases

- P-23 Occipital sinus as the main venous drainage in a case of 4th ventricular mass**
Burak Sade
Department of Neurosurgery, Dokuz Eylul University, Turkey
- P-24 Intercarotid distance in pituitary macroadenoma: A comparative study**
Cristian F. Nunes
Department of Neurosurgery, Fluminense Federal University, Brazil
- P-25 Radiologic analysis of the atlas with special reference to atlas hypoplasia**
Hitoshi Yamahata
Department of Neurosurgery, Kagoshima University, Japan
- P-26 Microsurgical anatomy of the maxillary artery**
Satoshi Matsuo
Department of Neurosurgery, Aso Iizuka Hospital, Japan
- P-27 Evaluation of rotational changes of the VA atlas loop using 3D-CTA**
Seiro Ito
Department of Neurosurgery, Chiba Rosai Hospital, Japan
- P-28 Intra-spinosum middle meningeal artery ligation**
Shunsuke Shibao
Department of Neurosurgery, Keio University School of Medicine, Japan

- P-29 Microsurgical anatomy of the abducens nerve (cavernous segment)**
Wonil Joo
Department of Neurosurgery, The Catholic University of Korea / Uijeongbu St. Mary's Hospital, Korea
- P-30 Microsurgical anatomy of the carotid cave**
Wonil Joo
Department of Neurosurgery, The Catholic University of Korea / Uijeongbu St. Mary's Hospital, Korea
- P-31 Outcome for neurological deficits due to ICA aneurysms using RA graft with ICO**
Fumihiko Matano
Department of Neurosurgery, Chiba Hokusoh Hospital, Japan
- P-32 Time-staged gamma knife stereotactic radiosurgery for large cerebral arteriovenous malformations: A preliminary report**
Hye R. Park
Department of Neurosurgery, Soonchunhyang University Hospital, Korea
- P-33 Treatment of ruptured posterior inferior cerebellar artery aneurysms**
Na R. Yang
Department of Neurosurgery, Ewha Womans University Medical Center / Ewha Womans University School of Medicine, Korea
- P-34 Signification and technique of direct surgical approach for normal sized paraclinoid aneurysms**
Shin Tanino
National Hospital Organization Yokohama Medical Center, Japan
- P-35 Unusual cerebral vasospasm after tumor resection; 2 cases report**
Jeong-Taik Kwon
Department of Neurosurgery, Chung-Ang University Hospital, Korea

Malignant Tumor

- P-36 Incidental finding of non-contiguous dural metastasis of olfactory neuroblastoma**
Chi W. Lee
Department of ENT, Tuen Mun Hospital, Hong Kong
- P-37 Partial maxillary swing approach and infratemporal approach for three malignant tumors in pterygopalatine fossa**
Hirotaka Shinomiya
Department of Otolaryngology Head and Neck Surgery, Kobe University Hospital, Japan
- P-38 Clival metastasis of hepatocellular carcinoma which was first histopathologically diagnosed as atypical pituitary adenoma**
Hiroyuki Mishima
Department of Neurosurgery, Yokosuka Kyousai Hospital, Japan
- P-39 Functional outcomes of immediate facial nerve repair after radical parotidectomy**
Junhui Jeong
Department of Otorhinolaryngology, Seoul Medical Center, Korea
- P-40 Cranionasal excision of paranasal sinus immature teratoma**
Raoul Lee
Department of ENT, Tuen Mun Hospital, Hong Kong
- P-41 Chemoradiotherapy for the squamous cell carcinoma of the external auditory canal**
Kenjiro Higashi
Department of Otorhinolaryngology, Tohoku University Hospital, Japan
- P-42 Synchronous skull base SCC and osteomyelitis: Case reports and literature review**
Migie Lee
Department of Otolaryngology-Head and Neck Surgery, Nepean Hospital / University of Sydney, Australia
- P-43 Vestibular schwannoma atypically invading temporal bone**
Na R. Yang
Department of Neurosurgery, Ewha Womans University Medical Center / Ewha Womans University School of Medicine, Korea

- P-44 Treatment outcome of olfactory neuroblastoma in our institute**
Norihiro Takemoto
Department of Otolaryngology-Head and Neck Surgery, Osaka University Graduate School of Medicine, Japan
- P-45 Surgical management of parotid gland carcinoma patients with temporal bone involvement**
Shintaro Beppu
Department of Otolaryngology, Head and Neck Surgery, Nagoya City University Graduate School of Medical Sciences and Medical School, Japan
- P-46 Outside-in draft 3 approach for sinonasal squamous cell carcinoma- a case report**
Tengchin Wang
Department of Otolaryngology Head and Neck Surgery, Tainan Municipal Hospital, Taiwan
- P-47 A case of intractable skull base mesenchymal chondrosarcoma**
Yuta Murakami
Department of Neurosurgery, Fukushima Medical University, Japan

Benign Tomor 1

- P-48 Epidermoid cyst of posterior cranial fossa: Our experience of 27 cases**
Akio Nemoto
Department of Neurosurgery, Moriyamakinen Hospital, Japan
- P-49 Treatment of ectopic sphenoid sinus pituitary adenoma (ESSPA) with normal pituitary gland: Two cases with a review of the literature**
Chae H. Lee
Department of Neurosurgery, Ilsan Paik Hospital, College of Medicine, Inje University, Korea
- P-50 Withdrawn**
- P-51 Chromosomal aberrations in chordoid meningioma – a study of 15 cases**
Dwarakanath Srinivas
Department of Neurosurgery, National Institute of Mental Health and Neurosciences (NIMHANS), India
- P-52 Management of invasive giant prolactinomas**
Gi-Taek Yee
Department of Neurosurgery, University of Gachon, Korea
- P-53 Hemangiopericytoma located on skull base**
Go Matsuoka
Department of Neurosurgery, Tokyo Women's Medical University, Japan
- P-54 Development of vestibular schwannoma xenograft zebrafish model for in vivo anti-tumor drug screening**
Hyun-Jin Lee
Department of Otorhinolaryngology, Yonsei University College of Medicine, Korea
- P-55 Intracranial pressure monitoring in postoperative management of skull base tumors**
Jie Tang
Department of Neurosurgery, Beijing Tiantan Hospital, China
- P-56 Pituicytoma; A suspected recurrence of a rare tumour**
Kate Mcnamara
Royal Stoke University Hospital, UK
- P-57 Radiological assessment of vestibular schwannoma size and volume**
Steffen K. Rosahl
Department of Neurosurgery, HELIOS Klinikum, Germany

Benign Tomor 2

- P-58 T gene isoform expression pattern in chordomas**
Ke Wang
Beijing Tiantan Hospital, Capital Medical University, China

- P-59 Intracisternal cranial root accessory nerve schwannoma associated with recurrent laryngeal neuropathy**
Kyung-Jae Park
Department of Neurosurgery, Korea University Medical Center, College of Medicine, Korea University, Korea
- P-60 Post traumatic stress disorder and pituitary surgery: Preliminary results**
Martin Dupuy
Department of Neurosurgery, Clinique de l'Union / Department of Neurosurgery, University Hospital Purpan, France
- P-61 Foramen magnum meningioma presenting as contralateral hemifacial spasm**
Masahide Matsuda
Department of Neurosurgery, Faculty of Medicine, University of Tsukuba, Japan
- P-62 Comparison of click and CE-chirp-evoked ABR as screening tool in vestibular schwannoma**
Seung H. Shin
Department of Otorhinolaryngology, University of Yonsei, Korea
- P-63 A case of presigmoid retrolabyrinthine approach to vestibular schwannoma by use of continuous direct neurophysiological monitoring of facial nerve and cochlear nerve**
Naoki Oishi
Department of Otolaryngology, Head and Neck Surgery, Keio University School of Medicine, Japan
- P-64 Postoperative headache after retrosigmoid approach for acoustic neuroma**
Noritaka Aihara
Department of Neurosurgery, Nagoya City University Medical School, Japan
- P-65 The usefulness of diffusion tensor imaging tractography for preoperative identification of facial nerve in vestibular schwannoma surgery**
Oh-Lyong Kim
Department of Neurosurgery, Yeungnam University, Korea
- P-66 Gene expression, transduction pathways and functional networks associated with vestibular schwannoma growth**
Per Caye-Thomasen
University of Copenhagen, Denmark / Department of Otolaryngology, Head and Neck Surgery and Audiology, Copenhagen University Hospital Rigshospitalet, Denmark

Benign Tumor 3

- P-67 Withdrawn**
- P-68 Management of facial nerve schwannoma for recurrent facial palsy: A case report and review of the literature**
Satoshi Toyoma
Department of Otolaryngology-Head and Neck Surgery, Akita University Graduate School of Medicine, Japan
- P-69 Long-term facial function after facial nerve repair using a VII-XII anastomosis after vestibular schwannoma removal**
Seungho Shin
Department of Otorhinolaryngology, Yonsei University College of Medicine, Korea
- P-70 Surgical management of trigeminal schwannomas**
Shunsuke Shibao
Department of Neurosurgery, Keio University School of Medicine, Japan
- P-71 Anatomical constraints of auditory brainstem implants (ABI)**
Steffen K. Rosahl
Department of Neurosurgery, HELIOS Klinikum, Germany
- P-72 Communicating hydrocephalus associated with small to medium sized vestibular schwannomas: Clinical significance of the tumor ADC map**
Tomoaki Nakai
Department of Neurosurgery, Kobe University Graduate School of Medicine, Japan

- P-73 Treatment strategy for craniopharyngiomas—consideration based on long-term follow up and chronological grouping of the cases—**
Tomu Okada
Department of Neurosurgery, National Hospital Organization, Yokohama Medical Center, Japan
- P-74 Ear pain after gamma knife radiosurgery for acoustic tumor**
Toru Serizawa
Tokyo Gamma Unit Center, Tsukiji Neurological Clinic, Japan

Benign Tumor 4

- P-75 A recurrence case of petrotentorial meningioma**
Toshihiro Yokoi
Department of Neurosurgery, Shiga University of Medical Science, Japan
- P-76 Genomic landscape of pituitary adenomas**
Wenya L. Bi
Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, USA
- P-77 An aggressive hemangioblastomatosis in a 58-year-old woman without VHL gene mutation**
Young C. Koh
Department of Neurosurgery, Konkuk University Medical Center, Korea
- P-78 Microsurgical treatment of brainstem cavernous malformation : Report of 30 cases**
Yu Zhang
Department of Neurosurgery, The First Affiliated Hospital of Wenzhou Medical University, China
- P-79 Hearing restoration of adults with vestibular schwannoma in the only-hearing ear**
Zhihua Zhang
Department of Otolaryngology Head & Neck Surgery, Xinhua Hospital Shanghai Jiaotong University School of Medicine, China
- P-80 Feasibility of non-thermal atmospheric pressure plasma as adjuvant treatment modality for acoustic tumor**
Michelle J. Suh
Department of Otorhinolaryngology, University of Yonsei, Korea
- P-81 Dual near-field intra-operative BAEP monitoring**
Steffen K. Rosahl
Department of Neurosurgery, HELIOS Klinikum, Germany
- P-82 Changing intracranial venous drainage patterns in petroclival meningioma**
Kazuhide Adachi
Department of Neurosurgery, University of Fujita Health University, Japan
- P-83 Intraoperative MRI in skull base surgery: A review of 71 consecutive cases**
Ramsey Ashour
Department of Neurosurgery, University of South Florida, USA
- P-84 Microarray analysis revealed variations in meningioma copy number profiles**
Vladimir Balik
Department of Neurosurgery, Faculty of Medicine and Dentistry, Palacky University and University Hospital Olomouc, Czech Republic

Surgical Technique 1

- P-85 A combined far lateral sublabrynthine-transpetrosal transcervical approach to the jugular foramen, anterior brainstem, and clivus**
Alexander I. Evins
Department of Neurological Surgery, Weill Cornell Medical College, USA
- P-86 Surgical treatment of skull base tumors invading the craniovertebral junction**
Alexey N. Shkarubo
Department of Neurosurgery, The N.N. Burdenko Neurosurgical Institute, Russia
- P-87 Minimally invasive approach for anterior skull base lesions**
Ali Ayyad
Department of Neurosurgery, Johannes Gutenberg University, Germany

- P-88 Surgical management of intraventricular meningioma; 22 years experience**
Ali Ayyad
Department of Neurosurgery, Johannes Gutenberg University, Germany
- P-89 Retrospective analysis of recurrence rate in primary intracranial atypical meningiomas**
Ali Ayyad
Department of Neurosurgery, Johannes Gutenberg University, Germany
- P-90 One-stage removal of sphenoorbital, convexity and ventricular meningiomas in NF2**
Ayako Iijima
Department of Neurosurgery, Fukushima Medical University, Japan
- P-91 Chondromas of the skull base: Clinical presentation, surgical technique, and outcome in 3 cases**
Ehab Shibani
Neurosurgery Department, Technical University of Munich, Germany
- P-92 Foramen magnum meningiomas: A modern series of 14 consecutive patients**
Ehab Shibani
Neurosurgery Department, Technical University of Munich, Germany
- P-93 Taking over and passing down 2&4, 3&5 microsurgical techniques**
Kosuke Miyahara
Department of Neurosurgery, National Hospital Organization Yokohama Medical Center, Japan
- P-94 Surgical approaches to jugular foramen schwannomas: A cadaveric study**
Noritaka Komune
Department of Neurosurgery, University of Florida, College of Medicine, USA / Department of Otorhinolaryngology Head and Neck Surgery, Kyushu University, Japan
- P-95 Modified extended frontal sinus surgery for frontal sinus cyst after skull bone fracture**
Takefumi Mikuriya
Department of Otolaryngology, Koga Hospital 21, Japan

Surgical Technique 2

- P-96 Withdrawn**
- P-97 Microsurgical and histological analysis of a temporal meningeal and periosteal dural incision zone for interdural exposure of the dorsolateral cavernous sinus**
Peter Spangenberg
King Faisal Specialist Hospital and Research Center, Saudi Arabia
- P-98 Digital three-dimensional surgical microscopy in the cerebellopontine angle**
Steffen K. Rosahl
Department of Neurosurgery, HELIOS Klinikum, Germany
- P-99 Trigeminal schwannoma: Importance of dural reflection of middle fossa**
Suresh Nair N. Nair
Department of Neurosurgery, Sree Chitra Tirunal Institute for Medical Sciences & Technology, India
- P-100 Petroclival meningioma: Choosing the right approach**
Suresh Nair N. Nair
Department of Neurosurgery, Sree Chitra Tirunal Institute for Medical Sciences & Technology, India
- P-101 Surgical treatment of vestibular schwannomas under high vertex lateral oblique position**
Taiji Yonezawa
Department of Neurosurgery, Osaka Police Hospital, Japan
- P-102 Modified pterio-approach to cavernous sinus cavernous hemangiomas**
Xinyu Hong
Department of Neurosurgery, Ji Lin University, China
- P-103 Limitations in telovelar approach to fourth ventricular tumors**
Young-Min Han
Department of Neurosurgery, Incheon St. Mary's Hospital, The Catholic University of Korea, Korea

P-104 Extradural-transcavernous approach

Yusuke Sasaki

*Department of Neurosurgery, Shin-Yurigaoka General Hospital, Japan***Endoscopic Approach 1****P-105 Endoscopic endonasal removal of skull base tumors invading posterior fossa**

Alexey N. Shkarubo

*Department of Neurosurgery, The N.N. Burdenko Neurosurgical institute, Russia***P-106 Endoscopic contralateral transmaxillary approach to the petrous apex**

Carl H. Snyderman

*Department of Otolaryngology, University of Pittsburgh Medical Center, USA***P-107 Minimal invasive approach for intra orbital tumor**

Claude F. Litre

*Department of Neurosurgery, University Reims, France***P-108 Translabellar endoscopic approach for anterior skull base surgery**

Claude F. Litre

*Department of Neurosurgery, University Reims, France***P-109 Morphometric analysis of the medial opticocarotid recess for endoscopic surgery**

Cristian F. Nunes

*Department of Neurosurgery, Fluminense Federal University, Brazil***P-110 Progress of endoscopic endonasal transsphenoidal approach (e.e.t.a.)**

Dmitry Fomichev

*Burdenko Neurosurgical Institute, Russia***P-111 Endoscopic surgery of pituitary adenomas: Experience with 4000 patients**

Dmitry Fomichev

*Burdenko Neurosurgical Institute, Russia***P-112 Extended endoscopic transphenoidal approach for suprasellar craniopharyngiomas**

Dmitry Fomichev

*Burdenko Neurosurgical Institute, Russia***P-113 Anxiety and depression in skull base surgery: A comparison between endonasal and open transcranial approaches**

Ehab Shiban

*Neurosurgery Department, Technical University of Munich, Germany***P-114 High gross total resection rate in clival chordomas via transnasal pure endoscopic approach**

Ehab Shiban

*Neurosurgery Department, Technical University of Munich, Germany***P-115 Cerebrospinal fluid leakage after an endoscopic transsphenoidal surgery**

Joji Ishida

*Department of Neurological Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan***Endoscopic Approach 2****P-116 Surgical management of the trigeminal schwannoma: The role of EEA**

Jun Muto

*Department of Neurological Surgery, The Ohio State University, USA / Department of Neurosurgery, Keio University School of Medicine, Japan***P-117 Comparative study of ATP with EEA to the petroclival region**

Jun Muto

*The Ohio State University, Department of Neurological surgery, USA / Keio University School of Medicine, Department of Neurosurgery, Japan***P-118 Evolution of pituitary surgery; A UK hospital experience**

Kate Mcnamara

Department of Neurosurgery, Royal Stoke University Hospital, UK

- P-119** **Clinical analysis of endoscopic endonasal transsphenoidal pituitary surgeries**
Kazuhiko Minami
Department of Head and Neck Surgery, Saitama Medical University International Medical Center, Japan
- P-120** **Endoscopic endonasal skull base surgery - Our current experience -**
Kentaro Horiguchi
Department of Neurological Surgery, Chiba University Graduate School of Medicine, Japan
- P-121** **Extended eTSS for tuberculum sellae meningiomas that occurred around the optic canal**
Nobuyuki Takeshige
Department of Neurosurgery, University of Kurume, Japan
- P-122** **Withdrawn**
- P-123** **Withdrawn**
- P-124** **Anatomical landmarks for sphenoid ostium during endoscopic approach**
Tulika Gupta
PGIMER / Department of Anatomy, India