

**Wednesday, 9 October 2024  
Magnolia Room**

**12:45–13:00 Welcome Addresses**

Prof. Dr. Péter Banczerowski, President of the Congress  
Prof. Dr. Tomislav Sajko, President of the Congress, President of SeENS  
Prof. Dr. Lóránd Erőss, President of the local organizing committee  
Prof. Dr. László Sipos, President of the local organizing committee

**13:00–14:30 Plenary Session and Keynote Lecture**

Chairmen: Lukas Rasulic, Tomislav Sajko

13:00–13:15 Tomislav Sajko – President of SeENS  
Clinic of Neurosurgery, Sestre milosrdnice University Hospital Center, Zagreb,  
Croatia  
*SeENS - story of continuous friendship*

13:15–13:30 Lukas Rasulic – Secretary of EANS, Honorary Presidents of SeENS  
Faculty of Medicine, University of Belgrade  
Clinic for Neurosurgery, University Clinical Center of Serbia  
*Innovation and research in peripheral nerve surgery*

13:30–13:45 Ioan Stefan Florian – Parliamentarian of WFNS, 1<sup>st</sup> Vice President of SeENS  
Department of Neurosurgery, University of Medicine and Pharmacy “Iuliu  
Hatieganu” Cluj-Napoca  
Department of Neurosurgery, Cluj County Emergency Hospital, Cluj, Romania  
*The Meaning of Minimally Invasive Surgery*

13:45–14:00 Krešimir Rotim - Honorary Presidents of SeENS  
Faculty of Health Sciences, University of Zagreb, Croatia  
*Hybrid microsurgical and endovascular treatment of intracranial aneurysms*

14:00–14:30 Torstein Meling, President of EANS  
National Hospital of Denmark, Copenhagen, Denmark  
*The gordian knot of microsurgical education - Keynote Lecture*

**14:30–15:00 Coffee Break**

**15:00–16:30 Spine 1**

Chairmen: Tomislav Sajko, Attila Schwarcz

15:00–15:15 Attila Schwarcz, Department of Neurosurgery, University of Pécs, Hungary  
*Surgical Techniques and Outcomes of Anterior (ALIF) and Oblique (OLIF)  
Lumbosacral Fusions.*

15:15–15:30 Tamas Fülöp Fekete, Schulthess Klinik, Zurich, Switzerland  
*Patient-reported Outcome 5 years after Surgical Treatment for Cervical Spondylotic  
Myelopathy*

15:30–15:40 Tomaz Velnar, University medical centre Ljubljana, Slovenia:  
*In vitro evaluation of the cytotoxic effects of local anesthetics in the diagnosis of  
discogenic low back pain*

15:40–15:50 Mia Jurilj Sajko, Sestre milosrdnice University Hospital Center, Zagreb, Croatia

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*Intradural Spinal Tumors: Surgical Considerations and Institutional Experience*

15:50–16:00 Miklos Kopa Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary  
*Impacts on Survival Period of Surgical Interventional Timing in Patients with Vertebral Metastases*

16:00–16:10 Zoltán Nagy, Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary:  
*Psychometric Analysis of the Hungarian Patient-Reported Outcomes Measurement Information System (PROMIS)-29 Profile Among Patients with Low Back Pain*

16:10–16:20 Ferenc Bereczki, In Silico Biomechanics Laboratory, National Center for Spinal Disorders, Budapest, Hungary; School of PhD Studies, Semmelweis University, Budapest:  
*The potential role of cranial endplate damaging pedicle screws in accelerated disc degeneration – a clinical cohort study combined with finite element analysis*

16:20–16:30 Máté Turbucz, National Center for Spinal Disorders, Budapest, Hungary:  
*Semirigid Spinal Fixation Techniques Could Help Prevent Proximal Junctional Kyphosis – A Finite Element Study*

**16:30–17:00 Coffee Break**

**17:00–18:05 Neurooncology 1**

Chairmen: Attila G. Bagó, Petar Vuleković

17:00–17:15 Petar Vuleković, Clinic for Neurosurgery, Clinical Centre of Vojvodina, University of Novi Sad, Serbia:  
*Microscopic vs endoscopic resection of third ventricular colloid cysts.*

17:15–17:25 Bojan Jelaca, University Clinical Center of Vojvodina, Serbia  
*Treatment of intracranial meningiomas – contemporary approach and personal experience*

17:25–17:35 Attila G. Bagó, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary  
*Pleomorphic Xanthroastrocytomas: Cases Demonstrating Malignant Clinical Course and Differential Diagnostic Problems*

17:35–17:45 Blagoj Shuntov, University Clinic for Neurosurgery, Skopje, North Macedonia  
*Postoperative outcome in tumor - related epilepsy*

17:45–17:55 Balázs Markia, Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary  
*Fractal-geometry analysis of convexity and falco-tentorial meningiomas*

17:55–18:05 Christina Arvaniti, University General Hospital of Larissa, Larissa, Greece  
*Lobectomy in the management of glioblastomas: A retrospective series*

**19:00–19:30 Opening Ceremony**

Welcome addresses by

Prof. Dr. Béla Merkely, Rector of Semmelweis University, Budapest

Prof. Dr. Péter Banczerowski, President of the Congress

Prof. Dr. Tomislav Sajko, President of the Congress, President of SeENS

Prof. Dr. Lukas Rasulic, Secretary of EANS, Honorary President of SeENS

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Prof. Dr. László Novák, President of Hungarian Neurosurgical Society, Co-chair of the Scientific Committee

**19:30–21:00 Welcome Reception**  
**Széchenyi Room in Grand Hotel Margitsziget**

**Wednesday, 9 October 2024**

**Jázmín 1 Room**

**15:00–16:30 Pituitary**

Chairmen: Kenan I. Arnautovic, László Sipos

- 15:00–15:10 László Sipos, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Pituitary Apoplexy*
- 15:10–15:20 Márk Stempler, Department of Internal Medicine and Oncology, Semmelweis University, Budapest, Hungary:  
*Clinicopathological Features and Treatment Outcomes of Pituitary Apoplexy in a Single Endocrine Referral Centre in Hungary*
- 15:20–15:30 Nikolette Szücs, Department of Internal Medicine and Oncology, Semmelweis University, Budapest, Hungary:  
*Summary of Clinico-Pathological Characteristics of Patients with Sellar Region Macroadenomas Endocrine Outpatient Clinic in Semmelweis University Department of Internal Medicine and Oncology*
- 15:30–15:40 Annamária Kövesdi, Department of Internal Medicine and Oncology, Semmelweis University, Budapest, Hungary:  
*Aggressive pituitary tumours – the first Hungarian experiences*
- 15:40–15:50 Judit Dénes, Central Hospital Northern Pest - Military Hospital, Budapest, Hungary:  
*Genetic background of pituitary tumours – why does it matter*
- 15:50–16:00 Emanuel Gutema, Neurosurgery Department at the University of Debrecen, Hungary  
*Our Experiences with Endoscopic, Endonasal Resection of Craniopharyngiomas*
- 16:00–16:30 Imre Fedorcsák, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Agydaganatos betegek multimodális kezelése – Nyilvános előadás  
Hungarian language presentation*

**17:00–18:10 Vascular 1**

Chairmen: Sándor Nardai, János Vajda

- 17:00–17:10 Hiroki Kurita, Department of Cerebrovascular Surgery, International Medical Center, Saitama Medical University, Yamane, Hidaka-City, Saitama-Pref, Japan  
*Lessons learned from 265 AVM surgery: battle plans and clinical results*
- 17:10–17:20 Manjul Tripathi, Postgraduate Institute of Medical Education and Research, Department of Neurosurgery, Chandigarh, India  
*Taming a Lion: Multisession GKRS for Complex AVM.*
- 17:20–17:30 Sándor Nardai, Institute of Neurosurgery and Neurointervention, Department of Neurointervention, Semmelweis University, Budapest, Hungary  
*Endovascular treatment of idiopathic intracranial hypertension: summary of the initial Hungarian experience*
- 17:30–17:40 Péter Orosz, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Primary transport saves life in LVO*
- 17:40–17:50 Csaba Oláh, BAZ County Central and University Teaching Hospital, Miskolc,

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Hungary

*The role of middle meningeal artery embolization in the treatment algorithm for chronic subdural hematoma, latest evidence and our own experience*

17:50–18:00 Zsolt Benkő, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:

*Decompressive Hemicraniectomy Following Mechanical Thrombectomy in Emergent Large Vessel Occlusions for Patients with Malignant Cerebral Edema*

18:00-18:10 Ramazan Jabbarli, University Hospital Essen, Essen, Germany:

*Prospective cohort study on the impact of smoking exposure on the risk of development and rupture of intracranial aneurysms*

**Wednesday, 9 October 2024  
Jázmin 2 Room**

**13:00–14:30 Nurses' Session 1**

Chairpersons: Dusan Vitanovic, Vesna Svirčević, Katalin Király

- 13:00–13:05 Eszter Péter, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Impact of minimally invasive spine surgery techniques on care*
- 13:05–13:10 Dorina Ellenbacher, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Susceptibility Weighted Imaging: Evaluation of the Swallow-tail Sign in Parkinson Disease*
- 13:10–13:15 Kinga Fehér, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Importance of High Spatial Resolution SPACE Sequence in Neuroradiology*
- 13:15–13:20 Monika Nenadić, University Hospital Sisters of Charity, Zagreb, Croatia:  
*Health care of patients with closed craniocerebral brain injury*
- 13:20–13:25 Erika Olajos, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Innovative approach to perioperative care provided by professional nurses*
- 13:25–13:30 Kitti Markó-Deé, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Prehabilitation for neurosurgical patients*
- 13:30–13:35 Dora Katanec, KBC Sestre Milosrdnice, Zagreb, Croatia:  
*Nutritional support of the neurosurgical patient*
- 13:35–13:40 Ivona Bakotin, University Hospital Sisters of Charity, Zagreb, Croatia:  
*A nurse and technician perspective on committing to pain management: Insights from nurses and technicians*
- 13:40–13:45 Dorina Palócz, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Venous Sinus Stenting and presentation of the related assistant duties*
- 13:45–13:50 Vesna Svirčević, Department of Neurosurgery, UHC Sestre milosrdnice, Zagreb, Croatia:  
*Improvement of intraoperative care through technological progress in neurosurgery*
- 13:50–13:55 Anett Szentesi, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Transnasal Endoscopic Surgery of Skull Base Diseases from Scrub Nurse Point of View*
- 13:55–14:05 Tomislav Radoš, University Hospital Sisters of Charity - Department of Neurosurgery, Zagreb, Croatia:  
*Advancements in Spinal Surgery Technology*

**15:00–16:00 Nurses' Session 2**

Chairpersons: Dusan Vitanovic, Ivona Bakotin, Katalin Király

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- 15:00–15:05 Dragana Hrkać, University Clinical Hospital Mostar, Bosnia and Herzegovina:  
*Advancements in Neurosurgery: Loop X Technology and the Role of Nurses and Technician in Spinal Fixation*
- 15:05–15:10 Ildikó Krizsanyik, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Nursing aspects of complications of thrombectomy*
- 15:10–15:15 Ildikó Krizsanyik, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Care of patients undergoing decompressive craniectomy in the sub-intensive care unit*
- 15:15–15:20 Ágnes Bereczki, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*The use of neuromodulation in the treatment of chronic neuropathic pain after spine surgery, nursing aspects*
- 15:20–15:25 Szabina Fetter-Tenk, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Disphagia from the nurse's point*
- 15:25–15:30 Vivien Nyilas, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Practical Review and Comparison of DSC and ASL Perfusion Weighted Imaging Techniques*
- 15:30–15:35 Gabriella Reményiné Dohy, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Intra-arterial Chemotherapy in the treatment of retinoblastoma*
- 15:35–15:40 Wièm Mansour, Department of Neurosurgery, Trauma and Burns Center, Ben Arous, Tunisia:  
*Place of Anticoagulation in the Association of Cerebral vein thrombosis and Chronic subdural hematoma : Case Report and Review of the Literature*

**17:00–18:00 Trauma**

Chairmen: Bruno Splavski, Zsolt Kopniczky

- 17:00–17:15 Alexandru Vlad Ciurea,  
Academician Professor doctor, Honorary Member of Romanian Society of Surgery  
Sanador Clinical Hospital, Bucharest, Romania:  
*Multum in Parvo- Glasgow Coma Scale Semicentennarium- Major Step for Globalization in Neurotrauma*
- 17:15–17:30 Bruno Splavski, Dubrovnik General Hospital, Dubrovnik, Croatia:  
*Enduring Effects of the COVID-19 Pandemic on Transforming Traumatic Brain Injury Management: Lessons Learned from Croatian Experience*
- 17:30–17:40 Rasim Skomorac, Cantonal Hospital Zenica, Bosnia and Herzegovina  
*Breaking Barriers in Cranioplasty: 3D Printing in Low and Middle-Income Settings—Insights from Zenica, Bosnia and Herzegovina*
- 17:40–17:50 Jagoš Golubović, Clinical Center of Vojvodina, Serbia:  
*Algorithm of emergency treatment of traumatic brain injury designed through multivariate analysis of prognostic factors*

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- 17:50-17:55 Milena Gebreegziabher Haile, St Pauls Hospital Millennium Medical College, Addis Ababa. Ethiopia:  
*Pediatric traumatic cervicothoracic extradural arachnoid cyst*
- 17:55-18:00 Milena Gebreegziabher Haile, St Pauls Hospital Millennium Medical College, Addis Ababa. Ethiopia:  
*Penetrating intracranial injury through temporal bone with a retained stab: case report*



**Thursday, 10 October 2024  
Magnolia Room**

**9:00–10:30 Plenary Session and Keynote Lectures**

Chairmen: Lóránd Eröss, Ihsan Solaroglu, Péter Banczerowski

- 9:00–9:15 Kenan I. Arnautovic, 1st Vice-President, WFNS  
Semmes-Murphey Clinic, Memphis, TN, USA:  
*Microsurgical resection of tumors in and around brain stem*
- 9:15–9:30 Ihsan Solaroglu - 2<sup>nd</sup> Vice President of SeENS  
Department of Neurosurgery, Koç University, Istanbul, Turkey:  
*Surgical Management of Brainstem Cavernomas*
- 9:30–10:00 Rees Cosgrove  
Brigham and Women's Hospital, Neurosciences Center, Boston, USA  
*MRgFUS for Movement Disorders - Keynote Lecture*
- 10:00–10:30 Robert Reisch  
Hirslanden AG, Zurich, Switzerland  
*How I do it? Technique of subfrontal, supraorbital approach - Keynote Lecture*

**10:30–11:00 Coffee Break**

**11:00–12:30 Neurooncology 2**

Chairmen: Imre Fedorcsák, Stefan Florian

- 11:00–11:10 Álmos Klekner, Department of Neurosurgery, University of Debrecen, Hungary:  
*Effect of Therapy on the Survival Time in Glioblastoma in the Department of Neurosurgery of the University of Debrecen*
- 11:10–11:20 David Nagy, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*The role of amino acid PET CT in primary brainstem tumors*
- 11:20–11:30 Bálint Scheich, Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary:  
*Modern classification of meningiomas – from conventional grading to integrated, comprehensive molecular diagnostics*
- 11:30–11:40 Zsolt Benkő, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Unusually big colloid cysts. Differential diagnosis and strategy*
- 11:40–11:50 Misa Radisavljevic, Clinical Center of Nis, Serbia:  
*A comprehensive review of Glioblastoma multiforme (GBM) in elderly patients: Treatment outcomes, prognostic factors, and future directions*
- 11:50–11:55 Kerima Belhajali, Institut National de Neurologie de Tunis, Tunisia :  
*Brain Metastasis from Testicular Non-seminomatous Germ Cell Tumors (NSGCT)*
- 11:55–12 :00 Kerima Belhajali, Institut National de Neurologie de Tunis, Tunisia:  
*Intracranial Chloroma: A Case Report*
- 12:00–12:05 Malek Bourgou, Institut National de Neurologie de Tunis, Tunisia:  
*Orbital schwannoma: a case report*
- 12:05–12:10 Fatma Ben atig, Institut National de Neurologie de Tunis, Tunisia:

*Intramedullar Glioblastoma: A Case Report*

**12:30–13:30 Lunch**

**13:30–15:00 Skull base**

Chairmen: Gabor Nagy, Ihsan Solaroglu

13:30–13:45 Hakan Emmez, Department of Neurosurgery, Güven Hospital, Ankara, Turkey:  
*Microsurgery for tuberculoma sellae meningiomas*

13:45–13:55 V. Gopal Vinu, Government Medical College, Kottayam, India:  
*Moulded Osteomyofascial Pedicled Split (MOPS) Craniotomy Flap in Reconstruction of Anterior Cranial Fossa Defect*

13:55–14:05 Péter Tóth, University of Pécs, Hungary:  
*Tailored Patient-Specific Skull Base Approaches to Achieve Maximal Resection*

14:05–14:15 Gabor Nagy, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*The indication of combined endoscopic transnasal and transcranial/transorbital surgery of skull base tumors*

14:15–14:25 Gábor Forgács, Semmelweis University, Department of Otorhinolaryngology, Head and Neck Surgery; Budapest, Hungary:  
*Challenges in Surgical Repair of Endoscopic Cerebrospinal Fluid Leakage*

14:25–14:35 Barnabás Horváth, Department of Otorhinolaryngology, Head and Neck Surgery, Bajcsy-Zsilinszky Hospital, Budapest, Hungary:  
*The Impact of Multidisciplinary Decision-Making on Clival and Paraclival Lesions*

14:35–14:45 Tibor Szalóki, Department of Otorhinolaryngology, Head and Neck Surgery, Semmelweis University Budapest, Hungary:  
*Indication of endoscopic transnasal medial orbital and optic nerve decompression*

14:45–14:50 Alberto Consuegra, Centre for Endoscopic and Minimally Invasive Neurosurgery, Klinik Hirslanden Zurich, Switzerland:  
*Surgical resection of large clival chordomas. The mononostril, binostril and combined transnasal / transcranial approaches.*

14:50–14:55 Alberto Consuegra, Centre for Endoscopic and Minimally Invasive Neurosurgery, Klinik Hirslanden Zurich, Switzerland:  
*The tailored concept in the minimally invasive, transnasal endoscopic surgery*

14:55–15:05 Fruzsina Tichov, Budapest University of Technology and Economics:  
*Use of AI in the process of designing tailored cranial implants - From CT to 3D printing*

**15:00–15:30 Coffee Break**

**15:30–17:45 Spine 3**

Chairmen: Rasim Skomorac, Róbert Veres

15:30–15:45 Michael Spyrou, Blue Cross Medical Center. Pafos, Cyprus:  
*Conceptual approach to spine surgery*

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- 15:45–16:00 Matjaž Voršič, University Clinical Center Maribor, Slovenia:  
*The importance of the cervical sagittal balance in ACDF procedures on postoperative neck pain*
- 16:00–16:10 Róbert Veres, Department of Neurosurgery, University of Szeged, Hungary  
*Recent Thoraco-Lumbar osteoporotic fractures management*
- 16:10–16:20 Árpád Viola, Dr. Jenő Manninger Trauma Centre, Budapest, Hungary:  
*Microscope assisted minimally invasive anterior submandibular retropharyngeal keyhole approach for C1-C2 pathologies - a new technic*
- 16:20–16:30 V. Gopal Vinu, Government Medical College, Kottayam, India:  
*Anterior Retropharyngeal approach to fixation of atlanto axial Joints An experience*
- 16:30–16:40 György Berényi, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Treatment of lumbar disc herniation with unilateral biportal endoscopic technique: clinical experience and early results.*
- 16:40–16:50 Benjámín Hajnal, National Center for Spinal Disorders, Budapest, Hungary:  
*New Method to Apply the Lumbar Lordosis of Standing Radiographs to Supine CT-based Virtual 3D Lumbar Spine Models*
- 16:50–17:00 Ghassen Gader-Wiem Mansour, Trauma and Burns Center, Department of Neurosurgery:  
*Surgical Management of Degenerative Scoliosis in a Neurosurgical Department: Analysis of a Series of 15 Patients*
- 17:00–17:05 Mohammad W. Al-Smadi, Dr. Jenő Manninger Trauma Centre, Budapest, Hungary:  
*Enhanced Precision and Safety in Thermal Ablation: O-Arm Cone Beam Computed Tomography with Magnetic Resonance Imaging Fusion for Spinal Column Tumor Targeting*
- 17:05–17:10 Máté Nagy, Dep. of Neurosurgery University of Pécs, Hungary:  
*Relief of degenerative scoliosis-induced back and lower extremity pain with spinal cord stimulation in polymorbid patients*
- 17:10–17:15 Mohammad W. Al-Smadi, Dr. Jenő Manninger Trauma Centre, Budapest, Hungary:  
*Percutaneous Superimposed O-Arm-MRI-Navigated Biopsy for Spinal Column Pathologies*
- 17:15-17:25 Stefan Stavrevski, Faculty of Medicine, Medical University, "Prof.Dr. Paraskev Stoyanov", Varna, Bulgaria:  
*Percutaneous stabilization of a fractured vertebrae in an adult patient with ankylosing spondylitis: Case report*
- 19:00-22:00 Congress Dinner – optional  
Budapest Boat**

**Thursday, 10 October 2024  
Jázmin 1 Room**

**11:00–12:30 Spine 2**

Chairmen: Péter Banczerowski, Djula Djilvesi

- 11:00–11:15 Djula Djilvesi, Clinic for Neurosurgery, Clinical Centre of Vojvodina, University of Novi Sad, Serbia:  
*Pre-treatment patients' expectations and factors affecting outcome of degenerative lumbar disease surgery*
- 11:15–11:25 Péter Banczerowski, Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary:  
*New possibilities in spinal surgery: The way to the robotic surgery*
- 11:25–11:35 Áron Lazáry, National Center for Spinal Disorders, Budapest, Hungary:  
*Superior gluteal artery perforator flap for the soft tissue reconstruction after resection of sacral tumors*
- 11:35–11:45 Jani Puhakka, Schulthess Klinik, Zurich, Switzerland:  
*Objective Measurement of Perioperative Activity in Patients Undergoing Single-Level Surgery of the Lumbar Spine Using Smartphone Sensor Data*
- 11:45–11:55 Ferenc Misik, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Treatment options for patients with spondylodiscitis and changes in their quality of life*
- 11:55–12:05 Máté Nagy, Dep. of Neurosurgery University of Pécs, Hungary:  
*Treatment of lower extremity and axial pain with spinal cord stimulation: long-term experiences in Pécs*
- 12:05–12:15 Ágoston Jakab Pokorni, National Center for Spinal Disorders, Budapest, Hungary:  
*Comparison of anterior column reconstruction techniques after en bloc spondylectomy: a finite element study*
- 12:15–12:25 Filip Vrban, University Hospital "Sestre Milosrdnice", Zagreb, Croatia:  
*Complex anterior cervical discectomy and fusion – beginner experience*

**13:30–15:00 Neuroradiology**

Chairmen: Miklós Marosfői, Péter Várallyay

- 13:30–13:45 Miklós Marosfői, Good Samaritan University Hospital, New York, USA:  
*The role of optical coherence tomography imaging in neurointervention*
- 13:45–14:00 Péter Várallyay, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Spinal CT- or MR-angiography can reliably detect the feeding level of spinal dural arteriovenous fistulas*
- 14:00–14:10 Péter Várallyay, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Qualitative Results of Recently Introduced Functional MRI Studies at the Department of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary*

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- 14:10–14:20 Gábor Szudi, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Critical Role of Acquisition and Postprocessing in fMRI Language Mapping*
- 14:20–14:30 Kinga Pozsár, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Enhancing Preoperative Planning and Surgical Outcomes with Diffusion Tensor Imaging (DTI): A Case Series Analysis*
- 14:30–14:40 Georgina Gáti, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Imaging characteristics of pineal region tumours*
- 14:40–14:50 Eszter Vraukó, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Haemangioblastoma Presenting with Acute Subarachnoid Haemorrhage – The importance of Differential Diagnosis, A Case Report*
- 14:50–15:00 Eszter Gerencsér, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Hemangioma of the Cavernous Sinus - Case Report of a Rare Entity*
- 15:30–17:45 Pediatric Neurosurgery**  
Chairmen: Alexandru Vlad Ciurea, Balazs Markia
- 15:30–15:45 Alexandru Vlad Ciurea, Sanador Clinical Hospital, Bucharest, Romania:  
*Intracranial aneurysms in children, an experience of 51 cases (multicenter study)*
- 15:45–16:00 Balázs Markia, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*A Prospective Randomised Trial on the Management of Post Haemorrhagic Hydrocephalus*
- 16:00–16:10 Tamás Mezei, Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary:  
*Fractal analysis of childhood cerebellar tumors*
- 16:10–16:20 Renáta Kiss-Miki, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
Proton or Photon? Comparison of Survival and Toxicity of Two Radiotherapy Modalities among Pediatric Brain Cancer Patients: A Systematic Review and Meta-Analysis
- 16:20–16:30 Ghassen Gader/ Wièm Mansour, Trauma and Burns Center, Department of Neurosurgery, Ben Arous, Tunisia:  
*Pediatric Glioblastoma: Analysis of an 18-Case Surgical Series*
- 16:30–16:40 Wièm Mansour, Department of Neurosurgery, Trauma and Burns Center, Ben Arous, Tunisia:  
*Pediatric pilocytic astrocytomas of the posterior fossa: study of a surgical series of 28 cases*
- 16:40–16:50 Gábor Fekete, Department of Neurosurgery, University of Debrecen, Hungary:  
*Surgical Treatment of Optic Pathway Gliomas*
- 16:50–17:00 Bader Obeidat, Obeidat Clinics, Amman, Jordan:  
*Pediatric lumbar disc herniation(A case series on diagnosis and management)*

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17:00–17:10 Dominik Iván, Department of Neurosurgery, Clinical Centre, University of Pécs,  
Hungary:  
*CSF Overproduction Causing Internal Body Cavity Distension: Choroid Plexus  
Hyperplasia-Induced Anomalies in Children with VP Shunt*

**Thursday, 10 October 2024  
Jázmin 2 Room**

**11:00–12:30 Vascular 2**

Chairmen: Hakan Emmez, Krešimir Rotim

- 11:00–11:10 Cristina Caterina Aldea, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*The Budapest Subarachnoid Hemorrhage Registry- Lessons Learned and Future Directions*
- 11:10–11:20 Marvin Darkwah Oppong, Department of Neurosurgery and Spine Surgery University Hospital Essen, Germany:  
*Re-evaluation of Risk Factors for Poor Outcome Among Poor-Grade Aneurysmal Subarachnoid Hemorrhage: Enhancing Treatment Decision-Making*
- 11:20–11:30 Csaba Oláh, BAZ County Central and University Teaching Hospital, Miskolc, Hungary:  
*Middle meningeal artery embolization to treat acute epidural hematoma, case report and literature review*
- 11:30–11:40 Hakan Emmez, Department of Neurosurgery, Güven Hospital, Ankara, Turkey:  
*Radiosurgery for deep seated AVM's*
- 11:40–11:50 Csaba Oláh, BAZ County Central and University Teaching Hospital Miskolc, Hungary:  
*Vertebral artery dissection during traumatic injury of the cervical spine, two case reports*
- 11:50–12:00 Henriette Mészáros, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Female sex is an independent mortality reducing factor in patients treated with endovascular stroke therapy for cerebral large vessel occlusion in a single high-volume centre*
- 12:00–12:10 Gábor Lenzsér, Department of Neurosurgery, University of Pécs, Hungary:  
*Middle meningeal artery embolisation for chronic subdural hematomas in surgically high risk patients due to hematological malignancies*
- 12:10–12:20 Mohammad W. Al-Smadi, Dr. Jenő Manninger Trauma Centre, Budapest, Hungary:  
*A Microsurgical Arteriovenous Malformation Model on the Saphenous Vessels in the Rat*

**13:30–15:00 Periphery**

Chairmen: László Novák, Lukas Rasulic

- 13:30–13:45 Lukas Rasulic, Faculty of Medicine, University of Belgrade Clinic for Neurosurgery, University Clinical Center of Serbia  
*Brachial plexopathy due to the oncological radiation treatment related to malignancy?*
- 13:45–13:55 Slavko Djuraskovic, Clinical Center of Montenegro, Clinic of Neurosurgery, Podgorica, Montenegro  
*Functional Recovery after Surgical Treatment of the Radial Nerve injury*

**The Scientific Committee reserves the right to make changes as seems necessary.**

- 13:55–14:05 Andrija Savić, Clinic for Neurosurgery, University Clinical Centre of Serbia, Belgrade:  
*Distal Nerve Transfers: Impact on Functional Outcome and Quality of Life*
- 14:05–14:15 Aleksandra Stojiljkovic, Clinic for Neurosurgery, University Clinical Centre of Serbia, Belgrade:  
*Functional Outcomes and Quality of Life Following Surgical Treatment for Isolated Median Nerve Injuries: A Retrospective Study*
- 14:15–14:25 Aleksa Mičić, Clinic for Neurosurgery, University Clinical Centre of Serbia, Belgrade:  
*Preoperative Evaluation in Peripheral Nerve Surgery*
- 14:25–14:35 Andrija Savić, Clinic for Neurosurgery, University Clinical Centre of Serbia, Belgrade:  
*Perioperative Complications of Peripheral Nerve Surgery*
- 14:35–14:45 Andrija Savić, Clinic for Neurosurgery, University Clinical Centre of Serbia, Belgrade:  
*Strategies in Brachial Plexus Surgery: A Single-Center Experience with Comprehensive Overview*
- 14:45–14:55 Andrija Savić, Clinic for Neurosurgery, University Clinical Centre of Serbia Belgrade:  
*The Challenges and Further Perspectives in Peripheral Nerve Tumor Surgery*
- 16:00–17:00 Company symposia**  
Chairmen: Loránd Erőss, László Sipos
- 16:00–16:15 David Miles, ZAP Surgical Systems:  
*ZAP-X Gyroscopic Radiosurgery*
- 16:20–16:35 Sándor Nardai, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Intracranial aneurysm treatment with Stryker Surpass Evolve flowdiverter sponsored by Vascular Venture Kft.*
- 16:40–16:55 Roberto Stefani, Neurosurgical Department Legnano Hospital, Milan, Italy:  
*Freestyle cranial surgery cases with Orbital Camera System*



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**Thursday, 10 October 2024  
Boróka 1 Room**

**17:30–18:30 SeENS EC Meeting**

**Boróka 2 Room**

**17:30–18:30 MIT Board Meeting**

**Friday, 11 October 2024  
Magnolia Room**

**9:00–10:00 Keynote Lectures**

Chairmen: Loránd Eröss, Stefan Florian

9:00–9:30 Dezső Jeszenszky, Schulthess Klinik, Zurich, Switzerland:  
*Surgical treatment of recurrent cervical chordomas*

9:30–10:00 Michael Bruneau, University Hospital Brussels, Belgium:  
*Surgical approaches to anterior-midline meningiomas*

**10:00–12:30 Radiosurgery and Functional**

Chairmen: Loránd Eröss, Kostas Fountas

10:00–10:15 Kostas Fountas, University of Thessaly, Volos, Greece  
*Open vs. Closed Loop Stimulation in Medically Refractory Epilepsy, Temporal Lobectomy Complications*

10:15–10:30 Loránd Eröss, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Treating Neuropathic Facial Pain with Gasserian Ganglion Stimulation*

10:30–10:40 Manjul Tripathi, Post Graduate Institute of Medical Education and Research, Chandigarh, India:  
*Complications of Stereotactic Radiosurgery: The Dark Side of the Moon*

10:40–10:50 Marcell Nagy, Neurosurgery Clinic of Debrecen, Hungary:  
*Outcomes of Stereotactic Radiosurgical treatment for Glomus Jugulare Tumors : a single center study of 49 cases*

10:50–11:00 Daniel Fabó, Epilepsy Unit, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Epileptiform discharges in the anterior thalamus of epilepsy patients*

11:00–11:10 Virág Magvasi, Medical School, Department of Neurosurgery, University of Pécs, Hungary  
*AI-assisted Contouring of Metastatic Lesions on Brain MRI*

11:10–11:20 László Halász, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Predicting Sensory Outcomes with Machine Learning in Deep Brain Stimulation*

11:20–11:30 Botond Ágoston Eröss, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Probabilistic tractography plays a vital role in guiding lead placement for deep brain stimulation (DBS) in individuals with essential tremor.*

11:30–11:40 Gabriella Miklós, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Sensory-Substitution-Based Perception Interface Using Spinal Cord Stimulation Applied for Hearing Aid*

11:40–11:50 Tomaz Smigoc, UMC Maribor, Slovenia:  
*Long-term effects and complications of the SCS operations*

**The Scientific Committee reserves the right to make changes as seems necessary.**

- 11:50–12:00 Bálint Kolumbán, Department of Neurosurgery, Clinical Centre, University of Pécs, Hungary:  
*Implementation of Stereotactic EEG in Pécs Clinical Centre: technique and results*
- 12:00–12:10 Bálint Kolumbán, Department of Neurosurgery, Clinical Centre, University of Pécs:  
*A 3D surface integral based accuracy metric for stereotactic EEG electrode implants and case study*
- 12:10–12:20 Loránd Erőss, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Early Experience with Robot-Assisted Cysto-Ventriculostomy*
- 12:20–12:30 Tomaz Smigoc, UMC Maribor, Slovenia:  
*Is there still a role for Percutaneous Balloon Compression in the treatment of Trigeminal Neuralgia?*
- 12:30–13:00 Awards Ceremony & Closing**

**Friday, 11 October 2024  
Jázmin 1 Room**

**10:00–12:30 Varia 1**

Chairmen: Péter Várady, Sándor Czirják

- 10:00–10:15 Dóra Szabó, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*The Role of Microbiota-Gut-Brain Axis in Neurological Diseases*
- 10:15–10:30 Rasim Skomorac, Cantonal Hospital Zenica, Bosnia and Herzegovina:  
*Breaking Barriers in Cranioplasty: 3D Printing in Low and Middle-Income Settings—Insights from Zenica, Bosnia and Herzegovina*
- 10:30–10:40 Marton Bartos, Semmelweis University, Károly Rácz Doctoral School of Clinical Medicine, Budapest, Hungary:  
*Introduction of a new 3D printing technology at the point-of-care*
- 10:40–10:50 Tomaz Velnar, University Medical Centre Ljubljana, Slovenia:  
*New isolation protocol of human astrocytes from brain*
- 10:50–11:00 Botond Ágoston Erőss, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Investigating the Neuroprotective Role of Sigma-1 Receptor in DMT Mechanism of Action Using an MCAO Model in C57BL/6 and Sigma-1 Receptor Knockout Mice*
- 11:00–11:10 Mikael Aseged Shimekit, Debre Berhan University, North Shewa, Amhara, Ethiopia:  
*Cartilage within Lipomyelomeningocele and Ulnar longitudinal deficiency syndrome as VACTERL association, alliance in SHH/GLI3 and Wnt pathway, illustrative case with review of literature*
- 11:10–11:20 Ondřej Bradáč, FN Motol, Praha, Czech Republic  
*Clinical improvement after shunt surgery in idiopathic normal pressure hydrocephalus patients can be quantified by diffusion tensor imaging*
- 11:20–11:30 Mate Pal Bago, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Investigation of the effect of N,N-Dimethyltryptamine on the blood brain barrier in experimental stroke*
- 11:30–11:40 Dorottya Juhász, University of Debrecen, Hungary:  
*Augmented Reality and “non-rigid navigation” in neurosurgery*
- 11:40–11:50 Alen Rončević, Department of Neurosurgery, University Hospital Center Osijek, Croatia; Faculty of Medicine, J.J. Strossmayer University of Osijek, Croatia:  
*Increased Utility of Telemedicine in Neurosurgery - The COVID-19 Effect*

**Friday, 11 October 2024  
Jázmin 2 Room**

**10:00–12:30 Varia 2**

Chairmen: István Nyáry, Ibrahim Omerhodžić

- 10:00–10:15 Marko Samardzic, Clinical Center Zemun, Belgrade, Serbia:  
*Normal Pressure Hydrocephalus complication after shunt surgery: Single center experience*
- 10:15–10:25 László Entz, MIND Clinic, Budapest, Hungary:  
*The role of neuroendoscopy in the evacuation of non-liquid chronic subdural hemorrhage*
- 10:25–10:35 József Kelemen, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*Early anticoagulation after life threatening brain haemorrhage*
- 10:35–10:45 Fahrudin Alic, Cantonal Hospital Zenica, Bosnia and Herzegovina:  
*Audit and breakthrough into classification, treatment and prognosis of pediatric embryonal brain tumors: the era of molecular targeted therapy*
- 10:45–10:55 Vojin Kovacevic, Department of Surgery, Faculty of Medical Sciences, University of Kragujevac, Serbia / Clinical Centre of Kragujevac, Kragujevac, Serbia:  
*Microvascular Decompression as Treatment Option for Trigeminal Neuralgia - Single Centre Early Experience and Learning Curve*
- 10:55–11:05 Alperen Kaya, Istanbul University-Cerrahpasa, Cerrahpasa Faculty of Medicine, Turkey:  
*Serum Levels of Visinin-Like Protein-1, Caveolin-1 and Neuron-Specific Enolase after Supratentorial Glioma Resection: A Pilot Study*
- 11:05–11:15 Ioan-Alexandru Florian, Iuliu Hațieganu University of Medicine and Pharmacy, Cluj, Romania:  
*Interlayer Dural Split Technique: A Novel Approach to Chiari I Malformations*
- 11:15–11:25 Kristóf Gácsi, Albert Szent-Györgyi Medical School, Department of Anatomy, Histology and Embryology, University of Szeged, Hungary:  
*Novel visualization of skull base surgical approaches based on human cadaver*
- 11:25–11:35 András Czigler, Department of Neurosurgery, Medical School, University of Pécs, Hungary:  
*Improving Diagnostic Accuracy for Normal Pressure Hydrocephalus with Lumbar Infusion Test and Quantitative Gait Analysis*
- 11:35–11:45 Nenad Koruga, UHC Osijek, Croatia:  
*Impact of neurotropic viruses on development of glioblastoma*

## POSTERS

### Varia

Andras Csokay, St.Charles Borromeo Hosp. Nigeria, Onitsha, Szent Lázár Hospital. Salgótarján:  
*Role of Fresh Cadaver Practice and Jesus and Rosary Prayers on Daily Base in Innovations of Neurosurgery*

Johanna Petra Szabó, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:

*Intracortical mechanisms of after-discharges elicited by intracranial 50 Hz stimulation of epileptic patients*

Lídia Petra Molnar, University of Pécs, Hungary:

*Periodontopathogen Bacteria May Contribute to Delayed Cerebral Ischemia in aSAH Patients*

Wièm Mansour, Department of Neurosurgery, Trauma and Burns Center, Ben Arous, Tunisia:

*Whipple Disease Presenting as Cystic Brain Tumor: Case Report and Review of the Literature*

Kerima Belhajali, Institut National de Neurologie de Tunis, Tunisia:

*Cerebral Amoebiasis : An Exceptional Cerebral Abscess*

Fatma Ben atig, Institut National de Neurologie de Tunis, Tunisia:

*Rosai Dorfmann Disease : A Case Report*

Nikolaos Syrmos, Aristotle University of Thessaloniki, Greece:

*Combination of Tramadol and Paracetamol as a Treatment of Chronic Back Pain in Middle Age People*

### Pediatric neurosurgery

Dominik Iván, Department of Neurosurgery, Clinical Centre, University of Pécs, Hungary:

*Vacuum Elevation as an Effective Treatment for Ping-Pong Fractures in Children*

Ghassen Gader, Trauma and Burns Center, Department of Neurosurgery, Ben Arous, Tunisia:

*Spinal dermoid cyst: a case report*

Ghassen Gader, Trauma and Burns Center, Department of Neurosurgery, Ben Arous, Tunisia:

*Congenital Glioblastoma: A Rare Neonatal Neurosurgical Emergency*

Fatma Ben atig, Institut National de Neurologie de Tunis, Tunisia:

*Solitary Cerebral plasmacytoma in a Child Patient : a case report*

Kerima Belhajali, Institut National de Neurologie de Tunis, Tunisia:

*Primary Aneurysmal Bone Cyst of The Thoracic Spine: A Pediatric Case report*

Kerima Belhajali, Institut National de Neurologie de Tunis, Tunisia:

*Primary Intracranial Neuroblastoma in a 3 Year-Old Child*

Wièm Mansour, Department of Neurosurgery, Trauma and Burns Center, Ben Arous, Tunisia:

*Transanal Protrusion of Ventriculoperitoneal Shunt in the setting of Appendicitis*

Fatma Ben atig, Institut National de Neurologie de Tunis, Tunisia:

*Cranial vault chordoma: a case report*

### Spine

Ghassen Gader, Trauma and Burns Center, Department of Neurosurgery, Ben Arous, Tunisia:

*Lumbar Plasmacytoma Mimicking Discogenic Sciatica: A Case Report*

Mikael Aseged Shimekit, Debre Berhan University, North Shewa, Amhara, Ethiopia:

*Rostral Migration of Intradural Bullet from Lumbar to Thoracic Spine: Case Report and Review of*

*the Literature*

Malek Bourgou, Institut National de Neurologie de Tunis, Tunisia:  
*Spinal Epidural Hematoma: Therapeutic Challenge*

**Neuroradiology**

Ghassen Gader, Trauma and Burns Center, Department of Neurosurgery, Ben Arous, Tunisia:  
*Intrasellar Chordoma: A difficult preoperative diagnosis*

Mónika Szekeres, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
Diagnostic Significance of Contrast-Enhanced Fluid-Attenuated Inversion Recovery Sequence in Imaging Intracranial Pathologies

Anita Andrassy, Department of Neurosurgery and Neurointervention, Semmelweis University, Budapest:  
*fMRI in neurosurgical practice at the Department of Neurosurgery and Neurointervention, Semmelweis University, Budapest*

**Pituitary**

Orsolya Szalmás, Institute of Neurosurgery and Neurointervention, Semmelweis University, Budapest, Hungary:  
*MRI characteristics of pituitary apoplexy*

Carlos Llumiguano, Neurosurgery Department - Hospital General Universitario de Ciudad Real, Spain:  
*Subclinical acromegaly: case report*

Lengyel Balázs Levente, Department of Internal Medicine and Oncology, Semmelweis University, Budapest, Hungary:  
*An Unusual Pituitary-hypothalamic Mass Lesion*

Petra Anna Kurucz, Department of Internal Medicine and Oncology, Semmelweis University, Budapest:  
*Rare Cases of Sellar Region Tumors in Tertiary Endocrine Referral Center*

**Neurooncology**

Nenad Koruga, UHC Osijek, Croatia:  
*A case report of a large intra-abdominal schwannoma*

Tamás Mezei, Institute of Neurosurgery and Neurointervention, Department of Neurosurgery, Semmelweis University, Budapest, Hungary:  
*Multimodal treatment of pineal region tumors*

**Case reports**

Wièm Mansour, Department of Neurosurgery, Trauma and Burns Center, Ben Arous, Tunisia:  
*Controlateral epidural hematoma post decompressive craniectomy: Case report and literature review*

Nikolaos Syrmos, Aristotle University of Thessaloniki, Greece:  
*Presentation of cases of post-traumatic amnesia*

**Vascular**

Ririko Takeda, Mizonokuchi Hospital, Teikyo University, Tokyo, Japan:  
*The stability of the metabolic turnover of arachidonic acid in human unruptured intracranial aneurysmal walls is sustained*