

# 7<sup>TH</sup> ANNUAL MEETING OF SERBIAN NEUROSURGICAL SOCIETY with international participation

Joint venture with  
**Southeast Europe Neurosurgical Society**



UNDER THE AUSPICES OF



Ministry of Health  
Republic of Serbia



Ministry of Education, Science and  
Technological Development  
Republic of Serbia

## **Vita brevis, ars longa: Refining the art of neurosurgery**

November 24-25, 2021

*ONLINE EVENT*

EACCME<sup>®</sup>  
12 credits

98<sup>th</sup> Anniversary of  
Neurosurgery in Serbia  
83<sup>th</sup> Anniversary of Clinic for  
Neurosurgery, Clinical center of Serbia

7<sup>TH</sup> ANNUAL MEETING OF SERBIAN NEUROSURGICAL SOCIETY  
with international participation  
**Vita brevis, ars longa: Refining the art of neurosurgery**  
November 24-25, 2021

***7<sup>th</sup> Annual Meeting of Serbian Neurosurgical Society with  
international participation  
“Vita Brevis, Ars longa: Refining the art of neurosurgery”  
November 24-25, 2021***

**OFFICIAL REPORT**

Hosted by the Serbian Neurosurgical Society (SNSS), a joint venture with the Southeast Europe Neurosurgical Society, the 7<sup>th</sup> Annual Meeting gathered together eminent speakers from Serbia, region, continental associations of neurosurgical societies, and the international community.

This year's meeting, yet in the online environment, addressed more than wished comeback to regular activities within neurosurgery, still in times of pandemic worldwide. The global theme of the meeting was *Vita Brevis, Ars longa: Refining the art of neurosurgery* in the era of COVID-19. The Serbian Neurosurgical Society is delighted that its 7<sup>th</sup> Annual Meeting, traditionally organized as a Joint venture with the Southeast Europe Neurosurgical Society, featuring renowned international and national experts, who provided their insights into the impact of the virus on everyday neurosurgical practice in all fields of neurosurgery, thus returning to our essential work with topics such as Vascular, Neuro-oncology, Spine, Trauma, Functional, Peripheral nerve surgery, Skull base, Pediatric. The special sessions were dedicated to Global neurosurgery and papers of the young neurosurgeons.

**The Meeting in pictures**

Since the conditions to safely attend the Meeting were not warranted and the health and safety of all attendees, speakers, and staff are of great importance, the 7<sup>th</sup> SNSS Annual Meeting was held electronically.

The Congress was held under the auspices of the Ministry of Health and Ministry of Science, Education and Technological Development, the Republic of Serbia.

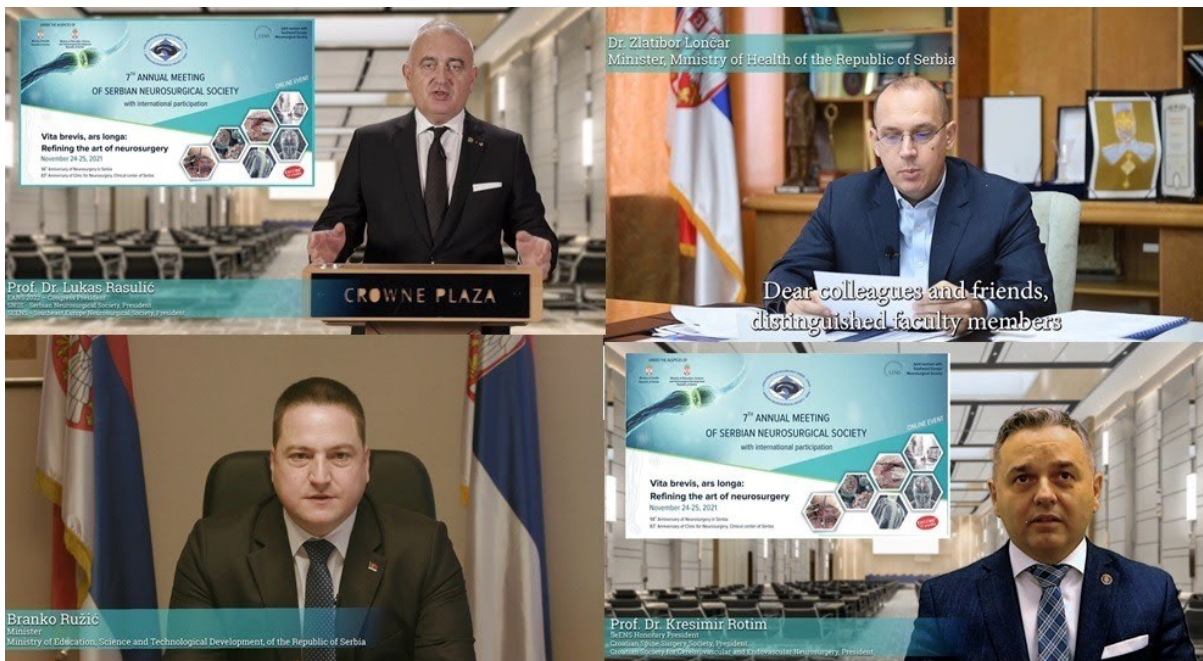
Minister of health, Assist. Prof. Zlatibor Loncar and Minister of Education and Technological Development, Mr. Branko Ruzic, addressed the participants at the Opening ceremony, along with Prof. Rasulic, SNSS, and SeENS President, and Prof. Kresimir Rotim, SeENS Honorary president.

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On November 24<sup>th</sup>, 2021, 6 scientific sessions were held: Skull base 1, Trauma, Global & Education, Spine 1 and 2, Peripheral Nerve surgery, with 44 invited speakers from 20 countries, in total.



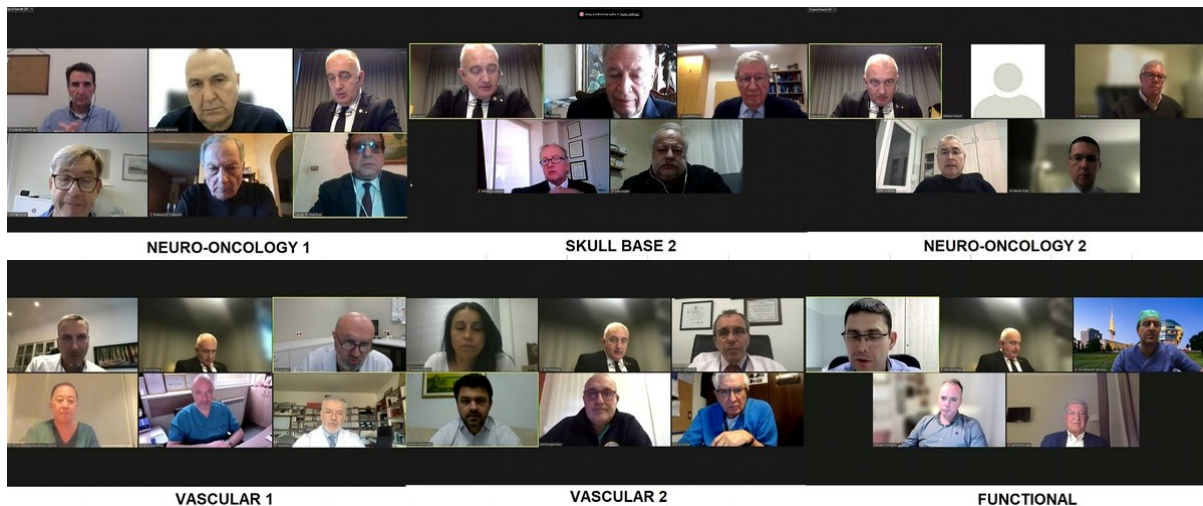
On November 25<sup>th</sup>, 2021, 6 scientific sessions were held: Skull base 2, Neuro-oncology 1 and 2, Vascular 1 and 2, and functional, with 42 invited speakers from 17 countries, in total.

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Traditionally, the session YNS Awards was held. The best 10 papers submitted for the award were presented online by their authors and assessed by a jury of national and international experts.

The quality of papers and presentations was exceptional, so the jury members decided to award 6 authors, instead of three. The awards will be a free registration and accommodation for the following events: EANS 2022 Congress in Belgrade, 8<sup>th</sup> SNSS Annual Meeting with international participation in Belgrade 2022, and SeENS Course "Silk road" in Varna, Bulgaria, 2022.



### The Meeting in numbers

The Congress was attended by a total of 2.443 participants from 87 countries from 5 continents, including faculty, participants, industry partners, and medical students. All received and accepted abstracts, 122 in total, will be published in the Congress Abstract book, and as a supplement in the newly established *The Serbian Journal of Neurosurgery- Neurohirurgija*, the official journal of the Serbian Neurosurgical Society.

The whole program was available via live stream, a 3D platform specially created for this event and broadcasting at the Neurosurgical. Tv.

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The recordings of the Congress are available at:  
November 24<sup>th</sup>, 2021 – [Hall 1](#), [Hall 2](#)  
November 25<sup>th</sup>, 2021 – [Hall 1](#), [Hall 2](#)

### They said after the Meeting

*"Dear Lukas, My big congratulations to your wonderful organization of the meeting. It was my honor to be invited. Once again thank you."*  
Yoko KATO, Japan

*"Thank you, Lucas, for organizing this fantastic mega-event, and for giving me this opportunity to speak on a subject of training and preparing neurosurgeons with soft skills of situational awareness, rather than developing only technical skills"*  
Keki TUREL, India

*"Dear Secretariat SNSS, it was a great honor for me to be part of this important meeting. Congratulations on the great success and best regards to my dear friend, Prof. Lukas Rasulic."*  
Nasser EL-GHANDOUR, Egypt

*"Congratulations Lukas! Great meeting, great organization, and great invited speakers!"*  
Ioan Stefan FLORIAN, Romania

*"Congrats to Lukas and his organizers team! Great Meeting. Strong global participation."*  
Roman BOSNJAK, Slovenia

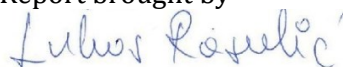
*"Great job! Again, 😊 Congratulations!"*  
Nikolay GABROVSKY, Bulgaria

*"Dear Lucas, congratulations, it was a great meeting!"*  
Peter BANCZEROWSKI, Hungary

### Instead of conclusion

During the Congress, many experiences and ideas were exchanged. An impressive number of attendees, number of speakers, and their importance in the world of neurosurgery, topics, and lectures, have contributed to this event to be evaluated by the participants with the highest grade.

Report brought by



Prof. Dr. Lukas Rasulić, Congress President  
SNSS - Serbian Neurosurgical Society, President  
SEENS - Southeast Europe Neurosurgical Society

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## SCIENTIFIC PROGRAM

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# SCIENTIFIC PROGRAM

## NOVEMBER 24<sup>th</sup>, 2021

*Note: Discussions are included in the duration of presentations (3 minutes each).  
Moderators should not accept violations of presentation time. Speakers should strictly follow the moderator's instructions.  
The agenda is in Central European Time (UTC/GMT + 1 hour)*

### HALL 1

### HALL 2

## 13.00-13.15 WELCOME ADDRESS - OPENING CEREMONY

*Prof. Dr. Lukas Rasulic, Congress President, SNSS President, SeENS President*

*Assist. Prof. Zlatibor Loncar, Minister of Health of the Republic of Serbia*

*Mr. Branko Ruzic, Minister of Education, Science and Technological Development, Republic of Serbia*

*Prof. Dr. Kresimir Rotim, Congress Co-President, Honorary SeENS President*

13.15 -15.10	<b>SESSION SKULL BASE 1</b> Moderator: Kresimir Rotim	13.15 -14.55	<b>SESSION TRAUMA</b> Moderator: Ioan Stefan Florian
13.15-13.40	<b>Preservation and reconstruction of facial nerve in neurosurgery</b> Madjid Samii, Germany	13.15-13.40	<b>Traumatic Brain Injury (TBI) in 21<sup>st</sup> Century Scotland: lessons from health population studies</b> Andreas Demetriades, UK
13.40-13.55	<b>Treatment strategy of petroclival meningioma in the new millenium &amp; our results</b> Basant Misra, India	13.40-13.55	<b>Mild TBI in elderly population</b> Petar Vulekovic, Serbia
13.55-14.10	<b>History of skull base reconstruction in transsphenoidal surgery</b> Paolo Cappabianca, Italy	13.55-14.10	<b>Results of the consensus conference on post-traumatic cranioplasty</b> Corrado Iaccarino, Italy
14.10-14.25	<b>Trend in skull-base neurosurgery "Transformation from complex signature to simple tailored approach"</b> Imad Kanaan, Saudi Arabia	14.10-14.25	<b>Subdural drainage duration after burr hole evacuation of chronic subdural haematoma</b> Kåre Fugleholm, Denmark
14.25-14.40	<b>Management of anterior skull base meningiomas – lessons learned</b> Najia El Abbadi, Morocco	14.25-14.40	<b>Management of neurosurgical intensive patients with post traumatic decompressive craniectomy -TBC</b> Vincenzo Paterno, Germany
14.40-14.55	<b>Posterior fossa meningiomas</b> Marco Fontanella, Italy	14.40-14.55	<b>Contemporary surgical treatment of penetrating brain wound and associated perforating ocular injury sustained by low velocity foreign bodies</b> Bruno Splavski, Croatia
14.55-15.10	<b>The role of Gamma knife in treatment of skull base tumors: literature review!</b> Mohammad Alolama, UAE	14.55-15.25	<b>Industry partner symposium BHS Technologies GmbH RoboticScope®- Rethinking Microscopy in Neurosurgery Michael Santek, CTO, Austria</b>

## 15.10 - 15.25 BREAK

# NOVEMBER 24<sup>th</sup>, 2021

## HALL 1

15.25 - 17.50	<b>SESSION GLOBAL &amp; EDUCATION</b> Moderator: Basant Misra
15.25-15.50	<b>Beyond global neurosurgery: Neurosurgeons and the UN sustainable goal for healthy lives by 2030</b> Russell Andrews, USA
15.50-16.05	<b>Redefining neurosurgery in LMIC. Training is the key.</b> Jesus Lafuente, Spain
16.05-16.20	<b>Medical publishing in neurosurgery (from Editor's perspective)</b> Ben Roitberg, USA
16.20-16.35	<b>Translational research in neurosurgery</b> Ihsan Solaroglu, Turkey
16.35-16.50	<b>Legacies of neurosurgery and its implications on global neurosurgery today</b> Anil Nanda, USA *will be presented by Hai Sun
16.50-17.05	<b>Virtual reality and simulation: new perspectives on neurosurgical training</b> Francesco DiMeco, Italy
17.05-17.20	<b>"Being Aware!": Situational Awareness (SA) and its Importance in Safety and Quality Assurance in Neurosurgery</b> Keki Turel, India
17.20-17.35	<b>Czech and Austrian neurosurgery in COVID time- two nations study</b> David Netuka, Czech Republic
17.35-17.50	<b>Neurosurgical Education and the Impact of COVID-19</b> Nasser El-Ghandour, Egypt

## HALL 2

15.25 - 17.50	<b>SESSION SPINE 1</b> Moderator: Kenan Arnautovic
15.25-15.50	<b>Current concept in minimal invasive spine surgery</b> Kresimir Rotim, Croatia
15.50-16.05	<b>Benefits of navigation in the surgery of spinal tumors</b> Marcel Ivanov, UK
16.05-16.20	<b>Surgical challenges and approaches in addressing transitional segments of the spine</b> Nebojsa Stojanovic, Serbia
16.20-16.35	<b>Biospheres a new technic for the treatment of type A compression fracture</b> Natale Francaviglia, Italy
16.35-16.50	<b>Contemporary Management of Degenerative Scoliosis. Changes over the last decade</b> Goran Pavlicevic, Serbia
16.50-17.05	<b>Three and Four Level ACDF: How I Do It - TBC</b> Ibrahim Omerhodzic, Bosnia & Herzegovina
17.05-17.20	<b>What's new in spinal trauma</b> Claudius Thome, Austria
17.20-17.35	<b>Posterior decompression and "skip" laminectomy</b> Nikolay Velinov, Bulgaria *will be presented by Dr. Petar Ilkov
17.35-17.50	<b>Complications and pitfalls in cervical spine fusion surgery</b> Vojin Kovacevic, Serbia

17.50 - 18.00 BREAK



# NOVEMBER 24<sup>th</sup>, 2021

## HALL 1

### 18.00-19.45 **SESSION PERIPHERAL NERVE SURGERY** Moderator: Christian Heinen

- 18.00-18.15 **Updates in masseteric-facial transfer with intra-temporal translocation after iatrogenic injuries in skull base surgery**  
Stefano Ferraresi, Italy
- 18.15-18.30 **Reviving matrix for treatment of peripheral nerve and spinal cord injuries**  
Shimon Rochkind, Israel
- 18.30-18.45 **Robotic assisted tumor resection for C8-T1 lesions: an interesting case series**  
Line Jacques, USA
- 18.45-19.00 **Ulnar nerve neuropathy at the elbow. Clinical features and indication for surgery**  
Debora Garozzo, UAE
- 19.00-19.15 **Brachial plexus & C-spine: extensible approaches to proximal nerve tumors**  
Thomas Kretschmer, Austria
- 19.15-19.30 **Pudendal nerve entrapment - a neurosurgical matter?**  
Christian Heinen, Germany
- 19.30-19.45 **Posterior interosseous neuropathy: more than just an entrapment**  
Robert Spinner, USA
- 19.45-20.15** Industry partner Symposium  
OncoMed-Solutions GmbH/  
Sineks Medical  
**Next Generation Brain Radiosurgery**  
John Adler, USA

## HALL 2

### 18.00-20.10 **SESSION SPINE 2** Moderator: Andreas Demetriades

- 18.00-18.25 **Computer modeling and artificial intelligence application in the spine biomechanics**  
Nenad Filipovic, Serbia
- 18.25-18.40 **Lumbar spinal stenosis: When to decompress or fuse?**  
Mehmet Zileli, Turkey
- 18.40-18.55 **270 degrees microsurgical decompression of foramen magnum in adult Chiari I patients**  
Kenan Arnautovic, USA
- 18.55-19.10 **Unilateral hemilaminectomy for bilateral decompression in cervical spondylotic myelopathy – radiological, clinical and biomechanical data**  
Veit Rohde, Germany
- 19.10-19.25 **New possibilities in spinal surgery: The way to the robotic surgery**  
Peter Banczerowski, Hungary
- 19.25-19.40 **Spontaneous regression of cervical disc herniation**  
Danilo Radulovic, Serbia
- 19.40-19.55 **Intradural Spinal Tumors: Surgical Considerations and Institutional Experience**  
Tomislav Sajko, Croatia
- 19.55-20.10 **Surgical approaches to low grade lumbar spondylolisthesis**  
Djula Djilvesi, Serbia

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**12.30-13.00 INDUSTRY PARTNER SYMPOSIUM BormiaMed**  
**ADVANCED NEUROENDOSCOPY**  
 Automated & continuous aspiration of tumors and intracerebral hematomas in open microsurgery or endoscopy  
 Our first experience with Nico Myriad  
 Prof. Dr. Roman BOŠNJAK, MD, PhD

**13.00-13.05 WELCOME ADDRESS, Lukas Rasulic, Serbia**

## HALL 1

## HALL 2

**13.05-15.30 SESSION**  
**NEURO-ONCOLOGY 1**  
 Moderator: Nasser El Ghandour

**13.05-15.30 SESSION**  
**VASCULAR 1**  
 Moderator: Selcuk Peker

13.05-13.30 **Microsurgical treatment of third ventricle tumors**  
 Francesco Tomasello, Italy

13.05-13.30 **Recent treatment of aneurysm surgery**  
 Yoko Kato, Japan

13.30-13.45 **Copenhagen Grading for extent of removal of meningioma**  
 Tiit Mathiesen, Denmark

13.30-13.45 **Current management of cerebral aneurysms: Is the clip dead?**  
 Abdessamad El Ouahabi, Morocco

13.45-14.00 **Challenges in the surgical treatment of Brainstem tumors**  
 Miguel Arraez, Spain

13.45-14.00 **Diagnosis and treatment of cranial dural arteriovenous malformations: patient selection for microsurgery and endovascular therapy**  
 Andreas Raabe, Switzerland

14.00-14.15 **Meningiomas - biology and surgery**  
 Miodrag Rakic, Serbia

14.00-14.15 **Evidence and real world of bypass surgery for carotid occlusion**  
 Satoshi Kuroda, Japan

14.15-14.30 **Extra operative cortical stimulation and mapping in glioma surgery**  
 Konstantinos Fountas, Greece

14.15-14.30 **Wisdom in management of giant aneurysms**  
 Eka Julianta Wahjoepramono, Indonesia

14.30-14.45 **Parasagittal meningiomas. Simpson rate of resection and long term recurrence**  
 Apio Antunes, Brazil

14.30-14.45 **Gamma knife radiosurgery for large AVM's**  
 Selcuk Peker, Turkey

14.45-15.00 **Endoport-guided transventricular-transchoroidal endoscopic approach to the posterior third ventricle lesions**  
 Roman Bosnjak, Slovenia

14.45-15.00 **How neurosurgeons should analyze and treat cranial dural arteriovenous shunts**  
 Gerasimos Baltsavias, Germany

15.00-15.15 **Global brain metastases management strategy**  
 Vesna Nikolov, Serbia

15.00-15.15 **Complications in brain aneurysm surgery**  
 Goran Tasic, Serbia

15.15-15.30 **Role of the extent of surgical resection and the molecular immunoprofile of high grade gliomas on prediction of clinical outcome and overall survival**  
 Aleksandar Caparoski, North Macedonia

15.15-15.30 **Robotics in Neurosurgery - Challenge and Opportunity**  
 Nikolay Gabrovsky, Bulgaria

**15.30 - 15.45 BREAK**

# NOVEMBER 25<sup>th</sup>, 2021

## HALL 1

15.45-17.40	<b>SESSION SKULL BASE 2</b> Moderator: Amir Samii
15.45-16.10	<b>Principles of surgery in functioning pituitary microadenomas</b> Rudolph Fahlbusch, Germany
16.10-16.25	<b>Hydrocephalus in skull base tumors: Advantages of ICP waveform monitoring</b> Tito Arcadio Perilla Cepeda, Colombia
16.25-16.40	<b>The problems with insufficient surgery with skull base tumors</b> William Couldwell, USA
16.40-16.55	<b>Surgical approaches to anterior midline skull base meningiomas</b> Michaël Bruneau, Belgium
16.55-17.10	<b>Skull base approaches to minimize approach-related morbidity for brain stem lesions</b> Maurizio Iacoangeli, Italy
17.10-17.25	<b>The pre-foramen magnum region: Neurosurgical perspective</b> Sukru Caglar, Turkey
17.25-17.40	<b>Preservation and reconstruction in cerebellar-pontine angle surgery</b> Alessandro Olivi, Italy

## HALL 2

15.45-17.40	<b>SESSION VASCULAR 2</b> Moderator: Tomislav Sajko
15.45-16.10	<b>Management of Intracerebral hematomas in Argentina. Mistie's trial</b> Claudio Yampolsky, Argentina
16.10-16.25	<b>Modern treatment of brain arteriovenous malformations</b> Antonino Germano, Italy
16.25-16.40	<b>Beyond the standards. 20-year experience of neurosurgical treatment of cerebral ischemia</b> Vasily Lukshin, Russia
16.40-16.55	<b>The multimodal treatment of intracranial AVM's – microsurgery, embolization and GKS - quality of life and global outcome</b> Alexandru-Vlad Ciurea, Romania
16.55-17.10	<b>Strategies to enhance working space during early aneurysm surgery</b> Giacomo Pavesi, Italy
17.10-17.25	<b>Pathogenesis of brain AVMs</b> Anastasia Tasiou, Greece

17.40 - 17.55 BREAK

# NOVEMBER 25<sup>th</sup>, 2021

## HALL 1

17.55-19.50	<b>SESSION NEURO-ONCOLOGY 2</b> Moderator: Petar Vuleković
17.55-18.20	<b>Surgical approaches to focal low grade gliomas of the brain stem in children</b> Frederick Boop, USA
18.20-18.35	<b>Surgical approach to pediatric thalamic tumors</b> Memet Ozek, Turkey
18.35-18.50	<b>Pineal region tumors - a personal perspective</b> Ioan Stefan Florian, Romania
18.50-19.05	<b>Novel asleep techniques for intraoperative assessment of brain connectivity in brain tumor surgery</b> Francesco Sala, Italy
19.05-19.20	<b>Contribution of the meta-networking theory of brain functions to a connectome-based surgery for low- grade glioma</b> Hugues Duffau, France
19.20-19.35	<b>Midbrain gliomas</b> Ugur Ture, Turkey
19.35-19.50	<b>Surgery for brain stem hemangioblastomas</b> Sanjay Behari, India
19.50-20.20	<b>Industry partner symposium Boston Scientific/Vicor Deep Brain Stimulation combined with Radio-frequency Lesioning</b> Ali Savas, Turkey

## HALL 2

17.55-19.35	<b>SESSION FUNCTIONAL</b> Moderator: Djula Djilvesi
17.55-18.20	<b>Neurobionic solutions for hearing restoration in neurosurgery</b> Amir Samii, Germany
18.20-18.35	<b>Functional imaging of the brain in Neurosurgery</b> Nicolas Foroglou, Greece
18.35-18.50	<b>Endoscope-assisted microvascular decompression for hemifacial spasm – technique and outcome</b> Henry Schroeder, Germany *will be presentd by Ehab El Refaee
18.50-19.05	<b>Surgical treatment of tremor: from lesion back to lesion</b> Giovanni Broggi, Italy
19.05-19.20	<b>Management of Dandy’s vein during Microvascular Decompression: Avoiding complications</b> Harjinder Bhatoo, India
19.20-19.35	<b>Intraoperative campimetry in awake glioma patients</b> Pablo González-López, Spain

19.35 - 19.50 BREAK

19.50-20.50	<b>SESSION YNS AWARDS</b> The best 10 papers submitted for the award will be presented online by their authors and assessed by a jury of national and international experts. Jury: Ihsan Solaroglu, Francesco Sala, Petar Vulekovic, Tomislav Sajko, Ibrahim Omerhodzic
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20.50 - 21.00 CLOSING REMARKS



## CONTACT

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### SNSS & SeENS

Technical support and organization



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marine:



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