



SECOND ANNOUNCEMENT
& PRELIMINARY PROGRAM

5th ANNUAL MEETING of Serbian Neurosurgical Society

SNSS Annual meeting 2019 with international participation

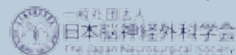
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96th Anniversary
of Neurosurgery
in Serbia

81th Anniversary
of Clinic for
Neurosurgery,
Clinical center
of Serbia

35th Anniversary
of Department of
Neurosurgery, Clinical
center of Kragujevac

Joint Venture with
EANS Section for Vascular Neurosurgery
HUNGARIAN Neurosurgical Society and
JAPAN Neurosurgical Society,
Section for Vascular Neurosurgery



Organized by
Serbian Neurosurgical Society
in conjunction with
**Croatian Society for Cerebrovascular
and Endovascular Neurosurgery**
Joint meeting with
Southeast Europe Neurosurgical Society



NEUROVASCULAR SUPERSESSIONS:

Exo? Endo? Hybrid?
Quo vadis?

October 24th - 27th 2019
Kragujevac, Serbia

Venue: Hotel Sumarice, Kragujevac

www.vascularneuro.talkb2b.net

20 BEST
ABSTRACTS
GRANTS

Discounts
available for
EANS Individual
Members!



WELCOME ADDRESSES

Dear colleagues and friends,

It is my honor, privilege and pleasure to invite you to the upcoming **5th Annual Meeting of Serbian Neurosurgical Society** with international participation **“Neurovascular supersessions: Exo? Endo? Hybrid? Quo vadis?”** which will be held in **Kragujevac, Serbia, on October 24th-27th, 2019.**

We are pleased that the 5th Annual Meeting of Serbian Neurosurgical Society will be held as a joint venture with **EANS Section for Vascular Neurosurgery, Hungarian Neurosurgical Society** and **JAPAN Neurosurgical Society, Section for Vascular Neurosurgery**, in conjunction with **Croatian Society for Cerebrovascular and Endovascular Neurosurgery** and **Southeast Europe Neurosurgical Society.**

Cerebrovascular diseases represent the second most common cause of the mortality and morbidity. Vascular neurosurgery, as an area that includes surgical treatment of aneurysms, arteriovenous malformations (AVM), cavernous angiomas and other vascular pathological brain formations, requires a combination of decision making process, intensive care, microsurgical skills and advanced surgical technologies. Successful treatment of brain vascular anomalies has always been a challenging venture for which it is necessary to use a multidisciplinary approach and a multidisciplinary team of experts.

Serbian Neurosurgical Society is delighted that The Fifth Annual Meeting of Serbian Neurosurgical Society will feature renowned international and national experts from the field of vascular neurosurgery, who will gather together in Kragujevac, in order to

improve the quality of neurosurgical service and education today, for the sake of a better tomorrow.

Thereby we are also marking three important anniversaries 96 years since the founding of neurosurgery in Serbia, 81 years of the Clinic of Neurosurgery at the Clinical Center of Serbia and 35 years of the Department of Neurosurgery, Clinical Center of Kragujevac.

In many ways the city of Kragujevac can be called “the first in Serbia” - it was the first capital of the modern Serbian state and the first gymnasium and the lyceum, the forerunner of the University of Belgrade, were founded in this beautiful city, as well as the first court, theater, newspaper, pharmacy, picture gallery, museum and library.

The host city of Kragujevac is a significant economic, cultural, educational and health center of Sumadija and it is well known for its hospitality. I am confident that this event will open new perspectives and result in a memorable mind and soul enriching interpersonal and interpersonal exchange.

It is my great pleasure to invite you to share your expert opinions and perspectives and participate in this event.

Lukas Rasulic

**Prof. Dr
Lukas Rasulic**

Honorary President
of the Meeting
President of the SNSS
President of the SeENS



Dear colleagues and friends,

It is a pleasure and honor to welcome you to this joint **Neurovascular Session** within the **5th Annual Meeting** of our Serbian Neurosurgical friends. Lukas Rasulic has made a great effort to gather a renowned international faculty to discuss the presence and future of Neurovascular Surgery.

The topic is timely since Europe has to address important topics in this field.

Should Neurosurgeons engage into Endovascular therapies or should they leave the field to Interventionlists?

Which cases will remain for Open Microsurgery and how can we train the future generation?

What are the clinical and academic fields in the future where Neurovascular Surgeons should engage additional to the classic ones?

I am convinced that many of these questions will be addressed successfully and I sincerely hope to see you at this meeting.

**Prof. Dr.
Peter Vajkoczy**
Honorary President
of the Meeting
Chair of the EANS
Vascular Section



Dear Colleagues,

It is a great honor for the Vascular Section of the Hungarian Neurosurgical Society to be invited to the 5th Annual Meeting of the Serbian Neurosurgical Society.

On behalf of the Head of our Vascular Section, Professor István Szikora, as well as the Community of the Hungarian Neurosurgeons I warmly welcome you all to this event.

One of the most important topics for the Neurosurgical Community worldwide is vascular neurosurgery; future developments in this field will absolutely define the path our profession will follow.

The decision on individual care for a patient as well as the those on institutional investments, structure of clinical care for vascular diseases are burning issues that shape up the future of global neurosurgery.

It is my strong belief that this meeting not only will help to improve our knowledge and skills but also to expand our involvement in the field of the treatment of neurovascular diseases covering the whole spectrum of ischemic and hemorrhagic stroke as well as preventive interventions.

The prestigious faculty invited and the reputation of our hosts will guarantee a prosperous, important and significant meeting!

Hope to see you soon in Serbia!

**Prof. dr
Andras Buki**
President of the
Hungarian
Neurosurgical
Society



Dear Colleagues,

On behalf of Japanese Neurosurgical Society, it is a great honor for our team to join the meeting in Kragujevac, Serbia. Because of a good historical relationship between two countries, we would like to continue support for the every aspects of neurosurgery as we can.

In this time, our team, Japanese neurosurgeons, who consist of the majority of subspecialties willing to participate and gathering for a great neurosurgical meeting in Kragujevac.

The philosophy of joining is providing academic knowledge and principle technique to all participants. Demonstration of trip and technique from the masters will be the clue of improving the treatment outcome.

I hope this conference will succeed and welcome you all to attend in this conference. I am looking forward to seeing you all soon.

Prof. Dr. Yoko Kato

Professor and Chair, Department of Neurosurgery
Fujita Health University Banbuntane Hotokukai Hospital
Board of Directors, Japan Neurosurgical Society
Executive Board, WFNS Foundation
Chairman, WFNS Fund-Raising Committee
President, Asian Congress of Neurological Surgeons



Dear Colleagues,
Ladies and Gentlemen,

As the Honorary President of SouthEast Europe Neurosurgical Society and President of Croatian Society for Cerebrovascular and Endovascular Neurosurgery, it is my great pleasure and honor to announce and invite You to the **5th Annual meeting of the Serbian Neurosurgical Society with international participation and joint meeting “NEUROVASCULAR SUPERSESSIONS: Exo? Endo? Hybrid? Quo vadis?”** in conjunction with Croatian Society for Cerebrovascular and Endovascular Neurosurgery and joint meeting with the Southeast Europe Neurosurgical Society to be held in **Kragujevac, Serbia, on October 25-27, 2019.**

The Southeast Europe Neurosurgical Society (SeENS, www.seens.eu) has been founded in 2012. SeENS has succeeded to rebuilt liaisons and to make new once after a period of almost 20 years of poor communication between colleagues in the SE Europe region. Currently SeENS is gathering neurosurgeons from 14 countries of the Southeast Europe region.

Since 2012, when we were established, we are providing around 10 continuous medical education events in the Southeast Europe region per year.

The meeting in Kragujevac, organized by the Serbian neurosurgical society and Croatian Society for Cerebrovascular and Endovascular Neurosurgery represents a continuation of this good practice and result of the intensive collaboration between Serbian and Croatian neurosurgeons.

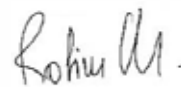
Concerning the attractiveness of vascular neurosurgery the list of the invited speakers at this Joint meeting is impressive and includes the EuroAsian and World's leading experts in the field of neurosurgery. Over 100 active participants are expected to attend the Joint meeting.

It is my great honor to invite You to participate at this Joint meeting, to discover and enjoy the beautiful city of Kragujevac and experience and share noteworthy scientific and social moments.

Sincerely,

**Prof. Dr.
Kresimir Rotim**

Honorary President
of the Meeting
Croatian Society for
Cerebrovascular
and Endovascular
Neurosurgery
President
SeENS Honorary
President



HONORARY PRESIDENTS OF THE MEETING



**Prof. Dr
Lukas Rasulic,
Serbia**
SNSS President
SEENS President



**Prof. Dr.
Peter Vajkoczy,
Germany**
Chair of the EANS
Vascular Section



**Prof. Dr.
Kresimir Rotim,
Croatia**
CSCEN President
SeENS Honorary
President

HONORARY COMMITTEE

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Minister of Health of the Republic of Serbia

Mr. Mladen Sarcevic

Minister of Education, Science and Technological
Development, Republic of Serbia

Prof. Dr Slavica Djukic Dejanovic

Minister without a portfolio in charge of demography
and population policy, Republic of Serbia

Mr. Tomislav Nikolic

former President of the Republic of Serbia

The National Council for Coordination of Cooperation with the
Russian Federation and the People's Republic of China, President

Prof. Dr. Nenad Filipovic

Rector, University of Kragujevac, Serbia

Prof. Dr. Vladimir Jakovljevic

Dean, Faculty of Medical Sciences, University of Kragujevac, Serbia

Prof. Dr. Predrag Sazdanovic

Director, Clinical Center of Kragujevac

Mr. Radomir Nikolic

Mayor of Kragujevac

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Dr Milorad Veljkovic



Dr Ljubomir Krstic



Ass. dr Miodrag Peulic



Prof. dr Milan Mijailovic



Dr Milan Todosijevic



Dr Vojin Kovacevic



Dr Marko Petrovic



Prof. Dr Petar Vulekovic



Prof. Dr Nebojsa Stojanovic



Doc. Dr Ljubodrag Minic



Doc. Dr Milan Spaic



Ass. Dr Vojislav Bogosavljevic

SNSS 5th Annual meeting 2019
NEUROVASCULAR SUPERSESSIONS: Exo? Endo? Hybrid? Quo vadis?



Dr Andrija Savic



Dr Milan Lepic



Dr Jagos Golubovic



Dr Mladen Karan



Dr Filip Vitosevic



Dr Domagoj Gajski



Dr Bojan Jelaca



Dr Nebojsa Lasica



Dr Ante Rotim



Dr Nemanja Jovanovic



Dr Zarko Petrovic



Dr Mirko Micovic



Dr Marko Gregovic



Dr Dragoslav Nestorovic



Dr Filip Vrbancic



Dr Luka Berilazic



Dr Nikola Repac



Dr Aleksandar Janicijevic



Dr Filip Pajcic



Dr Miroslav Fimic

SCIENTIFIC COMMITTEE



**Prof. Dr
Goran Tasic**

Co-chairman of the
Scientific Committee



**Dr Svetlana
Milosevic Medenica**

Co-chairman of the
Scientific Committee



**Doc. Dr
Djula Djilvesi**

Co-chairman of the
Scientific Committee



**Prof. Dr
Ioan Stefan Florian**



**Prof. Dr
Aleksandros Andreou**



**Doc. Dr
Tomislav Sajko**



**Prof. Dr
Miodrag Rakic**



**Prof. Dr
Miroslav Samardzic**



**Prof. Dr
Ihsan Solaroglu**



**Prof. Dr
Vaso Antunovic**



**Prof. dr
Snezana Lukic**



**Dr Ivan
Vukasinovic**



**Dr Vladimir
Kalousek**



**Dr
Zeljko Zivanovic**



**Dr Ibrahim
Omerhodzic**

FACULTY ENROLLED SO FAR

Alimehmeti Ridvan, Albania	Djilvesi Djula, Serbia
Andreou Alexandros, Greece	Djuraskovic Slavko, Montenegro
Andjelic Dragan, Serbia	Djurovic Branko, Serbia
Arnautovic Kenan, USA	Eliava Shalva, Russia
Auslands Kaspars, Latvia	Emmez Hakan, Turkey
Baltsavias Gerasimos, Germany	Enchev Yavor, Bulgaria
Banczerowski Peter, Hungary	Ercegovac Marko, Serbia
Bascarevic Vladimir, Serbia	Feldman Zeev, Israel
Bhatoe Harjinder, India	Feng Ling, China
Bilinger Burcak, Turkey	Ferraresi Stefano, Italy
Bogosavljevic Vojislav, Serbia	Filipce Venko, North Macedonia
Bosnjak Roman, Slovenia	Florian Ioan Stefan, Romania
Brigante Luciano, Italy	Fontanella Marco, Italy
Broekman Marike, Netherlands	Foroglou Nicolas, Greece
Bunc Gorazd, Slovenia	Fountas Konstantinos, Greece
Camarata Paul, USA	Freyschlag Christian, Austria
Caparoski Aleksandar, North Macedonia	Gabrovsky Nikolay, Bulgaria
Cenzato Marco, Italy	Gerganov Venelin, Germany
Cerejo Antonio, Portugal	Gruber Andreas, Austria
Charbel Fady, USA	Grujicic Danica, Serbia
Chudy Darko, Croatia	Hanggi Daniel, Germany
Cinara Ilijas, Serbia	Hernesniemi Juha, Finland
Ciurea Alexandru Vlad, Romania	Hoit Daniel, USA
Cohen Jose, Israel	Ichinose Tsutomu, Japan
David Carlos, USA	Iliescu Bogdan Florin, Romania
Davidovic Lazar, Serbia	Ivanov Marcel, UK
Demetriades Andreas, UK	Izumo Tsuyoshi, Japan
Destrieux Christophe, France	Jaskolski Dariusz, Poland
DiMeco Francesco, Italy	Jokovic Milos, Serbia
Dolenc Vinko, Slovenia	Jovanovic Vladimir, Serbia
Dubovoy Andrey, Russia	Kalousek Vladimir, Croatia
	Kasuya Hidetoshi, Japan

- Kawashima Akitsugu, Japan
Kiris Talat, Turkey
Koga Sebastian, USA
Konovalov Nikolay, Russia
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Kutin Maxim, Russia
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Lakicevic Novak, Montenegro
Langer David, USA
Lehecka Martin, Finland
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Lubrano Vincent, France
Lukic Snezana, Serbia
Maldonado Igor, France
Masotto Barbara, Italy
Matos Bostjan, Slovenia
Matsuno Akira, Japan
Meling Torstein, Norway/
Switzerland
Mijailovic Milan, Serbia
Mijalcic Radovan, Serbia
Milakovic Branko, Serbia
Milivojevic Natasa, Slovenia
Milosevic Zoran, Slovenia
Milosevic Medenica Svetlana, Serbia
Minic Ljubodrag, Serbia
Misra Basant, India
Miyake Keisuke, Japan
Morioka Motohiro, Japan
Nakatomi Hirofumi, Japan
Netuka David, Czech Republic
Niiya Yoshimasa, Japan
Nikolic Radivoje, Serbia
Nikolov Vesna, Serbia
Novak Laslo, Hungary
Oigawa Hidetoshi, Japan
Olldashi Fatos, Albania
Omerhodzic Ibrahim,
Bosnia&Herzegovina
Orlov Kiril, Russia
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Papic Vladimir, Serbia
Paterno Vincenzo, Germany
Pavlicevic Goran, Serbia
Peker Selcuk, Turkey
Petrela Mentor, Albania
Peulic Miodrag, Serbia
Ples Horia, Romania
Poeata Ion, Romania
Prestigiacomo Charles, USA
Prestor Borut, Slovenia
Proust François, France
Raco Antonino, Italy
Radak Djordje, Serbia
Radovanovic Ivan, Canada
Radulovic Danilo, Serbia
Rakic Miodrag, Serbia
Rasulic Lukas, Serbia
Regis Jean, France
Regli Luca, Switzerland
Reinert Michail, Switzerland
Ringel Florian, Germany
Ristic Sasa, Serbia
Roche Pierre-Hugues, France
Rocka Saulius, Lithuania
Rohde Veit, Germany
Roitberg Ben, USA
Rotim Kresimir, Croatia
Sajko Tomislav, Croatia

Sames Martin, Czech Republic
Samii Amir, Germany
Sampron Nicolas, Spain
Samy Youssef, USA
Sanada Yasuhiro, Japan
Savic Milan, Serbia
Shucht Philippe, Switzerland
Seifert Volker, Germany
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Tekavcic Igor, Slovenia
Thome Claudius, Austria
Thompson Greg, USA
Tisell Magnus, Sweden
Tomasello Francesco, Italy
Tomasovic Sanja, Croatia
Tu Yong Kwang, Taiwan
Ture Ugur, Turkey
Uff Chris, UK
Uno Masaaki, Japan
Usachev Dmitry, Russia
Ussesli Murat Imre, Turkey
Vajkoczy Peter, Germany
Valavanis Anton, Switzerland
van der Zwan Bart, Netherlands
Van Roost Dirk, Belgium
Vasily Lukshin, Russia
Velinov Nikolay, Bulgaria
Velnar Tomaz, Slovenia
Volovici Victor, The Netherlands
Vorsic Matjaz, Slovenia
Vrabec Matej, Slovenia
Vujotic Ljiljana, Serbia
Vukasinovic Ivan, Serbia
Vukic Miroslav, Croatia
Vulekovic Petar, Serbia
Walsh Daniel, UK
Watts Colin, UK
Yakovloev Sergey, Russia
Yoshimura Shinichi, Japan
Zivanovic Zeljko, Serbia

NEUROVASCULAR SUPERSESSIONS:

Exo? Endo? Hybrid? Quo vadis?

MAIN SCIENTIFIC PROGRAM Pros and Cons

Non ruptured aneurysms

- Natural history
- Surgery
- Endovascular procedure

Giant and large aneurysms - anterior circulation:

- Surgery
- Endovascular techniques
- By-pass surgical techniques

Giant and large aneurysms - posterior circulation:

- Surgery
- Endovascular techniques
- By-pass surgical techniques

MCA aneurysms:

- Non ruptured
- Bleeding
- Microsurgical vs. endovascular treatment

Dural AVFs:

- embolization
- surgery

Cerebral AVM

- Non ruptured
- Bleeding
- Symptomatic
- Asymptomatic
- Surgery
- Endovascular procedure
- Radiosurgery

BRAIN CAVERNOMAS

Brain Cavernomas in eloquent region

- Non ruptured
- Bleeding
- Natural history vs. surgery vs. radiosurgery

Stroke

- Treatment acute vs. delayed

Carotid surgery

- Exo
- Endo
- Hybrid

Quality of life

PRELIMINARY PROGRAM DRAFT

Thursday, October 24th 2019

Faculty of Medical Sciences, University of Kragujevac

Registration

Room 1

08:50-16:00 NEUROVASCULAR SURGICAL ANATOMY WORKSHOP

08:50-09:00 Introduction

09:00-09:30 **Skull base anatomy**

Christophe Destrieux

09:30-09:50 **Arterial embryology**

Christophe Destrieux

09:50-11:00 **Arterial anatomy and angiography**

Igor Maldonado

- ICA anatomy
- MCA anatomy
- ACA anatomy
- VA anatomy
- BA anatomy
- PCA anatomy

11:00-11:30 Coffee break

11:30-12:30 **Venous anatomy - interactive session**

Christophe Destrieux

- Superficial and Deep venous anatomy
- Sinus anatomy
- Cavernous sinus anatomy

12.30-13.15 **Applied anatomy - interactive session: clinical cases; real scenarios**

Igor Maldonado

13:15-13:45 Lunch

- 13:45-14:30 **Anterior fossa vascular approaches**
TBA
- 14:15-15:00 **Middle fossa vascular approaches**
TBA
- 15:00-15:45 **Posterior fossa vascular approaches**
TBA
- 15:45-16:00 Closing remarks

Room 2

09:00-16:00 INTERVENTIONAL RADIOLOGY SIMULATORS WORKSHOP

/ TBA /

Faculty of Medical Sciences, University of Kragujevac

19:30-20:30 OPENING CEREMONY

- **Prof. Dr. Lukas Rasulic**, Honorary President of the Meeting, SNSS President, SeENS President
- **Doc. Dr. Zlatibor Loncar**, Minister of Health of the Republic of Serbia
- **Mr. Mladen Sarcevic**, Minister of Education, Science and Technological Development, Republic of Serbia
- **Prof. Dr. Slavica Djukic Dejanovic**, Minister without a portfolio in charge of demography and population policy, Republic of Serbia
- **Mr. Tomislav Nikolic**, former President of the Republic of Serbia, The National Council for Coordination of Cooperation with the Russian Federation and the People's Republic of China, President
- **Prof. Dr. Kresimir Rotim**, Honorary President of the Meeting, SeENS Honorary President
- **Prof. Dr. Istvan Szikora**, Head of Department of Neurointerventions, Chairman, Unit of Neurointerventions, National Institute of Clinical Neurosciences & Semmelweis University Medical School, Budapest, Hungary
- **Prof. Dr. Akitsugu Kawashima**, Tokyo Women's Medical University Yachiyo Medical Center, Chiba, Japan
- **Prof. Dr. Nenad Filipovic**, Rector, University of Kragujevac, Serbia
- **Prof. Dr. Vladimir Jakovljevic**, Dean, Faculty of Medical Sciences, University of Kragujevac, Serbia
- **Prof. Dr. Predrag Sazdanovic**, Director, Clinical Center of Kragujevac
- **Doc. dr Radivoje Nikolic**, Organising Committee President
- **Mr. Radomir Nikolic**, Mayor of Kragujevac

Restaurant Kafana Balkan, Kragujevac

21:00-23:00 WELCOME RECEPTION

Friday, October 25th 2019

Hotel Šumarice, Kragujevac

Registration

Hall 1

07:50-08:00 **Opening remarks:**

Lukas Rasulic, Kresimir Rotim, Istvan Szikora,
Akitsugu Kawashima

08:00-10:00 MULTIMODAL EXPERT FORUM 1

Chairs: Lukas Rasulic, Kresimir Rotim

08:00-08:15 **AVM surgery**

Fady Charbel

08:15-08:30 **ICA blister aneurisms**

Torstein Meling

08:30-08:45 **Neurosurgical treatment of ACM aneurysms**

Kresimir Rotim

08:45-09:00 **Hybrid surgery for aneurysms**

Alexandros Andreou

09:00-09:15 **From packing the cavity to changing the flow:
a 12 years clinical experience with flow diverter
technology**

Istvan Szikora

09:15-09:30 **Trapping with bypass for ICA blister aneurysms**

Akitsugu Kawashima

09:30-09:45 **Role of EBM in neurovascular surgery: Publications**

Ben Roitberg

09:45-10:00 **Extradural selective anterior clinoidectomy for
IC paraclinoid aneurysms**

Hidetoshi Kasuya

10:00-10:15 Coffee break

- 10:15-12:00** **EXO VS. ENDO VS. HYBRID DISCUSSION - ANTERIOR CIRCULATION ANEURYSMS**
Chairs: Goran Tasic, Zoran Milosevic
- 10:15-10:30 **Rapid ventricular pacing - Advanced intraoperative CBF manipulation during surgery of complex intracranial aneurysms**
Volker Seifert
- 10:30-10:45 **Anterior brain circulation aneurysm surgery - single center experience**
Goran Tasic
- 10:45-11:00 **Various Cerebral Blood Flow Control Techniques in Clipping Surgery for Complicated Cerebral Aneurysms**
Yoshimasa Niya
- 11:00-11:15 **Microsurgery of Very Large & Giant Anterior Circulation Aneurysm**
Basant Misra
- 11:15-11:30 **Perforating arteries of brain**
Luciano Brigante
- 11:30-11:45 **Pretemporal transcavernous skull base approach to circle of Willis aneurysms**
Kenan Arnautovic
- 11:45-12:00 Discussion
- 12:00-13:30** **STROKE SYMPOSIA**
Chairs: Gerasimos Baltasvias, Vladimir Kalousek
- 12:00-12:15 **Surgical management of spontaneous intracerebral haemorrhage: why and when?**
Vladimir Bascarevic
- 12:15-12:30 **Frontline of acute stroke intervention**
Shinichi Yoshimura
- 12:30-12:45 **The role of neurosurgeon in the stroke treatment**
Matjaz Vorsic
- 12:45-13:00 **The clinical significance of the scale in the assesment of outcome after intracerebral haemorrhage**
Zeljko Zivanovic
- 13:00-13:15 **Endovascular treatment of acute ischemic stroke**
Gerasimos Baltasvias
- 13:15-13:30 Discussion
- 13:30-14:15 Lunch

14:15-16:00 HOW I DO IT SESSION

Chairs: Hidetoshi Kasuya, Djula Djilvesi

- 14:15-14:30 **Anterior circulation nuances in temporal clipping**
Tomislav Sajko
- 14:30-14:45 **The surgical management of previously Endovascular treated aneurysms**
Carlos David
- 14:45-15:00 **Strategies in brain AVM endovascular treatment**
Gerasimos Baltasvias
- 15:00-15:15 **Vascular cases: how to move past a friendship fight and eat some “humble pie”**
Stefano Ferraresi
- 15:15-15:30 **Endovascular coil embolization of very small intracranial aneurysms**
Milan Mijailovic
- 15:30-15:45 **Spinal cord hemangioblastoma**
Vincenzo Paterno
- 15:45-16:00 Discussion
- 16:00-16:15 Coffee break

16:15-17:45 EXO VS. ENDO VS. HYBRID DISCUSSION - NEW FRONTIERS

Chairs: Petar Vulekovic, Vincenzo Paterno

- 16:15-16:30 **ICA region approaches**
Petar Vulekovic
- 16:30-16:45 **Management of vasospasm**
Konstantinos Fountas
- 16:45-17:00 **Brain aneurysms : surgery vs endovascular between common sense, economicity and opportunity**
Stefano Ferraresi
- 17:00-17:15 **Current Options and Development of Minimally Invasive Transcranial Approaches for Tumoral and Vascular Pathologies**
Ivan Radovanovic
- 17:15-17:30 **Role of training? Still a place for upcoming neurosurgeons**
Ihsan Solaroglu
- 17:30-17:45 Discussion

17:45-19:45 CAROTID SURGERY SYMPOSIA

Chairs: Dmitry Usachev, Konstantinos Fountas

- 17:45-18:00 **Sonobirdie trial- randomized study on sonolysis during carotid endarterectomy**
David Netuka
- 18:00-18:15 **Intraoperative monitoring in extracranial carotid artery surgery**
Volodymyr Smolanka
- 18:15-18:30 **Surgery of non-atherosclerotic carotid lesions**
Dmitry Usachev
- 18:30-18:45 **Surgical approaches to carotid artery: neurosurgical perspective**
Andreas Demetriades
- 18:45-19:00 **Treatments of carotid/intracranial artery stenosis**
Shinichi Yoshimura
- 19:00-19:15 **Improving safety in Carotis Endarterectomies**
Philippe Schucht
- 19:15-19:30 **Extra and intracerebral dissections**
Laszlo Novak
- 19:30-19:45 Discussion
- 20:30-23:00 Serbian traditional dinner

Hall 2

- 10:00-10:15 Meet the expert coffee break / TBA /
- 12:00-13:30 **E-POSTER SESSION** / Lobby e-poster corner
- 13:30-14:15 **LUNCHEON SESSION YNA**
Andreas Demetriades, Vincenzo Paterno, Djula Djilvesi
- 14:15-15:15 **RAPID CROSSFIRE SESSION 1**
Case presentation and expert discussion
Presenters: Andrija Savic, Nebojsa Lasica, Luka Berilazic
Moderators: Volker Seifert, Gerasimos Baltsavias, Tomislav Sajko
- 16:15-17:45 **ORAL PRESENTATION 1 / TBA /**
- 17:45-19:30 **NEUROVASCULAR SUPERSESSION 1**
- 17:45-18:00 **Cavernous sinus approach, single center series**
Roman Bosnjak
- 18:00-18:15 **ACM: to clip or coil?**
Antonino Raco
- 18:15-18:30 **Surgical strategy for bilateral large vertebral artery dissecting aneurysms. Lessons form a case**
Yasuhiro Sanada
- 18:30-18:45 **Biology and Genetics of Human Brain Arteriovenous Malformations: A Path towards Targeted Therapies**
Ivan Radovanovic
- 18:45-19:00 **Impact of flow diverters on peri-aneurysmal flow: mechanical properties and flow effects by measurements and simulation**
Istvan Szikora
- 19:00-19:15 **Current concepts in multimodal aneurysm treatment**
Ljiljana Vujotic
- 19:15-19:30 Discussion

Saturday, October 26th 2019

Hotel Šumarice, Kragujevac

Registration

Hall 1

- 08:30-10:15** **EXO VS. ENDO VS. HYBRID DISCUSSION - MCA ANEURYSMS**
Chairs: Peter Banczerowski, Svetlana Milosevic Medenica
- 08:30-08:45 **MCA endovascular vs surgical treatment**
Nikolay Velinov
- 08:45-09:00 **Neurosurgical management of ruptured MCA aneurysms**
Djula Djilvesi
- 09:00-09:15 **Indications for proper treatment selection of middle cerebral artery aneurysms: institutional experience**
Bruno Splavski
- 09:15-09:30 **Patients with ruptured MCA aneurysm and Hunt Hess ≥ 3**
Simona Steblaj
- 09:30-09:45 **Pediatric Intracranial MCA Aneurysms**
Alexandru Vlad-Ciurea
- 09:45-10:00 **MCA aneurysms treatment in 21st century**
Fady Charbel
- 10:00-10:15 Discussion
- 10:15-10:30 Coffee break
- 10:30-12:00** **HOW I DO IT SESSION**
Chairs: Alexandru Vlad Ciurea, Stefano Ferraresi
- 10:30-10:40 **Intramedullary cavernous malformations. Microneurosurgical treatment. How I do it.**
Marcel Ivanov
- 10:40-10:50 **Endovascular management of Vein of Galen aneurysm malformation- case reports and followup 7 Years**
Snezana Lukic
- 10:50-11:00 **Vein of Galen aneurismal malformations - Three cases report**
Matos Bostjan
- 11:00-11:10 **Skull base arteries dissection**
Daniel Walsh

- 11:10-11:20 **Exoscopical aneurysm surgery: The future?**
Daniel Hanggi
- 11:20-11:30 **Management of giant and large carotid-ophthalmic aneurysms**
Martin Sames
- 11:30-11:40 **Endovascular treatment options for unruptured and ruptured aneurysms**
Vladimir Kalousek
- 11:40-11:50 **radiosurgery for Large AVM's**
Hakan Emmez
- 11:50-12:00 Discussion
- 12:00-13:45 MULTIMODAL EXPERT FORUM 2**
Chairs: Francesco Tomasello, Volker Seifert
- 12:00-12:15 **Tandem Fenestration of lamina terminalis and membrane of Lillequist during microsurgical clipping of anterior circulation aneurysms: Does it reduce shunt dependent hydrocephalus following SAH?**
Francesco Tomasello
- 12:15-12:30 **Progressive Foix-Alajouanine syndrome in case of tethered cord patient with complex spinal developmental disease**
Peter Banczerowski
- 12:30-12:45 **Microsurgery of unruptured aneurysms - still a valid option**
Ioan Stefan Florian
- 12:45-13:00 **Efficacy of Preoperative Embolization with Onyx for Intracranial AVM Surgery From a Direct Surgeon's Point of View**
Tsuyoshi Izumo
- 13:00-13:15 **Treatment of a giant vertebral aneurysm with antegrade vascular reconstruction**
Yasuhiro Sanada
- 13:15-13:30 **Giant aneurysma management**
Peter Vajkoczy
- 13:30-13:45 Discussion
- 13:45-14:30 Lunch

14:30-15:45 **QUO VADIS? - BYPASS SUPERSESSION**

Chairs: Basant Misra, Hiroki Kurita

14:30-14:45 **Rationale for cerebral multibarrel revascularization**

Vasily Lukshin

14:45-15:00 **Parent artery occlusion under bypass protection for the management of complex intracranial aneurysms”**

Andreas Gruber

15:00-15:15 **Bypass Surgery for Blood Blister-like Aneurysms**

Yoshimasa Niiya

15:15-15:30 **Posterior fossa bypasses**

Peter Vajkoczy

15:30-15:45 Discussion

15:45-17:30 **EXO VS. ENDO VS. HYBRID DISCUSSION - POSTERIOR CIRCULATION ANEURYSMS**

Chairs: Torstein Meling, Nicolas Foroglou

15:45-16:00 **Hybrid surgery for large /giant basilar apex aneurysms: operative nuance**

Hiroki Kurita

16:00-16:15 **Microsurgery of Very Large & Giant Posterior Circulation Aneurysm**

Basant Misra

16:15-16:30 **The role of bypass in surgery of complex aneurysms (anterior and posterior circulation)**

Andrey Dubovoy

16:30-16:45 **Bypass surgery for aneurysms in posterior circulation**

Akitsugu Kawashima

16:45-17:00 **Management of dissecting and fusiform vertebral artery aneurysms involving the PICA origin**

Andreas Gruber

17:00-17:15 **Our approach and experience with adult brainstem cavernous malformations**

Murat Imre Ussesli

17:15-17:30 Discussion

17:30-19:00 EXO VS. ENDO VS. HYBRID DISCUSSION - OUTCOME

Chairs: Kenan Arnautovic, Ivan Radovanovic

17:30-17:40 **Surgical outcome in poor grading SAH patients**

Anastasia Tasiou

17:40-17:50 **Neurosurgical treatment for multiple aneurismatis**

Branko Djurovic

17:50-18:00 **The vascular, endovascular and cognitive approach to cerebral aneurysm surgery**

Milan Spaic

18:00-18:10 **Long term cognitive outcome after ruptured aneurysm clipping**

Vladimir Papic

18:10-18:20 **The Influence of Intraoperative Rupture of Cerebral Aneurysms on the Outcome of Microsurgical Intervention**

Novak Lakicevic

18:20-18:30 **Early management of ruptured intracranial aneurysms**

Slavko Djuraskovic

18:30-18:40 **Evolution of aneurysm surgery in the endovascular era**

Victor Volovici

18:40-18:50 **Hybrid OR, future of neurosurgery**

Zoran Milosevic

18:50-19:00 Discussion

Sports hall

19:30-20:30 Sports tournament - Basketball 3x3

Hall 1

20:30-23:00 Social dinner

Hall 2

10:15-10:30 Meet the expert coffee break / TBA /

10:30-11:30 **RAPID CROSSFIRE SESSION 1**

Case presentation and expert discussion

Presenters: Vojin Kovacevic, Bojan Jelaca, Milan Lepic

Moderators: Ioan Stefan Florian, Djula Djilvesi,

Nikolay Velinov

12:00-13:45 **E-POSTER SESSION** / Lobby e-poster corner

13:45-14:30 **LUNCHEON SYMPOSIA / TBA /**

14:30-15:45 **STROKE SYMPOSIA**

Chairs: Sanja Tomasovic, Natasa Milivojevic

14:30-14:45 **Anticoagulant-associated intracerebral haemorrhage from neurosurgical point of view**

Vladimir Bascarevic

14:45-15:00 **Indications for surgery and surgical strategies for spontaneous intracerebral hemorrhage**

Vojin Kovacevic

15:00-15:15 **Malignant middle cerebral artery (MCA) infarction and decompressive hemicraniectomy- to do or not to do?**

Natasa Milivojevic

15:15-15:30 **Mechanical trombectomy in stroke our experience**

Vladimir Kalousek

15:30-15:45 **Surgical treatment of malignant mca stroke - when to and when not to operate**

Christian Freyschlag

15:45-17:30 **NEUROVASCULAR SUPERSESSION 2**

Chairs: Philippe Schucht, Hidetoshi Kasuya

15:45-16:00 **CEA: how to do it**

Philippe Schucht

16:00-16:15 **Origin of Sylvian hematoma**

Hidetoshi Kasuya

- 16:15-16:30 **Surgical Management of Complex Aneurysms using Skull Base Techniques**
Tsuyoshi Izumo
- 16:30-16:45 **MCA aneurysm: Proximal or distal?**
Vojislav Bogosavljevic
- 16:45-17:00 **Multimodal surgical approaches for brachiocephalic lesions**
Dmitry Usachev
- 17:00-17:15 **Surgical practice in tertiary care centre for vascular lesions**
Danilo Radulovic
- 17:15-17:30 **Single centre experience in ICU aneurysm treatment**
Miodrag Peulic

17:30-19:00 **ORAL PRESENTATIONS 2**

/TBA/

Sunday, October 27th 2019

Hotel Šumarice, Kragujevac

Registration

Hall 1

08:30-10:15 EXO VS. ENDO VS. HYBRID DISCUSSION - AVM

Chairs: Ioan Stefan Florian, Marco Cenzato

08:30-08:45 **Treatment of spinal dural AV fistulas: surgery vs embolization**

Miroslav Vukic

08:45-09:00 **Endovascular treatment of spinal dural AVFs: possibilities and limits**

Ivan Vukasinovic

09:00-09:15 **Dural AVF's - a case study**

Sanja Tomasovic

09:15-09:30 **Unruptured AVMs**

Marco Cenzato

09:30-09:45 **Natural history of brain AVMs**

Aki Laakso

09:45-10:00 **The importance of Telestroke network in swift treatment of ruptured AVMs**

Tomaz Velnar

10:00-10:15 Discussion

10:15-10:30 Coffee break

10:30-12:15 EXO VS. ENDO VS. HYBRID DISCUSSION CAVERNOMA

Chairs: Miroslav Vukic, Ihsan Solaroglu

10:30-10:45 **MR imaging and follow-up of cavernomas**

Matej Vrabec

10:45-11:00 **Brainstem cavernomas**

Marco Cenzato

11:00-11:15 **Surgical treatment of cavernomas**

Nicolas Foroglou

11:15-11:30 **Brainstem cavernomas**

Barbara Masotto

- 11:30-11:45 **Radiosurgery for brainstem cavernomas**
Selcuk Peker
- 11:45-12:00 **Cerebral Cavernomas a new grading scale for surgical decision-making**
Marco Fontanella
- 12:00-12:15 Discussion
- 12:15-13:45 MULTIMODAL EXPERT FORUM 3**
Chairs: Torstein Meling, Lukas Rasulic
- 12:15-12:30 **Mathematical modeling of aneurysms**
Charles J. Prestigiacomo
- 12:30-12:45 **New endovascular aneurysm treatment**
Daniel Hoit
- 12:45-13:00 **Application of bypass technique for complex intracranial aneurysms**
Hiroki Kurita
- 13:00-13:15 **Approaches to treating complicated aneurysms**
Laszlo Sipos
- 13:15-13:30 **Flow diverting stents in endovascular treatment of large, giant and fusiform aneurysms: breaking limitations of endovascular repair**
Svetlana Milosevic-Medenica
- 13:30-13:45 **Hybrid cerebrovascular surgery in 21th century - Quo vadis?**
Torstein Meling
- 13:45-14:00 Closing and awards ceremony**
- 10:00-10:15 Meet the expert coffee break / TBA /
- 12:15-13:30 **E-POSTER SESSION** / Lobby e-poster corner

SOCIAL PROGRAM

Opening ceremony

Thursday, October 24th 2019
19.30
Faculty of Medical Science,
University of Kragujevac

Welcome Reception

Thursday, October 24th, 2019
20.30
Venue: Restaurant Balkan
(walking distance from Faculty of Medical Science)

Serbian Traditional Dinner

Friday, October 25th, 2019
21.00
Venue: TBA

Social Dinner

Saturday, October 26th, 2019
21.00
Venue: Hotel Sumarice, Kragujevac

HOST CITY Kragujevac, Serbia



The location of the City of Kragujevac and its vicinity was settled in prehistoric times as demonstrated by numerous objects and archaeological monuments.

Kragujevac was first mentioned in 1476, after the fall under Turkish rule, in the Tapu-Defter. It consisted of a public square built in a settlement with 32 houses. From that time on it was desolated like all of Sumadija. Kragujevac was revived in the second half 15th century when Turks erected a new settlement on the left bank of the river Lepenica.

Kragujevac began to prosper in 1818 when it was proclaimed the capital of the new Serbian State on May 6th, St. George's Day. Because of its favorable central geographical position, nationally homogeneous population, unlike Belgrade which had a heavy Turkish population, Prince Milos chose Kragujevac to become the center of the state.

When the capital was moved to Belgrade in 1841, a period of stagnation in Kragujevac began. Between the two World Wars, the development of a military industry impacted the spatial development of Kragujevac. During World War II, Kragujevac was exposed to devastation. One of the gravest tragedies was a mass killing of the civilian population, including 300 pupils of the grammar school on October 21, 1941.

Despite all the hardships it faced, Kragujevac and its citizens always maintained hope for the future.

Today, Kragujevac is a city with an infrastructure, a geostrategic position and an available labor force that can guarantee successful business development. Along with two centuries of industrial tradition, Kragujevac is recognized for its openness to new ideas, educated young population, and its experienced, productive work force.

HOTEL ACCOMMODATION

Meeting venue: Hotel Sumarice

Desankin venac bb
34000 Kragujevac, Srbija



Hotel Zelengora

Branka Radicevica 22
34000 Kragujevac, Serbia



CALL FOR ABSTRACTS

You are kindly invited to submit your abstract for the “Neurovascular supersessions: Exo? Endo? Hybrid? Quo vadis?”, either for oral or poster presentation. Abstract(s) should be submitted on line on the web site www.vascularneuro@talkb2b.net. Authors are invited to submit abstracts in the following categories:

- **Non ruptured aneurysms**
- **Giant and large aneurysms - anterior circulation:**
- **Giant and large aneurysms - posterior circulation:**
- **MCA aneurysms:**
- **Dural AVFs**
- **Cerebral AVM**
- **Brain cavernomas**
- **Carotid surgery**
- **Quality of life**

Detailed list of topics is available at

[http://www.vascularneuro.talkb2b.net/page/39/
PROS+AND+CONS](http://www.vascularneuro.talkb2b.net/page/39/PROS+AND+CONS)

The abstract should be submitted by August 31st, 2019

All abstracts will be reviewed. Accepted abstracts will be published in the Abstract Book.

Carefully read the guidelines before submitting your abstract. Acknowledgement of receipt of your submission will be returned to your e-mail address. Please note, that acknowledgement of receipt of your abstract submission does not mean that your abstract is accepted by the Scientific Committee.

SUBMISSION GUIDELINES

- Abstracts must be submitted in English.
- Titles should contain no more than 200 characters.
- Abstract text should contain no more than 500 words.
- Use standard abbreviations. Place a special or unusual abbreviation in parenthesis after the full word when it appears for the first time.
- Abstracts must be written in comprehensible English and must conform to the guidelines or they will not be accepted. It is the author's responsibility to submit a correct abstract.
- Any tables, graphs or diagrams should be upload together with the abstract.
- The organizers of this event take no responsibility for any published abstracts submitted. Any issues or errors arising from the abstracts are solely the responsibility of the authors.
- Changes to abstract can only be accepted until the deadline
- By submitting his / her / their work, the Author(s) consent to the publication of the abstract and transfer and assign to the Congress organizers the rights to edit, publish, reproduce, distribute copies and to prepare derivative works such as press releases. Author(s) represent and warrants that he / she / they is / are sole author(s) of the work, that all authors have participated in and agree with the content and conclusions of the work, and that the work is original and does not infringe upon any copyright, proprietary or personal right of any third party. If the work is not original, author(s) should reference original source and ensure all relevant permission and / or authorization to re-use have been obtained

NOTIFICATION OF ACCEPTANCE

- Upon submission, you will receive an acknowledgement email notifying that your abstract has been received.
- Once the Abstract Submission closes, all abstracts will be reviewed by the Scientific Committee. The Scientific Committee reserves the right to select the abstracts relevant to the sessions and decide on the final form of presentation.
- Notification of acceptance/rejection will be e-mailed to you no later than **September 15th, 2019**. (contact Scientific Committee if you have not received your notification e-mail by September 15th, 2019).
- If the abstract is accepted, applicant **MUST** register and pay registration fee.
- All successfully accepted abstract submitters must present their abstract in the form of Oral or Poster Presentation during the Congress.
- The corresponding author will receive any correspondence concerning the abstract.

For any inquiries, please contact the Scientific Committee at

abstractvascularneuro@snss.org.rs

REGISTRATION FEE

Category	Early Registration	Late Registration	Onsite Registration
Faculty	-	-	-
Specialist	EUR 70,00	EUR 100,00	EUR 100,00
Residents	EUR 50,00	EUR 50,00	EUR 50,00
Medical students	EUR 0,00	EUR 0,00	EUR 0,00
Retired	EUR 0,00	EUR 0,00	EUR 0,00
One day registration	-	-	EUR 70,00

* 10% discount for individual members of EANS

**According to the decision of the Scientific Committee,
 20 best oral presentations will be awarded with
 FREE REGISTRATION AND ACCOMMODATION.**

Early registration until August 31st, 2019

Late registration from September 1st until October 10th, 2019

Online registration is available.

REGISTRATION FEES INCLUDE:

Full access to all scientific program for 2 days of the Meeting,
 Meeting material and Social Program

REGISTRATION CANCELLATION TERMS:

- Requests for registration cancellation must be submitted in writing to the Meeting Secretariat at vascularneuro@snss.org.rs
- For cancellations received until August 31st, 2019 refund of registration fees will be 100%.
- For cancellations received until September 25th, 2019 refund of registration fees will be 50%.
- After that date the registration fee will not be refunded.
- Please note that registration refunds will be processed within 30 days after the end of Congress, bank charges will be deducted from the refund.
- If no refund is required but a change in participant registration is needed, then the Secretariat must be informed in writing via email to vascularneuro@snss.org.rs

TERMS AND CONDITIONS

REGISTRATION

Registration will be confirmed after receiving full payment. Those who do not receive a confirmation notice before the Meeting, are requested to contact the Meeting Secretariat at office@snss.org.rs or vascularneuro@snss.org.rs.

Only participants who complete their registration will be able to participate in the scientific and/or social programme.

All registered Meeting attendees will be emailed confirmations. Print your confirmation letter and bring it with you on the day of the conference for a smooth registration process.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be issued to all delegates. The Meeting will be accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) and Serbian Health Council. Each participant will claim only those hours of credit that he/she actually spent in the educational activity.

REGISTRATION CANCELLATION TERMS

Requests for registration cancellation must be submitted in writing to the Secretariat at office@snss.org.rs or vascularneuro@snss.org.rs

- For cancellations received until **August 31st, 2019** refund of registration fees will be 100%.
- For cancellations received until **September 25th, 2019** refund of registration fees will be 50%.
- After that , from **September 26th, 2019** the registration fee will not be refunded.

Please note that registration refunds will be processed within 30 days after the end of Congress, bank charges will be deducted from the refund.

If no refund is required but a change in participant registration is needed, then the Secretariat must be informed in writing via email to office@snss.org.rs or vascularneuro@snss.org.rs.

GENERAL TERMS OF PAYMENT

Only participants who complete their registration will be able to participate in the scientific and/or social programme.

The date of payment is decisive for the registration fee. Even if the registration form is received before the early bird or regular deadline, it will not be considered as early or regular registration if the payment has not been received before the deadlines.

Registration will only be valid upon receipt of the full payment by the registration department according to the deadline indicated. An email confirming registration will only be sent after receipt of the required fees.

Outstanding payments will be collected on-site and charged as the on-site rate.

Basic information of company:

Ultra Marine doo

Address: Stevana Sremca 3, Beograd

Identification number: 21304158

VAT: 110134309

Phone: +381 11 3348158, 3348255, 3349451

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SNSS & SeENS

Technical support and organization

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The logo for ULTRA marine is contained within a white oval. The word 'ULTRA' is in a large, bold, blue sans-serif font, and 'marine' is in a smaller, blue sans-serif font below it, with a colon at the end.