SPINE SURGERY IN XXI CENTURY
current concept, controversies, perspectives

FINAL PROGRAM

Endorsed by
- Ministry of Health, Republic of Serbia
- Ministry of Education, Science and Technological Development, Republic of Serbia
- School of Medicine, University of Belgrade
- School of Medicine, University of Nis
- Serbian Academy of Sciences and Arts
- Clinical Center Nis

Supported by
- National tourism organisation of Serbia
- Serbia Convention Bureau

October 4-7 2018
Niš, Serbia
Venue: Tami Residence Hotel

95th Anniversary of neurosurgery in Serbia
80th Anniversary of Clinic for Neurosurgery, Belgrade, Serbia
55th Anniversary of Clinic for Neurosurgery, Niš, Serbia

Who can attend?
Neurosurgeons, Orthopedists, Spine Specialists, Spine Related Physicians
(Rehab Specialists, Chiropractors, Pain Specialists, Rheumatologists)

www.snssspine2018.talkb2b.net
Dear colleagues and friends,

It is my privilege, honor and pleasure to invite you to take part in the JOINT MEETING OF THE ASSOCIATION OF NEUROSURGEONS OF RUSSIA, RUSSIAN ASSOCIATION OF SPINAL SURGEONS AND SERBIAN NEUROSURGICAL SOCIETY IN CONJUNCTION WITH CROATIAN SOCIETY FOR SPINE SURGERY, on the occasion of the Fourth Annual Meeting of the Serbian Neurosurgical Society and Joint Meeting with Southeast European Neurosurgical Society, which will be held in NIŠ, SERBIA, OCTOBER 4-7, 2018.

Russia and Serbia share a long tradition of cooperation and friendship, and this meeting is the result of long-lasting collaboration between Serbian and Russian Neurosurgical Societies, which has only intensified and become more successful over the past years.

The global theme of the meeting is SPINE SURGERY IN XXI CENTURY – Current Concept, Controversies, Perspectives. The scientific program will cover all treatment aspects of surgical pathology of the spine, from basic to innovative.

Serbian Neurosurgical Society is delighted that The Fourth Annual Meeting of Serbian Neurosurgical Society will feature renowned international experts, as well as prominent Russian and Serbian neurosurgeons, who will gather together in Niš in order to improve the quality of neurological service and education today, for the sake of a better tomorrow.

Thereby we are also marking three important anniversaries – 95 years since the founding of neurosurgery in Serbia, 80 years of the Clinic of Neurosurgery at the Clinical Center of Serbia and 55 years of the Clinic for Neurosurgery at the Clinical Center Niš.

Continuing the good practice established at The First Annual Meeting of the Serbian Neurosurgical Society held in Belgrade in 2015, we are pleased to announce the annual Serbian Neurosurgical Society Best Young Neurosurgeon Paper Award for 2018, with international participation. Eligible for the award are scientific papers by young neurosurgeons (up to 40 years of age) from Serbia and abroad.

The papers submitted for the award will be presented by their authors and assessed by a jury of national and international experts. We are also pleased to announce Young Neurosurgeons’ Forum as a special segment of the academic program of the Congress.

Leaning upon the strong foundations of tradition and experience and following contemporary professional accomplishments, trends and innovations, we strive for neurosurgery and neuroscience without frontiers and aim at building bridges of knowledge and understanding across disciplines, institutions, individuals and generations.

The host city of Niš, with its unique spirit, is a venue that is particularly well-suited to the concept of borderless cooperation. Nowadays the third largest city of Serbia, Niš has from ancient times been considered a gateway between the East and the West. Notably, it is the birthplace of Constantine the Great, who was the first Roman emperor to legalize Christianity along with other religions in the Roman Empire, and the founder of Constantinople as the capital of the Eastern Roman/Byzantine Empire. He was also the first ruler to establish public clinics throughout the Roman Empire where the poor, the injured and the helpless received medical care.

In the spirit of Constantine the Great’s wise words – “With free minds” - we invite you to join us in Niš in October 2018, convinced that our gathering will provide many memorable scientific and social moments.

We look forward to welcoming you in Niš!

Prof. Dr Lukas Rasulic
President of the Serbian Neurosurgical Society
Honorary President of the Congress
Dear colleagues, friends!

It is a pleasure for us to invite you to the 4th Annual meeting of the Serbian Neurosurgical Society and joint meeting "SPINE SURGERY IN 21 CENTURY – CURRENT CONCEPT, CONTROVERSIES, PERSPECTIVES" between the Association of Neurosurgeons of Russia, Russian Association of Spinal Surgeons and Serbian Neurological Society in conjunction with Croatian Society for Spine Surgery to be held in NIS, SERBIA, ON 4-7 OF OCTOBER 2017.

Rapid development of our specialty, emergence of new technologies, modern neuroimaging techniques, improved methods of diagnostics have determined the main topics for discussions.

The interest towards this event is aroused by participation of outstanding neurosurgical faculty and experienced specialists in spinal neurosurgery from Russia and Serbia.

This is also a chance to outline the tasks for future perspective studies in spinal neurosurgery.

We are absolutely sure that beauty of the countryside and hospitality of the Serbian people will make your visit pleasant and unforgettable.

Welcome to Nis!

Best wishes,

Alexander Potapov, MD, PhD
Professor of Neurosurgery
Director

Nikolay Konovalov, MD, PhD
Professor of Neurosurgery
Head of Department of Spinal Neurosurgery
Dear colleagues, dear friends!

Welcome to the joint meeting SPINE SURGERY IN XXI CENTURY - Current concept, controversies, perspectives organized by Association of Neurosurgeons of Russia, Russian Association of Spinal Surgeons and Serbian Neurosurgical Society in conjunction with Croatian Society for Spine Surgery, which will be held in Niš, Serbia, from October 4-7, 2018.

This important meeting will be held on the occasion of the 4th Annual meeting of Serbian Neurosurgical Society as a Joint meeting with Southeast Europe Neurosurgical Society

Thanks to the collaborative work of our societies a comprehensive scientific program will be put together covering all areas of interest in spinal neurosurgery.

No doubt, the spectrum of spine-related problems to be discussed and participation of outstanding neurosurgeons from different countries will make this event especially interesting.

We hope that picturesque surroundings, mild climate and exciting social programme will make your visit pleasant.

Welcome to Nis!

Yours sincerely,

Alexander Konovalov, MD, PhD
President of the Association of neurosurgeons of Russia
Dear Colleagues, Ladies and Gentlemen,

As the Honorary President of SouthEast Europe Neurosurgical Society and President of Croatian Society for Spine Surgery it is my great pleasure and honor to announce and invite You to the 4th Annual meeting of the Serbian Neurosurgical Society and joint meeting “SPINE SURGERY IN 21st CENTURY - CURRENT CONCEPT, CONTROVERSIES, PERSPECTIVES” between the Association of Neurosurgeons of Russia, Russian Association of Spinal Surgeons and Serbian Neurological Society in conjunction with Croatian Society for Spine Surgery and the Southeast Europe Neurosurgical Society, to be held in Niš, Serbia, on October 4-7 2018.

The Southeast Europe Neurosurgical Society (SeENS, www.seens.eu) has been founded in 2012. SeENS has succeeded to rebuild 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.

Rapid development of spine surgery, improved methods of diagnostics, new technologies and modern neuroimaging techniques have urged the need to organize such an event.

Concerning the attractiveness of spine surgery 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.

This meeting will have the patronage and support of all important State and Academic Institutions of Republic of Serbia.

It is my great honor to invite You to participate at this Joint meeting and to discover and enjoy the beautiful city of Niš, were Emperor Constantin, the „Emperor of the Christian people” was born.

I cordially invite You to Niš, Serbia, to experience and share noteworthy scientific and social moments.

Sincerely,

Prof. Dr Kresimir Rotim
SeENS Honorary President
President of the Croatian Society for Spine Surgery
Honorary President of the Congress
Dear colleagues,

It is with great pleasure that we announce the Joint Meeting of Spinal Surgery organized by the Association of Neurosurgeons of Russia, Russian Association of Spinal Surgeons and Serbian Neurosurgical Society in conjunction with Croatian Society for Spine Surgery, under the title: **SPINE SURGERY IN XXI CENTURY—Current concept, controversies, perspectives.**

This meeting will take place in Niš, Serbia, between October 4-7th, 2018, on the occasion of the 4th Annual meeting of Serbian Neurosurgical Society as a Joint meeting with Southeast Europe Neurosurgical Society.

Extremely rapid developments in the field of spine surgery have led to the need for permanent connections, and mutual exchange of knowledge and experience, between a large number of medical experts involved in the diagnosis, surgical treatment, and significant post-operative physical therapy procedures of spinal diseases. The active approach to dealing with degenerative diseases, injuries, tumor processes and deformities of the spine is imperative for the forthcoming period because it allows a lot of patients to quickly return to normal life and thus be less of a burden to society.

Cutting-edge technology solutions, materials, and equipment have been very aggressive in trying to impose their vision of spine surgery. Therefore, critically important application of appropriate technical possibilities, harmonization of different viewpoints on the selection of surgical techniques and the use of adequate materials and equipment form a base for mutual exchange of experience, towards the making of the best decisions for the benefit of patients.

The city of Niš, where this important international gathering will take place, is one of the oldest cities in the Balkans— the birthplace of the Roman Emperor Constantine the Great who proclaimed Christianity the official religion of the Roman Empire as early as 1700 years ago. The city with a big heart, Niš stands at the crossroads of historical developments and future prospects. We are truly honored to invite you to be a part of this valued event.

Prof. Dr Nebojsa Stojanovic
PhD, MD, neurosurgery
President of the International Organizing Committee

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Prof. Dr Nikolay Konovalov
Moscow, Russia

Prof. Dr Kresimir Rotim
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Prof. Dr Alexander Potapov, Russia
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Prof. Dr Branko Djurovic, Serbia
Prof. Dr Miodrag Rakic, Serbia
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Dr Vojin Kovacevic, Serbia
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Francaviglia Natale, Italy
Gabrovsky Nikolay, Bulgaria
Grin Andrey, Russia
Gubin Alexander, Russia
Gushcha Artem, Russia
Helseth Eirik, Norway
Isagulyan Emil, Russia
Ivanov Marcel, UK
Jokovic Milos, Serbia
Jovic Miljan, Serbia
Kaprovoy Stanislav, Russia
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Kolesov Sergey, Russia
Konовалов Alexander, Russia
Konовалов Nikolay, Russia
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Krutko Alexander, Russia
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Lakicevic Novak, Montenegro
Lalosevic Vladimir, Serbia
Maier Tiberiu, Romania
Manukovsky Vadim, Russia
Markovic Marko, Serbia
Martynova Maria, Russia
Meling Torstein, Norway
Meyer Bernhard, Germany
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Mlvovykh Sergey, Russia
Mushkin Alexander, Russia
Nazarenko Anton, Russia
Nikolov Vesna, Serbia
Novakovic Menad, Serbia
Oldashi Fatos, Albania
Omerhodzic Ibrahim, Bosnia and Herzegovina
Onoprienko Roman, Russia
Osorio-Fonseca Enrique, Colombia
Papic Vladimir, Serbia
Paterno Vincenzo, Germany
Pavlicevic Goran, Serbia
Peev Nikolay, Ireland
Peker Selcuk, Turkey
Peulic Miodrag, Serbia
Potapov Alexander, Russia
Ptashnikov Dmitry, Russia
Radovanovic Zoran, Serbia
Radulovic Danilo, Serbia
Ramalho da Cunha Marcio, Brazil
Rasulic Lukas, Serbia
Rerikh Victor, Russia
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Saftic Robert, Croatia
Sajko Tomislav, Croatia
Sala Francesco, Italy
Samii Madjid, Germany
Sanyal Sujoy, India
Schaller Karl, Switzerland
Selviaridis Panagiotis, Greece
Senker Wolfgang, Austria
Shkarubo Alexey, Russia
Shulev Yury, Russia
Skomorac Rasim, Bosnia and Herzegovina
Smrcka Martin, Czech Republic
Solaroglu Ihsan, Turkey
Sorokin Vladimir, Russia
Spaic Milan, Serbia
Splavski Bruno, Croatia
Spyrou Michalakis, Cyprus
Stefanovic Ivan, Serbia
Stojanovic Nebojsa, Serbia
Talahma Imad, Palestine
Tissen Teodor, Russia
Tomasello Francesco, Italy
Turel Keki, India
Vajkoczy Peter, Germany
Vengust Rok, Slovenia
Vissarionov Sergey, Russia
Vorsic Matjaz, Slovenia
Vukic Miroslav, Croatia
Vulekovic Petar, Serbia
Yaman Onur, Turkey
Zakirov Bahramkhon, Russia
Zileli Mehemet, Turkey

SPECIAL GUEST LECTURE:
Prof. Dr Nenad Filipovic
Rector of University of Kragujevac, Serbia
“The Spine surgery in XXI century- current concept, controversies, perspectives, Niš, Serbia, 04/10/2018-07/10/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 28 European CME credits (ECMEC®s).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.”

“Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™.

Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

“Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.”

The Spine surgery in XXI century- current concept, controversies, perspectives is accredited by the Health Council of the Republic of Serbia as an International Congress, decision No.: 153-02-2275/2018-01 dated on August 21st, 2018, document number A-1-2000/18, with the following number of credits:

- Lecturers: 15 credits
- Oral presentations: 13 credits
- Poster presentations: 11 credits
- Passive participation: 10 credits
### Thursday, 4th October 2018

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09.00 - 9.15</td>
<td>Registration</td>
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</table>
| 09.15 - 14.15 | **WORKSHOP “PERCUTANEOUS LASER DISC DECOMPRESSION – PLDD”**  
BY DIODE LASER, A MINIMAL INVASIVE OUTPATIENT TREATMENT |
|           | *Venue: Clinical center Nis, Serbia*                                    |
|           | This Workshop has limited number of up to 20 participants based on the principle first come first served. Registration fee for this workshop is included in the Congress registration fee. |
| 09.15 - 09.30 | Biolitec company and Laser introduction,  
Dr Ninoslav Ribic, Serbia                                |
| 09.30 - 10.00 | Percutaneous Laser Disc Decompression-PLDD,  
Dr Georg Kienbacher, Austria                             |
| 10.15 – 10.30 | Coffee break                                                        |
| 10.30 – 11.30 | 1st Live surgery,  
Prof. dr Ivan Stefanovic, Serbia                          |
| 11.30 - 11.45 | PLDD experience – My first 30 patients,  
Prof. dr Ivan Stefanovic, Serbia                          |
| 11.45 – 12.30 | Brunch                                                               |
| 12.30 – 13.30 | 2nd Live surgery,  
Prof. dr Ivan Stefanovic, Serbia                          |
| 13.30 – 13.45 | Percutaneous Laser Discectomy by Lumbar Chronical and Hard Disc Herniation,  
Prof. dr Ivan Stefanovic, Serbia                          |
| 13.45 – 14.15 | Discussion,  
Dr. Georg Kienbacher, Austria                                |
| 14.15 | Certificates                                                        |
| 20.00-22.00 | Welcome Faculty Reception, Hotel “Tami Residence”                   |
Thursday, 4th October 2018

09.00 - 09.15  Registration

13.00-18.00  **PRE-MEETING COURSE - SPINAL INSTRUMENTATION**

*Venue: Clinical center Nis, Serbia*

This Workshop has limited number of up to 20 participants based on the principle first come first served. Registration fee for this workshop is included in the Congress registration fee.

20.00-22.00  Welcome Faculty Reception, Hotel "Tami Residence"
SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

SCIENTIFIC PROGRAM

October 4-7 2018
Niš, Serbia

Venue:
Tami Residence Hotel

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<tr>
<td>07.30</td>
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<tr>
<td>08.00-09.00</td>
<td>OPENING CEREMONY</td>
<td>Welcome Addresses:&lt;br&gt;• Prof. Dr Lukas Rasulic, Co-President of the Congress, SNSS President, SeENS President&lt;br&gt;• President of Republic of Serbia&lt;br&gt;• Ministry of Health of Republic of Serbia&lt;br&gt;• Prof. Dr Nikolay Konovalov, Co-President of the Congress&lt;br&gt;• Prof. dr Alexander Potapov, Honorary President of the Congress, Director of N. N. Burdenko Neurosurgical Institute&lt;br&gt;• Prof. Dr Alexander Konovalov, Honorary President of the Congress, President of the Association of Neurosurgeons of Russia&lt;br&gt;• Prof. Dr Mehmet Zileli, Chair of the WFNS Spine Committee&lt;br&gt;• Prof. Dr Artem Gushcha, President of the Association of Spinal Surgeons of Russia&lt;br&gt;• Prof. Dr Kresimir Rotim, Honorary President of the Congress, SeENS Honorary President, President of the Croatian Society for Spine Surgery&lt;br&gt;• Acad. Vladimir Kostic, Serbian Academy of Science and Art&lt;br&gt;• Prof. Dr Dragan Antic, Rector of the University of Nis&lt;br&gt;• Prof. Dr Dobrila Stankovic Djordjevic, Dean of the Faculty of Medicine, University of Nis&lt;br&gt;• Prof. Dr Zoran Radovanovic, Director of the Clinical Center of Nis&lt;br&gt;• Prof. Dr Nebojsa Stojanovic, President of the International Organizing Committee&lt;br&gt;• Mr. Darko Bulatovic, Mayor of Nis</td>
</tr>
<tr>
<td>09.00-09.30</td>
<td>SNSS Tribute: MILIVOJE KOSTIC LECTURE 1</td>
<td>Where Will We Be Tomorrow: The Future of Minimally Invasive Surgery&lt;br&gt;Kevin Foley, USA&lt;br&gt;<strong>INTRO Lukas Rasulic</strong></td>
</tr>
<tr>
<td>09.30-10.00</td>
<td>SNSS Tribute: MADJID SAMII LECTURE</td>
<td>Problems and Solutions in Geriatric Spine Surgery&lt;br&gt;Mehmet Zileli, Turkey&lt;br&gt;<strong>INTRO Lukas Rasulic</strong></td>
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## PLENARY SESSION 1
Moderators: Lukas Rasulic, Nikolay Konovalov, Kresimir Rotim

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<th>Time</th>
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<tr>
<td>10.00-10.20</td>
<td><strong>Tumor Surgery of Craniovertebral Junction</strong>&lt;br&gt;Madjid Samii, Germany</td>
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<tr>
<td>10.20-10.40</td>
<td><strong>Lumbar dynamic pedicle-based stabilization versus fusion in degenerative disease: preliminary results of the DYNORFUSE prospective randomized trial</strong>&lt;br&gt;Bernhard Meyer, Germany</td>
</tr>
<tr>
<td>10.40-11.00</td>
<td><strong>Surgical treatment of intramedullary tumors: experience of more than 700 cases</strong>&lt;br&gt;Nikolay Konovalov, Russia</td>
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<tr>
<td>11.00-11.20</td>
<td><strong>Spine Surgery Today: Appropriate or Over Indication?</strong>&lt;br&gt;Francesco Tomasello, Italy</td>
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<tr>
<td>11.20-11.40</td>
<td><strong>Spinal Surgery in Russia - Trends, Highlights, Outstanding Issues</strong>&lt;br&gt;Artem Gushcha, Russia</td>
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<tr>
<td>11.40-12.00</td>
<td><strong>Coffee break</strong></td>
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## MAIN SCIENTIFIC SESSION 1: DEGENERATIVE SPINE
Moderators: Mehmet Zileli, Artem Gushcha, Petar Vulekovic

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<tr>
<td>12.00-12.15</td>
<td><strong>KEY NOTE LECTURE</strong>&lt;br&gt;Cervical myelopathy – new insights into pathophysiology and treatment&lt;br&gt;Peter Vajkoczy, Germany</td>
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<td>12.15-12.30</td>
<td><strong>KEY NOTE LECTURE</strong>&lt;br&gt;Retrospective single-surgeon study of 1,123 consecutive cases of anterior cervical discectomy and fusion: A comparison of clinical, outcome parameters and costs between outpatient and inpatient surgery groups with a literature review&lt;br&gt;Kenan Arnautovic, USA</td>
</tr>
<tr>
<td>12.30-12.45</td>
<td><strong>KEY NOTE LECTURE</strong>&lt;br&gt;Surgical Management of Intradural tumors at the craniovertebral junction region&lt;br&gt;Ioan Stefan Florian, Romania</td>
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<tr>
<td>12.45-13.00</td>
<td><strong>Electrophisiological Monitoring in Spinal Disease</strong>&lt;br&gt;Francesco Sala, Italy</td>
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<tr>
<td>13.00-13.15</td>
<td><strong>Surgical Outcome Prognosis for Degenerative Lumbar Spine Disease</strong>&lt;br&gt;Anton Nazarenko, Russia</td>
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<td>13.15-13.30</td>
<td><strong>Three and Four Level ACDF: How I Do It</strong>&lt;br&gt;Ibrahim Omerhodzic, Bosnia and Herzegovina</td>
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<td>13.30-13.45</td>
<td><strong>Lunch</strong></td>
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<td>13.30-14.15</td>
<td><strong>Serbian Neurosurgical Society EC Meeting - Board room</strong></td>
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<td>Time</td>
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<td>14.15-14.30</td>
<td><strong>KEY NOTE LECTURE</strong>&lt;br&gt;The anterior unkoforaminotomy in treatment of patients with radicular pain caused by lateral stenosis at degenerative cervical spine pathology&lt;br&gt;Vladimir Klimov, Russia</td>
</tr>
<tr>
<td>14.30-14.45</td>
<td><strong>KEY NOTE LECTURE</strong>&lt;br&gt;Experiences with „percutaneous laser disc decompression” by a diode laser - a minimal invasive outpatient treatment for contained disc herniations&lt;br&gt;Gregor Kienbacher, Austria</td>
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<tr>
<td>14.45-15.00</td>
<td>Intraoperative neurophysiological monitoring in degenerative cervical spine surgery&lt;br&gt;Petar Vulekovic, Serbia</td>
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<tr>
<td>15.00-15.15</td>
<td>Degenerative lumbar spine: protocols and when the unusual approaches are better&lt;br&gt;Dmitry Dzukaev, Russia</td>
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<tr>
<td>15.15-15.30</td>
<td>Failed back surgery&lt;br&gt;Tomislav Cigic, Serbia</td>
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<td>15.30-15.45</td>
<td>New concepts for using the arthroplasty in the degenerative changes of the cervical spine&lt;br&gt;Matjaz Vorsic, Slovenia</td>
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<td>15.45-16.00</td>
<td>Reconstructive surgery of the cervical spine - Indications&lt;br&gt;Nebojsa Stojanovic, Serbia</td>
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<tr>
<td>16.00-16.15</td>
<td>My Experience with Cervical Spine Surgery and Stabilization&lt;br&gt;Venko Filipce, Macedonia</td>
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<tr>
<td>16.15-16.30</td>
<td>Lumbar spine stenosis: prevalence and morphology of ossification of the ligamentum flavum&lt;br&gt;Vladimir Sorokovikov, Russia</td>
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<tr>
<td>16.30-16.45</td>
<td>Discussion</td>
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<tr>
<td>16.45-17.00</td>
<td>Coffee break</td>
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<td>17.00-17.10</td>
<td>Dr. Vladimir Petrovich Pasek</td>
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<td>Milan Spaic, Serbia</td>
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<td>17.10-17.20</td>
<td>Vesna Nikolov, Serbia</td>
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<td>17.20-17.30</td>
<td>Ahmet Öğrenci, Turkey</td>
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<td>17.30-17.40</td>
<td>Miljan Bulatovic, Serbia</td>
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<td>17.40-17.50</td>
<td>Andrej Prija, Slovenia</td>
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<td>17.50-18.00</td>
<td>Sanja Maricic Prijic, Serbia</td>
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<td>18.00-18.10</td>
<td>Mirjana Raicevic, Serbia</td>
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<td>Murat Sayin, Turkey</td>
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<td>18.20-18.30</td>
<td>Mohamed Mohi Eldin, Egypt</td>
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<td>18.30-18.40</td>
<td>Tomaz Velnar, Slovenia</td>
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<td>18.40-18.50</td>
<td>Boban Joksimovic, Serbia</td>
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<td>18.50-19.00</td>
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### MAIN SCIENTIFIC SESSION 3: SPINE TRAUMA AND INFECTIONS
**Moderators:** Vadim Manukovsky, Ljubodrag Minic, Fatos Olldashi

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<tr>
<th>Time</th>
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<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>12.00</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Current concept of chronic spondylitis</td>
<td>Aleksandr Mushkin, Russia</td>
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<tr>
<td>12.15</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Modification of short-segment fixation with pedicle screws in fracture site without fusion for thoracolumbar fractures</td>
<td>Vladimir Lalosevic, Serbia</td>
</tr>
<tr>
<td>12.30</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Adverse effects of steroid therapy in acute spinal cord injury management</td>
<td>Victor Rerikh, Russia</td>
</tr>
<tr>
<td>12.45</td>
<td><strong>MIS instrumentation in trauma</strong></td>
<td>Nikolay Gabrovsky, Bulgaria</td>
<td>HALL 2</td>
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<tr>
<td>13.00</td>
<td>Early surgery and instrumentation in cervical spine tuberculosis - rationale and decision making</td>
<td>Harjinder Bhatoe, India</td>
<td>HALL 2</td>
</tr>
<tr>
<td>13.15</td>
<td><strong>Unilateral recurrent lumboischialgia of unknown cause – a diagnostic and therapeutic challenge</strong></td>
<td>Ivan Stefanović, Serbia</td>
<td>HALL 2</td>
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<tr>
<td>13.30</td>
<td><strong>Lunch</strong></td>
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<td>HALL 2</td>
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**Russian Neurosurgical Society EC and WFNS Spine Committee Business Meeting - Residence Room**

### MAIN SCIENTIFIC SESSION 4: BASIC SCIENCE AND SPINE TUMORS
**Moderators:** Sergey Kolesov, Andreas Demetriades, Stefano Ferraresi

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<tr>
<th>Time</th>
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<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>14.15</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Treatment of chronic pain after transpedicular fixation</td>
<td>Tito Perilla, Colombia</td>
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<tr>
<td>14.30</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Complications in spine surgery</td>
<td>Keki Turel, India</td>
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<tr>
<td>14.45</td>
<td><strong>Spine and spinal cord disorders: advanced treatment concept</strong></td>
<td>Dmitry Asyutin, Russia</td>
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<tr>
<td>15.00</td>
<td><strong>Endovascular treatment of spinal AVMs and vascular tumors</strong></td>
<td>Teodor Tissen, Russia</td>
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<tr>
<td>15.15</td>
<td><strong>Radiosurgery For Spinal Metastasis</strong></td>
<td>Selçuk Peker, Turkey</td>
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<tr>
<td>15.30</td>
<td><strong>Chronic spinal cord stimulation in the treatment of failed back surgery syndrome</strong></td>
<td>Emil Isagulyan, Russia</td>
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<tr>
<td>15.45</td>
<td><strong>Intraoperative neurophysiological monitoring for spinal cord tumors surgery</strong></td>
<td>Slavko Djuraskovic, Montenegro</td>
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<tr>
<td>16.00-16.15</td>
<td>Results of surgical treatment of spinal cavernous malformations</td>
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<td>Bahramkhon Zakirov, Russia</td>
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<td>16.15-16.30</td>
<td>Spinal cord tumors in Montenegro</td>
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<td>Novak Lakicevic, Montenegro</td>
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<tr>
<td>16.30-16.45</td>
<td>Discussion</td>
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<td>16.45-17.00</td>
<td>Coffee break</td>
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**ORAL PRESENTATIONS 2**

**Moderators:** Sergey Mlyavykh, Novak Lakicevic, Venko Filipce

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<thead>
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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17.00-17.10</td>
<td>Cervical spinal stenosis treatment by interlaminar full endoscopy</td>
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<td>Marcio Ramalho da Cunha, Brazil</td>
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<td>17.10-17.20</td>
<td>Severity of the spinal stenosis - a novel classification method</td>
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<td>Milenko Stanic, Serbia</td>
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<td>17.20-17.30</td>
<td>Economic costs in discitis treatment</td>
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<td>Mustafa Ogden, Turkey</td>
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<td>17.30 – 17.40</td>
<td>Transcorporeal anterior cervical microforaminotomy; a motion preserving surgery in pure</td>
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<td>brachialgia</td>
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<td>Moshiur Rahman, Bangladesh</td>
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<td>17.40-17.50</td>
<td>Role of the O-arm and neuronavigation in the management of complex spine surgery cases</td>
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<td>Walid Attia, Saudi Arabia</td>
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<td>17.50-18.00</td>
<td>Cervical Spondylotic Myelopathy</td>
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<td>Drazen Ivetic, Serbia</td>
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<td>18.00-18.10</td>
<td>Use of nitiinol rods for fixation of the lumbar spine (prospective multi-center study)</td>
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<td>Kazmin Arkadii, Russia</td>
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<td>18.10-18.20</td>
<td>The role of endoscopy in treating spinal stenosis</td>
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<td>Miljan Mihajlovic, Serbia</td>
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<td>18.20-18.30</td>
<td>Age-related prevalence of degenerative cervical pathology</td>
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<td>Niamen Patrice Koffi, Morocco</td>
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<td>18.30-18.40</td>
<td>Factors affecting outcome after lumbar disc surgery - How close are we to good outcome</td>
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<td>prediction?</td>
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<td>Mladen Karan, Serbia</td>
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<td>18.40-18.50</td>
<td>CT accuracy of percutaneous vs open and manually-registered pedicle screw techniques:</td>
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<td>a single center non-randomized clinical trial</td>
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<td>Alexandros Brotis, Greece</td>
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<td>18.50-19.00</td>
<td>Discussion</td>
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<td>08.00 -19.00</td>
<td>E-POSTER PRESENTATION</td>
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<td>20.00-00.00</td>
<td>Gala dinner</td>
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Saturday, 6th October 2018

07.30  Registration

PLENARY SESSION 2
Moderators: Madjid Samii, Francesco Tomasello, Andrey Grin

08.00-08.20  Adult Scoliosis and Complication Management
Jesus Lafuente, Spain

08.20-08.40  Microsurgical education today and the role of neurosurgical organizations
Torstein Meling, Norway

08.40-09.00  From simulation through cadaver training to patient care:
a safe way to educate spinal surgeons
Karl Schaller, Switzerland

09.00-09.20  Surgical Treatment of Cervical Spine Trauma
Vadim Manukovsky, Russia

09.20-09.40  Occipito-Cervical Fixation: Evolution and Current Concepts
Miguel Arraez Sanchez, Spain

09.40-10.10  SNSS Tribute: MILIVOJE KOSTIC LECTURE 2
Low-grade infection in spinal instrumentation: is this the real cause of screw loosening?
Bernhard Meyer, Germany
INTRO Lukas Rasulic

10.10-10.30  SPECIAL GUEST LECTURE
Computational modeling of spine and spinal implants
Nenad Filipovic, Serbia
INTRO Lukas Rasulic

10.30-10.45  Coffee break

MAIN SCIENTIFIC SESSION 5: BASIC SCIENCE AND NEW TECHNOLOGIES
Moderators: Miguel Arraez Sanchez, Vladimir Klimov, Karl Schaller

10.45-11.00  KEY NOTE LECTURE
Image guidance for cervical spine surgery. Is there an added value?
Experience of 170 cases
John Duff, Switzerland

11.00-11.15  KEY NOTE LECTURE
New technologies for the treatment of degenerative scoliosis
Sergey Kolesov, Russia

11.15-11.30  Adverse Events Related to Peripheral Nerves Following Spine Surgery-Complications,
Sequellae, Mistreatment: Avoidance, Treatment Modalities and Outcome
Lukas Rasulic, Serbia
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker, Location</th>
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<tr>
<td>11.30-11.45</td>
<td>Cervical arthroplasty with discover; long term results and influence</td>
<td>Miroslav Vukic, Croatia</td>
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<td>on the cervical biomechanics</td>
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<td>11.45-12.00</td>
<td>Spinal navigation: past, present and future</td>
<td>Francesco Costa, Italy</td>
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<tr>
<td>12.00-12.15</td>
<td>MISS (minimally invasive spinal surgery, the concept. MISS is not a</td>
<td>Nikolay Peev, Ireland</td>
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<td>miss-surgery)</td>
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<td>12.15-12.30</td>
<td>New Philosophy in Spine surgery</td>
<td>Michalakis Spyrou, Cyprus</td>
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<td>12.30-12.45</td>
<td>CT scan and navigation assisted spinal surgery</td>
<td>Maria Martynova, Russia</td>
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<td>12.45-13.00</td>
<td>A neuro-fuzzy model for supporting the diagnosis of lumbar disc</td>
<td>Miodrag Peulic, Serbia</td>
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<td>13.00-13.30</td>
<td>Lunch</td>
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<td>12.45-13.30</td>
<td>Southeast Europe Neurosurgical Society EC Business Meeting - Board</td>
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<td>13.30-14.15</td>
<td>RAPID CROSSFIRE SESSION 1</td>
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<td>COMPLEX AND COMPLICATED CASES - OPEN ACCESS PANEL SESSION</td>
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<td>Moderators: Mehmet Zileli, Artem Gushcha, Jesus Lafuente, Enrique Osorio-Fonseca, Nebojsa Stojanovic</td>
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<td>14.15-14.30</td>
<td>KEY NOTE LECTURE</td>
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<td>Management of fractures in ankylosing spondylitis</td>
<td>Mehmet Zileli, Turkey</td>
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<td>14.30-14.45</td>
<td>KEY NOTE LECTURE</td>
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<td>Minimal invasive surgery in spine trauma</td>
<td>Tiberiu Maior, Romania</td>
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<td>14.45-15.00</td>
<td>CSF leakage following spine surgery: prevention and management</td>
<td>Ihsan Solaroglu, Turkey</td>
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<td>15.00-15.15</td>
<td>War injuries of the spinal cord</td>
<td>Ljubodrag Minic, Serbia</td>
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<td>15.15-15.30</td>
<td>Cervical spine fracture</td>
<td>Fatos Olldashi, Albania</td>
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<td>15.30-15.45</td>
<td>Trauma of the spinal column - what should be seen by a neuroradiologist in order for the neurosurgeon to do what needs to be done</td>
<td>Zoran Radovanovic, Serbia</td>
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<tr>
<td>15.45-16.00</td>
<td>Central cord syndrome</td>
<td>Panagiotis Selviaridis, Greece</td>
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<tr>
<td>16.00-16.15</td>
<td>Spine injuries and disorders - emergency centre as a crossroad for right treatment</td>
<td>Miljan Jovic, Serbia</td>
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<tr>
<td>16.15-16.30</td>
<td>Discussion</td>
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<td>16.30-16.45</td>
<td>Coffee break</td>
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MAIN SCIENTIFIC SESSION 7: SPINE TUMORS
Moderators: John Duff, Panagiotis Selviaridis, Tomislav Cigic

16.45-17.00 KEY NOTE LECTURE
Surgery around the neuroforamen. Indications and technique for dumbbell pathology in the cervical area
Stefano Ferraresi, Italy

17.00-17.15 KEY NOTE LECTURE
Results of surgical treatment of extramedullary spinal cord tumors
Roman Onoprienko, Russia

17.15-17.30 Spinal AVM
Mohammad Al-Olama, UAE

17.30-17.45 Intradural Spinal Tumors: Surgical Considerations and Institutional Experience
Tomislav Sajko, Croatia

17.45-18.00 Extent of surgical resection of malignant astrocytoma of the spinal cord
Vincenzo Paterno, Germany

18.00-18.15 Spinal Schwannomatosis
Martin Smrcka, Czech Republic

18.15-18.30 Spinal Tumours Treatment-Our Experience
Rasim Skomorac, Bosnia and Herzegovina

18.30-18.45 Spine Surgery in XXI century - Anesthesiologist Point of view
Inga Mladic Batinica, Croatia

18.45-19.00 Intradural Spine Tumor Surgery-Institutional Experience
Djula Djilvesi, Serbia

19.00-19.15 Discussion

08.00-19.15 E-POSTER PRESENTATION
Area for Poster presentation

20.30-00.00 Traditional Serbian Dinner
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<tr>
<td>10.45-11.00</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Enrique Osorio-Fonseca, Colombia</td>
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<td>Endoscopic approaches in lumbar degenerative diseases</td>
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<td>11.00-11.15</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Alexander Krutko, Russia</td>
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<td>The use of minimally invasive techniques for segmental correction</td>
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<td>11.15-11.30</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Giovanni Broggi, Italy</td>
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<td>Preliminary experience with percutaneous cervical arthrodesis and fusion</td>
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<td>11.30-11.45</td>
<td><strong>Percutaneous endoscopic transforaminal approach for foraminal and extraforaminal disc herniations: 5-year experience</strong></td>
<td>Natale Francaviglia, Italy</td>
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<tr>
<td>11.45-12.00</td>
<td><strong>Full-endoscopic system utilization for decompression of nerve structures on lumbar level of the spine. first experience report</strong></td>
<td>Vasily Korolishin, Russia</td>
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<tr>
<td>12.00-12.15</td>
<td><strong>Lumbar angiolipoma removal via percutaneous endoscopic interlaminar approach</strong></td>
<td>Marcio Ramalho da Cunha, Brasil</td>
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<tr>
<td>12.15-12.30</td>
<td><strong>Mini-invasive and innovative technologies in the surgery of the pathological processes of the skull base and the craniovertebral junction</strong></td>
<td>Alexey Shkarubo, Russia</td>
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<tr>
<td>12.30-12.45</td>
<td><strong>Minimally invasive approach for surgical treatment of craniovertebral junction meningiomas</strong></td>
<td>Stanislav Kaprovoy, Russia</td>
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<td>12.45-13.00</td>
<td><strong>Discussion</strong></td>
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<td>13.00-13.30</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>13.30-14.15</td>
<td><strong>RAPID CROSSFIRE SESSION 2</strong></td>
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<td></td>
<td><strong>COMPLEX AND COMPLICATED CASES - OPEN ACCESS PANEL SESSION</strong></td>
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<td><strong>Moderators: Bernhard Meyer, Nikolay Konovalov, Kevin Foley, John Duff, Rok Vengust</strong></td>
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14.15-14.30  KEY NOTE LECTURE
Lumbar disc herniation: is microsurgery exceeded?
Alberto Delitala, Italy

14.30-14.45  KEY NOTE LECTURE
Degenerative low and high grade spondylolisthesis
Andreas Demetriades, UK

14.45-15.00  Lumbar Spine Instrumentation
Milos Jokovic, Serbia

15.00-15.15  Different Microsurgical Non-fusion Techniques for Cervical Radiculopathy
Yury Shulev, Russia

15.15-15.30  Anterior cervical corpectomy in the treatment of degenerative and tumorous processes of the cervical spine
Mitja Benedicic, Slovenia

15.30-15.45  Anterior cervical approach for the treatment of cervical myelopathy
Danilo Radulovic, Serbia

15.45-16.00  Biological nucleoplasty - emerging treatment
Vladimir Papic, Serbia

16.00-16.15  Central Cord Syndrome - Surgical Treatment Nuances
Nenad Novakovic, Serbia

16.15-16.30  Discussion

16.30-16.45  Coffee break
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>16.45-17.00</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Sagittal balance in spinal neurosurgery</td>
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<td>Evgeny Brinyuk, Russia</td>
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<td>17.00-17.15</td>
<td><strong>KEY NOTE LECTURE</strong></td>
<td>Accurate Placement of Percutaneous Pedicle Screws without the Use of Neuronavigation/O-arm Technology and Reduction-fixation of Lumbar Spondylolisthesis by Percutaneous Pedicle Screws and a Minimal Access approach</td>
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<td>Sujoy Sanyal, India</td>
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<td>17.15-17.30</td>
<td><strong>Treatment of the degenerative diseases of vertebral column</strong></td>
<td>Branko Djurovic, Serbia</td>
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<td>17.30-17.45</td>
<td><strong>Corner osteotomy for treatment of fixed sagittal malalignment following previous spinal fusion; case series</strong></td>
<td>Rok Vengust, Slovenia</td>
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<td>17.45-18.00</td>
<td><strong>Comparative analysis of surgical treatment of patients with congenital thoracic spine deformities using thoracic expansion devices and spinal correction and fusion</strong></td>
<td>Sergey Vissarionov, Russia</td>
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<tr>
<td>18.00-18.15</td>
<td><strong>Segmental stabilisation of pathologic fractures of thoracolumbar spine</strong></td>
<td>Stanko Milickovic, Serbia</td>
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<tr>
<td>18.15-18.30</td>
<td><strong>Post operative pain in lumbar degenerative spine surgery</strong></td>
<td>Said Ait Benali, Morocco</td>
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<td>18.30-18.45</td>
<td><strong>Modern treatment options for degenerative scoliosis</strong></td>
<td>Goran Pavlicevic, Serbia</td>
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<td>18.45-19.00</td>
<td><strong>Surgical treatment of single level degenerative cervical disc disease treated with ACDFP</strong></td>
<td>Aleksandar Chaparoski, Macedonia</td>
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<tr>
<td>19.00-19.15</td>
<td><strong>Discussion</strong></td>
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<td>08.00-19.20</td>
<td><strong>E-POSTER PRESENTATION</strong></td>
<td>Area for Poster presentation</td>
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<tr>
<td>20.30-00.00</td>
<td><strong>Serbian Traditional Dinner</strong></td>
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<tr>
<td>07.30</td>
<td>Registration</td>
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<tr>
<td>08.00-08.20</td>
<td><strong>PLENARY SESSION 3</strong>&lt;br&gt;Moderators: Dmitry Ptashnikov, Peter Banczerowski, Roberto Delfini</td>
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<tr>
<td>08.00-08.20</td>
<td><strong>Outpatient Cervical Spine Surgery</strong>&lt;br&gt;Eirik Helseth, Norway</td>
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<tr>
<td>08.20-08.40</td>
<td><strong>The videoendoscopic techniques in the surgical treatment of patients with thoracolumbar trauma</strong>&lt;br&gt;Andrey Grin, Russia</td>
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<tr>
<td>08.40-09.00</td>
<td><strong>Current concept in minimal invasive spine surgery</strong>&lt;br&gt;Kresimir Rotim, Croatia</td>
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<tr>
<td>09.00-09.20</td>
<td><strong>The correction of degenerative scoliosis of adults with the use of minimally invasive technologies (LLIF, ALIF, MIS posterior fixation)</strong>&lt;br&gt;Vladimir Klimov, Russia</td>
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<tr>
<td>09.20-09.40</td>
<td><strong>Surgical management of the vascular malformations of the spinal cord</strong>&lt;br&gt;Marcel Ivanov, UK</td>
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<tr>
<td>09.40-10.00</td>
<td><strong>Multilevel VCR in the treatment of complex spinal deformities in adults</strong>&lt;br&gt;Dmitry Ptashnikov, Russia</td>
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<tr>
<td>10.00-10.30</td>
<td><strong>SNSS Tribute: MADJID SAMII LECTURE 2</strong>&lt;br&gt;Modern aspects of minimally invasive spinal surgery&lt;br&gt;Nikolay Konovalov, Russia</td>
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<td>10.30-10.45</td>
<td><strong>Intro</strong> Lukas Rasulic</td>
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<td><strong>Coffee break</strong></td>
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<td>10.45-11.00</td>
<td><strong>KEY NOTE LECTURE</strong> Evolution of minimally-invasive techniques in instrumented thoraco-lumbar surgery: our experience</td>
<td>Roberto Delfini, Italy</td>
</tr>
<tr>
<td>11.00-11.15</td>
<td><strong>KEY NOTE LECTURE</strong> Role of minimal invasive techniques and new classification system in the surgical treatment of pathologies situated in the spinal canal</td>
<td>Peter Banczerowski, Hungary</td>
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<tr>
<td>11.15-11.30</td>
<td>Do obese patients benefit from minimally invasive lumbar fusion techniques?</td>
<td>Wolfgang Senker, Austria</td>
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<tr>
<td>11.30-11.45</td>
<td><strong>MIS Techniques in Our Adult Deformity Practice: Real Opportunities and Pitfalls</strong></td>
<td>Sergey Mlyavykh, Russia</td>
</tr>
<tr>
<td>11.45-12.00</td>
<td>Full-endoscopic operations of lumbar disc herniation and spinal stenosis - state of the art, possibilities and retrospective review of overall 1054 operated patients</td>
<td>Marko Markovic, Serbia</td>
</tr>
<tr>
<td>12.00-12.15</td>
<td>Transforaminal endoscopic discectomy - why this is the best surgery what we can offer to our patients</td>
<td>Robert Saftic, Croatia</td>
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<tr>
<td>12.15-12.30</td>
<td>Endoscopic-assisted fenestration and discectomy in lumbar disc hernia using EasyGo</td>
<td>Roman Bosnjak, Slovenia</td>
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<td>12.30-12.45</td>
<td>Percutaneous minimally invasive procedures for osteoporotic vertebral compression fractures – current concepts</td>
<td>Yavor Enchev, Bulgaria</td>
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<td>12.45-12.55</td>
<td><strong>Discussion</strong></td>
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<td>Time</td>
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<td>Speaker, Country</td>
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<tr>
<td>13.00-13.08</td>
<td>Microsurgical Discectomy – Discectomy or Segmental Decompression, a Technical Approach</td>
<td>Igor Popovic, Serbia</td>
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<tr>
<td>13.08-13.16</td>
<td>Spinal Stenosis Patophysiology – Histological Analysis of the Ligamentum Flavum</td>
<td>Vuk Aleksić, Serbia</td>
</tr>
<tr>
<td>13.16-13.24</td>
<td>Stenosis versus Ischemia of the Spinal Canal – Contact Endoscopy Blood Flow Patterns</td>
<td>Nenad Zivković, Serbia</td>
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<tr>
<td>13.40-13.48</td>
<td>Short term outcome of surgical treatment of patients with lumbar disc herniation</td>
<td>Miroslav Fimic, Serbia</td>
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<tr>
<td>13.48-13.56</td>
<td>Is a picture worth a thousand words? Correlation between MRI findings and clinical presentation in patients with lumbar disc herniation and nerve root compression</td>
<td>Filip Pajicic, Serbia</td>
</tr>
<tr>
<td>13.56-14.04</td>
<td>Complications after surgery for thoracic disc herniation: a systematic review and network meta-analysis</td>
<td>Christos Tzerefos, Greece</td>
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<tr>
<td>14.04-14.12</td>
<td>Experience of using laser effects on the intervertebral disc with puncture access</td>
<td>Angelina Gorodnina, Russia</td>
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<td>14.12-14.20</td>
<td>Comparative analysis of alo and auto transplants in cervical myelopathy solutions - multisegmental approach</td>
<td>Luka Berilazic, Serbia</td>
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<td>14.20-15.00</td>
<td>YOUNG NEUROSURGEONS AWARD BEST ORAL PRESENTATION AND E-POSTER AWARDS CLOSING CEREMONY</td>
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<td>Time</td>
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<tr>
<td>10.45-11.00</td>
<td>KEY NOTE LECTURE</td>
<td>The cervical spine congenital and genetic abnormalities and deformities</td>
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<td>11.00-11.15</td>
<td>KEY NOTE LECTURE</td>
<td>Neurophysiological aspects to motor control of lumbar cord and spine</td>
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<td>11.15-11.30</td>
<td>Surgical techniques and planning in treatment of 3D spinal deformities</td>
<td>Zdeslav Milinkovic, Serbia</td>
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<td>11.30-11.45</td>
<td>Evaluating management strategies and outcome measures for patients with synovial cysts of the lumbar spine</td>
<td>Bruno Splavski, Croatia</td>
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<td>11.45-12.00</td>
<td>Non-traumatcs cervical-thoracic surgical spinal pathology in children</td>
<td>Alexander Mushkin, Russia</td>
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<td>12.00-12.15</td>
<td>Efficacy of DREZ lesioning in managing pain following spinal cord injury</td>
<td>Milan Spaic, Serbia</td>
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<td>12.15-12.30</td>
<td>Surgery of adolescent idiopathic scoliosis</td>
<td>Onur Yaman, Turkey</td>
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<tr>
<td>12.30-12.45</td>
<td>Cheep and efficient lumbar fixation and fusion</td>
<td>Imad Talahma, Palestine</td>
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<tr>
<td>12.45-12.55</td>
<td>Discussion</td>
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</table>
13.00 - 14.00 Use of X-RAY guided transforaminal periradicular infiltration for sciatica
Nenad Zivkovic, Serbia

A novel approach in isthmic spondylolisthesis; spino-semilaminafacet sparing
Ahmet Öğrenci, Turkey

The Effect of the Location of Dural Tear and Repairment in Pneumocephalus After Spinal Surgery
Ahmet Öğrenci, Turkey

Spinal Dysraphism in Children: Our Experience in Ninety-Nine Patients
Mirjana Raicevic

The effect of intraoperative positioning on lumbar lordosis
Murat Sayin, Turkey

Full-Endoscopic radiofrequency ablation for treatment of facet joint pain
Nenad Zivkovic, Serbia

Spontaneous regression of cervical disc herniation in a patient with myelopathy
Danilo Radulovic, Serbia

Cervical spondylotic myelopathy: 4 years of retrospective outcome analysis
Danilo Radulovic, Serbia

Intraoperative neurophysiological monitoring during anterior cervical discectomy and fusion
Vedrana Karan, Serbia

Recovery of the patients operated from lumbar disc hernia: risk factor - smoking
Aleksandar Kostic, Serbia

Comparison of cortical bone trajectory screws vs. transpedicular screws for spinal fusion at L4-L5 level
Pen Matic, Slovenia

Cervical spine trauma associated with multilime skull fracture (case report)
Boris Djurovic, Montenegro

Surgical treatment for lumbar disc herniation in the Clinical centre of Montenegro: statistical results from 2006-2018
Boris Djurovic, Montenegro

Isolated human intervertebral disc cells as a useful platform for in vitro toxicology assessment
Tomaz Velnar, Slovenia
The combination of spinal degeneration and oscillation may result in atypical cervical spinal cord injury: a case series
Tomaz Velnar, Slovenia

Patient satisfaction and functional outcome after standard lumbar discectomy and microdiscectomy
Vojin Kovacevic, Serbia

Factors that correlate with favorable outcome in surgical treatment of lumbar disc herniation
Vojin Kovacevic, Serbia

Complications in Treating the Patient with Malignant Peripheral Nerve Sheath Tumor-Case Report
Andrija Savic, Serbia

Full-Endoscopic Decompression of Spinal Canal for Patients with Spinal Stenosis: Prospective Randomized Trial of Overall 108 Patients
Marko Markovic, Nenad Zivkovic, Serbia

Idiopathic Spontaneous Spinal Epidural Hematoma: Case Presentation and Literature Review
Jagos Golubovic

Intramedullary melanocytoma of the cervical cord: case report
Paschalis Tsolpidis, Greece
REGISTRATION FEES

Please complete online Registration on our website www.sNSSspine2018.talkb2b.net

Registration is mandatory for all categories

Congress fee:

<table>
<thead>
<tr>
<th>Category</th>
<th>Early registration by August 15th 2018</th>
<th>Late registration from August 16th 2018 until September 24th 2018</th>
<th>Onsite registration</th>
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<tr>
<td>Faculty</td>
<td>No fee</td>
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<tr>
<td>Specialists</td>
<td>100 euro</td>
<td>150 euro</td>
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<tr>
<td>Residents</td>
<td>50 euro</td>
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<tr>
<td>Medical students &amp; retired</td>
<td>No fee</td>
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<tr>
<td>One day registration</td>
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<td>100 euro</td>
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REGISTRATION FEES INCLUDES:
- Full access to all scientific programmes for all 3 days of the conference.

REGISTRATION CANCELLATION TERMS
- Requests for registration cancellation must be submitted in writing to the Congress Secretariat at spineserbia2018@snss.org.rs
- For cancellations received until August 15th 2018 refund of registration fees will be 100%.
- For cancellations received until September 1st 2018 refund of registration fees will be 50%.
- After that 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 spineserbia2018@snss.org.rs
You are kindly invited to submit your abstract for the event Spine surgery in XXI century, either for oral or poster presentation. Abstract(s) should be submitted online on the website at http://snssspine2018.talkb2b.net.

The abstract should be submitted by September 10th, 2018.

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 300 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 with your Abstract ID.
- 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 20th, 2018. (contact Congress Secretary if you have not received your notification e-mail by September 20th, 2018).
- 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.

www.snssspine2018.talkb2b.net
Continuing the good practice established at The First Annual Meeting of the Serbian Neurosurgical Society held in Belgrade in 2015, SNSS and SeENS are pleased to announce the **Best Young Neurosurgeon Paper and Presentation Award for 2018**, within their joint session.

Eligible for the award are scientific papers by young neurosurgeons from Serbia and abroad (up to 40 years of age). The papers submitted for the award will be presented by their authors and assessed by a jury of national and international experts.

**AWARDS:**

SNSS and SeENS - Full Participation at WFNS 2019 International Meeting which will be held in Belgrade from March 21st – 24th, 2019 (2 awards)

We are also pleased to announce Young Neurosurgeons' Forum as a special segment of the academic program of the Congress.

Abstract submission deadline: September 10th, 2018
Instructions for presentations are the same as for the General Congress Abstracts.

**NOTIFICATION OF ACCEPTANCE**

Notification of acceptance / rejection will be mailed not later than September 20th, 2018. (contact Congress Secretary if you have not received your notification e-mail by September 20th, 2018).

The corresponding author will receive any correspondence concerning the abstract.

www.snssspine2018.talkb2b.net
Thursday, October 4th, 2018
Welcome faculty reception / by invitation
Venue: Hotel “Tami Residence”, Nis, Serbia
20.00 - 22.00

Friday, October 5th, 2018
Gala Dinner
Venue: Officers Club, Nis, Serbia
20.00 - 00.00
Dress code: Black tie.

Saturday, October 6th, 2018
Traditional Serbian Dinner
Venue: Restaurant “Stara Srbija”, Nis, Serbia
20.30 - 01.00
Niš is the third largest city of Serbia, and the administrative center of the Nišava District in southern Serbia.

It is one of the oldest cities in the Balkans and Europe, and has from ancient times been considered a gateway between the East and the West. The city was among several taken in the Roman conquest in 75 BC; the Romans built the Via Militaris in the 1st century, with Naissus being one of its key towns. It is also the birthplace of Constantine the Great, the first Christian Emperor and the founder of Constantinople, and Constantius III and Justin I.

Niš is one of the most important industrial centers in Serbia, a center of electronics industry, industry of mechanical engineering, textile and tobacco industry. Constantine the Great Airport is its international airport. In 2013 the city was host to the celebration of 1700 years of Constantine’s Edict of Milan.

GPS Coordinates
43°18'23.4"N
21°53'13.3"E

VENUE:
Tami Residence Hotel****
Niš, Serbia

www.tamiresidence.com
Honorable participants, we have negotiated travel discounts and secured a limited number of reduced-rate hotel rooms to make your trip to Nis affordable. These hotels have been selected because they are well-situated, provide best rates and have consistently shown a high level of service. Please select and book preferred accommodation online on our website www.snssspine2018.talkb2b.net.

TAMI RESIDENCE 4*
Headquarters Hotel / Conference hotel
Durmitorska N/A, Niš, Serbia
Located just 2.5 km from the city’s historic center, offers free Wi-Fi access and rooms with satellite TV. Parking is free. Constantine the Great Airport is less than 5 km away.

NEW CITY HOTEL 4*
Vožda Karađorđa 12, Niš, Serbia
Distance from Headquarters Hotel: 2.4 km
Set in a central location right across the main square, New City Hotel offers modernly decorated and spacious rooms and a restaurant. Free Wi-Fi is available throughout the property. Constantine the Great Airport in Niš is located at a distance of only 4 km.

HOTEL ALEKSANDAR 3*
Njegoševa 81 A, Niš, Serbia
Distance from Headquarters Hotel: 0.7 km
Boasting panoramic views over Nis, Hotel Aleksandar is only 4 minutes from the city center, providing 3 restaurants, free guarded parking and free Wi-Fi. Constantine the Great Airport in Niš is located at a distance of only 4 km.

ACCOMMODATION CANCELLATION TERMS
- Requests for accommodation cancellation must be submitted in writing to the Congress Secretariat at spineresobia2018@snss.org.rs. Refund will be made only after the conference and only applicable under following circumstances.
- For cancellations received until September 1st 2018 refund of accommodation fees will be 100%.
- For cancellations received between September 2nd and September 20th 2018 refund of accommodation fees will be 50%.
- For cancellations received on September 21st 2018 and after, no refund
- 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 spineresobia2018@snss.org.rs
- For more information about accommodation in Niš, please see recommendation of the Tourism Organization of Niš at http://www.visitnis.com/hotels.html.
HOW TO GET TO NIS

By Air

Serbia has two international airports, the main one being Belgrade's Nikola Tesla International Airport (BEG) with an ideal location at the crossroads of major air routes with 37 airlines connecting the capital of Serbia with more than 70 destinations throughout Europe, Middle East and North Africa in scheduled, charter and cargo air traffic.

E-70 and E-75 international routes connect all major towns in Serbia (Belgrade, Novi Sad, Subotica, Niš...). Belgrade lies along the E-70 and E-75 connecting Western and Northern Europe on one side and Southern and Eastern Europe on the other. Serbia has 40,000 km of roadways, including 600 km of expressways.

By Bus

By Rail

The capital city, Belgrade, has regular and direct rail connections with capital cities in Central and Eastern Europe. International passenger trains include a regular day and night train, the 'Avala', that goes from Belgrade to Budapest, and Vienna. There are also trains on every-day basis running from Belgrade to Zurich (Switzerland), Munich (Germany), Ljubljana (Slovenia), Banja Luka (Bosnia), Sofia (Bulgaria), Bucharest (Romania), and Thessaloniki (Greece).

Niš is well connected to the European and Serbian railroad network. The train station is not far from the city centre while main bus station is 10 minutes walking distance. Only 10 minutes from the centre is the airport, Constantine the Great. Its huge runway is adequate for landing big planes and suitable for charter flights.
HOW TO GET TO NIS

DIRECT FLIGHTS TO / FROM NIŠ

**RYANAIR:**
- Bergamo (Milano) - Tuesday and Saturday
- Bratislava - Monday and Friday
- Berlin - Thursday and Sunday
- Dusseldorf, Weeze Airport - Thursday and Sunday
- Stockholm - Thursday and Sunday

**WIZZ AIR:**
- Dortmund - Monday and Friday
- Basel - Tuesday, Thursday and Saturday
- Memmingen (Munich) - Tuesday and Saturday
- Malmo - Monday and Friday

**SWISS:**
- Zurich - Wednesday, Friday and Sunday
Registration and abstract submission are available at the Congress website:

www.snssspine2018.talkb2b.net

Welcome to Niš, Serbia!

SNSS & SeENS
Technical support and organisation:

Ultra Marine d.o.o.
tel. +381 11/361 89 89, +381 11/334 81 58
fax. +381 11/334 82 55, +381 11/334 94 51
e-mail: spineserbia2018@snss.org.rs
office@snss.org.rs
office@ultramarine.rs
web: www.snss.rs