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Serbian Neurosurgical
Society



Association of
Neurosurgeons of Russia
IN CONJUNCTION WITH



Russian Association of
Spinal Surgeons



HRVATSKO DRUŠTVO ZA
SPINALNU KIRURGIJU
Hrvatsko društvo za kirurški
lečenje kičmenog stuba

Croatian Society for Spine Surgery



Spine Experts Group

JOINT VENTURE WITH



wfns
**SPINE
COMMITTEE**

WFNS Spine Committee



**Under the auspices of the President of
the Republic of Serbia
H.E. Mr. Aleksandar Vučić**

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, Nis, Serbia*

Who can attend?

*Neurosurgeons, Orthopedists, Spine Specialists, Spine Related Physicians
(Rehab Specialists, Chiropractors, Pain Specialists, Rheumatologists)*

www.snssspine2018.talkb2b.net

4th Annual meeting
of Serbian
Neurosurgical Society



Joint meeting with
Southeast Europe
Neurosurgical
Society

WELCOME MESSAGE

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 NIS, 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 Nis 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 – 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 Nis.

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.

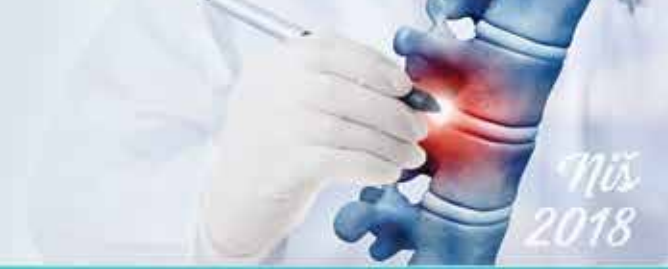
The host city of Nis, with its unique spirit, is a venue that is particularly well-suited to the concept of borderless cooperation. Nowadays the third largest city of Serbia, Nis has from ancient times been considered a gateway between the East and the West. Notably, it is the birthplace of Constantine 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 Nis in October 2018, convinced that our gathering will provide many memorable scientific and social moments.

We look forward to welcoming you in Nis!

Prof. Dr Lukas Rasulic
President of the Serbian
Neurosurgical Society
Honorary President
of the Congress





WELCOME MESSAGE

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

N.N. Burdenko National Scientific &
Practical Center for Neurosurgery,
Director



Nikolay Konovalov, MD, PhD
Professor of Neurosurgery

N.N. Burdenko National Scientific &
Practical Center for Neurosurgery,
Head of Department of Spinal Neurosurgery

WELCOME MESSAGE

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 Nis, 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

WELCOME MESSAGE

Dear Colleagues,
Ladies and Gentlemen,

As the Honorary President of SouthEast Europe Neurosurgical Society and Croatian Society for Spine Surgery it is my great pleasure and honor to announce and invite You to to the 4th Annual meeting of the Serbian Neurosurgical Society and joint meeting "SPINE SURGERY IN 21th CENTURY-CURRENT CONCEPT, CONTRO-VERSIES, 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 Nis, Serbia, on October 4-7 2018.

The Southeast Europe Neurosurgical Society (SeENS, www.seens.eu) has been founded in 2012. SeENS has succeeded to rebuilt liasons 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 Nis, were Emperor Constantin, the „Emperor of the Christian people“ was born.

I cordially invite You to Nis, 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

WELCOME MESSAGE

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 Nis, 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 Nis, 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, Nis 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
Professor of Neurosurgery
President of the Organizing Committee



Under the auspices of the
President of the Republic of Serbia
H.E. Mr. Aleksandar Vucic

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Belgrade, Serbia

Prof. Dr Alexander Potapov
Moscow, Russia

Prof. Dr Nikolay Konovalov
Moscow, Russia

Prof. Dr Kresimir Rotim
Zagreb, Croatia

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Dr Milan Lepic, Serbia

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Saftic Robert, Croatia
Sajko Tomislav, Croatia
Sala Francesco, Italy
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Sanyal Sujoy, India
Schaller Karl, Switzerland
Selviaridis Panagiotis, Greece
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Shulev Yury, Russia
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Sorokovikov Vladimir, Russia
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Tissen Teodor, Russia
Tomasello Francesco, Italy
Turel Keki, India
Vajkoczy Peter, Germany
Ventura Norberto, Spain
Vissarionov Sergey, Russia
Vorsic Matjaz, Slovenia
Vukic Miroslav, Croatia
Vulekovic Petar, Serbia
Yaman Onur, Turkey
Zakirov Bahramkhon, Russia
Zileli Mehmet, Turkey
- SPECIAL GUEST LECTURE:**
Prof. Dr Nenad Filipovic
Rector of University
of Kragujevac, Serbia

ACCREDITATION



EUROPEAN ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION (EACCME®)

**“THE SPINE SURGERY IN XXI CENTURY- CURRENT CONCEPT,
CONTROVERSIES, PERSPECTIVES, Nis, Serbia, 04/10/2018-07/10/2018
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Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.”

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THE HEALTH COUNCIL OF THE REPUBLIC OF SERBIA

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



SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

PRE-MEETING WORKSHOP AND COURSE



**October 4-7
2018**

Niš, Serbia

Venue:
Tami Residence
Hotel



PRE-MEETING WORKSHOP

Thursday, October 4th, 2018

- 09.00 - 09.15 Registration
- 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, Restaurant Sunset, Hotel "Tami Residence"**



PRE-MEETING COURSE

Thursday, October 4th, 2018

11.00 - 11.15 Registration

11.15-18.15 **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.

11.15- 11.45 **MCT SEE Company presentation**

11.45 - 12.00 **Case report I**
Doc. Dr Matjaz Vorsic

12.00- 12.15 *Coffee break*

12.15- 14.30 **Live surgery**
Doc. Dr Matjaz Vorsic
Prof. Dr Nebojsa Stojanovic

14.30-14.45 *Case discussion*

14.45-15.15 *Brunch*

15.15-15.30 **Case report II**
Doc. Dr Matjaz Vorsic

15.30- 17.45 **Live surgery**
Doc. Dr Matjaz Vorsic
Prof. Dr Nebojsa Stojanovic

17.45-18.00 *Case discussion*

18.00-18.15 Certificates

20.00-22.00 **Welcome Faculty Reception, Restaurant Sunset, Hotel "Tami Residence"**



SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

SCIENTIFIC PROGRAM



October 4-7
2018

Niš, Serbia

Venue:
Tami Residence
Hotel



SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

SCIENTIFIC PROGRAM

Friday, October 5th, 2018

HALL 1

07.30 Registration

OPENING CEREMONY

08.00-09.00 **Welcome Addresses**

- Prof. Dr Lukas Rasulic, Co-President of the Congress, SNSS President, SeENS President
- President of the Republic of Serbia
- Ministry of Health of the Republic of Serbia
- H.E. Mr. Alexander Chepurin, Ambassador Extraordinary and Plenipotentiary, Embassy of the Russian Federation
- Prof. Dr Nikolay Konovalov, Co-President of the Congress
- Prof. dr Alexander Potapov, Honorary President of the Congress, Director of N. N. Burdenko Neurosurgical Institute
- Prof. Dr Alexander Konovalov, Honorary President of the Congress, President of the Association of Neurosurgeons of Russia
- Prof. Dr Mehmet Zileli, Chair of the WFNS Spine Committee
- Prof. Dr Artem Gushcha, President of the Association of Spinal Surgeons of Russia
- Prof. Dr Kresimir Rotim, Honorary President of the Congress, SeENS Honorary President, President of the Croatian Society for Spine Surgery
- Prof. Dr Zdeslav Milinkovic, Spinal Center Milinkovic, Founding member and First President of Spine Experts Group
- Prof. Dr Kenan Arnautovic, AANS, Chair, International Collaboration Committee
- Acad. Vladimir Kostic, President, Serbian Academy of Sciences and Arts
- Prof. Dr Dragan Antic, Rector of the University of Nis
- Prof. Dr Dobrila Stankovic Djordjevic, Dean of the Faculty of Medicine, University of Nis
- Prof. Dr Zoran Radovanovic, Director of the Clinical Center of Nis
- Prof. Dr Nebojsa Stojanovic, President of the International Organizing Committee
- Mr. Darko Bulatovic, Mayor of Nis

SNSS Tribute: MILIVOJE KOSTIC LECTURE 1

09.00-09.30 **Where Will We Be Tomorrow: The Future of Minimally Invasive Surgery**

Kevin Foley, USA

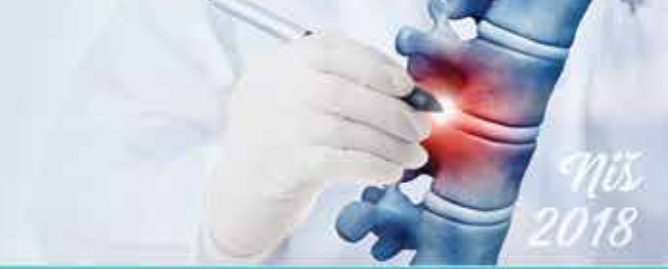
INTRO Lukas Rasulic

SNSS Tribute: MADJID SAMII LECTURE

09.30-10.00 **Problems and Solutions in Geriatric Spine Surgery**

Mehmet Zileli, Turkey

INTRO Lukas Rasulic



PLENARY SESSION 1

Moderators: Lukas Rasulic, Nikolay Konovalov, Kresimir Rotim

HALL 1

- 10.00-10.20 **Tumor Surgery of Craniovertebral Junction**
Madjid Samii, Germany
- 10.20-10.40 **Lumbar dynamic pedicle-based stabilization versus fusion in degenerative disease: preliminary results of the DYNORFUSE prospective randomized trial**
Bernhard Meyer et al., Germany
- 10.40-11.00 **Surgical treatment of intramedullary tumors: experience of more than 700 cases**
Nikolay Konovalov, Russia
- 11.00-11.20 **Spine Surgery Today: Appropriate or Over Indication?**
Francesco Tomasello, Italy
- 11.20-11.40 **Spinal Surgery in Russia - Trends, Highlights, Outstanding Issues**
Artem Gushcha, Russia
- 11.40-12.00 *Coffee break*

MAIN SCIENTIFIC SESSION 1: DEGENERATIVE SPINE

Moderators: Mehmet Zileli, Artem Gushcha, Petar Vulekovic

HALL 1

- 12.00-12.15 **KEY NOTE LECTURE**
Cervical myelopathy - new insights into pathophysiology and treatment
Peter Vajkoczy, Germany
- 12.15-12.30 **KEY NOTE LECTURE**
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
Kenan Arnautovic, USA
- 12.30-12.45 **KEY NOTE LECTURE**
Surgical Management of Intradural tumors at the craniovertebral junction region
Ioan Stefan Florian et al., Romania
- 12.45-13.00 **Electrophysiological Monitoring in Spinal Disease**
Francesco Sala, Italy
- 13.00-13.15 **Surgical Outcome Prognosis for Degenerative Lumbar Spine Disease**
Anton Nazarenko, Russia
- 13.15-13.30 **Three and Four Level ACDF: How I Do It**
Ibrahim Omerhodzic et al., Bosnia and Herzegovina
- 13.30-14.15 *Lunch*
- 13.30-14.15 *Commercial Symposium HAAG STREIGHT SURGICAL - Exhibition Area*
- 13.30-14.15 **Serbian Neurosurgical Society EC Meeting - Board room**

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

MAIN SCIENTIFIC SESSION 2: DEGENERATIVE SPINE

Moderators: Bernhard Meyer, Alberto Delitala, Ioan Stefan Florian

HALL 1

- 14.15-14.30 **KEY NOTE LECTURE**
The anterior unkoforaminotomy in treatment of patients with radicular pain caused by lateral stenosis at degenerative cervical spine pathology
Vladimir Klimov et al., Russia
- 14.30-14.45 **KEY NOTE LECTURE**
Experiences with „percutaneous laser disc decompression“ by a diode laser - a minimal invasive outpatient treatment for contained disc herniations
Gregor Kienbacher, Austria
- 14.45-15.00 **Intraoperative neurophysiological monitoring in degenerative cervical spine surgery**
Petar Vulekovic, Serbia
- 15.00-15.15 **Degenerative lumbar spine: protocols and when the unusual approaches are better**
Dmitry Dzukaev, Russia
- 15.15-15.30 **Failed back surgery**
Tomislav Cigic, Serbia
- 15.30-15.45 **New concepts for using the arthroplasty in the degenerative changes of the cervical spine**
Matjaz Vorsic et al., Slovenia
- 15.45-16.00 **Reconstructive surgery of the cervical spine - Indications**
Nebojsa Stojanovic, Serbia
- 16.00-16.15 **My Experience with Cervical Spine Surgery and Stabilization**
Venko Filipce, Macedonia
- 16.15-16.30 **Lumbar spine stenosis: prevalence and morphology of ossification of the ligamentum flavum**
Vladimir Sorokovikov et al., Russia
- 16.30-16.45 *Discussion*
- 16.45-17.00 *Coffee break*

ORAL PRESENTATIONS 1

Moderators: Dmitry Dzukaev, Miroslav Vukic, Goran Pavlicevic

HALL 1

- 17.00-17.10 OP1. **Dr. Vladimir Petrovich Pasek - the first registrated neurosurgeon?**
Milan Spaic, Serbia
- 17.10-17.20 OP2. **Degenerative lumbar spine**
Vesna Nikolov, Serbia
- 17.20-17.30 OP3. **Dynamic Stabilization with Polyetheretherketone (PEEK) Rods: Mid-term Results (5 Years) in Lumbar Spine Degenerative Diseases in a Comprehensive Patients Series-Radiological and Clinical Assessment**
Ahmet Öğrenci, Turkey
- 17.30-17.40 OP4. **Cervical Radiculopathy vs. Carpal Tunnel Syndrome - the shared theritory**
Miljan Bulatovic et al., Serbia
- 17.40-17.50 OP5. **Iatrogenic injuries of the paravertebral vessels at operative treatment of the lumbal vertebra disc hernias - presentation of the two cases**
Andrej Prlja, Slovenia
- 17.50- 18.00 OP6. **Anesthesia in spine surgery with neuromonitoring: current concept and our experience**
Sanja Maricic Prijic et al., Serbia
- 18.00-18.10 OP7. **Anterior sacral meningocele in children - diagnostic and therapeutic strategies**
Mirjana Raicevic et al., Serbia
- 18.10-18.20 OP8. **Does transvers diametere of the cervical spinal canal play a role on CSM development?**
Murat Sayin, Turkey
- 18.20-18.30 OP9. **Pedicle screw fixation in osteoporotic fractures**
Mohamed Mohi Eldin, Egypt
- 18.30-18.40 OP10. **Our experience with Caspar microsurgical discectomy**
Tomaz Velnar et al., Slovenia
- 18.40-18.50 OP11. **Prognostic value of intraoperative monitoring in spinal surgery**
Boban Joksimovic et al., Serbia
- 18.50-19.00 *Discussion*
- 08.00 -19.00 **E-POSTER PRESENTATION**
Area for Poster presentation
- 20.00-01.00 *Gala dinner*

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

MAIN SCIENTIFIC SESSION 3: SPINE TRAUMA AND INFECTIONS

Moderators: Vadim Manukovsky, Ljubodrag Minic, Fatos Ollashi

HALL 2

- 12.00-12.15 **KEY NOTE LECTURE**
Current concept of chronic spondylitis
Aleksandr Mushkin et al., Russia
- 12.15-12.30 **KEY NOTE LECTURE**
Modification of short-segment fixation with pedicle screws in fracture site without fusion for thoracolumbar fractures
Vladimir Lalošević et al., Serbia
- 12.30-12.45 **KEY NOTE LECTURE**
Adverse effects of steroid therapy in acute spinal cord injury management
Victor Rerikh et al., Russia
- 12.45-13.00 **MIS instrumentation in trauma**
Nikolay Gabrovsky et al., Bulgaria
- 13.00-13.15 **Early surgery and instrumentation in cervical spine tuberculosis - rationale and decision making**
Harjinder S. Bhatia et al., India
- 13.15 - 13.30 **Unilateral recurrent lumboischialgia of unknown cause - a diagnostic and therapeutic challenge**
Ivan Stefanović, Serbia
- 13.30-14.15 *Lunch*
- 13.30-14.15 *Commercial Symposium HAAG STREIGHT SURGICAL, Exhibition Area*
- 13.30-14.15 *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

HALL 2

- 14.15-14.30 **KEY NOTE LECTURE**
Treatment of chronic pain after transpedicular fixation
Tito Perilla, Colombia
- 14.30-14.45 **KEY NOTE LECTURE**
Complications in spine surgery
Keki Turel, India
- 14.45-15.00 **Spine and spinal cord disorders: advanced treatment concept**
Dmitry Asyutin, Russia
- 15.00-15.15 **Endovascular treatment of spinal AVMs and vascular tumors**
Teodor Tissen, Russia
- 15.15-15.30 **Radiosurgery For Spinal Metastasis**
Selçuk Peker, Turkey
- 15.30-15.45 **Chronic spinal cord stimulation in the treatment of failed back surgery syndrome**
Emil Isagulyan et al., Russia
- 15.45-16.00 **Intraoperative neurophysiological monitoring for spinal cord tumors surgery**
Slavko Djurasković et al., Montenegro

16.00-16.15 **Results of surgical treatment of cavernous malformations of the spinal cord**
Bahramkhon Zakirov et al., Russia

16.15-16.30 **Spinal cord tumors in Montenegro**
Novak Lakicevic, Montenegro

16.30-16.45 *Discussion*

16.45-17.00 *Coffee break*

ORAL PRESENTATIONS 2

Moderators: Sergey Mlyavykh, Novak Lakicevic, Venko Filipce

HALL 2

17.00-17.10 **OP12. Cervical spinal stenosis treatment by interlaminar full endoscopy**
Marcio Ramalho da Cunha et al., Brazil

17.10-17.20 **OP13. Severity of the spinal stenosis - a novel classification method**
Milenko Stanic et al., Serbia

17.20-17.30 **OP14. Economic costs in discitis treatment**
Mustafa Ogden, Turkey

17.30 - 17.40 **OP15. Transcorporeal anterior cervical microforaminotomy; a motion preserving surgery in pure brachialgia**
Moshiur Rahman, Bangladesh

17.40-17.50 **OP16. Role of the O-arm and neuronavigation in the management of complex spine surgery cases**
Walid Attia et al., Saudi Arabia

17.50-18.00 **OP17. Predictors of surgical outcome in cervical spondylotic myelopathy**
Drazen Ivetic, Serbia

18.00-18.10 **OP18. Use of nitinol rods for fixation of the lumbar spine (prospective multi-center study)**
Kazmin Arkadii et al., Russia

18.10-18.20 **OP19. The role of endoscopy in treating spinal stenosis**
Miljan Mihajlovic et al., Serbia

18.20-18.30 **OP20. Age-related prevalence of degenerative cervical pathology**
Niamen Patrice Koffi et al., Morocco

18.30-18.40 **OP21. Factors affecting outcome after lumbar disc surgery - How close are we to good outcome prediction?**
Mladen Karan et al., Serbia

18.40-18.50 **OP22. Surgical treatment of thoracic disc herniation - case report**
Bojan Jelaca et al., Serbia

18.50-19.00 *Discussion*

08.00 -19.00 **E-POSTER PRESENTATION**
Area for Poster presentation

20.00-01.00 *Gala dinner*

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

Saturday, October 6th, 2018

07.30 Registration

PLENARY SESSION 2

Moderators: Madjid Samii, Francesco Tomasello, Andrey Grin

HALL 1

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

SNSS Tribute: MILIVOJE KOSTIC LECTURE 2

09.40-10.10 **Low-grade infection in spinal instrumentation: is this the real cause of screw loosening?**
Bernhard Meyer, Germany
INTRO Lukas Rasulic

SPECIAL GUEST LECTURE

10.10-10.30 **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

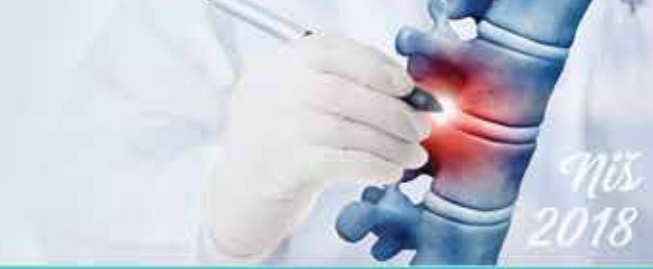
HALL 1

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 et al., 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

11.30-11.45 **Cervical arthroplasty with discover; long term results and influence
on the cervical biomechanics**
Miroslav Vukic et al., Croatia



- 11.45-12.00 **Spinal navigation: past, present and future**
Francesco Costa et al., Italy
- 12.00-12.15 **MISS (minimally invasive spinal surgery, the concept. MISS is not a miss-surgery)**
Nikolay Peev, Ireland
- 12.15-12.30 **The new philosophy of spine surgery in spinal cords or nerve root's compressive syndromes**
Michalakis Spyrou et al., Cyprus
- 12.30-12.45 **A neuro-fuzzy model for supporting the diagnosis of lumbar disc herniation**
Miodrag Peulic, Serbia
- 12.45-13.00 Discussion

13.00-13.30 *Lunch*

13.00-13.30 *Commercial Symposium KOC UNIVERSITY, Exhibition Area*

13.00-13.30 **Southeast Europe Neurosurgical Society EC Business Meeting - Board Room**

13.30-14.15 **RAPID CROSSFIRE SESSION 1**
COMPLEX AND COMPLICATED CASES - OPEN ACCESS PANEL SESSION
Moderators: Mehmet Zileli, Karl Schaller, Jesus Lafuente, Enrique Osorio-Fonseca, Nebojsa Stojanovic

MAIN SCIENTIFIC SESSION 6: SPINE TRAUMA
Moderators: Torstein Meling, Aleksandr Mushkin, Nebojsa Stojanovic

HALL 1

- 14.15-14.30 **KEY NOTE LECTURE**
Management of fractures in ankylosing spondylitis
Mehmet Zileli, Turkey
- 14.30-14.45 **KEY NOTE LECTURE**
Minimal invasive surgery in spine trauma
Tiberiu Maior, Romania
- 14.45-15.00 **CSF leakage following spine surgery: prevention and management**
İhsan Solaroğlu, Turkey
- 15.00-15.15 **War injuries of the spinal cord**
Ljubodrag Minic, Serbia
- 15.15-15.30 **Cervical spine fracture**
Fatos Olldash, Albania
- 15.30-15.45 **Trauma of the spinal column - what should be seen by a neuroradiologist in order for the neurosurgeon to do what needs to be done**
Zoran Radovanovic, Serbia
- 15.45-16.00 **Central cord syndrome**
Panagiotis Selviaridis, Greece
- 16.00-16.15 **Spine injuries and disorders - emergency centre as a crossroad for right treatment**
Miljan Jovic et al., Serbia
- 16.15-16.30 *Discussion*
- 16.30-16.45 *Coffee break*

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

MAIN SCIENTIFIC SESSION 7: SPINE TUMORS

Moderators: John Duff, Panagiotis Selviaridis, Tomislav Cigic

HALL 1

- 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 et al., 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 et al., Serbia
- 19.00-19.15* *Discussion*

08.00-19.15 **E-POSTER PRESENTATION**
Area for Poster presentation

20.30-01.00 *Traditional Serbian Dinner*



MAIN SCIENTIFIC SESSION 8: MINIMAL INVASIVE SPINE SURGERY

Moderators: Sergey Mlyavykh, Marko Markovic, Mitja Benedicic

HALL 2

- 10.45-11.00 KEY NOTE LECTURE**
Endoscopic approaches in lumbar degenerative diseases
Enrique Osorio-Fonseca et al., Colombia
- 11.00-11.15 KEY NOTE LECTURE**
Preliminary experience with percutaneous cervical arthrodesis and fusion
Giovanni Broggi, Italy
- 11.15-11.30 Percutaneous endoscopic transforaminal approach for foraminal and extraforaminal disc herniations: 5-year experience**
Natale Francaviglia et al., Italy
- 11.30-11.45 Full-endoscopic system utilization for decompression of nerve structures on lumbar level of the spine. first experience report**
Vasily Korolishin, Russia
- 11.45-12.00 Lumbar angioliipoma removal via percutaneous endoscopic interlaminar approach**
Marcio Ramalho da Cunha et al., Brasil
- 12.00-12.15 Mini-invasive and innovative technologies in the surgery of the pathological processes of the skull base and the craniovertebral junction**
Alexey Shkarubo, Russia
- 12.15-12.30 Minimally invasive approach for surgical treatment of craniovertebral junction meningiomas**
Stanislav Kaprovoy et al., Russia
- 12.30-12.45 CT accuracy of percutaneous vs open and manually-registered pedicle screw techniques: a single center non-randomized clinical trial**
Alexandros Brotis et al., Greece
- 12.45-13.00 Discussion*
- 13.00-13.30 Lunch*

13.00-13.30 Commercial Symposium KOC UNIVERSITY, Exhibition Area

13.30-14.15 RAPID CROSSFIRE SESSION 2

COMPLEX AND COMPLICATED CASES - OPEN ACCESS PANEL SESSION

Moderators: Bernhard Meyer, Nikolay Konovalov, Kevin Foley, John Duff, Peter Banczerowski

SPINE SURGERY IN XXI CENTURY

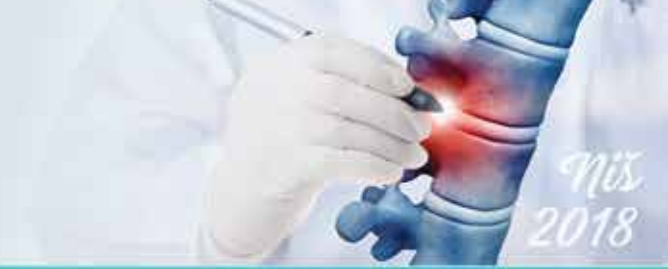
current concept, controversies, perspectives

MAIN SCIENTIFIC SESSION 9: DEGENERATIVE SPINE

Moderators: Kenan Arnautovic, Dmitry Dzukaev, Yavor Enchev

HALL 2

- 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 et al., 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 et al., Serbia
- 16.00-16.15 **Central Cord Syndrome - Surgical Treatment Nuances**
Nenad Novakovic et al., Serbia
- 16.15-16.30 *Discussion*
- 16.30-16.45 *Coffee break*



MAIN SCIENTIFIC SESSION 10: GROWING SPINE AND ADULT DEFORMITIES

Moderators: Aleksandr Mushkin, Bruno Splavski, Zdeslav Milinkovic

HALL 2

- 16.45-17.00 KEY NOTE LECTURE**
Surgical treatment of adolescent idiopathic scoliosis
Norberto Ventura, Spain
- 17.00-17.15 KEY NOTE LECTURE**
Sagittal balance in spinal neurosurgery
Evgeny Brinyuk, Russia
- 17.15-17.30 KEY NOTE LECTURE**
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
Sujoy Sanyal, India
- 17.30-17.45 Treatment of the degenerative diseases of vertebral column**
Branko Djurovic, Serbia
- 17.45 -18.00 Comparative analysis of surgical treatment of patients with congenital thoracic spine deformities using thoracic expansion devices and spinal correction and fusion**
Sergey Vissarionov, Russia
- 18.00-18.15 Segmental stabilisation of pathologic fractures of thoracolumbar spine**
Stanko Milickovic, Serbia
- 18.15-18.30 Post operative pain in lumbar degenerative spine surgery**
Said Ait Benali, Morocco
- 18.30-18.45 Modern treatment options for degenerative scoliosis**
Goran Pavlicevic, Serbia
- 18.45-19.00 Surgical treatment of single level degenerative cervical disc disease treated with ACDFP**
Aleksandar Caparoski et al., Macedonia
- 19.00-19.15 Discussion**
- 08.00-19.15 E-POSTER PRESENTATION**
Area for Poster presentation
- 17.00-18.00 E-POSTER EVALUATION AND DISCUSSION SESSION**
Area for Poster presentation
Moderators: Martin Smrcka, Anton Nazarenko, Vladimir Papic
- 20.30-01.00 Traditional Serbian Dinner**

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

Sunday, October 7th, 2018

07.30 Registration

PLENARY SESSION 3

Moderators: : Dmitry Ptashnikov, Peter Banczerowski, Roberto Delfini

HALL 1

08.00-08.20 **Outpatient Cervical Spine Surgery**
Eirik Helseth, Norway

08.20-08.40 **The videoendoscopic techniques in the surgical treatment of patients with thoracolumbar trauma**
Andrey Grin et al., Russia

08.40-09.00 **Current concept in minimal invasive spine surgery**
Kresimir Rotim, Croatia

09.00-09.20 **The correction of degenerative scoliosis of adults with the use of minimally invasive technologies (LLIF, ALIF, MIS posterior fixation)**
Vladimir Klimov et al., Russia

09.20-09.40 **Surgical management of the vascular malformations of the spinal cord**
Marcel Ivanov, UK

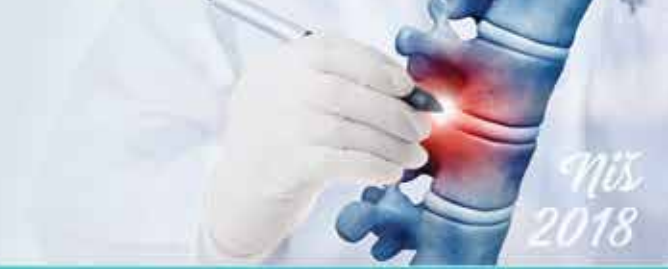
09.40-10.00 **Multilevel VCR in the treatment of complex spinal deformities in adults**
Dmitry Ptashnikov, Russia

SNSS Tribute: MADJID SAMII LECTURE 2

10.00-10.30 **Modern aspects of minimally invasive spinal surgery, ICT and navigation**
Nikolay Konovalov, Russia

INTRO Lukas Rasulic

10.30-10.45 *Coffee break*



MAIN SCIENTIFIC SESSION 11: MINIMAL INVASIVE SPINE SURGERY

Moderators: Jesus Lafuente, Eirik Helseth, Andrey Grin

HALL 1

- 10.45-11.00 KEY NOTE LECTURE**
Evolution of minimally-invasive techniques in instrumented thoraco-lumbar surgery: our experience
Roberto Delfini, Italy
- 11.00-11.15 KEY NOTE LECTURE**
Role of minimal invasive techniques and new classification system in the surgical treatment of pathologies situated in the spinal canal
Peter Banczerowski et al., Hungary
- 11.15-11.30 Do obese patients benefit from minimally invasive lumbar fusion techniques?**
Wolfgang Senker, Austria
- 11.30-11.45 MIS Techniques in Our Adult Deformity Practice: Real Opportunities and Pitfalls**
Sergey Mlyavykh et al., Russia
- 11.45-12.00 Full-endoscopic operations of lumbar disc herniation and spinal stenosis - state of the art, possibilities and retrospective review of overall 1054 operated patients**
Marko Markovic et al., Serbia
- 12.00-12.15 Transforaminal endoscopic discectomy - why this is the best surgery what we can offer to our patients**
Robert Saftic et al., Croatia
- 12.15-12.30 Endoscopic-assisted fenestration and discectomy in lumbar disc hernia using EasyGo**
Roman Bosnjak et al., Slovenia
- 12.30-12.45 Percutaneous minimally invasive procedures for osteoporotic vertebral compression fractures - current concepts**
Yavor Enchev et al., Bulgaria
- 12.45-12.55 Discussion*

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

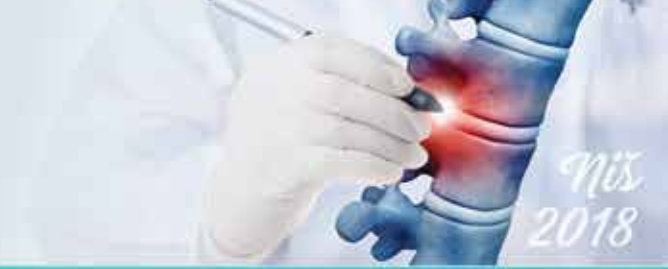
YOUNG NEUROSURGEONS FORUM - SNSS & SEENS AWARD SESSION

Moderators: Djula Djilvesi, Ibrahim Omerhodzic, Ivan Stefanovic,
Ljubodrag Minic, Tomislav Sajko

HALL 1

- 13.00-13.08 YA1. **Microsurgical Discectomy – Discectomy or Segmental Decompression, a Technical Approach**
Igor Popovic et al., Serbia
- 13.08-13.16 YA2. **Spinal Stenosis Patophysiology – Histological Analysis of the Ligamentum Flavum**
Vuk Aleksic et al., Serbia
- 13.16-13.24 YA3. **Stenosis versus Ischemia of the Spinal Canal – Contact Endoscopy Blood Flow Patterns**
Nenad Zivkovic et al., Serbia
- 13.24-13.32 YA4. **Ataxia of the Legs – Lumbar Spinal Stenosis vs. Alzheimer Disease**
Marko Samardzic et al., Serbia
- 13.32-13.40 YA5. **Current trends in lumbar disc surgery: Is there the right way?**
Jagos Golubovic et al., Serbia
- 13.40-13.48 YA6. **Short term outcome of surgical treatment of patients with lumbar disc herniation**
Miroslav Fimic et al., Serbia
- 13.48-13.56 YA7. **Is a picture worth a thousand words? Correlation between MRI findings and clinical presentation in patients with lumbar disc herniation and nerve root compression**
Filip Pajicic et al., Serbia
- 13.56-14.04 YA8. **Complications after surgery for thoracic disc herniation: a systematic review and network meta-analysis**
Christos Tzerefos et al., Greece
- 14.04-14.12 YA9. **Experience of using laser effects on the intervertebral disc with puncture access**
Angelina Gorodnina, Russia
- 14.12-14.20 YA10. **Comparative analysis of alo and auto transplants in cervical myelopathy solutions - multisegmental approach**
Luka Berilazic et al., Serbia
- 14.20-14.28 YA11. **Intramedullary melanocytoma of the cervical cord: case report**
Paschalis Tsolpidis et al., Greece

14.30-15.00 **YOUNG NEUROSURGEONS AWARD
BEST ORAL PRESENTATION AND E-POSTER AWARDS
CLOSING CEREMONY**



MAIN SCIENTIFIC SESSION 12: GROWING SPINE AND ADULT DEFORMITIES

Moderators: Sergey Vissarionov, Ibrahim Omerhodzic, Danilo Radulovic

HALL 2

- 10.45-11.00 KEY NOTE LECTURE**
The cervical spine congenital and genetic abnormalities and deformities
Alexander Gubin et al., Russia
- 11.00-11.15 KEY NOTE LECTURE**
Neurophysiological aspects to motor control of lumbar cord and spine
Milan Dimitrijevic, USA
- 11.15-11.30 Surgical techniques and planning in treatment of 3D spinal deformities**
Zdeslav Milinkovic, Serbia
- 11.30-11.45 Evaluating management strategies and outcome measures for patients with synovial cysts of the lumbar spine**
Bruno Splavski et al., Croatia
- 11.45-12.00 Non-traumatic cervical-thoracic surgical spinal pathology in children**
Alexander Mushkin et al., Russia
- 12.00-12.15 Efficacy of DREZ lesioning in managing pain following spinal cord injury**
Milan Spaic, Serbia
- 12.15-12.30 Surgery of adolescent idiopathic scoliosis**
Onur Yaman, Turkey
- 12.30-12.45 Cheap and efficient lumbar fixation and fusion**
Imad Talahma, Palestine
- 12.45-12.55 Discussion**

Friday, October 5th - Sunday, October 7th, 2018

E-POSTER SESSION

Area for Poster Presentation

EP1. Use of X-RAY guided transforaminal periradicular infiltration for sciatica

Nenad Zivkovic et al., Serbia

EP2. A novel approach in isthmic spondylolisthesis; spino-semilaminafacet sparing

Ahmet Öğrenci, Turkey

EP3. The Effect of the Location of Dural Tear and Repairment in Pneumocephalus After Spinal Surgery

Ahmet Öğrenci, Turkey

EP4. Spinal Dysraphism in Children: Our Experience in Ninety-Nine Patients

Mirjana Raicevic et al., Serbia

EP5. The effect of intraoperative positioning on lumbar lordosis

Murat Sayin, Turkey

EP6. Full-Endoscopic radiofrequency ablation for treatment of facet joint pain

Nenad Zivkovic et al., Serbia

EP7. Spontaneous regression of cervical disc herniation in a patient with myelopathy

Danilo Radulovic et al., Serbia

EP8. Cervical spondylotic myelopathy: 4 years of retrospective outcome analysis

Danilo Radulovic et al., Serbia

EP9. Intraoperative neurophysiological monitoring during anterior cervical discectomy and fusion

Vedrana Karan et al., Serbia

EP10. Recovery of the patients operated from lumbar disc hernia: risk factor - smoking

Aleksandar Kostic et al., Serbia

EP11. Comparison of cortical bone trajectory screws vs. transpedicular screws for spinal fusion at L4-L5 level

Pen Matic et al., Slovenia

EP12. Cervical spine trauma associated with multiline skull fracture (case report)

Boris Djurovic et al., Montenegro

EP13. Surgical treatment for lumbar disc herniation in the Clinical centre of Montenegro: statistical results from 2006-2018

Boris Djurovic et al., Montenegro



EP14. Isolated human intervertebral disc cells as a useful platform for in vitro toxicology assessment

Tomaz Velnar et al., Slovenia

EP15. The combination of spinal degeneration and oscillation may result in atypical cervical spinal cord injury: a case series

Tomaz Velnar et al., Slovenia

EP16. Patient satisfaction and functional outcome after standard lumbar discectomy and microdiscectomy

Vojin Kovacevic et al., Serbia

EP17. Factors that correlate with favorable outcome in surgical treatment of lumbar disc herniation

Vojin Kovacevic et al., Serbia

EP18. Complications in Treating the Patient with Malignant Peripheral Nerve Sheath Tumor-Case Report

Andrija Savic et al., Serbia

EP19. Full-Endoscopic Decompression of Spinal Canal for Patients with Spinal Stenosis: Prospective Randomized Trial of Overall 108 Patients

Marko Markovic et al., Serbia

EP20. Idiopathic Spontaneous Spinal Epidural Hematoma: Case Presentation and Literature Review

Jagos Golubovic et al., Serbia

EP21. Risk factors for recurrent lumbar disc herniation after single level microdiscectomy

Nebojsa Lasica et al., Serbia

EP22. Review of lumbosacral plexopathies in diabetic patients

Kristina Stepanovic et al., Serbia

EP23. Spontaneously resolved large extruded lumbar disc

Bojana Zivkovic et al., Serbia

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

SOCIAL PROGRAM

SPINE SURGERY IN XXI CENTURY

current concept, controversies, perspectives

THURSDAY

October 4th, 2018

WELCOME FACULTY RECEPTION

(by invitation only)

Venue: Restaurant Sunset, Hotel "Tami Residence", Nis, Serbia

20.00 - 22.00

FRIDAY

October 5th, 2018

GALA DINNER

Venue: Officers Club, Nis, Serbia

Address: Orlovica Pavla 28a, Nis

20.00 - 01.00

Dress code: Black tie

SATURDAY

October 6th, 2018

TRADITIONAL SERBIAN DINNER

Venue: Restaurant "Stara Srbija", Nis, Serbia

Address: Trg Republike 12, Nis

20.30 - 01.00

Dress code: Smart casual



GENERAL CONGRESS ABSTRACTS

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 on line on the web site <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.



YOUNG NEUROSURGEONS FORUM SEENS AND SNSS AWARDS

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.

Congress venue

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.

It is home to one of the oldest churches in Serbia, dating to the 4th century, located in the suburb of Mediana. The town was named after the Nišava River, which flows through the city and which was named Navissos by the Celtic.

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

Accommodation

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 spineserbia2018@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 spineserbia2018@snss.org.rs
- For more information about accommodation in Nis, please see recommendation of the Tourism Organization of Nis 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.

By Bus

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.

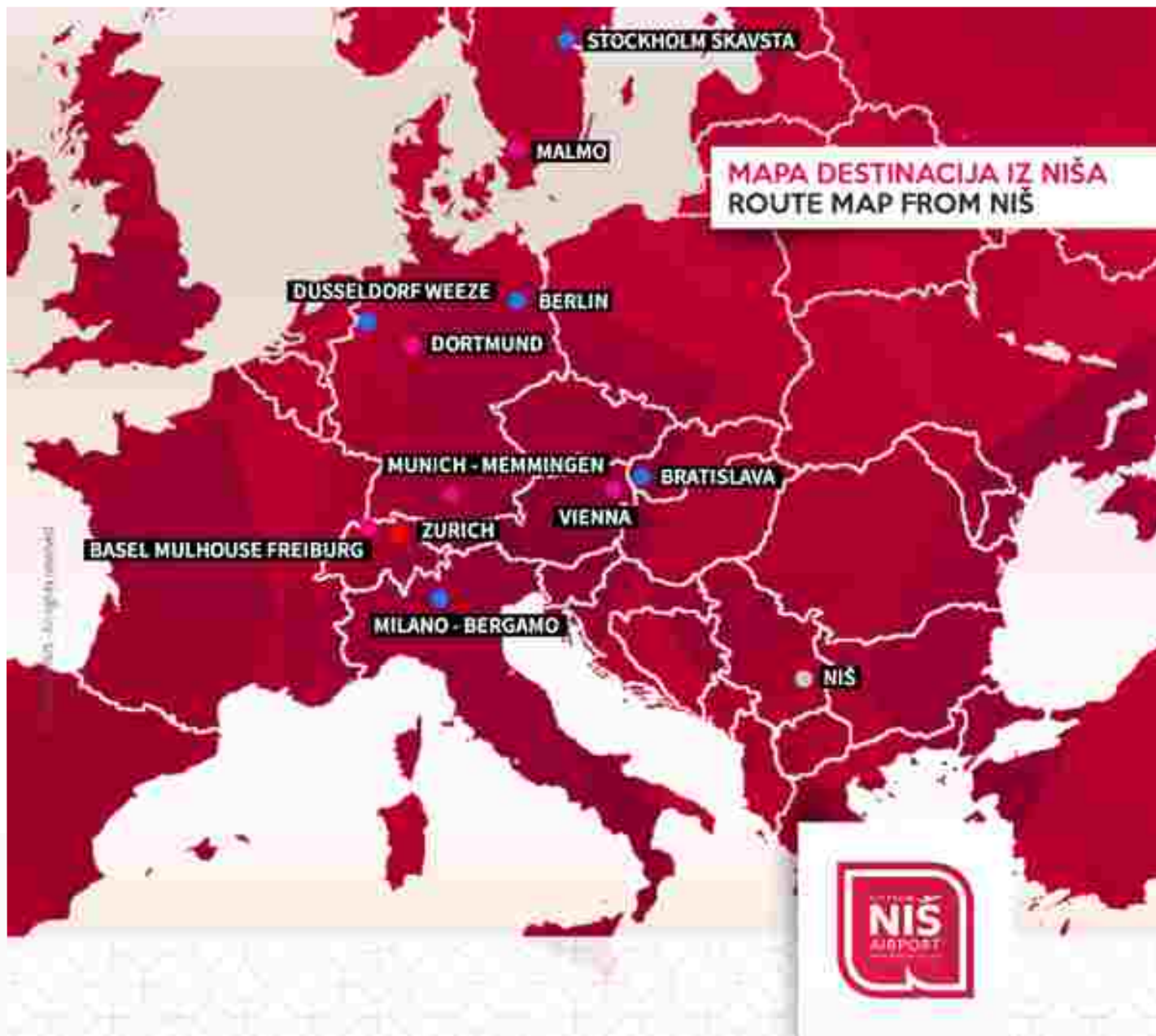
By Rail

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.



DIRECT FLIGHTS TO / FROM NIŠ



WIZZ AIR:

Dortmund - Monday and Friday
Basel - Tuesday, Thursday and Saturday
Memmingen (Munich) - Tuesday and Saturday
Malmo - Monday and Friday

RYANAIR:

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

SWISS:

Zurich - Wednesday, Friday and Sunday

Registration and abstract submission are available
at the Congress website:

www.snssspine2018.talkb2b.net

SNSS & SeENS
Technical support and
organisation:



**ULTRA
marine:**



Ultra Marine d.o.o.

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WELCOME TO NIŠ, SERBIA!

