

ANNOUNCEMENT & SCIENTIFIC PROGRAM



An unique opportunity to get immerse in peripheral nerve surgery with some of the best specialists of the world

2nd Theoretical, Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery

3rd Annual Meeting of Serbian Neurosurgical Society (SNSS)

Joint meeting with Southeast Europe Neurosurgical Society (SEENS)

94th Anniversary of Neurosurgery in Serbia

79th Anniversary of Clinic for Neurosurgery at Clinical Centre of Serbia

ORGANIZED BY

The Peripheral Nerve Surgery
Committee of the World
Federation of Neurosurgical
Societies (WFNS)



AND

University of Belgrade,
School of Medicine,
Institute for Anatomy



Department of Peripheral
Nerve Surgery, Functional
Neurosurgery and Pain
Management Surgery
Clinic for Neurosurgery,
Clinical Center of Serbia



Serbian Neurosurgical
Society (SNSS)

Southeast Europe
Neurosurgical Society (SEENS)



October 31st - November 3rd 2017

University of Belgrade / School of Medicine / Institute for Anatomy "Niko Miljanić"

Belgrade, Serbia

EACCME
TBA
SHC
15 CME credits

!
WFNS Grants
Available

Endorsed and sponsored by

WFNS
Serbian Neurosurgical
Society
Industry representatives

Course Directors

Lukas Rasulic
Mariano Socolovsky
Branislav Filipovic

Applied Anatomy Course Director

Laslo Puskas
Co-Director
Milan Milisavljević

COURSE DIRECTORS WELCOME ADDRESS

Dear colleagues, dear friends,

It is my utmost honour, pleasure and privilege to welcome you to the Second Theoretical, Practical & Hands-on International Course in Peripheral Nerve and Brachial Plexus Surgery, which will be held in Belgrade, Serbia, from October 31st to November 3rd 2017.

Building on the great success of its predecessor held in Leon, Spain last year, this important educational event – organized by the Peripheral Nerve Surgery Committee of the World Federation of Neurosurgical Societies (WFNS), this time in cooperation with the Clinic for Neurosurgery at the Clinical Center of Serbia, Institute for Anatomy at the Belgrade University School of Medicine, Serbian Neurosurgical Society, and Southeast Europe Neurosurgical Society – comprises a hands on cadaver course, the first of its kind in the field of peripheral nerve surgery in Southeast Europe. In line with the current trends in the world of neurosurgery, the course offers an outstanding platform for advancing highly specialized knowledge and skills towards the subspecialization in peripheral nerve surgery, grounded in the synergy and collaborative practice of neurosurgeons, orthopedic surgeons, plastic surgeons, hand surgeons and microsurgeons.

Appreciating the exceptional opportunity to perform hands-on skills training activities using cadavers, we thank the Belgrade University School of Medicine, especially the Institute of Anatomy, for all the support in creating the conditions to conduct this groundbreaking course, which will contribute to further high CME and CPE ranking.

We also thank the WFNS Preripheral Nerve Surgery Committee, especially the chairman Mariano Socolovsky, for acknowledging the merit

and reputation of the Department of Peripheral Nerve Surgery, Functional Neurosurgery and Pain Management Surgery at the Clinic for Neurosurgery, Clinical Centre of Serbia. At this point it is worth recalling the famous quote by the American anthropologist Margaret Mead: “Never doubt that a small group of thoughtful, committed citizens will change the world; indeed, it is the only thing that ever has.” We are glad to see that the 25-year-long dedicated efforts of a small group of committed neurosurgeons from Serbia, whose doyens include Miroslav Samardžić and late Zoran Roganović, have made Belgrade clearly visible on the world map of peripheral nerve surgery. This course bears witness of our commitment to keeping up to that legacy and facing the new challenges in the field. It is a welcome addition to the long list of the continued activities organized by the WFNS PNS Committee around the world over the past decade with active participation of the representatives from Serbia. With a view to the future, we cherish the remarkable professional collaboration and friendship in the Committee, and thank all the relevant institutions, as well as industry partners, for supporting our endeavours aimed at a better neurosurgery of tomorrow.

The course features a rich and dynamic programme, with a comprehensive multidisciplinary approach, covering a range from basic to innovative aspects of peripheral nerve and brachial plexus surgery in a stimulating way. The faculty include over forty world's leading experts from various pertinent disciplines.

Hence, and additionally in view of the fact that the host city of Belgrade is well known for its hospitality, I am confident that this event will open new perspectives and result in a memorable mind and soul enriching interprofessional and interpersonal exchange.

Welcome!

Prof. dr Lukas Rasulić

Course Director

SNSS President,

School of Medicine University of Belgrade

Head of Department of Peripheral Nerve Surgery, Functional Neurosurgery and Pain Management Surgery, Clinic for Neurosurgery, Clinical Center of Serbia, Belgrade, Serbia

Vice-Chairman of the Peripheral Nerves Surgery Committee of the World Federation of Neurosurgical Societies (WFNS),

SeENS Vice President



COURSE DIRECTORS WELCOME ADDRESS

Dear colleagues and friends:

It is my pleasure to welcome you all to this Second Theoretical Practical & Hands-On Course on Peripheral Nerve Surgery.

The Peripheral Nerve Committee of the World Federation of Neurosurgical Societies has been working actively over the last several years to increase the number of surgeons dedicated to surgically correcting pathology involving the peripheral nerves and plexuses. Thanks to the active participation of many specialists from different parts of the world, the committee has developed a number of activities, which include two books, a free online course (2015-2016) and several educational activities during WFNS Congresses.

The interest that has arisen in peripheral nerve surgery has, in turn, spurred the creation of a general course that includes all aspects of the subspecialty, from basic knowledge to all the surgical procedures, including those that are the most complex.

The First Course was held in the city of Leon, Spain, in 2016, and it was hugely successful, both in the number of participants and speakers. Therefore, we have decided to organize a Second Course in Belgrade, Serbia. For this second conference, the number of speakers has increased, as have the number of conferences and topics. We are firmly convinced that this constitutes a unique

opportunity for those interested in peripheral nerve surgery to meet many of the most renowned names in that field worldwide, all together in an informal setting where scientific discussions and direct interactions between speakers and participants is assured.

Any surgeon interested in peripheral nerve and plexus surgery, whether experienced or just a beginner, will surely find this course of tremendous use.

I want to sincerely thank Professor Lukas Rasulic and his team, first for accepting the huge responsibility of organizing this course; and second, for having worked so hard since then to ensure the best experience possible.

I also want to thank all of the speakers who have agreed to participate and generously share their knowledge. They have travelled here from different countries all around the world, each making a personal effort that deserves our recognition and gratitude.

Finally, I want to welcome all neurosurgeons, plastic surgeons, orthopedists, microsurgeons, physiatrists, physiotherapists, neurologists and other interested clinicians to take part in this special and highly-unique event. I firmly believe that they all will return home with their head full of new knowledge that they can readily apply in their clinical practice, to the benefit of their patients.

Dr Mariano Socolovsky

Course Director,

Chairman, Peripheral Nerve Committee,

World Federation of Neurosurgical Societies

Director, Peripheral Nerve & Plexus Surgery Unit,

Department of Neurosurgery,

University of Buenos Aires School of Medicine, Buenos Aires Argentina



COURSE DIRECTORS WELCOME ADDRESS

Dear colleagues, dear friends!

It is my pleasure and honor to have this opportunity to welcome you all on behalf of the entire staff to the course "Theoretical and Practical International Hands-on Course In Peripheral Nerve & Brachial Plexus Surgery", which partially will be held in our Institute of Anatomy "Niko Miljanic".

This is the first course of the kind that involves anatomy, as the basic subject, in the practical part of skill practice. Hic mortui vivantes docent, the old Latin proverb, „Here dead instruct living persons“,

means that the bodies of deceased, with all necessary respect, could serve us to educate students and doctors in the attempt to reach the excellence in medical profession. Our Institute is the oldest among all institutes and clinics of the University of Belgrade School of Medicine, definitely built in 1927, but the construction started in 1921, on the base of plans brought by our founder, Prof. Niko Miljanic, whose name our Institute wears proudly from 2006.

Once again, I wish you the fruitful education course to all attendants and a pleasant stay in Belgrade, famous by its hospitality throughout the World.

Prof. dr Branislav Filipović

*Chairman of The Institute of Anatomy "Niko Miljanic",
School of Medicine University of Belgrade,
Belgrade, Serbia*



Honorable guests and colleagues,

It is a great pleasure to greet attendants of "2nd Theoretical and Practical International Course In Peripheral Nerve & Brachial Plexus Surgery" which will partly take place at the Institute of Anatomy "Niko Miljanic."

The aim of the initiative of professor doctor Lukas Rasulic is interactive exchange of knowledge between us here, in Serbia, and You, respectable foreign participants of this unique convention. Quotation of the Latin sentence by executive manager of this training course, professor doctor Branislav Filipović that "the dead teach living" (mortui vivos docent) will be shown in practice during this course with full respect of human

material. In fact, for the first time on one medical training course, the anatomy will be included in full capacity after 90 years since construction of this building, in which practice part of lessons will takeplace. This training course, therefore, will give us not only chance for exchange and acquisition of the new knowledge, but also for beginning of incorporation of the anatomy as the basic science in the process of curing patients by the means of the neurosurgery.

Let us say it once again, "go forward in conquering of new knowledge," but we also wish you to enjoy during your stay in our city. I am sure that you will be cordially welcomed by your colleagues, and the city of Belgrade too.

Prof. dr Laslo Puškaš

*Head of the Department for Anatomy,
Institute of Anatomy "Niko Miljanic",
School of Medicine, University of Belgrade,
Belgrade, Serbia*



COURSE OVERVIEW

It is our great privilege, honor and pleasure to announce that the 2nd **Theoretical and Practical International Hands-on Course In Peripheral Nerve & Brachial Plexus Surgery of The Peripheral Nerve Surgery Committee of the World Federation of Neurosurgical Societies (WFNS)** will take a place in **Belgrade** during the period from **October, 31st until November, 3rd 2017**.

This Course, one of the world's top level multidisciplinary event in the field of the Peripheral Nerve Surgery (PNS), is going to be organized and hosted by:

The Peripheral Nerve Surgery
Committee of the World
Federation of Neurosurgical
Societies (WFNS)

University of Belgrade,
School of Medicine,
Institute for Anatomy

Department of Peripheral Nerve
Surgery, Functional Neurosurgery and
Pain Management Surgery,
Clinic for Neurosurgery,
Clinical Center of Serbia

Serbian Neurosurgical
Society (SNSS)

Southeast Europe
Neurosurgical Society (SEENS)



We envisage a rich and dynamic scientific programme, which will cover all aspects of peripheral nerve surgery, from basics to innovative. The invited speakers at this event will include the world's leading experts in the field of peripheral nerve and brachial plexus surgery, who will contribute to the exchange of new knowledge and skills. This Course will have the patronage and support of all relevant institutions of Republic of Serbia.

Course topics:

- **Basic principles of diagnosis in peripheral nerve injuries**
- **Clinical Examination**
- **Basics, indications and surgical techniques in trauma**
- **Special problems in traumatic injuries**
- **Peripheral Nerve Tumors**
- **Nerve compressions of the upper limbs**
- **Nerve compressions of the lower limbs**
- **Pain and peripheral nerve surgery**
- **What can peripheral nerve surgeons do for tetraplegics?**
- **Adult Brachial Plexus Surgery**

- **Obstetric brachial plexus-the basics**
- **Practical part-Cadaveric dissections**
 - **Dissections by participants-upper limb**
 - **Dissections by participants-lower limb**

In particular, we would like to mention that this very important and efficient educational event of World Federation of Neurosurgical Societies (WFNS) is going to be in concordance with:

- **3rd Annual Meeting of Serbian Neurosurgical Society (SNSS)**
- **Joint meeting with Southeast Europe Neurosurgical Society (SeENS)**
- **94th Anniversary day of neurosurgery in Serbia**
- **79th Anniversary day of Clinic for neurosurgery CCS**
(October 31st)

COURSE OVERVIEW

In accordance with our practice, this Course will be accredited by EACCME.

The 2nd Theoretical and Practical International Congress in Peripheral Nerve & Brachial Plexus Surgery is accredited by the Health Council of the Republic of Serbia as a International Congress, decision No.: 153-02-1697/2017-01 dated on August 19th 2017, document number A-1-1671/17, with the following number of credits:

Lecturers: 15 credits

Passive participation: 10 credits

The 2nd Hands-on International Course in peripheral Nerve & Brachial Plexus Surgery is accredited by the Health Council of the Republic of Serbia as an International Course, decision No.: 153-02-1697/2017-01 dated on August 19th 2017, document number A-1-1670/17, with the following number of credits:

Lecturers: 14 credits

Passive participation: 7 credits

COURSE VENUE

**University of Belgrade,
School of Medicine**
Street Dr Subotica 8,
11000 Belgrade, Serbia
www.mfub.bg.ac.rs



**University of Belgrade,
Institute for Anatomy
"Niko Miljanić"**
Street Dr Subotica 4,
11000 Belgrade, Serbia
www.mfub.bg.ac.rs



COURSE DIRECTORS



Prof. dr Lukas Rasulić

SNSS President,
School of Medicine University of Belgrade
Head of Department of Peripheral Nerve Surgery, Functional
Neurosurgery and Pain Management Surgery, Clinic for Neurosurgery,
Clinical Center of Serbia, Belgrade, Serbia
Vice-Chairman of the Peripheral Nerves Surgery Committee
of the World Federation of Neurosurgical Societies (WFNS),
SeENS Vice President



Dr Mariano Socolovsky

Chairman, Peripheral Nerve
Committee, World Federation of Neurosurgical Societies
Director, Peripheral Nerve & Plexus Surgery Unit,
Department of Neurosurgery, University of Buenos Aires
School of Medicine, Buenos Aires Argentina



Prof. dr Branislav Filipović

Chairman of The Institute of Anatomy “Niko Miljanic”,
School of Medicine University of Belgrade,
Belgrade, Serbia

APPLIED ANATOMY COURSE DIRECTOR



Prof. dr Laslo Puškaš

Head of the Department for Anatomy,
Institute of Anatomy “Niko Miljanic”,
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ORGANIZING COMMITTEE



Prof. dr Milan Milisavljević
Applied Anatomy Course
Co-Director
Institute of Anatomy
“Niko Miljanic”,
School of Medicine,
University of Belgrade,
Belgrade, Serbia



Prof. dr Aleksandar Maliković
Institute of Anatomy
“Niko Miljanic”,
School of Medicine,
University of Belgrade,
Belgrade, Serbia



Prof. dr Zdravko Vitošević
Institute of Anatomy
“Niko Miljanic”,
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LOCAL ORGANIZING COMMITTEE



Dr Mirko Mićović
Department of Peripheral
Nerve Surgery,
Functional Neurosurgery and
Pain Management Surgery,
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Clinical Center of Serbia,
Belgrade, Serbia



Dr Andrija Savić
Department of Peripheral
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Dr Siniša Matić
Department of Peripheral
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Belgrade, Serbia

SCIENTIFIC COMMITTEE



Dr Mariano Socolovsky
Chairman,
Peripheral Nerve Committee,
World Federation of
Neurosurgical Societies
Director, Peripheral Nerve &
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Buenos Aires Argentina



Prof. dr Lukas Rasulić
SNSS President,
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Vice-Chairman of the Peripheral
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Societies (WFNS),
SeENS Vice President



Dr Debora Garozzo
Santa Maria della Misericordia
Hospital, Rovigo, Italy
Vice- Chairman of the Peripheral
Nerves Surgery Committee of
the World Federation of
Neurosurgical Societies (WFNS)



Dr Shimon Rochkind
Director of the Department of
recovery of peripheral nerves
and spinal microsurgery,
Department of Neurosurgery,
Hospital "Ichilov", Israel
Vice - Chairman of the
Peripheral Nerves Surgery
Committee of the World
Federation of Neurosurgical
Societies (WFNS)



Prof. dr Rajiv Midha
University of Calgary, Head,
Department of Clinical
Neurosciences, Canada
Vice - Chairman of the Peripheral
Nerves Surgery Committee of
the World Federation of
Neurosurgical Societies (WFNS)



Prof. Dr. Thomas Kretschmer,
IFAANS Director
University Department of
Neurosurgery,
Evangelisches Krankenhaus,
Oldenburg University, Germany



Dr. Mario G. Siqueira
Coordinator of the Peripheral
Nerve Surgery Group,
Division of Functional Neurosurgery,
Hospital das Clínicas, Faculty of
Medicine, University of São Paulo;
Director of Nervus - Center for
Diagnosis and Treatment of
Peripheral Nervous System Diseases

FACULTY /confirmed so far/

Addas Bassam		Llusa Perez Manuel	
Alimehmeti Ridvan		Malikovic Aleksandar	
Antoniades Gregor		Martinez Benia Fernando	
Belzberg Allan		Midha Rajiv	
Bhatia Anil		Milisavljevic Milan	
Binaghi Daniela		Muset Lara Alex	
Bonilla Gonzalo		Nizzo Gustavo	
Bumbasirevic Marko		Pedro Maria Teresa	
Calvo Calleja Pablo		Pretto Flores Leandro	
Clifton Correa Jorge Francisco		Puskas Laslo	
Cuadros Romero Miguel		Raimondi Piero Luigi	
di Masi Gilda		Rasulic Lukas	
Dominguez Paez Miguel		Ray Wilson Zackary	
Emamhadi Mohammadreza		Robla Costales Javier	
Ferraresi Stefano		Rochkind Shimon	
Filipovic Branislav		Rodriguez Aceves Carlos	
Foroni Luciano		Samii Madjid	
Fugleholm Buch Kare		Schmidhammer Robert	
Garozzo Debora		Sinha Sumit	
Gilbert Alain		Siqueira Mario	
Isla Guerrero Alberto		Socolovsky Mariano Pablo	
Jun-San Yang Lynda		Spinner Robert J.	
Kretschmer Thomas		Vitosevic Zdravko	
Krishnan Kartik		Wilson Thomas J.	
Leclercq Caroline		Winfrey Christopher J.	
		Zager Eric	

2nd Theoretical, Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery

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October 31st - November 3rd 2017

University of Belgrade / School of Medicine / Institute for Anatomy "Niko Miljanić"
Belgrade, Serbia

SCIENTIFIC PROGRAM

SCIENTIFIC PROGRAM

Day 1: October 31st

08:00 Opening ceremony –Welcome addresses

- Prof. Dr Lukas Rasulic, President of Serbian Neurosurgical Society, Course Director
- Ass. Dr Zlatibor Loncar, Minister of health, Republic of Serbia
- Prof. Dr Vladimir Bumbasirevic, Rector, University of Belgrade
- Prof. Dr Nebojsa Lalic, Dean, School of Medicine, University of Belgrade
- Prof. Dr Vladimir Kostic, President, Serbian Academy of Sciences and Arts
- Prof. Dr Milos Jokovic, Director, Clinic of neurosurgery, Clinical Center of Serbia
- Dr Mariano Socolovsky, Chairman, Peripheral Nerve Committee, World Federation of Neurosurgical Societies, Course Director
- Prof. Dr Branislav Filipovic, Chairman of The Institute of Anatomy “Niko Miljanic”, Course Director
- Prof. Dr Kresimir Rotim, SeENS President

9:00 **SPECIAL CONFERENCE: Peripheral Nerve Surgery: from my beginnings till the present**
Madjid Samii, Germany

PART I: BASIC PRINCIPLES OF DIAGNOSIS IN PERIPHERAL NERVE INJURIES

Coordinators: Allan Belzberg, Gregor Antoniadis, Javier Robla

- 09:30 Use of MRI in nerve trauma
Daniela Binaghi, Argentina
- 09:45 Neurosonography in nerve trauma
Maria Pedro, Germany
- 10:00 Neurophysiology in peripheral nerve injuries
Pablo Calvo, Spain
- 10:15 **Discussion**
- 10:45 **Coffee Break**

PART II: CLINICAL EXAMINATION

Coordinators: Mario Siqueira, Thomas Kretschmer, Alberto Isla

- 11:00 Clinical examination in videos: upper limb
Gilda di Masi, Argentina
- 11:15 Clinical examination in videos: lower limb
Gonzalo Bonilla, Argentina
- 11:30 Practical clinical examination: a short trip from the seat to the table
Thomas Kretschmer, Germany & Anil Bathia, India
- 12:00 **Discussion**

PART III: BASICS, INDICATIONS AND SURGICAL TECHNIQUES IN TRAUMA

Coordinators: Mariano Socolovsky, Rajiv Midha, Bassam Addas

- 12:30 Fundamentals of nerve injury and regeneration
Rajiv Midha, Canada
- 12:45 Surgical timing: when should we operate?
Leandro Pretto Flores, Brasil
- 13:00 Neurolisis: Is it useful? In which cases?
Javier Robla, Spain
- 13:15 The Nerve Graft
Kartik Krischnan, Germany
- 13:30 Neurorraphy with and without grafts: surgical technique
Miguel Domínguez, Spain
- 13:45 Distal nerve transfers instead of primary graft repair: when, why and how?
Jorge Clifton, Mexico
- 14:00 **Discussion**
- 14:15 **Lunch**

SCIENTIFIC PROGRAM

PART IV: SPECIAL PROBLEMS IN TRAUMATIC INJURIES *Coordinators: Lukas Rasulic, Sumit Sinha, Cristopher Winfree*

- 15:00 Clinical aspects of ballistic peripheral nerve injuries
Shimon Roschkind, Israel
- 15:15 Nerve reconstruction in severely injured extremities
Marko Bumbasirevic, Serbia
- 15:30 Gunshot wounds: surgical treatment
Bassam Abbas, Saudi Arabia
- 15:45 Iatrogenical Injuries
Gregor Antoniadis, Germany
- 16:00 Surgical results of XII-VII and V-VII transfer in facial nerve palsy
Mariano Socolovsky, Argentina
- 16:15 An Algorithmic Approach to the Surgical Treatment of Facial Nerve Palsy
Kartik Krischnan, Germany
- 16:30 Discussion**

PART V: PERIPHERAL NERVE TUMORS *Coordinators: Robert Spinner, Javier Robla, Eric Zager*

- 17:00 Nerve tumors: Basic approach
Rajiv Midha, Canada
- 17:15 A clinical and radiographic score to assess malignant potential in peripheral nerve sheath tumors
Cristopher Winfree, USA
- 17:30 Indications for surgery and extent of surgical resection in non-malignant versus malignant tumors
Allan Belzberg, USA
- 17:45 Malignant peripheral nerve tumors
Alberto Isla, Spain
- 18:00 Coffee break**
- 18:15 Management of brachial plexus tumors
Eric Zager, USA
- 18:30 Neurofibromatosis: which is the role of surgery?
Debora Garozzo, Italy
- 18:45 The international Schwannomatosis database
Allan Belzberg, USA
- 19:00 **SNSS TRIBUTE:**
Milivoje Kostić lecture
Intraneural ganglion cysts
Robert Spinner, USA
- 19:15 Perineuromas
Gregor Antoniadis, Germany
- 19:30 Discussion**

SCIENTIFIC PROGRAM

Day 2: November 01st

PART VI: NERVE COMPRESSIONS OF THE UPPER LIMBS

Coordinators: *Wilson Zack Ray, Shimon Rochkind, Bassam Addas*

- 08:30 Nerve conduction studies in common entrapment neuropathies
Pablo Calvo, Spain
- 08:45 Be careful! Not all compressions are compressions!
Debora Garozzo, Italy
- 09:00 Carpal tunnel: Clinical aspects and indications for surgery
Eric Zager, USA
- 09:15 Carpal tunnel syndrome: surgical technique in the open approach
Mario Siqueira, Brasil
- 09:30 Organization of carpal tunnel surgery; experience from 1003 patients treated in a neurosurgical one-stop clinic
Kare Fugleholm, Denmark
- 09:45 How to operate a carpal tunnel endoscopically?
Maria Teresa Pedro, Germany
- 10:00 Literature review: controversy between open and endoscopic decompression of carpal and ulnar tunnel
Gregor Antoniadis, Germany
- 10:15 Surgical treatment of ulnar nerve compression at the elbow: Indications and techniques
Mario Siqueira, Brazil
- 10:30 Endoscopic release of ulnar nerve at the elbow
Javier Robla, Spain
- 10:45 Discussion**
- 11:15 Coffee break**
- 11:30 Controversies in nerve compressions: do not believe all what is published!
Mariano Socolovsky, Argentina
- 11:45 Thoracic outlet syndrome: European experience
Piero Raimondi, Italy
- 12:00 Thoracic outlet syndrome: North-American experience
Eric Zager, USA
- 12:15 Suprascapular nerve compression
Miguel Quadros, Spain
- 12:30 Discussion**
- 13:00 Lunch**

SCIENTIFIC PROGRAM

PART VII: NERVE COMPRESSIONS OF THE LOWER LIMBS

Coordinators: Leandro Flores, Gilda di Masi, Debora Garozzo

- 13:30 Peroneal nerve compression
Eric Zager, USA
- 13:45 Morton's neuroma
Carlos Rodriguez, Mexico
- 14:00 Tarsal tunnel
Maria Pedro, Germany
- 14:15 Meralgia Parestetica
Fernando Martinez, Uruguay
- 14:30 Saphenous neuropathy: diagnosis and management
Thomas J Wilson, USA
- 14:45 Failed Back Surgery Syndrome and lower limb entrapments
Ridvan Alimehmeti, Albania
- 15:00 Tendon transfers for steppage
Manuel Llusa, Spain
- 15:15 **Discussion**

PART VIII: PAIN AND PERIPHERAL NERVE SURGERY

Coordinators: Mario Siqueira, Mohammadreza Ememhadi, Gonzalo Bonilla

- 15:45 Basic science of neuropathic pain & neuroma formation
Allan Belzberg, USA
- 16:00 The management of neuropathic pain following brachial plexus injuries
Cristopher Winfree, USA
- 16:15 Clinical aspects of painful neuromas
Shimon Roschkind, Israel
- 16:30 The DREZ operation
Allan Belzberg, USA
- 16:45 **Discussion**
- 17:15 **Coffee break**

PART IX: WHAT CAN PERIPHERAL NERVE SURGEONS DO FOR TETRAPLEGICS?

Coordinators: Debora Garozzo, Wilson Zack Ray, Luciano Foroni

- 17:30 Nerve transfers for spinal cord injuries: North-American experience
Wilson Zack Ray, USA
- 17:45 Nerve transfers for spinal cord injuries: Iranian experience
Mohammadreza Emamhadi, Iran
- 18:00 Muscle transfers in quadriplegic people
Caroline Leclercq, France
- 18:15 **Discussion**

SCIENTIFIC PROGRAM

Day 3: November 02nd

PART X: ADULT BRACHIAL PLEXUS SURGERY

Coordinators: *Fernando Guedes, Jorge Clifton, Bassam Addas*

- 08:30 Clinical types of brachial plexus injuries
Manuel Llusa, Spain
- 08:45 Anatomy and surgical approaches to the brachial plexus
Linda Yang, USA
- 09:00 Indications for surgery in BPI: When should we operate?
Debora Garozzo, Italy
- 09:15 Indications for surgery in BPI: When we should not operate?
Piero Raimondi, Italy
- 09:30 Quality of life after BPI surgery: The Balkan scale
Lukas Rasulic, Serbia
- 09:45 Quality of life outcome assesment in adult plexus injuries: a personal experience of 300 cases
Sumit Sinha, India
- 10:00 Brain Plasticity: Keep it in mind
Mariano Socolovsky, Argentina
- 10:15 Discussion**
- 10:35 Coffee break**
- 10:50 Nerve grafts versus nerve transfers: Who wins the battle?
Piero Raimondi, Italy
- 11:05 Surgical strategy in C5-C6 injuries
Mario Siqueira, Brazil
- 11:20 The aUT-MC technique : a new method to reanimate the biceps in C5-C6 injuries of the brachial plexus
Stefano Ferraresi, Italy
- 11:35 Normal range of motion after partial upper lesions? Is that possible
Jorge Clifton, Mexico
- 11:50 Surgical strategy in C8-D1 injuries
Anil Bathia, India
- 12:05 Surgical strategy in complete injuries
Lukas Rasulic, Serbia
- 12:20 **Discussion**
- 12:15 Lunch**
- 13:00 Where are we in complete palsies?
Piero Raimondi, Italy
- 13:15 Sensory reinnervation in BP injuries
Luciano Foroni, Brasil

SCIENTIFIC PROGRAM

- 13:30 Sensory nerve transfers are as important as motor nerve transfers?
Mohammadreza Emamhadi, Iran
- 13:45 Complications in brachial plexus surgery
Fernando Martinez, Uruguay
- 14:00 Secondary surgery in brachial plexus surgery
Miguel Quadros, Spain
- 14:15 Arthrodesis of the shoulder: a viable solution
Gustavo Nizzo, Argentina
- 14:30 Tendon-muscle transfer after peripheral nerve lesion
Robert Schmidhammer, Austria
- 14:45 Late free muscle transplant: role in BP injuries
Manuel Llusá, Spain
- 15:00 Infraclavicular palsies: diagnosis and management
Anil Bathia, India
- 15:15 **Discussion**
- 15:45 **Coffee break**

PART XI: OBSTETRIC BRACHIAL PLEXUS-THE BASICS

Coordinators: Alex Muset, Piero Luigi Raimondi, Alain Gilbert

- 16:05 Brachial Plexus and OBPP in history: why operate?
Alain Gilbert, France
- 16:20 Natural history of OBPP and indications for surgery
Piero Luigi Raimondi, Italy
- 16:35 What to do with a neuroma in continuity that has a positive response under stimulation?
Alex Muset, Spain
- 16:50 40 years of OBPP surgery: what has changed?
Alain Gilbert, France
- 17:05 Reinnervation of elbow flexion in OBPP: grafts or nerve transfers?
Mario Siqueira, Brazil
- 17:20 Results that can be obtained in OBPP
Alex Muset, Spain
- 17:35 **Discussion**

SCIENTIFIC PROGRAM

Day 4: November 03rd

PRACTICAL PART-CADAVERIC DISSECTIONS

- 08:00 Welcome addresses:
Mariano Socolovsky, Argentina
Lukas Rasulic, Serbia and Branislav Filipovic, Serbia
- 08:10 Importance of education of cadaver dissection of Brachial Plexus and Peripheral Nerve Surgical practice
- 08:30 Innervation of the brachial and antebrachial parts of the upper limb
Zdravko Vitosevic, Serbia and Milan Milisavljević, Serbia
- 08:50 Applied anatomy of brachial plexus trunci
Branislav Filipovic, Serbia
- 09:10 Applied anatomy of the hand innervation
Aleksandar Malikovic, Serbia
- 09:30 Discussion and coffee break**
- 10.00-13.00 Dissections by participants-upper limb**
- 13.00 Lunch**
- 14:00 Lumbar plexus and topographical anatomy of the anterior abdominal wall and anterior femoral regions
Laslo Puskas, Serbia and Milan Milisavljević, Serbia
- 14:20 Sacral plexus and topographical anatomy of gluteal and posterior femoral regions
Zdravko Vitosevic, Serbia and Milan Milisavljevic, Serbia
- 14:40 Innervation of the anterior and posterior leg regions.
Laslo Puskas, Serbia and Milan Milisavljevic, Serbia
- 15:00 Applied anatomy of the foot innervation
Milan Milisavljevic, Serbia
- 15:20 Discussion and coffee break**
- 15.45-18.45 Dissections by participants-lower limb**
- 18:45-19:00 Closing Remarks**

REGISTRATION FEE

CATEGORY	PRICE
Faculty	-
Participant, Theoretical part	€ 250,00
Participant, Theoretical & Observer, max. 20 observers	€ 350,00
Participant, Theoretical & Hands-on, max. 20 practitioners	€ 500,00

IMPORTANT NOTE

- **Participant, Theoretical part** – This category allows you active participation in all theoretical part of the Course.
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- **Participant, Theoretical & Observation** - This category allows you active participation in theoretical part and your presence in laboratories during hands-on part as Observer. Number is limited to 20 observers – based on principle first come first serve.
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- **Participant, Theoretical & Hands-on** – This category allows you active participation in theoretical, hands-on and dissection part in laboratories. Number is limited to 20 hands-on participants – based on principle first come first serve .

On line registration is mandatory for all categories.

Please complete your registration here:
www.wfnspns2017.net

Please be informed that registration has to be completed and paid no later than October 1st, 2017. Registration fee could be paid by Invoice (Bank transfer) or by Credit Card.

Bank transfer: All payments should be in Euros (€), except for residents from Serbia who can pay in local currency (RSD). After submitting the registration form, you will receive a pro forma invoice with instructions and data for the bank transfer.

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2nd Theoretical, Practical & Hands-on International Course in Peripheral Nerve & Brachial Plexus Surgery

3rd Annual Meeting of Serbian Neurosurgical Society (SNSS)
Joint meeting with Southeast Europe Neurosurgical Society (SEENS)

94th Anniversary of Neurosurgery in Serbia

79th Anniversary of Clinic for Neurosurgery at Clinical Centre of Serbia

October 31st - November 3rd 2017

**University of Belgrade / School of Medicine / Institute for Anatomy "Niko Miljanić"
Belgrade, Serbia**

**NURSING SYMPOSIUM
PROGRAM**

SCIENTIFIC PROGRAM-NURSING SYMPOSIUM

Management of Brachial Plexus and Peripheral Nerve Disorders WFNS NURSING SYMPOSIUM

Friday, November 3, 2017

Conference Co-Chairs: Miriana Popadich, MSN, NP-C,
Snezana Pavlović MSN, NP-C,
Biljana Kurtović, MSN, NP-C,

Learning Objectives:

1. Anatomy of the brachial plexus and peripheral nervous system
2. Surgical treatment of brachial plexus and peripheral nerve disorders
3. Integration of independent nurse practitioners into peripheral nerve programs

CME: The Management of Brachial Plexus and Peripheral Nerve Disorders Nursing Symposium is accredited by the Health Council of the Republic of Serbia as an National Symposium with international participation, decision No.: 153-02-1697/2017-01 dated on August 19th 2016, document number Д-1-825/16, with the following number of credits:

Lecturers: 9 credits
Passive participation: 5 credits

SCIENTIFIC PROGRAM

08.30 - Registration

08.45 - Welcome Address

Lukas Rasulić, MD, Ph.D.
Kresimir Rotim, MD, Ph.D.
Laslo Puskas, MD, Ph.D.
Mariano Socolovsky, M.D

09.00 **MADJID SAMII'S SPECIAL LECTURE**

Development of Peripheral nerve surgery: Personal experience in more than 50 years
Miriana Popadich, NP-C

Session 1: BRACHIAL PLEXUS AND PERIPHERAL NERVES - BACKGROUND KNOWLEDGE

Moderator: Snezana Pavlović, NP-C

09.10 **Anatomy of the Brachial Plexus and Peripheral Nerves**

Lynda Yang, MD, PhD (Univ. of Michigan, USA)

09.40 **Patient Safety in Peripheral Nerve and Brachial Plexus Surgery**

Vesna Svircevic, MSN, NP-P, Department of Neurosurgery, University Hospital Centre, Sisters of Mercy, Zagreb, Croatia

10.10 **Standards of Health Care for Children with Injuries of Peripheral Nerves and Brachial Plexus**

Snezana Pavlovic, MSN, NP-C, Clinic for Rehabilitation "Dr Miroslav Zotovic", Belgrade, Serbia,
Milica Pavicevic, MSN, NP-C, University children's Hospital, Belgrade, Serbia,
Sofija Kurtovic, NP-C, University children's Hospital, Belgrade, Serbia,
Enisa Rizic, NP-C, Clinic for Neurosurgery, Clinical Center of Serbia, Belgrade, Serbia

10.40 **Questions / Discussion**

10.50 **Coffee Break**

SCIENTIFIC PROGRAM-NURSING SYMPOSIUM

Session 2: TREATMENT OF PERIPHERAL NERVE AND BRACHIAL PLEXUS DISORDERS

Moderator: Biljana Kurtović, NP-C

- 11.15 **Peripheral Nerve Entrapment Neuropathies**
Eric Zager, MD (Univ. of Pennsylvania, USA)
- 11.45 **Peripheral Nerve Injuries - Pain Assessment and Nursing Intervention**
Cecilija Rotim, NP-P (University Hospital Centre, Sisters of Mercy, Zagreb, Croatia)
- 12.15 **Brachial Plexus Disorders in the Pediatric Patients and Adults**
Miriana Popadich, MSN, NP-C, Univ. of Michigan, USA
- 12.45 **Peripheral Nerve Tumors**
Thomas J Wilson, MD, Stanford Univ., USA
- 13.15 **Questions / Discussion**
- 13.30 **Lunch**

Session 3: CRITICAL ROLE OF NURSES IN PERIPHERAL NERVE AND BRACHIAL PLEXUS PROGRAMS

Moderator: Miriana Popadich, NP-C

- 14.30 **Health Care of Neonates with Injury of Plexus Brachialis**
Snezana Pavlovic, MSN, NP-C, Clinic for Rehabilitation "Dr Miroslav Zotovic", Belgrade, Serbia,
Milica Pavicevic, MSN, NP-C,, University children's Hospital, Belgrade, Serbia,
Sofija Kurtovic, NP-C, University children's Hospital, Belgrade, Serbia,
Enisa Rizic, NP-C, Clinic for Neurosurgery, Clinical Center of Serbia, Belgrade, Serbia
- 15.00 **The Importance of Nurses' Roles in the Multidisciplinary Programs of Peripheral Nerve Injury Treatment**
Biljana Kurtović, MSN, NP-C (University Hospital Centre, Sisters of Mercy, Zagreb, Croatia)
- 15.30 **Role of the Nurse Practitioner in the Brachial Plexus / Peripheral Nerve and Spine Programs**
Miriana Popadich, MSN, NP-C (USA)
- 16.00 **Questions / Discussion**
- 16.15 **Closing Remarks**
Miriana Popadich, MSN, NP-C

REGISTRATION FEE-NURSING SYMPOSIUM

CATEGORY	PRICE
Lecturer	-
Participant	€ 30,00

On line registration is mandatory for all categories.

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SOCIAL PROGRAM

RECEPTIONS

- **October 29th** Faculty Welcome reception (*Faculty and by invitation only*)
- **October 31st** Gala dinner
- **November 01st** Faculty dinner (*Faculty and by invitation only*)
- **November 02nd** Serbian traditional dinner, Skadarlija Bohemian quarter of Belgrade
- **November 03rd** Farewell dinner & Belgrade Clubbing

FACULTY AND PARTICIPANTS

Please choose which program you will take part in. You can choose all.
Only Welcome Faculty reception and Faculty dinner are by the invitation.

Please complete your registration here:

www.wfnspns2017.net

SOCIAL PROGRAM FOR PARTICIPANTS ACCOMPANYING PERSON

RECEPTIONS

- October 30th – Faculty Welcome reception (Faculty and by invitation only),
- October 31st – Gala dinner EUR 30,00
- November 01st – Faculty dinner (Faculty and by invitation only),
- November 02nd – Serbian traditional dinner, Skadarlija Bohemian quarter of Belgrade EUR 25,00
- November 03rd – Farewell dinner & Belgrade Clubbing EUR 30,00

Please choose which program you will take part in. You can choose all.
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**Social activities are outside of the programme schedule and paid for separately.
They do not interfere with the overall scientific content of the programme
and they will be held during times that do not overlap with scientific session.**

FACULTY

Hotel Constantin the Great – FACULTY HOTEL

Address: 27 Marta 12, 11000 Belgrade, Serbia

- Single room, king size bed, bed and breakfast,
- Double room, bed and breakfast



AIRPORT TRANSFERS

We are pleased to inform you that we will organize Airport transfers from the Airport Nikola Tesla, Belgrade to chosen accommodation and vice versa.

- Pickup time for transport from the airport to the hotel is max. 30 minutes after landing
- Our representative/driver will be waiting at the Arrival Terminal holding a signboard with Course logo/sign and your name on it. You will be escorted to the vehicle and transferred directly to hotel.
- Pickup time for transfer from the hotel to the Airport is at least 2 hours in prior to your flight departure time.

IN ORDER TO ARRANGE YOUR HOTEL ACCOMMODATION AND AIRPORT TRANSFERS. PLEASE VISIT THE COURSE WEB SITE www.wfnspns2017.net AND FILL IN THE ONLINE FORM OR SEND AN E-MAIL TO wfnspns2017@miross.rs (COURSE SECRETARIAT) WITH YOUR TRAVEL/FLIGHT ITINERARY.

ACCOMMODATION AND LOCAL TRANSPORTATION

PARTICIPANTS

HOTELS PROPOSED BY ORGANIZER

Special prices are provided only for registered participants

Hotel Saint Ten

Address: Svetog Save 10, Belgrade, Serbia

- Single room, king size bed, bed and breakfast based, per night € 110,50
- Double room, bed and breakfast based, per night € 122,00

Distance from the hotel to venue places 0,85km, 10 minutes walking distance.



Hotel Crystal

Address: Internacinalnih brigade 9, 11000 Belgrade, Serbia

- Single room, king size, bed and breakfast based, per night € 81,50
- Double room, bed and breakfast based, per night € 93,00

Distance from the hotel to venue places 0,65km, 8 minutes walking distance.



ACCOMMODATION AND LOCAL TRANSPORTATION

Hotel Park 3*

Address: Njegoševa 2, 11000 Belgrade, Serbia

- Single room, king size bed, bed and breakfast based, per night € 51,50
- Double room, bed and breakfast based, per night € 63,00

Distance from the hotel to venue places 1,2km, 15 minutes walking distance.



AIRPORT TRANSFERS

We are pleased to inform you that we will organize Airport transfers from the Airport Nikola Tesla, Belgrade to chosen accommodation and vice versa.

- Price for transfer is 10,00 EUR per person per direction.
- Pickup time for transport from the airport to the hotel is max. 30 minutes after landing
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- Pickup time for transfer from the hotel to the Airport is at least 2 hours in prior to your flight departure time.

IN ORDER TO BOOK HOTEL ACCOMMODATION AND AIRPORT TRANSFERS PLEASE VISIT THE COURSE WEB SITE www.wfnspns2017.net AND FILL IN THE ONLINE FORM OR SEND AN E-MAIL TO wfnspns2017@miross.rs (COURSE SECRETARIAT) WITH YOUR TRAVEL/FLIGHT ITINERARY.

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CONTACT

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