



Kliniken des Main-Taunus-Kreises GmbH



3RD THEORETICAL & PRACTICAL INTERNATIONAL COURSE IN PERIPHERAL NERVE & BRACHIAL PLEXUS SURGERY

INCLUDES LIVE SURGERIES, CASE DISCUSSIONS AND
ENDOSCOPIC CADAVERIC APPROACHES BY PARTICIPANTS!

ORGANIZED BY THE WORLD FEDERATION OF
NEUROSURGICAL SOCIETIES PERIPHERAL NERVE COMMITTEE
AND

THE DIVISION OF NEUROSURGERY
BAD SODEN HOSPITAL, GERMANY
INSTITUTE OF ANATOMY
JUSTUS LIEBIG UNIVERSITY GIESSEN, GERMANY

24TH - 26TH SEPTEMBER 2018
BAD SODEN (FRANKFURT AM MAIN) - GIESSEN
GERMANY

COURSE DIRECTORS: KARTIK G. KRISHNAN (GERMANY)
MARIANO SOCOLOVSKY (ARGENTINA)
LUKAS RASULIC (SERBIA)

Faculty

Acker, Till (Germany)
Addas, Bassam (Saudi Arabia)
Antoniadis, Gregor (Germany)
Bahm, Jörg (Germany)
Binaghi, Daniela (Argentina)
Bonilla, Gonzalo (Argentina)
Calvo, Calleja Pablo (Spain)
Clifton, Jorge (Mexico)
Di Masi, Gilda (Argentina)
Domínguez, Paez Miguel (Spain)
Emamhadi, Mohammadreza (Iran)
Ferraresi, Stefano (Italy)
Flores, Leandro (Brazil)
Guedes, Fernando (Brazil)
Haase, Jens (Denmark)
Heinen, Christian (Germany)
Jacques, Line (USA)

Kretschmer, Thomas (Austria)
Krishnan, Kartik G. (Germany)
Mahan, Mark (USA)
Martínez Benia, Fernando (Uruguay)
Pedro, Maria Teresa (Germany)
Rasulic, Lukas (Serbia)
Robla, Costales Javier (Spain)
Rodríguez, Aceves Carlos (México)
Romero, Xavier (Guatemala)
Rybchenok, Vsevolod (Russia)
Rochkind, Shimon (Israel)
Socolovsky, Mariano (Argentina)
Wölfle, Olaf (Germany)
Winfree, Christopher (USA)
Yang, Lynda (USA)
Zack, Ray Wilson (USA)
Zager, Eric (USA)

For more details and registration please visit: www.wfns-pns-2018.com

SCIENTIFIC PROGRAMME

Day 1: 24th September 2018

THEORETICAL PART I

PART I: BASIC PRINCIPLES OF DIAGNOSIS IN PERIPHERAL NERVE INJURIES

Coordinators: Kartik G. Krishnan, Maria Pedro

- 08:00 Opening remarks
Kartik G. Krishnan, Germany
- 08:05 Welcome address
Uwe Horas, Germany
- 08:20 Use of MRI in nerve surgery
Daniela Binaghi, Argentina
- 08:35 Neurosonography in nerve trauma
Maria Pedro, Germany
- 08:50 Neurophysiology in peripheral nerve injuries
Pablo Calvo, Spain
- 09:05 Discussion

PART II: BASIC KNOWLEDGE IN NERVE TRAUMA

Coordinators: Line Jacques, Bassam Abbas

- 09:25 Fundamentals of nerve injury and regeneration
Thomas Kretschmer, Austria
- 09:40 Surgical Anatomy of peripheral nerves
Fernando Martínez Benia, Uruguay
- 09:55 Surgical timing: when should we operate?
Zack Ray Wilson (USA)
- 10:10 Coffee Break**
- 10:30 Neurolysis: Is it useful? In which cases?
Gonzalo Bonilla, Argentina
- 10:45 Neurorraphy with and without grafts: surgical technique
Miguel Domínguez, Spain
- 11:00 Surgical treatment of partial nerve injuries
Leandro Flores, Brazil
- 11:15 Nerve transfers: Basic knowledge that you should know
Jorge Clifton, México
- 11:30 Termino-lateral neurorraphy: Myth or reality?
Leandro Flores, Brazil
- 11:45 Discussion

PART III: SPECIAL PROBLEMS IN TRAUMATIC INJURIES

Coordinators: Mariano Socolovsky, Shimon Roschkind

- 12:15 Clinical aspects of ballistic peripheral nerve injuries
Shimon Roschkind, Israel
- 12:30 Lacerating wounds: timing and surgical treatment
Bassam Addas, Saudi Arabia
- 12:45 Iatrogenic nerve injuries
Gregor Antoniadis, Germany
- 13:00 Peripheral nerve palsies in children following internal fixation management
Vsevolod Rybchenok, Russia
- 13:15 Surgical Treatment of Facial Nerve Palsy
Mariano Socolovsky, Argentina
- 13:30 Surgical Treatment of Accessory Nerve Palsy
Stefano Ferraresi, Italy
- 13:45 Discussion
- 14:00 Lunch**

PART IV: PERIPHERAL NERVE TUMORS

Coordinators: Line Jacques, Fernando Guedes

- 14:45 The neuropathological basis of peripheral nerve tumors
Till Acker, Germany
- 15:00 How to operate a benign peripheral nerve tumor?
Eric Zager, USA
- 15:15 Indications for surgery and extent of surgical resection in non-malignant versus malignant tumors
Line Jacques, USA
- 15:30 The role of biopsy in PN tumors
Fernando Guedes, Brazil
- 15:45 Endoneurial cysts of the sciatic nerve: natural versus surgical patterns of evolution
Stefano Ferraresi, Italy
- 16:00 Neurofibromatosis: which is the role of surgery?
Mark Mahan, USA
- 16:15 Discussion
- 16:30 Coffee break**

PART V: NERVE COMPRESSIONS OF THE UPPER LIMBS

Coordinators: Fernando Martinez Benia, Javier Robla

- 16:45 Carpal tunnel syndrome: indications and surgical technique in the open approach
Eric Zager, USA
- 17:00 Literature review: controversy between open and endoscopic decompression of carpal and ulnar tunnel
Gregor Antoniadis, Germany
- 17:15 Surgical treatment of ulnar nerve compression at the elbow: Indications and techniques
Javier Robla, Spain
- 17:30 The "wide awake approach" in peripheral nerve surgery and handsurgery- a comfortable anaesthesia method without a tourniquet
Olaf Wölfle, Germany
- 17:45 Chronic radicular pain versus peripheral nerve pain: differential diagnosis
Christian Heinen, Germany
- 18:00 Thoracic outlet syndrome
Christopher Winfree, USA
- 18:15 Discussion
- 18:45 Closing remarks Adjourn Day 1
- 19:00 Dinner buffet at meeting venue**
- 19:40 Methods of reconstruction in patients with proximal injuries of the sciatic and peroneal nerves
Alexander Zaremba, Tashkent, Uzbekistan
- 19:50 Giant neurofibrosarcoma of the lumbar region: a rare difficult tumor for excision
Kinata-Bambino SB, Boukassa L, Mouamba F, Ekouele-Mbaki HB, Ngounda-Monianga S, Ngakosso OB, Peko JF, Centre Hospitalier Universitaire de Brazzaville, Congo
- 20:00 A giant ulnar nerve schwannoma
Kinata-Bambino SB, Boukassa L, Mouamba F, Ekouele-Mbaki HB, Ngounda-Monianga S, Ngakosso OB, Peko JF, Centre Hospitalier Universitaire de Brazzaville, Congo
- 20:10 A controversial case of adult brachial plexus lesion
Jörg Bahm, Germany
- 20:20 Lipomatous hyperplasia of the brachial plexus
Khaled Gaber, Leipzig, Germany
- 20:30 Surgical treatment of superficial radial nerve neuroma
Baher Mehdad Labib, Alexandria, Egypt

Day 2: 25th September 2018

LIVE SURGERIES & CASE PRESENTATIONS

Teams::

<u>Operating Theatre team</u>	<i>K. Krishnan, C. Heinen, M.Booke, S. Steets, K. Hüge</i>
<u>Camera team</u>	<i>Kambiz Roshanghias, Alim Starcevic</i>
<u>IT-Endoscopy-Exoscopy Team</u>	<i>Ralf Geissler, Björn Eckert, Carsten Rahmel</i>
<u>Confrence room expert panel</u>	<i>T. Kretschmer, C. Heinen, M. Socolovsky, E. Zager</i>

- 08:00 Clinical examination of peripheral nerves in a living model
Thomas Kretschmer, Germany
- 08:20 **Case 1** (Carpal Tunnel Syndrome- Endoscopy)
Case presentation – *Kartik G. Krishnan, Germany*
Neurosonography – *Christian Heinen, Germany*
Live Surgery 1 – *Kartik Krishnan + Christian Heinen Germany*
- 09:20 **Case 2** (Benign Schwannoma of the peripheral nerve- Exoscopy)
Case presentation – *Kartik G. Krishnan, Germany*
Neurosonography – *Christian Heinen, Germany*
Live Surgery 2 – *Kartik Krishnan + Christian Heinen Germany*
- 10:00 **Coffee break (Theatre work continues)**
- 10:20 **Case 3** (Kiloh-Nevin Syndrome- Exoscopy)
Case presentation – *Kartik G. Krishnan, Germany*
Live Surgery 3 – *Kartik Krishnan + Christian Heinen Germany*
- 11:20 **Case 4** (Cubital Tunnel Syndrome- Endoscopy)
Case presentation – *Kartik G. Krishnan, Germany*
Neurosonography – *Christian Heinen, Germany*
Live Surgery 4 – *Kartik Krishnan + Christian Heinen Germany*
- 12:20 **Case 5** (Meralgia paræstherica- Endoscopy)
Case presentation – *Kartik G. Krishnan, Germany*
Neurosonography – *Christian Heinen, Germany*
Live Surgery 5 – *Kartik Krishnan + Christian Heinen Germany*
- 13:00 **Lunch**
- THEORETICAL PART II**
KEYNOTE LECTURE
- 13:40 Introduction **Prof. Jens Peter Haase**, University of Aalborg, Denmark
Kartik Krishnan, Germany
- 13:45 **How can a trainee develop the surgical dexterity needed for neurosurgical operative procedures? How can we document that the dexterity has been reached through this training?**
Jens Haase, Denmark

PART VI: NERVE COMPRESSIONS OF THE LOWER LIMBS

Coordinators: Eric Zager, Christian Heinen

- 14:15 Peroneal nerve compression
Emamhadi Mohhammadreza, Iran
- 14:30 Tarsal tunnel
Carlos Rodríguez Aceves, Mexico
- 14:45 Meralgia parestética
Fernando Martínez, Uruguay
- 15:00 Discussion

PART VII: NOTIONS OF BRACHIAL PLEXUS SURGERY

Coordinators: Lukas Rasulic, Thomas Kretschmer

- 15:15 Inter and Transdisciplinarity in the microsurgical treatment of brachial plexus lesions
Jörg Bahm
- 15:30 Clinical types of brachial plexus injuries (BPI)
Gilda di Masi, Argentina
- 15:45 Indications for surgery in BPI: When should we operate?
Mark Mahan, USA
- 16:00 Brain Plasticity and BPI injury: a non-recognized factor
Mariano Socolovsky, Argentina
- 16:15 Results and quality of life after BPI surgery
Lukas Rasulic, Serbia
- 16:30 Surgical strategy in partial injuries
Jorge Clifton, Mexico
- 16:45 Surgical strategy in complete injuries
Fernando Guedes, Brazil
- 17:00 When and why should we perform surgical treatment in babies with neonatal BPI injuries?
Lynda Yang, USA
- 17:15 Clinical types of pain and differential diagnosis after nerve injuries
Line Jacques, USA
- 17:30 Discussion
- 17:40 Coffee break**

**PART VIII: SURGERY FOR TETRAPLEGICS: IMPROVING THEIR
QUALITY OF LIFE**

Coordinators: Mark Mahan, Zack Ray Wilson

- 18:00 Peripheral nerve surgery for tetraplegics: when and how?
Zack Ray Wilson, USA
- 18:15 The impact of nerve transfers in tetraplegic patients
Emamhadi Mohhammadreza, Iran
- 18:30 Discussion
- 18:40 WFNS-PNS-2019 Meeting @ Mexico City
Jorge F. Clifton, Mexico
- 18:45 Closing Remarks
Mariano Socolovsky, Argentina
- 19:30 Bus transfer to restaurant
- 20:00 – 22:30 Dinner (Traditional Frankfurt cuisine)**

Day 3: 26th September 2018

Practical part - Cadaveric Dissections by Participants 5 Cadavers

- 07:15 Bus departs from Bad Soden Hospital
- 08:10 Arrival at the Institute of Anatomy, Justus Liebig University Giessen
- 08:15 Welcome address
Eberhard Uhl,
Director, Department of Neurosurgery, Justus Liebig University Giessen
- 08:25 Endoscopic carpal tunnel decompression
- 09:15 Endoscopic ulnar nerve decompression
- 10:00 Endoscopic decompression of the lateral femoral cutaneous nerve
- 11:00 Endoscopic tarsal tunnel decompression
- 12:00 Endoscopic exploration of the brachial plexus
Open dissections on selected cadavers will be possible
(information will be updated)
- 13:00 Closing remarks
- 13:15 Lunch
- 14:15 Bus departs from the Anatomy Department to Bad Soden Clinic
- 15:15 Arrival at Bad Soden Hospital

Venues:

Theory and Live Surgery
Department of Neurosurgery
Bad Soden County Hospital
Kronbergerstrasse 36
65812 Bad Soden (Frankfurt am Main)
Germany

Cadaver Dissection:
Anatomy Institute
Justus Liebig University
Aulweg 123
35392 Giessen
Germany

Bus transfer from Bad Soden to Giessen will be organized by local team

For more details and registration please visit: www.wfns-pns-2018.com