

GERSAM 4 | CONGRESS '25



BOUNDARIES AND NEW HORIZONS of today's Peripheral Nerve Surgery

PERIPHERAL NERVES AND BRACHIAL PLEXUS

2nd Joint Theoretical and Practical Course

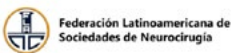
EANS / FLANC / AANS

Hamburg | Germany

» PROGRAM | March 24th - 26th 2025

SCIENTIFIC COMMITTEE

Fernando Guedes / BRAZIL
Christian Heinen / GERMANY
Mark Mahan / USA
Lukas Rasulic / SERBIA
Mariano Socolovsky / ARGENTINA



INDUSTRY PARTNERS



FACULTY

Belzberg, Allan / USA
Binaghi, Daniela / GER
Bonilla, Gonzalo / ARG
Chica Heredia, Gabriela / CHILE
Dengler, Nora / GER
Di Masi, Gilda / ARG
Faglioni, Wilson / BRA
Faroni, Luciano / BRA
Fugleholm, Kåre / DEN
Gelderblohm, Mathias / GER
Groen, Justus / NED
Guedes, Fernando / BRA
Hagemann, Christian / GER
Heinen, Christian / GER
Hockmuller, Marjeane / BRA
Hohenberger, Peter / GER
Hudek, Robert / GER
Jaques, Line / USA
Kele, Henrich / GER
Kretschmer, Thomas / AUT
Krishnan, Kartik / GER
Lassner, Franz / GER
Llorian, Evelina / BRA
Lovaglio, Ana / ARG
Magalhães, Marcelo / BRA
Mahan, Mark / USA
Martinez, Fernando / URU
Mendonça, Marcio / BRA
Nikolov, Nikolay / GER
Pedro, Maria / GER
Rasulic, Lukas / SRB
Rochkind, Shimon / ISR
Rodriguez, Carlos / MEX
Socolovsky, Mariano / ARG
Spinner, Robert / USA
Ujwal, Yeole / IND
Zager, Eric / USA
Zdunczik, Anna / GER



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PROGRAM | Monday, March 24th 2025 | Day 1

OPENING

- 09:00 Welcome
09:10 Introduction / *Christian Heinen, GER* / *Fernando Guedes, BRA* / *Lukas Rasulic, SER* / *Mariano Socolovsky, ARG* / *Mark Mahan, USA*
09:20 Why we (still) love peripheral nerve surgery / *Mariano Socolovsky, ARG*
09:35 How to start performing peripheral nerve surgery? / *Ujwal Yeole, IND*

EXAMINATION & DIAGNOSTICS

- 09:50 Physical Exam
Eric Zager, USA
10:05 Electrophysiology
Mathias Gelderblohm, GER
10:20 Peripheral Nerve Imaging - Neurosonography
Henrich Kele, GER
10:35 Peripheral Nerve Imaging - MR-Neurography
Daniela Binaghi, ARG / GER
10:50 Discussion
11:10 Coffee break

GENERAL CONSIDERATIONS

- 11:40 Homeostasis and Pathophysiology of PN
Christian Heinen, GER
11:55 Fundamentals of nerve de- and regeneration
Thomas Kretschmer, AUT
12:10 Cortical plasticity
Mariano Socolovsky, ARG
12:25 Pain and spinal cord atrophy after peripheral nerve injury
Mark Mahan, USA
12:40 Discussion
13:00 Surgical techniques
13:15 Decompression - neurolysis - epi-/perineuriotomy and -ectomy
Lukas Rasulic, SER
13:30 Open vs endoscopic techniques
Karthik Krishnan, GER
13:45 Grafting peripheral nerve lesions: Autograft vs. conduits vs. allograft.
Carlos Rodriguez, MEX
14:00 Basic principles of nerve transfers
Marcio Mendonça, BRA
Discussion
14:20 Lunch

COMMON ENTRAPMENT

- 15:20 Common Upper Extremity Nerve Entrapments
Kåre Fugleholm, DEN
15:35 Lower Extremity Nerve Entrapments
Nora Dengler, GER
15:50 Case 1: upper extremity entrapment
Gabriela Chica Heredia, Chile
Case 2: lower extremity entrapment
tba
Experts panel case discussion:
Recurrent / persistent compression

RARE ENTRAPMENT

- 16:30 TOS
Christian Heinen, GER
16:45 Pronator / anterior interosseus / Loge de Guyon
Marcelo Magalhães, BRA
17:00 Piriformis/ Pudendal
Gilda de Masi, ARG
Case 1
Case 2
Experts panel case discussion

NERVE TRAUMA I

- 17:40 Epidemiology, etiopathogenesis, classification of nerve injuries
Gonzalo Bonilla, ARG
17:55 Nerve Injury decision making and timing
Fernando Guedes / Evelina Llorian, BRA
18:10 Surgical techniques secondary reconstruction
Kartik Krishnan, GER
18:25 Managing the neuroma-in-continuity
Allan Belzberg, USA
Case 1
Nikolay Nikolov, GER
Experts panel case discussion

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PROGRAM | Tuesday, March 25th 2025 | Day 2

INTRODUCTION

08:45 Why are we here today?
Mark Mahan, USA

NERVE TRAUMA 2

09:00 Iatrogenic lesions
Fernando Guedes / Evelina Llorian, BRA

09:15 Ballistic lesions
Shimon Rochkind, ISR

09:30 Modeling materials & peripheral nerves complications
Carlos Rodriguez, MEX

09:45 Case 1
Gabriela Chica Heredia, CHILE

Case 2
Experts panel case discussion

NERVE TRAUMA 3: Brachial Plexus Lesion

10:15 Brachial Plexus anatomy and clinical assessment
Fernando Martinez, URU

10:30 Imaging in BPI
Daniela Binaghi, GER / ARG

10:45 Decision making and timing
Thomas Kretschmer, AUT

11:00 Treatment algorithms in acute traumatic BP injury
Justus Groen / Willem Pondaag, NED

11:15 Discussion

11:45 Coffee break

NERVE TRAUMA 4: Brachial Plexus Lesion

12:05 Surgical procedures to reinnervate the shoulder
Fernando Martinez, URU

12:20 Surgical procedures to reinnervate the elbow
Wilson Faglioni, BRA

12:35 Surgical procedures to reinnervate the hand
Luciano Foroni, BRA

12:50 The Orthopedic view on denervated shoulder
Robert Hudek, GER

Experts panel case discussion

PN SURGERY IN CENTRAL LESIONS

13:10 Surgical procedures in tetraplegic patients
Marc Mahan, USA

13:25 Surgical procedures in spasticity
Christian Hagemann, GER

13:40 Facial reanimation
Anna Zdunczyk, GER

Discussion

14:00 Lunch break

PN TUMORS

15:00 Frequent Benign Peripheral Nerve Tumors
Fernando Guedes / Evelina Llorian, BRA

15:15 Malignant Peripheral Nerve Tumors
Line Jaques, USA

15:30 PNT A sarcoma surgeon perspective
Peter Hohenberger, GER

15:45 Rare PNT
Robert Spinner, USA

Experts panel case discussion: Biopsy?

PAIN

16:15 Peripheral nerve surgery in pain
Marcelo Magalhães, BRA

16:30 The Clinical Aspects of Painful Neuroma
Allan Belzberg, USA

16:45 Neurostimulation for Neuropathic Pain
Ana Lovaglio, ARG

17:00 Experts panel case discussion

17:30 Closing remarks

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PROGRAM | Wednesday, March 26th 2025 | Day 3

09:00 Cadaver dissections

15:00 End of the day