

*First Joint FLANC and EANS Theoretical and Practical  
International Course on  
Peripheral Nerve and Brachial Plexus Surgery  
(Rio de Janeiro, March. 31 - April 2, 2023)*

**First Day – March 31, 2023 (Friday)**

**08:00 - 08:10am – Welcome Address and Opening Remarks - Fernando Guedes (Brazil)**

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**Posthumous Tribute to Dr. Lynda Yang - Lukas Rasulic (Serbia)**

**Traumatic Injuries**

**Session 1 – Evaluation**

**Moderator: Marcelo Magalhães (Brazil)**

**08:10-08:30am** - Clinical diagnosis in brachial plexus trauma in adults

Fernando Martinez (Uruguay)

**08:30-08:50am** - The role of electromyography in the investigation of traumatic peripheral nerve lesions.

Carlos Otto Heise (Brazil)

**08:50-09:10am** - The role of magnetic resonance imaging in the investigation of traumatic peripheral nerve lesions.

Daniela Binaghi (Argentina)

**09:10-09:30am** - The role of ultrasound in the investigation of traumatic peripheral nerve lesions.

Ana Lucila Moreira (Brazil)

**09:30-09:50am - Question and Remarks**

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**Session 2 – Techniques**

**Moderator: Christian Heinen (Germany)**

**09:50-10:10am** - Suturing peripheral nerve lesions: epineural vs. perineural.

Elio Marin (Paraguay)

**10:10-10:30am** - Grafting peripheral nerve lesions: Autograft vs. conduits vs. allograft.

Carlos Rodriguez (Mexico)

**10:30-10:50am** - End-to-side nerve coaptation: When and how to do it. Outcome.

Robert Schmidhammer (Austria)

**10:50-11:10am** - Questions and Remarks

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**11:10-11:30am – Coffee Break**

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**Session 3 – Nerve Repair and Pain**

**Moderator: Mariano Socolovsky (Argentina)**

**11:30-11:50am** - Surgical repair of sciatic nerve traumatic lesions: technical considerations and approaches.

Mark Mahan (USA)

**11:50-12:10am** - Surgical treatment of common peroneal nerve injuries: Nerve repair or tendon transfer or both?

Robert Schmidhammer (Austria)

- 12:10-12:30pm** - Symptomatic stump neuroma: Treatment and prevention  
*Allan Belzberg (USA)*
- 12:30-12:50pm** - The surgical management of pain in peripheral nerve injuries: When and how?  
*Line Jacques (USA)*
- 12:50-01:10pm** - Questions and Remarks
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**01:10-02:20pm – Lunch**

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**Entrapments**

**Session 4 – Entrapment I**

**Moderator: Allan Belzberg (USA)**

- 02:20-02:40pm** - Surgical decompression of the median nerve at the wrist: Classical vs. mini-open vs. endoscopic.  
*Eric Zager (USA)*
- 02:40-03:00pm** - Failed carpal tunnel decompression: Next step?  
*Robert Schmidhammer (Austria)*
- 03:00-03:20pm** - Surgical decompression of the ulnar nerve at the elbow: Indications, techniques and outcome.  
*Lukas Rasulic (Serbia)*
- 03:20-03:40pm** - Retractor-endoscopic nerve decompression in cubital tunnel syndrome: Indications, technique, and outcome.  
*Kartik Krishnan (Germany)*
- 03:40-04:00pm** - Questions and Remarks
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**Session 5 – Entrapment II**

**Moderator: Thomas Wilson (USA)**

- 04:00-04:20pm** - Decompression of the peroneal nerve at the knee: There are predictors of surgical outcome?  
*Christian Heinen (Germany)*
- 04:20-04:40pm** - Neurogenic thoracic outlet syndrome: Current diagnostic criteria and indications for surgery.  
*Roberto Martins (Brazil)*
- 04:40-05:00pm** - Disputed thoracic outlet syndrome cases: When how and why should we operate this entity?  
*Eric Zager (USA)*
- 05:00-05:20pm** - Questions and Remarks
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**05:20-05:40pm – Coffee Break**

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**Session 6 – Iatrogenic / Gunshot Injuries**

**Moderator: Mark Mahan (USA)**

- 05:40-06:00pm** - Iatrogenic nerve injuries in the extremities: Mechanisms, treatment, and patient outcome.  
*Thomas Kretschmer (Austria)*
- 06:00-06:20pm** - Injection-related iatrogenic peripheral nerve injuries: Indication for surgery?  
*Ketan Desai (India)*
- 06:20-06:40pm** - Sciatic nerve injury secondary to total hip arthroplasty: How to manage?  
*Thomas Wilson (USA)*

06:40-07:00pm - Ballistic lesions of the peripheral nerves

*Mark Mahan (USA)*

07:00-07:20pm - Questions and Remarks

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**Tribute - 07:20-07:30pm – Tribute – Dr. Mário Siqueira and Dr. Gregor Antoniadis**

Dr. Mário Siqueira (Brazil) - Dr. Fernando Guedes (Brazil)

Dr. Gregor Antoniadis (Germany) - Dr. Christian Heinen (Germany)

**7:40-10:30pm – Opening Cocktail – Hotel Rooftop 12<sup>th</sup> floor.**

## Second Day – April 1, 2023 (Saturday)

### **Adult Brachial Plexus Lesions**

#### **Session 7 – Techniques I**

**Moderator: Mário Siqueira (Brazil)**

08:00-08:20am - Surgical procedures to reinnervate the shoulder.

*Mariano Socolovsky (Argentina)*

08:20-08:40am - Surgical procedures to reinnervate the elbow: Flexion.

*Mark Mahan (USA)*

08:40-09:00am - Surgical procedures to reinnervate the elbow: Extension.

*Christian Heinen (Germany)*

09:00-09:20am - Surgical procedures to reinnervate the hand: Motor.

*Kartik Krishnan (Germany)*

09:20-09:40am - Surgical procedures to reinnervate the hand: Sensitive.

*Luciano Foroni (Brazil)*

09:40-10:00am - Questions and Remarks

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**10:00-10:20am – Coffee Break**

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#### **Session 8 – Techniques II**

**Moderator: Line Jaques (USA)**

10:20-10:40am - My surgical strategy in C5, C6 ± C7 lesions of the brachial plexus.

*Allan Belzberg (USA)*

10:40-11:00am - My surgical strategy in total lesions of the brachial plexus.

*Thomas Kretschmer (Austria)*

11:00-11:20am - Questions and Remarks

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#### **Session 9 – Adult Brachial Plexus**

**Moderator: Thomas Kretschmer (Austria)**

11:20-11:40am - The role of arm volumes evaluation in the functional outcome and patient satisfaction following surgical repair of brachial plexus traumatic injuries.

*Lukas Rasulic (Serbia)*

11:40-12:00am - Brain plasticity and nerve transfer. What's new.

*Mariano Socolovsky (Argentina)*

12:00-12:20pm - Surgery for traumatic brachial plexus injuries in adults: Cost and satisfaction.

*Wilson Faglioni (Brazil)*

12:20-12:40pm - Questions and Remarks

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12:40-01:40pm – Lunch

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### Session 10 – Neonatal Brachial Plexus Palsy

**Moderator: Robert Schimdhammer (Austria)**

01:40-02:00pm - Which is the best time to operate the neonatal brachial plexus palsy?

*Ricardo Gepp (Brazil)*

02:00-02:20pm - Surgical reconstructive strategies to treat Erb's palsy.

*Marcio Cardoso (Brazil)*

02:20-02:40pm - Surgical reconstructive strategies to treat total brachial palsy.

*Mário Siqueira (Brazil)*

02:40-03:00pm - What results we should expect in the surgical treatment of neonatal brachial plexus palsy?

*Pavel Haninec (Czech Republic)*

03:00-03:20pm - Questions and Remarks

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### Session 11 – Plexus Tumors

**Moderator: Fernando Guedes (Brazil)**

03:20-03:40pm - Imaging findings in neurogenic tumors.

*Lara Brandão (Brazil)*

03:40-04:00pm - Lumbosacral plexus tumors

*Ketan Desai (India)*

04:00-04:20pm - Brachial plexus tumors.

*Thomas Kretschmer (Austria)*

04:20-04:40pm - Questions and Remarks

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04:40-05:00pm – Coffee Break

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### Session 12 – Tumors

**Moderator: Eric Zager (USA)**

05:00-05:20pm - Importance of intraoperative monitoring and percutaneous biopsy in the management of peripheral nerve tumors.

*Thomas Wilson (USA)*

05:20-05:40pm - Solitary schwannomas of the extremities: Diagnostic and surgical details.

*Line Jacques (USA)*

05:40-06:00pm - How to manage a patient with a suspected malignant peripheral nerve sheath tumor?

*Ketan Desai (India)*

06:00-06:20pm - Diagnostic criteria and management of schwannomatosis.

*Allan Belzberg (USA)*

06:20-06:40pm - Questions and Remarks

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**Session 13 – Rehabilitation – Future possibilities**

**Moderator: Roberto Martins (Brazil)**

**06:40-07:00pm** - Indications, timing, and strategies for rehabilitation in peripheral nerve injuries.

*José Vicente Martins (Brazil)*

**07:00-07:20pm** - Tissue-engineered nerve grafts

*Eric Zager (USA)*

**07:20-07:30pm** - Questions

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**07:30-07:40pm** - Closing Remarks

*Fernando Guedes (Brazil)*

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**Third day – April 2<sup>nd</sup>, 2023 (Sunday)**

**Hands-on Practice / Cadaver Lab**

**07:15am** - Departure from Windsor Excelsior Copacabana hotel to the Anatomical Department of the Biomedical Institute of the Federal University of the State of Rio de Janeiro (UNIRIO).

**06:00pm** - Return to the Windsor Excelsior Copacabana

**PS: Only for those who registered for hands-on practice/cadaver lab option**