

Course Presentation

This course aims to assign competences in endoscopic anatomy and endoscopic surgery of the lumbar spine. It will be the second course of the kind organized in Portugal for medical specialists in Neurosurgery and Orthopedics, with interest in spinal pathology. Will be included, in this training, nurses of operative theater with skills in spinal surgery. The course will enable participants to be able to know all the surgical material used in endoscopic surgery of the spine. It will also make it possible to acquire knowledge in the radiological and endoscopic anatomy of the lumbar spine specific to this surgical technique and correctly perform the various endoscopic surgical techniques for the treatment of various pathologies. The interaction between physicians of the two specialties involved in the surgical treatment of the pathology of the spine - Neurosurgery and Orthopedics - will be promoted for the different way they approach the mentioned pathology, privileging the anatomical, radiological and surgical concepts.

Course generic objectives and learning outcomes to be developed by the students

Promote knowledge of the radiological and endoscopic anatomy of the spine (lumbar region); Promote knowledge of the endoscopic surgical technique of the spine (lumbar region); Familiarize the participants with the instruments and equipment used in endoscopic surgery of the spine. To allow the observation and realization, in the corpse and in a tutorial teaching environment, of the various basic and advanced endoscopic surgical techniques for the lumbar spine, using the various approaches. To give nurses of the operating room the skills to the surgeries that include this type of material and surgical techniques.

Coordination

Diogo Pais, MD, PhD

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Faculty

Gonçalo Neto d' Almeida, MD, PhD | Neurosurgery, Lisbon, Portugal

Joaquim Pedro Correia, MD | Neurosurgery, Lisbon, Portugal

Thomas Lübbers, MD | Neurosurgery, Leer, Germany

Johann Peltier, MD, PhD | Neurosurgery, Amiens, France

Michael Hess, MD | Orthopedic Surgery, Pain Management, Munich, Germany

Armando Barbosa, MD | Pain Management, Anesthesiology, Lisboa, Portugal

Sergey Lyulin, MD, PhD | Neurosurgery, Kurgan, Russia

Rainer Baalman, MD | Pain Management, Neurosurgery, Lingen, Germany

Artur Lourenço, MD | Neurosurgery, Faro, Portugal

LISBON LAB Hands-On Endoscopic Lumbar Spine Surgery Course

2nd edition - 2019

15-16 JANUARY | LISBON, PORTUGAL

NOVA MEDICAL SCHOOL



Hands-On Lab Training (Anatomical Specimens) Lectures and Breakouts

Organization



Scientific Sponsorship



Sponsorship



Commercial Support



Information and Registration: lisbonlab1977@gmail.com

08:00 am *Registration / Morning Coffee*

08:15 am *Welcome and Opening*

Diogo Pais, MD, PhD

João Goyri O'Neill, MD, PhD

Gonçalo Neto d' Almeida, MD, PhD

Joaquim Pedro Correia, MD

LECTURES: Fundamentals and Techniques

08:30 am *Descriptive Anatomy of the Neuroforamen*

Artur Lourenço, MD

08:45 am *Concept and Philosophy of Spine TIP*

Thomas Lübbers, MD

09:00 am *Techniques of Percutaneous Spine Endoscopy*

Rainer Baalman, MD

09:15 am *Techniques and Results of Interlaminar Endoscopic Disc Surgery*

Sergey Lyulin, MD, PhD

09:30 am *The "in to out" technique in lateral disc herniation*

Thomas Lübbers, MD

09:45 am *PELD and Ambulatory Surgery*

Johann Peltier, MD, PhD

10:00 am *Coffee Break*

LECTURES: Clinical Applications Part 1

10:30 am *Navigation and Monitoring in percutaneous approaches*

Rainer Baalman, MD

10:45 am *PELD (Percutaneous Endoscopic Lumbar Discectomy) in the hidden Zone*

Thomas Lübbers, MD

11:00 am *Some pearls and something went wrong...*

Thomas Lübbers, MD

11:15 am *PELD: Surgical experience with the use of ROSA™ Spine Robot*

Johann Peltier, MD, PhD

11:40 am *Percutaneous Endoscopic Thoracic Discectomy: Technical nuances and clinical results*

Thomas Lübbers, MD

12:00 pm *Clinical Cases*

Michael Hess, MD, Johann Peltier, MD, PhD, Thomas Lübbers, MD

12:30 pm *Lunch*

TUESDAY
15th January

01:30 pm **HANDS-ON LAB:**

Surgical Equipment: Karl Storz™

Discography, Interlaminar and Transforaminal Approaches

01:30 pm *Presentation of Endoscopes and Instruments*

Karl Storz™ (Sara Mäntele, German; João Pinto Leite, Portugal)

01:45 pm *Demonstration 1: Discography Technique (all stations)*

01:45 pm *Discography - Simulation in Model with visualization in X-ray and CT Scan*

Felix Antenbrink - Phacon™ Station

02:00 pm *Demonstration 2: Transforaminal Approach (all stations)*

02:15 pm *Demonstration 2: Interlaminar Approach (all stations)*

02:30 pm *Surgical Practice (all stations)*

06:00 pm *End of Day 1*

08:00 pm *Dinner*

07:50 am *Morning Coffee*

LECTURES: Clinical Applications - Part 2

08:00 am *The Postero-Lateral Approach*

Johann Peltier, MD, PhD

08:20 am *Highlights and Rare Indications*

Thomas Lübbers, MD | Sergey Lulin, MD

08:40 am *Video-session: Clinical Cases with Spine TIP*

Michael Hess, MD | Thomas Lübbers, MD | Johann Peltier, MD, PhD

09:00 am *Coffee Break*

09:30 am **HANDS-ON LAB**

Discography, Postero-Lateral Approach

09:30 am *Demonstration: Postero-Lateral Approach*

Thomas Lübbers, MD | Johann Peltier, MD, PhD

12:45 pm *Final Discussion*

MODERATOR: Joaquim Pedro Correia, MD | All Faculty

01:00 pm *Lunch*

02:30 pm **HANDS-ON LAB (Optional): Additional Time to Practice**

05:00 pm *End of Course*

Diogo Pais, MD, PhD | João Goyri O'Neill, MD, PhD

Gonçalo Neto d' Almeida, MD, PhD | Joaquim Pedro Correia, MD

WEDNESDAY
16th January