

# PROGRAM

## **PERCUTANEOUS ENDOSCOPIC SURGERY OF THE LUMBAR AND THORACIC SPINE (FULLY-ENDOSCOPIC)**

**NOVEMBER, 17<sup>TH</sup> AND 18<sup>TH</sup> 2017**



### **CHAIRMAN**

**Henrique Prata**

*General Director  
Hospital de Cancer de Barretos*

### **PRESIDENT**

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University of Strasbourg  
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### **DIRECTOR**

**A. Melani**

*Director, IRCAD América Latina  
Americas Medical City, Rio de Janeiro,  
Brazil*

### **COURSE DIRECTOR**

**T. Lübbers**

*Spine Center Maria Hilf Stadtlohn  
Germany*

## **OBJECTIVES**

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- ▶ to cover a broad spectrum of surgical procedures in the lumbar and thoracic spine surgery,
- ▶ to provide indications for surgical treatment and discuss operative complications,
- ▶ to highlight technicalities of surgical interventions through the broadcasting of videos,
- ▶ to allow discussion between the experts and the surgeon trainees,
- ▶ to provide hands-on sessions to improve skills in the lumbar and thoracic spine surgery through practice on cadaveric tissue under experts' tutorials,
- ▶ to describe postoperative clinical results and practical applications of evidence-based clinical medicine.

## **EDUCATIONAL METHODS**

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- ▶ Hands-on training on cadaveric tissue in experimental lab,
- ▶ Interactive theoretical and video sessions between Faculty and course participants.

## **FACULTY**

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David del Curto (Brazil)  
Marcus Serra (Brazil)  
Renato Ueta (Brazil)  
Roger Brock (Brazil)  
Thomas Lübbers (Germany)

## Friday, November 17<sup>th</sup> 2017

Faculty & Participants Shuttle Bus : Hotel - AMITS

Registration

09:00 - 09:15 am Welcome to participants

### **THEORETICAL SESSION : FUNDAMENTALS AND TECHNIQUES OF PERCUTANEOUS ENDOSCOPIC INTERVERTEBRAL DISC AND SPINE SURGERY**

|                  |                                                       |                        |
|------------------|-------------------------------------------------------|------------------------|
| 09:15 - 09:30 am | Basic Anatomy of the Lumbar and Thoracic Neuroforamen | <b>David del Curto</b> |
| 09:30 - 09:50 am | Concept and Philosophy of Spine TIP                   | <b>Thomas Lübbers</b>  |
| 09:50 - 10:05 am | What endoscopic surgery do we have on the spine?      | <b>Roger Brock</b>     |
| 10:05 - 10:15 am | Presentation of Endoscopes and Instruments            | <b>Aline Sant'Ana</b>  |
| 10:15 - 10:30 am | Techniques of Percutaneous Spine Endoscopy            | <b>Thomas Lübbers</b>  |

10:30 - 11:00 pm Coffee break

### **THEORETICAL SESSION : FUNDAMENTALS AND TECHNIQUES OF PERCUTANEOUS ENDOSCOPIC INTERVERTEBRAL DISC AND SPINE SURGERY**

|                  |                                                                    |                        |
|------------------|--------------------------------------------------------------------|------------------------|
| 11:00 – 11:15 am | The Interlaminar Approach                                          | <b>David del Curto</b> |
| 11:15 – 11:30 am | Endoscopic Anatomy of the Lumbar Neuroforamen. A Prospective Study | <b>Thomas Lübbers</b>  |
| 11:30 – 11:40 am | Laboratory Rules                                                   | <b>Emilio Belmonte</b> |

11:40 - 12:40 pm Lunch at the institute

### **PRACTICAL SESSION IN EXPERIMENTAL LABORATORY : WORKSHOP USING ANATOMICAL SPECIMENS – PART 1**

|                  |                                                                              |         |
|------------------|------------------------------------------------------------------------------|---------|
| 12:40 - 01:10 pm | Demonstration of the Interlaminar Approach (David del Curto)                 |         |
|                  | Demonstration of the Transforaminal Approach ( Thomas Lübbers)               |         |
|                  | Group 1 and 2 Puncture of the Disc for Transforaminal Approach (All Faculty) |         |
|                  | Group 3 and 4 “Get used to Instruments and Optics” ( KarlStorz company)      |         |
|                  | Group 3 and 4 Puncture of the Disc for Transforaminal Approach (All Faculty) |         |
|                  | ➤ Hands on training with the “Blue System”                                   | Faculty |
| 05:00 pm         | End of day session                                                           |         |
|                  | Faculty & Participants Shuttle Bus : AMITS – Hotel                           |         |

## Saturday, November 18<sup>th</sup> 2017

### THEORETICAL SESSION :

8:00 - 8:15 am PELD in the hidden zone - Clinical Results

**Thomas Lübbers**

8:15 - 8:30 am Pearls and Pitfalls

**Thomas Lübbers**

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY : WORKSHOP USING ANATOMICAL SPECIMENS – PART 2

Demonstration of the Posterolateral Approach ( Thomas Lübbers)

Group 3 and 4 Puncture of the Disc for Posterolateral Approach (All Faculty)

Group 1 and 2 “Get used to Instruments and Optics” ( KarlStorz company)

8:30 - 12:00pm Group 1 and 2 Puncture of the Disc for Posterolateral Approach (All Faculty)

Hands on training with the “Green System” (All Faculty)

10:00 - 11:00 am *Open Coffee break*

12:00 – 1:00 pm Percutaneous Endoscopic Spine Surgery - a lot to discover  
Final discussion

**Thomas Lübbers**

1:00 - 1:45 pm *Lunch at the institute*

1:45 pm End of the course  
Faculty & Participants Shuttle Bus : AMITS – Hotel