

# PROGRAM

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

**APRIL, 29<sup>TH</sup> AND 30<sup>TH</sup> 2016**



### **CHAIRMAN**

**Henrique Prata**

*Director General  
Hospital de Cancer de Barretos*

### **PRESIDENT**

**J. Marescaux**

*President, IRCAD  
University of Strasbourg  
France*

### **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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Alexandre Alvarenga  
David Del Curto  
Renato Hiroshi S. Ueta  
Thomas Lübbers

## Friday, April 29<sup>th</sup> 2016

Faculty & Participants Shuttle Bus : Hotel - AMITS

Registration

10:00 - 10:15 am Welcome to participants

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

10:15 - 10:30 am	Basic Anatomy of the Lumbar and Thoracic Neuroforamen	<b>David del Curto</b>
10:30 - 10:50 am	Concept and Philosophy of Spine TIP	<b>Thomas Lübbers</b>
10:50 - 11:05 am	Indications, Surgical Planning and Equipment	<b>Renato Ueta</b>
11:05 - 11:15 am	Presentation of Endoscopes and Instruments	<b>Leandro Kubagawa</b>
11:15 - 11:30 am	Techniques of Percutaneous Spine Endoscopy	<b>Thomas Lübbers</b>

11:30 - 12:00 pm *Coffee break*

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

12:00 – 12:15 pm	The Interlaminar Approach	<b>David del Curto</b>
12:15 – 12:30 pm	Endoscopic Anatomy of the Lumbar Neuroforamen. A Prospective Study	<b>Thomas Lübbers</b>
12:30 – 12:40 pm	Laboratory Rules	<b>Emilio Belmonte</b>

12:40 - 01:40 pm *Lunch at the institute*

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

01:40 - 02:10 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
06:00 pm	End of day session	
	Faculty & Participants Shuttle Bus : AMITS – Hotel	

**Saturday, April 30<sup>th</sup> 2016**

**THEORETICAL SESSION :**

9:00 - 9:15 am PELD in the hidden zone - Clinical Results

**Thomas Lübbers**

9:15 - 9:30 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)

9:30 -1:00pm

Group 1 and 2 Puncture of the Disc for Posterolateral Approach (All Faculty)

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

1:00 – 2:00 pm Percutaneous Endoscopic Spine Surgery - a lot to discover  
Final discussion

**Thomas Lübbers**

**2:00 - 2:45 pm Lunch at the institute**

2:45 pm End of the course

Faculty & Participants Shuttle Bus : AMITS – Hotel