



# Advanced Spinal Endoscopy Course

SEPTEMBER 3, 2025 | Bariloche, Argentina



## General Information

WFSEC25. WFSE WORLD CONGRESS.  
BEC BARILOCHE CONVENTION CENTER.  
Bariloche | Patagonia | Argentina  
[www.wfse-congress.com](http://www.wfse-congress.com)

### Chair of Education Committee

**João Bergamaschi**

Ortopedista & Spinal Endoscopy Expert  
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### Director of Education and Research

### Education and Research Manager

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## Programme Goal

### Advanced Endoscopic Spine Surgery

Endoscopic spine surgery is becoming the ultimate tissue preserving technique to treat a multitude of spine pathologies with accumulating evidence in support of its efficacy and reduced complication rate. This has generated huge interest among surgeons worldwide to learn and adopt this technology.

This course will enlarge your knowledge and technical skills to take the next step in your endoscopic practice to master cervical and thoracic pathologies and the treatment options for endoscopic fusion.

## Quick Facts

<b>DATE &amp; TIME</b>	SEPTEMBER 3 2025 ( 14:00 hs - 18:00hs)
<b>VENUE BEC</b>	Bariloche Convention Center   Patagonia   Argentina
<b>MAX. ATTENDEES</b>	60 delegates maximum
<b>REGISTRATION FEES</b>	WFSE member: 300USD - Non-member: 400USD
<b>CME CREDITS</b>	Accreditation for Continuing Medical Education will be provided by the World Federation of Spine Endoscopy Society & ARMISS Society
<b>LANGUAGE</b>	English
<b>DRESS CODE</b>	Smart casual
<b>COURSE COMPLETION</b>	Requirements for Obtaining the Continuing Medical Education Certificate: 1. Mandatory attendance at 100% of the theoretical course 2. Successful completion of the self-assessment
<b>TARGET AUDIENCE</b>	Senior trainees and trained surgeons, who are planning a career in spine surgery
<b>IMPORTANT!</b>	All participants will observe the various surgical techniques, previously presented orally, on anatomical models

# Programme

AVAILABLE FROM JULY 1 - 2025

TIME / DURATION	Topic
14:00 - 14:30	Evolution of full-endoscopic spine surgery
<b>Cervical procedures</b>	
14:30 - 15:00	Posterior endoscopic cervical foraminotomy — step by step
15:00 - 15:30	Cervical UBE — step by step
15:30 - 16:00	Knowledge check questions
<b>Thoracic procedure</b>	
16:00 - 16:30	Thoracic Transforaminal Decompression
<b>Endoscopic fusion</b>	
16:30 - 17:00	Endoscopic fusion step by step
17:00 - 18:00	Knowledge check questions

# Learning Outcomes

## Endoscopy in Cervical Spine

- Explain and differentiate the endoscopic techniques in cervical spine
- Describe the relevant anatomy for cervical endoscopy
- List and evaluate the different techniques in cervical spine

Describe the posterior cervical endoscopic foraminotomy technique (PECF) (theatre set-up, patient positioning, planning, procedural steps, limitations)

- Describe the cervical endoscopic unilateral Laminotomy for Bony Decompression technique (CE-ULBD) (theatre set-up, patient positioning, planning, procedural steps, limitations)

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- ## Endoscopic Fusion Techniques

Describe the monoportal endoscopic fusion technique (theatre set-up, patient positioning, planning, procedural steps, limitations)

Describe the biportal endoscopic fusion technique (theatre set-up, patient positioning, planning,

- procedural steps, limitations)

- ## Learning Objectives

- Determine the optimal indications for novice surgeons and recognize contraindications grounded in scientific evidence

Analyze the potential risks and complications of various surgical procedures and discuss effective

- strategies for prevention and management

## Course Completion Requirements

Participants must fulfill the following requirements to complete this course: - Achieve a minimum

- score of 70% on the self-assessment quizzes - Complete the course evaluations, including a reflective component.

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- Through reflective evaluation, participants will be able to synthesize their learning and apply it to real-world clinical scenarios

## Recommended Reading

AOSpine Consensus Paper on Nomenclature for Working-Channel Endoscopic Spinal Procedures. Global Spine Journal. 2020 Apr; 10(2 Suppl): 1115–1215. DOI: 10.1177/2192568219887364

Endoscopic Spine Surgery (J Korean Neurosurg Soc 60 (5): 485-497, 2017) DOI: 10.3340/jkns.2017.0203.004

Endoscopic Disc and Decompression Surgery (Book chapter) Rütten, Hahn (AOSpine MISS)

Comparative Study Between Uniportal Full-Endoscopic Interlaminar and Tubular Approach in the Treatment of Lumbar Spinal Stenosis: A Pilot Study. Global Spine Journal 2020, Vol. 10(2S) 70S-78S

TELF: Percutaneous Endoscopic Lumbar Foraminotomy: An Advanced Surgical Technique and Clinical Outcomes. Neurosurgery, 2014, 75:124–133. DOI: 10.1227/NEU.00000000000000361

TE-LRD: Percutaneous Transforaminal Endoscopic Decompression on Lateral Recess Stenosis: Technical Notes and Outcomes of Two Years Follow-up. A Case Series Study. International Journal of Clinical and Experimental Medicine, 2018; 11(10):10731-10739. URL: [www.ijcem.com/IJCEM0077613/](http://www.ijcem.com/IJCEM0077613/) ISSN: 1940-5901

Complications of Percutaneous Endoscopic Lumbar Discectomy: Experiences and Literature Review. Zhu et al., J Spine 2017, 6:6. DOI: 10.4172/2165-7939.1000402

Unique Complications of Percutaneous Endoscopic Lumbar Discectomy and Percutaneous Endoscopic Interlaminar Discectomy. Pain Physician 2018; 21: E105-E112 • ISSN 2150-1149#

Complications and Limitations of Endoscopic Spine Surgery and Percutaneous Instrumentation. Kim HS, Sharma SB, Wu PH, Raoarane HD, Adsul NM, Singh R, et al. Indian Spine Journal 2020; 3:78-85

New Era of Percutaneous Endoscopic Lumbar Surgery: Lumbar Stenosis Decompression – A Technical Report. Choi et al., J Spine 2014, 3:5. DOI: 10.4172/2165-7939.1000182

Clinical Outcomes and Complications after Biportal Endoscopic Spine Surgery: A Comprehensive Systematic Review and Meta-analysis of 3673 Cases. Don Y. Park, Alexander Upfill-Brown, Nora Curtin, Christopher D. Hamad, Akash Shah, Brian Kwon, Yong H. Kim, Dong Hwa Heo, Cheol Woong Park, William L. Sheppard. DOI: 10.1007/s00586-023-07701-9

# Course Structure

## Theoretical Foundations and Live Demonstration

The course will consist of a theoretical component, followed by a live demonstration of surgical techniques on anatomical models and endoscopic tower, led by a renowned expert in the field. This format will enable participants to bridge the gap between theory and practice.

## Registration Guidelines

Enrollment Limitation: Enrollment is strictly limited to 80 participants. No exceptions will be considered.

Course Registration Options: Participants may register for the introductory course, the advanced course, or both courses. Registration for each course must be completed separately.

### REGISTRATION & INFORMATION

[www.wfse-congress.com/contact](http://www.wfse-congress.com/contact)

Pre-Congress Course & Workshop Registration: [precongress@wfse-congress.com](mailto:precongress@wfse-congress.com)

## SUPPORTERS OF THE EVENT

