

Course Description

The NEXON competency- & problem- based curriculum aims to support our learners expedite the acquisition of the *right* competencies to perform interlaminar endoscopic spine surgery safely and reproducibly as they deliver.

Target Audiences

Surgeons who are familiar and confident in performing MIS techniques and are looking to enhance surgical outcomes and their patients' experience by transitioning to biportal endoscopic surgery.

Pre-Course

Nexon offers materials for our learners to prepare and acquaint themselves with key elements of the procedure before attending the course. Coming fully prepared for the course, enhances our learners on-site learning eXperience.

- ▶ Competency GAP Analysis: enables faculty to personalize the learning
- ▶ Surgical Handbook: empowers familiarization with key elements
- ▶ Surgical Video: encourages focus on physical movements of the procedure

Course

- ▶ Case Discussion: *enhances know how and clinical reasoning*
- ▶ Practical skills: *focus on deliberate practice to develop actual surgical skills*
- ▶ Reflection exercise: *engrain learning by building on your experience*

Registration Fees

- ▶ CHF 1'850.-* per participant, inclusive food, and beverage

*Optional: Nexon can organize one-day "clinical observation" with national faculty – CHF 1'000**

**Excludes travel and accommodation*



Please reserve your place

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Biportal Endoscopic Spine Surgery

Module 1: Interlaminar Approach for Stenosis and Disc Hernia using the Drill

Part of the Endoscopic Spine Curriculum

Wednesday, 28th – Thursday, 29th of June 2023
Thursday, 29th – Friday, 30th of June 2023
Thursday, 31th of August – Friday, 01st of September 2023
Thursday, 21st – Friday, 22nd of September 2023
Thursday, 26th – Friday, 27th of October 2023
Thursday, 09th – Friday, 10th of November 2023
Thursday, 14th – Friday, 15th of December 2023

→ Training on Day 1 starts at 18:00 and ends on Day 2 at 17:00

Nexon Medical Training Center
Länggasse 4, 6208 Oberkirch, Switzerland

Faculty: *



PD Dr. Antonio Faundez

Orthopedic surgeon,
Hôpital de la Tour, Meyrin
Switzerland



Prof. Dr. Jin-Sung Luke Kim

Department of Neurosurgery,
Seoul St. Marys Hospital
South Korea

* The attending Faculty will be presenting with reservation depending on the course date.

Your patient safety and your surgical reputation are critical to us. As an independent Swiss company, our goal is to support you enhancing both.

Learning outcomes

By the end of this course, a learner should be able to:

1. Describe the main differences between microscopic, uniportal endoscopic and biportal endoscopic surgery
2. Select the proper indications and limitation of applying the biportal intralaminar approach
3. Recognize the relevant surgical anatomy and key landmarks
4. Determine the appropriate OR set-up and patient positioning for the technique
5. Associate the correct procedural steps for lateral recess decompression for lumbar stenosis
6. List the most typical complications and management strategies for biportal endoscopic surgery
7. Demonstrate appropriate motor-skills and hand-eye coordination to perform the procedure safely.

Endoscopic Spine Curriculum to elevate your skills

- ▶ **Module 1:** Interlaminar Approach for Stenosis and Disc Hernia Using the Drill
- ▶ **Module 2:** Complex Stenosis - Complications in Interlaminar Access
- ▶ **Module 3:** Endoscopic Fusion - TLIF and Screw Placement

Please note the Nexon Curriculum is progressive, you need to complete modules in the given order to progress.

MODULE 1: PRE-LIMINARY AGENDA

Day 1

- 18:00 Welcome
 - ▶ Expectations of Participants
 - ▶ Advantages and Opportunities of Endoscopy
 - ▶ True Educational Approach by Nexon
- 18:30 Technical Features of the System & Hands-on Simulations (Endobox and King Oyster Model)
- 20:00 Dinner

Day 2

- 08:00 Welcome & Overview of the Day
- 08:05 Gap Analysis
- 08:35 PEYTON Model #3 – Comprehension (Flipped Classroom)
- 09:35 Basic Technique of Unilateral Biportal Endoscopy using Interlaminar Approach – Tips and Tricks
- 09:55 Coffee Break
- 10:10 PEYTON Model #4 – Performance (Realistic Spine Lab)
 - ▶ Ipsilateral Lateral Recess Decompression
- 12:40 Lunch
- 13:10 PEYTON Model #4 – Performance (Realistic Spine Lab)
 - ▶ Ipsilateral Lateral Recess Decompression
- 15:10 Case Discussion
- 16:10 Complications related with Biportal Endoscopic Spine Surgery. Avoidance and Management
 - ▶ Increased Epidural Pressure
 - ▶ Dura Leakage
 - ▶ Post-operative Haematoma
- 16:30 Reflection and Commitment to Change
- 16:50 Take Home Message
- 17:00 Optional: PEYTON Model #4 Hands-on