

40th Jubilee Symposium

ISMISS 2025

Oct 03/04, 2025

Course for Percutaneous Endoscopic Spinal Surgery and Complementary Minimal Invasive Techniques

Featuring world-renowned international faculty
and a cutting-edge technical exhibition

Course Venue
Hirslanden Klinik Zurich, Switzerland

Course Chairman
Benedikt Burkhardt, M.D.

TOPICS IN PROGRAM

Endoscopic and minimal intervention in spine surgery for degenerative disorders, infectious disease, neoplastic disease, and trauma of the cervical, thoracic and lumbar spine.

- Anatomical pathways and technical considerations in less invasive spinal surgery
- Evolution of minimal invasive spinal surgery and its state of the art
- Indication for percutaneous and minimal intervention procedures
- Percutaneous posterolateral intradiscal/ transforaminal endoscopic techniques
- Percutaneous interlaminar and translaminar endoscopic techniques
- Endoscopic and minimal invasive intervertebral fusion procedures
- Minimal retroperitoneal operative pathways in the thoracolumbar spine
- Minimal open approaches to the anterior thoracolumbar spine
- Minimal invasive thoracoscopic disc surgery
- Minimal invasive vertebral body augmentation and stabilisation for tumours and trauma
- Interspinous process devices and dynamic fixation in the lumbar spine

Credits
The course has been accredited by the Swiss Society of Neurosurgery (SGNC) for 16 credits and by the Swiss Society of Orthopedics (SGO) for 8 credits.

40th Jubilee Course
The International Society for Minimal Intervention in Spinal Surgery (ISMISS) is pleased to host the 40th Jubilee Course, commemorating four decades of significant advancement and leadership in minimally invasive and endoscopic spinal surgery. This distinguished event will convene an international assembly of preeminent surgeons, researchers, and innovators.

The course offers a cutting-edge scientific programme, presenting pioneering advancements and lectures by world-renowned speakers, grounded in an unwavering commitment to high-quality, value-driven, and evidence-based spine care.

It is open to spine surgeons, trainees, physician assistants, nursing professionals, allied health practitioners, and researchers.



Benedikt Burkhardt, M.D., Zurich, Switzerland
ISMISS President



Hansjoerg Leu, M.D., Zurich, Switzerland
ISMISS Past President

SCIENTIFIC PROGRAM

14:00 – 15:00 Registration

Session 1 | Friday, Oct 03, 2025 | Chairman/Moderator: Benedikt Burkhardt, Ali Mesiwala

15:00	Welcome	Burkhardt, Benedikt	Zurich, Switzerland
15:10	The Importance of the Paravertebral Muscles for the Surgical Treatment of the Lumbar Spine	Radchenko, Vladimir	Kharkiv, Ukraine
15:18	MRI – Denervation of the paraspinal muscle	Mamisch, Nadja	Zurich, Switzerland
15:26	Regaining Posture: Postsurgical spinal alignment strategies	Deshpande, Anagha	Miraj, India
15:34	Radiation Protection in Spinal Surgery	Peev, Nikolai	Belfast, Ireland
15:40	Outpatient surgery – What spine care can be safely done in the outpatient setting. Review of 20 years of personal experience	Mesiwala, Ali	Los Angeles, USA
15:48	Endoscopic disc prosedures and biologics	Poliak, L'ubomír	Brno, Czech Republic
15:56	Endoscopic Spine Surgery: Marketing tool or Paradigm Shift	Fessler, Richard	Chicago, USA
16:05 – 16:30	**Coffee Break**		

SCIENTIFIC PROGRAM

Session 2 | **Friday, Oct 03, 2025** | **Moderator:** Alvaro Dowling, Christof Birkenmaier

16:30	Can electrophysiologic monitoring prevent neurologic complications of spine surgery	Zileli, Mehmet	Istanbul, Turkey
16:38	„Dynamic“ lumbar stabilisation: perceived benefits, ideal indications, and what has been learned	Birkenmaier, Christof	Munich, Germany
16:46	Mini-open stand alone ALIF - Technical nucances and patients selection	Keel, Marius	Zurich, Switzerland
16:54	ALIF vs. full-endoscopic/percutaneous TLIF (pTLIF) with a large footprint interbody cage: a comparative, prospective observational study	Morgenstern, Christian	Barcelona, Spain
17:02	Stand alone endoscopic lumbar interbody fusion - Technical nuances and clinical results	Lewandrowski, Kai	Tucson, USA
17:10	Minimally invasive surgery for deformity and scoliosis – What is possible and what are the limits	Polythodorakis, Ioannis	Athens, Greece
17:18	Endoscopic Assisted 360 Lumbar Fusion	Dowling, Alvaro	Santiago, Chile
17:26	Navigated percutaneous pedicle screw augmentation with augmented virtual reality – tips and tricks	Linsler, Stefan	Bayreuth, Germany
17:34	MIS instrumentation in combination with endoscopic decompression	Shiban, Ehab	Cottbus, Germany
17:42	Sacral factures: Minimally invasive treatment options	Abdelfattah, Saoud	Cairo, Egypt

SCIENTIFIC PROGRAM

Session 3 | **Friday, Oct 03, 2025** | **Moderator:** Kai Lewandrowski, Stefan Hellinger

18:00	**Pros and cons** UBE versus monoportal endosopy		
	Scope and Challenges of the Transforaminal Full Endoscopic Technique in the Treatment of Lumbar Stenosis	Dowling, Alvaro	Santiago, Chile
	Transforminal Full Endoscopic Technique for Migrated Disc Herniation	Jun Ho Lee	Seoul, South Korea
	UBE Challenging Foraminal Frontiers	Pestonji, Malcolm	Maharashtra, India
	Current State of UBE and Next	Eum, Jin	Abu Dhabi, United Arab Emirates
18:30	**End**		
19:00	**Gala dinner,** **Zunfthaus zur Zimmerleuten**		

SCIENTIFIC PROGRAM

08:00 – 08:40 Registration

Session 4 | Saturday, Oct 04, 2025 | Moderator: Nikolai Peev, Sebastian Senger

08:44	Endoscopic vs. microsurgical decompression in lumbar stenosis - current state of the literature	Senger, Sebastian	Bamberg, Germany
08:52	Endoscopic Surgical Treatment for Lumbar Spinal Canal Stenosis in Patients with Obesity	Al-Awamleh, Fadel	Homburg, Germany
09:00	Incidence and repair of dura injuries after endoscopic resection of lumbar synovial cysts	Alisauskas, Joris	Homburg, Germany
09:08	EndoLIF approach - First steps. How to start an initial experience	Peev, Nikolai	Belfast, Ireland
09:16	ULIF (Unilateral lumbar interbody fusion) advantages and disadvantages	Lontkovskiy, Yuriy	Kamyanets-Podilskiy, Ukraine
09:24	Translaminar and Transfacetal Full Endoscopic Lumbar Interbody Fusion	Datar, Girish	Sangli, India
09:32	How I do it? Biportal endoscopic spinal surgery for the treatment of contralateral lumbar foraminal stenosis	Pina, Kelvin	Oviedo, Spain
09:40	Complications in full endoscopic lumbar spinal surgery and tricks to avoid them	Sencer, Altay	Istanbul, Turkey
09:50 – 10:10	**Coffee Break**		

SCIENTIFIC PROGRAM

Session 5 | **Saturday, Oct 04, 2025** | **Moderator:** Christian Morgenstern, Joachim Oertel

10:15	Navigation assisted endoscopic posterior cervical foraminotomy	Lepshokov, Magomed	Homburg, Germany
10:23	Endoscopic surgery of the cervical spine – what can we expect	Hellinger, Stefan	Munich, Germany
10:31	Hybrid surgery in the treatment of degenerative cervical disc disease – Indications and tips and tricks	Gitter, Sebastian	Biberrach, Germany
10:39	Endoscopic versus posterior foraminotomy for cervical radiculopathy – A meta-analysis and review of the existing publication.	Jun Ho Lee	Seoul, South Korea
10:47	Full-endoscopic anterior cervical discectomy and fusion (eACDF): A novel approach	Morgenstern, Christian	Barcelona, Spain
10:55	Endoscopic anterior cervical disc surgery using the Destandeau technique	Rohidas, Shrinivas	Kolhapur, India
11:05 – 11:15	Discussion & Debate		

SCIENTIFIC PROGRAM

Session 6 | **Saturday, Oct 04, 2025** | **Moderator:** Erwin Cornips, Thomas Lübbers

11:15	Transforaminal endoscopic decompression for thoracic myelopathy under local anesthesia	Choi, Gun	Pohang, South Korea
11:23	State of the Art of Cervical and Thoracic Endoscopic Treatment for Myelopathy	Dowling, Alvaro	Santiago, Chile
11:31	Percutaneous endoscopic treatment of thoracic disc herniation. The modified „inside out“ technique alone or in combination with the „outside in“ maneuver - technical aspects and clinical results	Lübbers, Thomas	Löningen, Germany
11:39	Treatment of thoracic disc herniation via 3D endoscopic thoracoscopic approach	Cornips, Erwin	Genk, Belgium
11:47	Endoscopic transforaminal thoracic disc surgery – where are the limitations	Saftic, Robert	Zagreb, Croatia
11:55 – 12:05	Discussion & Debate		
12:05 – 13:00	**Lunch break**		

SCIENTIFIC PROGRAM

Session 7 | **Saturday, Oct 04, 2025** | **Moderator:** Altay Sencer, Zenya Ito

13:10	Endoscopic Lumbar Foraminoplasty and Foraminotomy: A Targeted Approach to Nerve Root Decompression	Soares, Thiago	Porto Alegre, Brazil
13:18	New look at anatomy of degenerating lumbar segment: 4 Z 3w concept for transforaminal surgery	Gore, Satish	Pune, India
13:26	Safety of irrigation in lumbar endoscopic discectomy	Sencer, Altay	Istanbul, Turkey
13:34	Percutaneous Endoscopic Discectomy Transforaminal approach	Ito, Zenya	Aichi, Japan
13:42	Percutaneous Transforaminal Endoscopic Decompression for Faiiled Back Spine Surgery and Severe Spinal Stenosis of Elders	Satana, Tolgay	Istanbul, Turkey
13:50	Endoscopic surgery for degenerative lumbar deformity	Darwono, Bambang	Jakarta, Indonesia
13:58	Navigating the learning curve of endoscopic lumbar disc surgery, our experience	Kanaan, Tareq	Amman, Jordan
14:06	Navigating the Interlaminar Route: Anatomical, Technical Challenges, Limitations and possible complications in Full-Endoscopic Lumbar Decompression	Sudario, Marlon	Belo Horizonte, Brazil
14:14	25 years experiences in percutaneous endoscopic procedures on the lumbar and thoracic spine: Colibris and case reports - a personel experience	Lübbers, Thomas	Löningen, Germany
14:22 – 14:40	**Coffee Break**		

SCIENTIFIC PROGRAM

Session 8 | **Saturday, Oct 04, 2025** | **Moderator:** Richard Fessler, Valentyn Piontkovskyi

14:45	Endoscopic treatment of lumbar degenerative disc disease	Piontkovskyi, Valentyn	Rivne, Ukraine
14:53	Endoscopic interlaminar lumbar discectomy and posterior cervical discectomy: What is possible? Extreme cases of endoscopic spine surgery	Sentürk, Salim	Istanbul, Turkey
15:01	EasyGO Tubular Endoscopy: A Jordan Persopective on minimally invasive Spine Surgery	AbuAlia, Luay	Amman, Jordan
15:09	Full endoscopic Access & Approaches for Extraforaminal Disc herniations	Datar, Girish	Sangli, India
15:17	A trial for recurrent lumbar disc herniation. Endoscopic versus microscopic treatment.	Harhangi, Sanjay	Rotterdam, Netherlands
15:25	Recurrence diskusprolaps using tubular endoscopic system	Aldaher, Fadi	Homburg, Germany
15:33	Future of MIS based Spine Surgery	Fessler, Richard	Chicago, USA
15:41	Closing Remarks	Burkhardt, Benedikt	Zurich, Switzerland
16:00	**End**		

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