

SCIENTIFIC PROGRAM

# ISMIS 2024

SEPTEMBER 13<sup>th</sup> – 14<sup>th</sup> 2024  
HOMBURG-SAAR, GERMANY

International 39<sup>th</sup> Course for  
Percutaneous Endoscopic Spinal  
Surgery and Complementary  
Minimal Invasive Techniques

Course Director:  
Joachim Oertel, MD,  
Professor of Neurosurgery  
Department of Neurosurgery  
Saarland University Medical Center



UKS  
Universitätsklinikum  
des Saarlandes



**UKS**  
Saarland University  
Medical Center



**Dear colleagues and friends,**

You have travelled from all over the world to be here in Homburg, and with this, I would like to bid you a warm welcome. As the current President of the International Society for Minimal Intervention in Spinal Surgery (ISMIS), I feel deeply honored to host the International 39th Course for Percutaneous Endoscopic Spinal Surgery and Complementary Minimally Invasive Techniques.

Spinal surgery has become particular importance in patient care in recent years and decades. Parallel to this and with regard to omnipresent medical advances, the demands and expectations of the patients have increased to a very high and sophisticated level. Thus, the development of “minimally invasive spinal surgery” was a necessary and logical consequence. The founding members of the ISMIS have recognized the growing importance of this issue at an early stage and can therefore be regarded as pioneers.

The perpetuation of the society, the close collaboration with like-minded groups and organizations as well as the traditional continuation of different annual conferences speak for themselves. The ISMIS and its members can be proud of what they've achieved so far. That being the case, it was a difficult but welcome task to organize a due and respectable meeting.

This year's gathering will provide comprehensive lectures given by international experts, intensive discussions between participants and faculty members, and a huge industry exhibition to learn and inform about the latest technologies and products in minimally invasive spinal surgery. In addition, we offer an exquisite gala dinner; an excellent opportunity to get to know the regional cuisine while meeting new and old friends.

My local team and myself wish you all an interesting and successful event.

We hope we can meet your expectations.

*Yours faithfully,*

Joachim Oertel

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

12:00 – 12:20

Registration

12:20 – 12:30

Opening

*Joachim Oertel, president of ISMISS*

## Cervical Spine

**Moderation:**

*Cumhur Kiliñçer, Sebastian Gitter*

12:30 – 12:45

MIS in cervical spine.  
Current status and future trends.  
*Joachim Oertel, Germany*

12:45 – 13:00

Minimal invasiveness in spine surgery: comparisons of surgical techniques on a scale  
*Cumhur Kiliñçer, Turkey*

13:00 – 13:15

Double level hybrid surgery of the cervical spine - combination of ventral fusion and artificial disc implantation on top vs double level fusion by PEEK cages stand alone.  
*Sebastian Gitter, Germany*

13:15 – 13:30

A new technique of lateral mass screw fixation: The ATALLAH screw  
*Mohammed Hasanain, Germany*

13:30 – 14:30

**LUNCH SYMPOSIUM - ULRICH MEDICAL**

## Lumbar Spine

**Moderation:**

*Salim Sentürk, Satnam Singh Chhabra*

14:30 – 14:45

Durability of Endoscopes Used During Routine Lumbar Endoscopy: An Analysis of Use Patterns, Common Failure Modes, Impact on Patient Care, and Contingency Plans.  
*Kai-Uwe Lewandrowski, USA*

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

14:45 – 15:00      The anatomical varieties of the Kambin triangle and its impact on percutaneous endoscopic lumbar spine surgery

*Salim Sentürk, Turkey*

15:00 – 15:15      Endoscopic Disc Surgery: How I do it

*Satnam Singh Chhabra, India*

15:15 – 15:30      Endoscopic Translaminar Approach For Resection of Migrated Lumbar Disc Herniation

*Benedikt Burkhardt, Switzerland*

15:30 – 15:45      **COFFEE BREAK**

## Thoracic Spine

**Moderation:**

*Kajetan von Eckardstein,  
Ioannis Polythodorakis*

15:45 – 16:00      MIS Surgical Correction for Parkinson's Disease Kyphoscoliosis

*Ioannis Polythodorakis, Greece*

16:00 – 16:15      Thoracic disc herniations: an underestimated pathology in search for a surgical cure

*Erwin Cornips, Belgium*

16:15 – 16:30      Vertebral body restoration and augmentation using the quattroplasty method - Personal experience and radiographical findings.

*Harald Kuhn, Germany*

16:30 – 16:45      Augmented reality (AR) rod bending for minimally invasive multilevel spine instrumentation procedures.

*Kajetan von Eckardstein, Germany*

16:45 – 17:00      **COFFEE BREAK**

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

## Round Table: ISG Pain and Related Conditions

Moderation:

Kai-Uwe Lewandrowski, Harald Kuhn

- 17:00 – 17:15      Endoscopic Sacrolumbar Facet Joint Denervation  
*Jochen Tüttenberg, Germany*
- 17:15 – 17:30      Sacroiliac Joint Disorders - Online  
*Ali Mesiwala, USA*
- 17:30 – 17:45      Minimal access treatment of sacral fractures and  
sacroiliac problems and pain  
*Abdelfattah Saoud, Egypt*
- 17:45 – 18:00      Sacroiliac Fusion by ISG Pain  
*Safwan Saffour, Germany*

***Transfer to NOA Restaurant and Rosengarten Zweibrücken***

19:30                      Guided Tour of Rosengarten Zweibrücken

20:00

*GALA DINNER*

(NOA Restaurant Zweibrücken)

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

13:30 – 14:30

LUNCH SYMPOSIUM - ULRICH MEDICAL

## WFNS Research Committee

Moderation:

Salman Sharif, Erwin Cornips

14:30 – 14:45

Creating a research committee for neurosurgeons and medical students around the world.

*Nathan Monfroy, Germany*

14:45 – 15:00

WFNS Research Committee: Current projects and research proposals

*Karen Radtke, Germany*

15:00 – 15:15

Spontaneous spinal epidural hematoma

*Francesca Vitulli, Germany*

15:15 – 15:30

Vertebral Body Replacemnet - a single center study

*Hannah Spielmann, Germany*

15:30 – 15:45

COFFEE BREAK

## MiSS-Mix - Mixed Minimal Invasive Spine Surgery

Moderation:

Abdelfattah Saoud, Thomas Lübbers

15:45 – 16:00

Biomechanics of the spine, rationale for dynamic stabilization and the specificities of the IntraSpine® interlaminar device

*Caspar Aylott, United Kingdom*

16:00 – 16:15

Extreme lateral lumbar disc herniation, A potpourri of 14 cases

*Thomas Lübbers, Germany*

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

16:15 – 16:30

Unilateral Biportal Endoscopy (UBE): Overview, Key Insights and Situation in the Endoscopic World  
*François Lechanoine, Italy*

16:30 – 16:45

Intraoperative stability testing after posterior atlas ring osteosynthesis (C1-RO) in treatment of unstable Jefferson burst fractures allows minimizing the extent of the surgical intervention.  
*Andy Ottenbacher, Germany*

16:45 – 17:00

**COFFEE BREAK**

**Moderation:**  
*Andy Ottenbacher, Ali Mesiwala*

17:00 – 17:15

Minimally invasive treatment of osteoporotic sacral insufficiency fractures  
*Martin Naisan, Germany*

17:15 – 17:30

Comparative analysis of extradural ligation of radicular artery versus intradural occlusion of radiculomedullary vein in the management of spinal dural arteriovenous fistulas: insights from 18 procedures.  
*Anna Prajsnar-Borak, Switzerland*

17:30 – 17:45

Minimally invasive options in neurosurgical treatment of spinal pain  
*Dörthe Keiner, Germany*

17:30 – 17:45

Facet Joint syndrom Ablation System  
*Tawfik Mahdi, Germany*

FRIDAY, 13<sup>TH</sup> SEPTEMBER

# SEMINAR ROOM 2

13:30 – 14:30

*LUNCH SYMPOSIUM - ULRICH MEDICAL*

14:30 – 15:30

ISMISS Board Meeting

15:30 – 15:45

*COFFEE BREAK*

*Moderation: Benedikt Burkhardt*

15:45 – 16:45

„My Way“ Treatment of lower back pain with conservative means

*Rupert Lebmeier, Germany*

*Transfer to NOA Restaurant and Rosengarten Zweibrücken*

19:30

Guided Tour of Rosengarten Zweibrücken

20:00

*GALA DINNER*

(NOA Restaurant Zweibrücken)



SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

08:00 – 08:10

Registration

## History of Minimally Invasive Spine Surgery

Moderation: *Joachim Oertel*

08:10 – 08:30

Percutaneous endoscopic spinal surgery:  
30 years of personal experience, evolution an actual  
state of the art

*Hans Jörg Leu, Switzerland*

## Consensus meeting (with voting)

Moderation:

*Joachim Oertel, Hans Jörg Leu*

08:30 – 09:45

Medium disc prolapse: Endoscope vs. microscope

*Joachim Oertel, Germany*

Interlaminar versus transforaminal: Only endoscopy

*Hans Jörg Leu, Switzerland*

Recurrent disc prolapse endoscopy versus  
microscope

*Kai Uwe Lewandrowski, USA*

Synovial cyst: Endoscope vs. microscope

*Magomed Lepschokov, Germany*

Lumbar stenosis: Endoscope vs. microscope

*Sebastian Senger, Germany*

Extraforaminal disc prolapse:  
micro vs. endo vs. endo tube based

*Benedikt Burkhardt, Switzerland*

09:45 – 10:00

**COFFEE BREAK**

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

## Lumbar Spine

Moderation:

*Luai Abu Alia, Stefan Linsler*

10:00 – 10:15

EASY-GO Tubular Endoscopy: A Jordanian Perspective on minimally invasive Spine Surgery

*Luai Abu Alia, Jordan*

10:15 – 10:30

Biportal endoscopic spine surgery - Pitfalls and early learning curve

*Çiğdem Mumcu, Turkey*

10:30 – 10:45

The choice of the type endoscopy for surgery lumbar spine disc herniations.

*Valentyn Piontkovskiy, Ukraine*

10:45 – 11:00

MIS in lumbar spine. Current status and future trends.

*Stefan Linsler, Germany*

11:00 – 11:15

Rare complication in MIS surgery

*Tareq Kannan, Jordan*

11:15 – 11:30

Complication avoidance in interlaminar and transforaminal endoscopy

*Salman Sharif, Pakistan*

11:30 – 11:45

**COFFEE BREAK**

Moderation:

*Tareq Kannan, Shrinivas Rohidas*

11:45 – 12:00

Endoscopic Transforaminal Discectomy For Recurrent Lumbar Disc Herniation

*Ahmed Baraka, Germany*

12:00 – 12:15

Endoscopic Management of Lumbar Synovial Cyst

*Sagar Gavali, India*

# SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

12:15 – 12:30	Various Techniques of Endoscopic Techniques for Youngsters <i>Shrinivas Rohidas, India</i>
12:30 – 12:45	Application of Destandau Endospine Technique for Challenging Situations: A simplified Approach. <i>Paresh Chandra Dey, India</i>
12:45 – 13:45	<b>LUNCH SYMPOSIUM - MEDTRONIC (THE DIFFERENCE BETWEEN NAVIGATION AND ROBOTICS AND THE DECISION-MAKING PROCESS FOR GETTING INTO ROBOTICS)</b>
	<b>Moderation:</b> <i>Darwono Bambang, Mehmet Zileli</i>
13:45 – 14:00	Lumbar Disc Endoscopic Surgery through Transforaminal Approach <i>Arman Hakobyan, Armenia</i>
14:00 – 14:15	Advance Transforaminal Lumbar Endoscopy - is there a limit? <i>Ovidiu Nicolae Palea, Romania</i>
14:15 – 14:30	How to avoid complication in MIS surgeries <i>Mehmet Zileli, Turkey</i>
14:30 – 14:45	Endoscopic technique for multilevel degenerative spine: do we need fusion? <i>Darwono Bambang, Indonesia</i>
14:45 – 15:00	<b>COFFEE BREAK</b>

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 1

## MiSS-Mix - Mixed Minimal Invasive Spine Surgery

Moderation:

Arman Hakobyan, Sait Naderi

15:00 – 15:15

Endoscopic decompression of lateral recess stenosis

*Sebastian Senger, Germany*

15:15 – 15:30

Double crash syndrome - Results after surgery of patients with NPH and Spinal stenosis

*Matthias Hülser, Germany*

15:30 – 15:45

Surgical outcomes after translaminar endoscopic disc surgery

*Magomed Lepshokov, Germany*

16:00 – 16:15

**AWARDS (Best Presentation)**

16:15 – 16:30

CLOSING AND HANDING OUT OF CERTIFICATES

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

## Minimally Invasive Surgical Techniques in Spine Oncology

Moderation:

Artem Guscha, Sandeep Vaishya

10:00 – 10:15

Minimally Invasive surgery for spinal schwannomas

*Sait Naderi, Turkey*

10:15 – 10:30

Thoracoscopic treatment of spinal column and neurogenic tumors

*Artem Guscha, Russia*

10:30 – 10:45

How does neuronavigation and robotic make surgery for spinal tumors less invasive?

*Ehab Shiban, Germany*

10:45 – 11:00

Full endoscopic approach to different spine pathologies (intradural tumor, spine metastasis, epidural tumor, cement leakage)

*Salim Sentürk, Turkey*

11:00 – 11:15

Port based minimally invasive surgery of spinal tumors

*Sandeep Vaishya, India*

11:15 – 11:30

Can preoperative neurophysiological assessment predict clinical outcome?

*Heike Russmann, Switzerland*

11:30 – 11:45

**COFFEE BREAK**

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

## Cervical Spine

Moderation:

Tobias Pitzen, Ehab Shiban

11:45 – 12:00

Percutaneous Posterior Cervical Fixation, Pearls and Tips of the Trade

*Anas Dyab, Luxemburg*

12:00 – 12:15

Placement of lateral mass screws: tips and pitfalls

*Ralf Ketter, Germany*

12:15 – 12:30

Surgical treatment option for fixation of the craniocervical junction. Is there a space for minimally invasivetechniques?

*Tobias Pitzen, Germany*

12:30 – 12:45

Results of rehabilitation referred to motoric and swallowing function after cervical spine surgery.

*Heiko Bittmann, Germany*

12:45 – 13:45

**LUNCH SYMPOSIUM - MEDTRONIC  
(THE DIFFERENCE BETWEEN NAVIGATION AND  
ROBOTICS AND THE DECISION-MAKING  
PROCESS FOR GETTING INTO ROBOTICS)**

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

## Ismiss Young Forum

Moderation:

Heiko Bittmann, Mehmet Zileli

- |               |  |
|---------------|--|
| 13:45 – 13:52 | Endoscopic lumbar spine surgery in obesity patients<br><i>Fadel Al-Awamleh, Germany</i>  |
| 13:52 – 13:59 | Foramen magnum meningiomas and the vertebral artery<br><i>Almud Bansberg, Germany</i>  |
| 13:59 – 14:06 | Outcome of recurrences after endoscopic treatment<br><i>Afrasiab Rabani, Germany</i>   |
| 14:06 – 14:13 | Tumors of the spine - benign<br><i>Osamah Alghamdi, Germany</i>  |
| 14:13 – 14:20 | Long term outcomes after endoscopic resection lumbar synovial cysts.<br><i>Joris Alisaukas, Germany</i>  |
| 14:20 – 14:27 | Position of the nerve root in relation to disc space in cervical posterior surgery<br><i>Vincent Christopher Mack, Germany</i>   |
| 14:27 – 14:35 | Is a Reverse Fracture Line in Anderson/D'Alonzo Type II Odontoid Process Fractures a Adverse Modifier for Anterior Screw Fixation?<br><i>Jason Richard Degianis, Germany</i> |
| 14:35 – 14:42 | Preparation before the first endoscopic procedure - how I will do it!<br><i>Bokhatwa Muataz, Germany</i>   |
| 14:42 – 14:49 | <b>COFFEE BREAK</b>  |

SATURDAY, 14<sup>TH</sup> SEPTEMBER

# LECTURE HALL 2

Moderation:

Magomed Lepshokov, Sebastian Senger

14:49 – 15:06

Kyphoplasty in vertebral column metastasis  
*Lionel Ngassam, Germany*

15:06 – 15:13

Endoscopic cervical and lumbar spine surgery  
*Fadi Aldaher, Germany*

15:13 – 15:20

Tumor of the spine - malignant  
*Gabriel Colombani, Germany*

15:20 – 15:27

Spinal metastatic oligodendroglioma: a review of the literature and a case report  
*Henia Mohammed, Germany*

15:27 – 15:34

Case Report- Surgical Management Of Atlanto-Axial Dislocation With Klippel-Feil Syndrome  
*Musab Adam, Germany*

16:00 – 16:15

**AWARDS (Best Presentation)**

16:15 – 16:30

CLOSING AND HANDING OUT OF CERTIFICATES



The course has been accredited by the Saarland Medical Association for **17 CME credits**.



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S P I N E A R T





