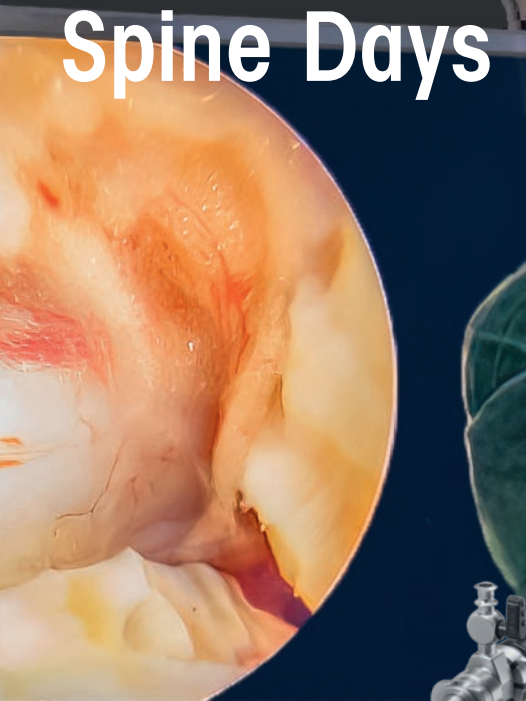


# Global Endoscopic Spine Days

## Intensive Training Course & International Symposium

for full-endoscopic surgery  
of the lumbar, cervical  
and thoracic spine



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**Intensive Training Course**  
**May 11<sup>th</sup> + 12<sup>th</sup>, 2023**

**Essen / Herne, Germany**

# Invitation

Dear Colleagues,

The therapy of degenerative diseases of the spine carries with it medical and socio-economic problems. After conservative measures are exhausted and where there are exacerbated pain conditions or neurological deficits, a surgical procedure may become necessary. Despite good therapy results, consecutive damage may ensue due to traumatization. It is therefore of particular importance to optimize these procedures on a continuous basis. The goal we should strive for is the minimization of surgically induced traumatization and negative long-term consequences, taking into account the existing quality standard.

Minimally invasive techniques can reduce tissue damage and its consequences. Endoscopic surgeries demonstrate advantages which have raised these procedures to the standard in various medical areas. On the lumbar spine, as a result of the development of the interlaminar and lateral transforaminal access, the spinal canal with its adjoining structures can be reached full endoscopically. Technical problems have been solved by special rod-lens endoscopes with a large intra-endoscopic working channel and appropriate instruments. Working under a continuous stream of liquid offers options which have proved their worth in arthroscopic surgery through long experience. In the area of the cervical spine anterior or posterior access is possible.

Today, the combination of the new surgical access routes with the technical developments makes possible a full-endoscopic methodology coupled with excellent visibility which, taking into account the indication criteria, carries with it the advantages of a truly minimally invasive procedure and is sufficient, low in complications and economic. Principal indications are disc herniations, spinal canal stenosis and intradiscal procedures such as the introduction of implants.



Full-endoscopic surgeries are an addition and an alternative within the overall concept of spinal surgery. Nevertheless, because of clear indications and boundaries, open and maximally invasive procedures are necessary. These must be mastered by the spinal surgeon in order, while taking into account the respective pathology, to be able to offer the appropriate procedure as well as cope with problems and complications of full-endoscopic surgeries.

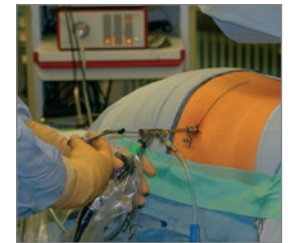
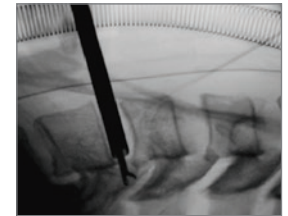
In order to be able to visualize the exact position in the space at any time during the surgery, detailed knowledge of the anatomy is a prerequisite. In addition, for the three-dimensional understanding of the anatomical and pathological structures, the imaginary linking of different imaging procedures and their sectional planes is necessary. This applies in particular to endoscopic techniques in which the direct visual reference between surgical access and working on the spot is lacking.



During the training course we intend, in a reciprocal exchange with yourselves, to try to demonstrate the current and future options as well as problems, risks and complications of full-endoscopic surgeries in the area of the spine. In an environment of practical demonstration where you perform access routines on cadavers yourself, typical practical experience for your

expected learning curve or future clinical application can be gathered. Under intensive tuition by instructors, each participant will perform the various access routines on a practical level and run through special working procedures. For this reason the number of participants is limited. Nevertheless, the training course cannot replace the acquisition of the necessary extensive knowledge.

Having regard to the considerable demand for national and international training courses we hope we have pinpointed your field of interest in the enclosed program and would be happy to welcome you as a participant at our symposium and at the dinner.



Priv.-Doz. Dr. med.  
Sebastian Ruetten

Dr. med. Marlin Komp

**Center for Spine Surgery and Pain Therapy**  
Head: Priv.-Doz. Dr. med. Sebastian Ruetten



**ST. ELISABETH GRUPPE**   
KATHOLISCHE KLINIKEN RHEIN-RUHR

**Center for Orthopedics and Traumatology  
of the St. Elisabeth Group – Catholic Hospitals Rhein-Ruhr**  
**St. Anna Hospital Herne | Marien Hospital Herne University Hospital | Marien Hospital Witten**  
Director: Priv.-Doz. Dr. med. Sebastian Ruetten

## Thursday, May 11<sup>th</sup>

- 08:30 h **Registration and Welcome Address**
- 09:00 h Lecture:  
**Full-endoscopic spine surgery with the foraminal approach – Indication and surgical technique**
- Hands-on cadaver session 1:**
- 09:30 h **Demonstration – foraminal approach**
- 10:00 h **Hands-on training**
- 12:30 h **Lunch**
- 13:30 h Lecture:  
**Full-endoscopic spine surgery with the interlaminar approach – Indication and surgical technique**
- Hands-on cadaver session 2:**
- 14:00 h **Demonstration – interlaminar approach**
- 14:30 h **Hands-on training**
- 16:00 h **Final discussion**
- 16:30 h **Closing / Transfer to hotel**

## Friday, May 12<sup>th</sup>

- 08:30 h **Registration**
- 09:00 h **Welcome and Introduction**  
*D. Goethel, S. Ruetten, M. Komp*
- Lumbar spine:**
- 09:10 h **The full-endoscopic foraminal approach in disc herniations – Technique and indications of trans-, intra-, and extraforaminal lateral approach**  
*S. Ruetten, M. Komp*
- 09:40 h **Discussion**
- 09:50 h Instructional Video  
**Full-endoscopic surgery with lateral transforaminal access in a disc herniation**  
*S. Ruetten, M. Komp*
- 10:20 h **Break**
- 10:35 h **The interlaminar full-endoscopic approach in disc herniations – State of the art, possibilities and limitations**  
*M. Komp, S. Ruetten*
- 11:00 h **Discussion**
- 11:10 h Instructional Video  
**Full-endoscopic surgery with interlaminar access in a disc herniation**  
*M. Komp, S. Ruetten*
- 11:40 h **Full-endoscopic decompression in lateral and central stenosis – Application of the interlaminar and foraminal approach**  
*S. Ruetten, M. Komp*
- 12:10 h **Discussion**
- 12:20 h **Lunch**
- 13:15 h **Access information for full-endoscopic surgery of the lumbar spine – Criteria for the foraminal and interlaminar technique**  
*M. Komp, S. Ruetten*
- 13:30 h **Complications (dural and nerve injury) in full-endoscopic decompression – How to reduce and how to manage**  
*S. Ruetten, M. Komp*
- 13:50 h **Discussion**
- 14:00 h **Case presentation**  
*selected participants*
- 14:45 h **Break**
- Cervical spine:**
- 15:00 h **The full-endoscopic surgery of the cervical spine with anterior and posterior access – Possibilities and limitations**  
*M. Komp, S. Ruetten*
- 15:25 h **Discussion**
- 15:35 h Instructional Video  
**Full-endoscopic surgery with posterior approach in a disc herniation**  
*M. Komp, S. Ruetten*
- Thoracic spine:**
- 16:05 h **Operation of thoracic disc herniations and stenosis in the full-endoscopic technique – Interlaminar, foraminal, and transthoracic access**  
*S. Ruetten, M. Komp*
- 16:25 h **Discussion**
- 17:00 h **Closing**  
*D. Goethel, S. Ruetten, M. Komp*

## Speakers / Instructors

### Hamzeh Alaiyan

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Milos Cukovic

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Kaled Hammoudeh

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Dr. med. Martin Komp

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Dr. med. Arnd Lienert

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Mina Mikhael

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### Priv.-Doz. Dr. med. Sebastian Ruetten

Head of the Center for Spine Surgery and Pain Therapy, Director of the Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten, Germany

### Dr. Ali Güven Yörükoglu

Clinical Manager  
RIWOspine GmbH

### International Instructors

## General notes

### Organizers:

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten  
Hospitalstrasse 19, 44649 Herne, Germany

ProSympos GmbH  
ZukunftsZentrumZollverein  
Katernberger Straße 107  
45327 Essen, Germany

### Language:

All lectures, presentations and discussions will be conducted in **English**.

### Conference Location:

**Thursday, May 11<sup>th</sup>**  
ProSympos GmbH  
ZukunftsZentrumZollverein  
Gebäude G9  
Katernberger Straße 107  
45327 Essen, Germany

### Friday, May 12<sup>th</sup>

Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten  
Hospitalstrasse 19,  
Hörsaal 1  
44649 Herne, Germany

There is a shuttle transfer from your hotel to the training location and back on both days.

### Night Event:

Dinner on Friday, 12<sup>th</sup> May 2023, 19:00 h.

### Scientific Direction:

Dr. med. Martin Komp,  
Priv.-Doz. Dr. med. Sebastian Ruetten  
Center for Spine Surgery and Pain Therapy, Center for Orthopedics and Traumatology of the St. Elisabeth Group - Catholic Hospitals Rhein-Ruhr, St. Anna Hospital Herne/Marien Hospital Herne University Hospital/Marien Hospital Witten

### CME Certification:

Certified for CME credit points.

### Organization Office:

RIWOspine GmbH  
Ms. Julia Armingeon  
Pforzheimer Str. 32  
75438 Knittlingen  
Germany  
Tel.: +49 7043 35-4137  
E-Mail: education@riwospine.com

### Hotels:

For hotel information and booking please contact the organization office.

# Registration

**Organization Office:**  
**RIWOspine GmbH**  
**Ms. Julia Armingeon**  
**Tel.: +49 7043 35-4137**  
**education@riwospine.com**  
**www.riwospine.com/events**

**Yes, I will participate in the  
International Training Course for Full-endoscopic  
Surgery of the Lumbar, Thoracic and Cervical Spine**

on May 11<sup>th</sup> and 12<sup>th</sup>, 2023  
**Symposium and Intensive Training .. EUR 1.950,-\***

- Yes, I will participate in the **dinner\*\* on Friday**
- I am vegetarian
- I am allergic to: .....

\* plus VAT

\*\* Transfer and dinner are free of additional fees.

**Participant** *(please fill out completely)*

Name: .....

First name: .....

Title: .....

Hospital: .....

Street: .....

Postcode / Town: .....

Country: .....

Tel.: .....

Fax: .....

E-Mail: .....

- Yes, I will use the **shuttle transfer\*\***  
Hotel > Training location > Hotel

Because of the limited number of participants only those can be registered, who receive a confirmation from the organization office. You will receive detailed payment information together with the confirmation from our organization office.

.....  
Date

.....  
Stamp, Signature