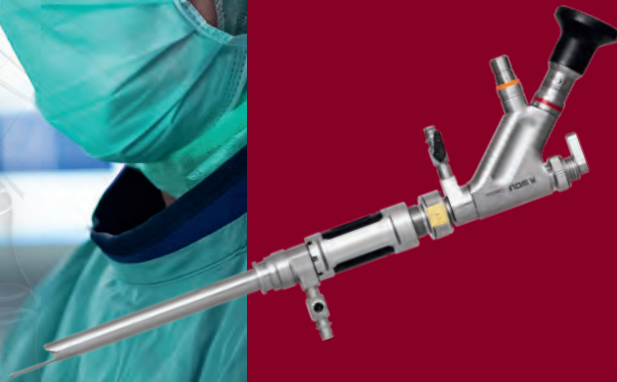


Global Endoscopic Spine Days

Intensive Training Course & International Symposium

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

St. Anna Hospital Herne



REGISTER NOW



Intensive Training Course
May 6th + 8th, 2026

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 traumatising. It is therefore of particular importance to optimize these procedures on a continuous basis. The goal we should strive for is the minimisation of surgically induced traumatising and negative longterm 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.

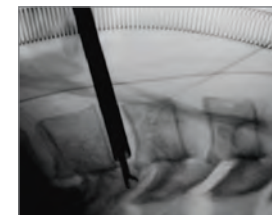
In order to be able to visualize the exact position in the space at any time during the surgery, detailed knowledge of the anatomy is a prerequisite. In addition, for the three-dimensional understanding of the anatomical and pathological structures, the imaginary linking of different imaging procedures 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.



Prof. Dr. med.
Sebastian Ruetten

Dr. med. Martin Komp

Center for Spine Surgery and Pain Therapy
Head: Prof. Dr. med. Sebastian Ruetten

St. Anna Hospital Herne



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: Prof. Dr. med. Sebastian Ruetten

Wednesday, May 6th

- 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 8th

- 08:30 h **Registration**
- 09:00 h **Welcome and introduction**
- Lumbar spine:**
- 09:05 h **The full-endoscopic foraminal approach in disc herniations – Technique and indications of intra-, extra-, and transforaminal lateral access**
S. Ruetten
- 09:25 h Instructional Video
Full-endoscopic surgery with lateral foraminal access in a disc herniation
- 09:40 h **Discussion**
- 09:45 h **Case presentation foraminal approach**
- 10:00 h **The interlaminar full-endoscopic approach in disc herniations – State of the art, possibilities and limitations**
M. Komp
- 10:20 h Instructional Video
Full-endoscopic surgery with interlaminar access in a disc herniation
- 10:35 h **Discussion**
- 10:40 h **Case presentation interlaminar approach**
- 10:55 h **Break and practical exercises on simulators**
- 11:20 h **Full-endoscopic decompression in lateral and central stenosis – Application of the interlaminar and foraminal approach**
S. Ruetten
- 11:35 h **Discussion**
- 11:45 h **Case presentation lumbar stenosis**
- 11:55 h **Demonstration over-the-top decompression**
- 12:20 h **Lunch and practical exercises on simulators**
- 13:10 h **Full-endoscopic lumbar fusion**
G. Yörükoglu
- 13:25 h **Discussion**
- Cervical spine:**
- 13:45 h **The full-endoscopic surgery of the cervical spine with anterior and posterior access – Possibilities and limitations**
M. Mikhael
- 14:00 h Instructional Video
Full-endoscopic surgery with posterior approach in a cervical disc herniation
- 14:15 h **Case presentation cervical approach**
- 14:25 h **Break and practical exercises on simulators**
- Thoracic spine:**
- 15:10 h **Operation of thoracic disc herniations and stenosis in the full-endoscopic technique – Interlaminar, foraminal, and transthoracic access**
M. Komp
- 15:25 h **Discussion**
- 15:35 h **Complications (dural and nerve injury) in full-endoscopic decompression – How to reduce and how to manage**
M. Mikhael
- 15:50 h **Discussion**
- 16:00 h **End**

Speakers / Instructors

Prof. 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. 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, Germany

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, Germany

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, Germany

Khaled 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, Germany

Mehdi Merzougui

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, Germany

Dr. Gökem Alkir

Clinical Manager
RIWOspine GmbH, Knittlingen, Germany

Dr. Peter van Daele

O.L.V. van Lourdes, Ziekenhuis Waregem,
Belgium

Dr. Arkadiusz Granek

Guardian Clinic, Konin City, Poland

Dr. Marco Moscatelli

Neurosurgeon
Neurolife Clinic, Natal, Brazil

Dr. Withawin Kesornsak

Neurosurgeon
Bumrungrad Spine Institute, Bangkok, Thailand

Dr. Verapan Kuansongtham

Neurosurgeon
Director of Bumrungrad Spine Institute
Bumrungrad International Hospital, Bangkok, Thailand

Dr. Alexandre Simonin

l'Hôpital du Valais
Sion, Switzerland

Dr. Rafael Lindi Sugino

Hospital Israelita Albert Einstein
São Paulo, Brazil

Dr. Ali Güven Yörükoğlu

Consultant Neurosurgeon
Knittlingen, Germany

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
Katemberger Straße 107
45327 Essen, Germany

Language:

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

Conference Location:

Wednesday, May 6th
ProSympos GmbH
ZukunftsZentrumZollverein
Gebäude G9
Katemberger Straße 107
45327 Essen, Germany

Friday, May 8th

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, 8th May 2026, 19:00 h.

Scientific Direction:

Dr. med. Martin Komp,
Prof. 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. Emely Böhm
Pforzheimer Str. 32
75438 Knittlingen
Germany
Tel.: +49 7043 35-4943
E-Mail: education@riwospine.com

Hotels:

For hotel information and booking please contact the organization office.

Registration

Organization Office:
RIWOspine GmbH
Ms. Emely Böhm
Tel.: +49 7043 35-4943
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 6th and 8th, 2026
Symposium and Intensive Training.....EUR 2.350,-*
- ☐ 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