

Yes, I will participate in the

## INTENSIVE Training Course for Full-endoscopic Operations of the Lumbar Spine

November 21<sup>st</sup> – 23<sup>rd</sup> 2016 ..... EUR 1.200,-

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Place Date, Signature

**Please register 4 weeks before the training course is scheduled.** 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.

### Organization Office:

RIWOSpine GmbH  
Ms. Julia Armingeon  
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**Center for Spine Surgery and Pain Therapy**  
Head: Priv.-Doz. Dr. med. habil. 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: Prof. Dr. med. Georgios Godolias

**Dr. med. Martin Komp  
Dr. med. Semih Oezdemir**

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

**Priv.-Doz. Dr. med. habil. Sebastian Ruetten**

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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. med. Angelika Hübner**

Clinic for Spine and Pain  
St. Vinzenz Hospital  
Düsseldorf, Germany



**Dirk Goethel**  
RIWOSpine GmbH

www.richard-wolf.com



## International Training Courses:

## INTENSIVE Training Course for Full-endoscopic Operations of the Lumbar Spine



**Organizers:**

Richard Wolf Academy  
in co-operation with  
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  
and  
KAFFZ, Institute of Anatomy,  
Ruhr University Bochum

**November 21<sup>st</sup> – 23<sup>rd</sup> 2016**

**Germany – Herne / Bochum**

## 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 optimise 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 operations 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 rodless 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.

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 operations 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.



Dr. med. Martin Komp



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

## Program

### 1<sup>st</sup> / 3<sup>rd</sup> day Monday / Wednesday at KAFFZ, Institute of Anatomy, Ruhr University Bochum

11:00 h **Welcome and introduction**  
(3<sup>rd</sup> day: 09:00 h) *D. Goethel*

#### INTENSIVE Cadaver Workshop – Part I:

11:15 h Practical exercises for participants  
**Full-endoscopic Operations of the Lumbar Spine:  
Extraforaminal / transforaminal access**  
*Moderation / Instructors: A. Hübner, D. Goethel*

14:00 h **Lunch**

#### INTENSIVE Cadaver Workshop – Part II:

14:20 h Practical exercises for participants  
**Full-endoscopic Operations of the Lumbar Spine:  
Interlaminar access**

16:45 h **Final discussion**  
*A. Hübner, D. Goethel*

### 2<sup>nd</sup> day Tuesday at St. Anna Hospital, Herne

08:00 h **Registration**

08:15 h **Welcome and introduction**  
*M. Komp, S. Oezdemir, S. Ruetten*

08:45 h **Clinical consultation**  
**Full-endoscopic Operation of the Lumbar Spine**  
*M. Komp, S. Oezdemir, S. Ruetten*

14:00 h **VERTEBRIS**  
Hands-on training on the anatomical model  
*D. Goethel*

16:00 h **Final discussion**

## General notes

### Course Location:

1<sup>st</sup> / 3<sup>rd</sup> day (Monday / Wednesday):

KAFFZ, Institute of Anatomy,  
Ruhr University Bochum  
Universitätsstraße 150  
Building MA  
44801 Bochum, Germany



Find us  
on Google Maps

2<sup>nd</sup> day (Tuesday):

Center for Spine Surgery and Pain Therapy,  
Center for Orthopaedics and Traumatology  
of the St. Elisabeth Group -  
Catholic Hospitals Rhein-Ruhr,  
St. Anna Hospital Herne  
Hospitalstraße 19,  
44649 Herne, Germany



Find us  
on Google Maps

### Number of participants:

9 participants

### Course Language:

English

### Course Fee:

EUR 1.200,-

### CME Certification:

Applied for CME credit points.