RIWOSPINE

Education

International Education Program 2019
Dear valued customers,

Do you want to get a comprehensive overview about full-endoscopic surgery possibilities on the spine? Or have you already decided to offer full-endoscopic spine techniques in the treatment of your patients? Or are you already practicing these techniques and you want to expand your spectrum of indications?

Please let us know your requirements because your needs are important to us!

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Dear Colleagues,

The therapy of degenerative diseases of the spine carries with it medical and socioeconomic 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 traumatisation. 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 traumatisation 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.

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.

S. Ruetten
M. Komp

Meet the Experts

Sebastian Ruetten, MD
Associate Professor

Martin Komp, MD

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

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

www.riwospine.com
RIWOspine Education Program
Training Concept on Full-endoscopic Spine Surgery

Our education program consists of three main columns.

1. Clinic & Science
2. Surgical Skills Training
3. Application Support

With these modules we will create a successful individual training plan, just for you!
Your needs are important to us!

We will support you with our RIWOspine Education Program in order to implement these innovative techniques in your hospital and to manage the learning curve successfully.

RIWOspine Education Program is a comprehensive training concept consisting of different modules for you as a user. Over recent years, the program has been gradually optimized by incorporating experiences from practical application. It allows surgeons to use the system safely and successfully. The development of standardized procedures now enables us to guarantee you a uniform level of quality across the world.
International Symposium
Full-endoscopic Surgery of the Lumbar, Thoracic and Cervical Spine

One Day Symposium with Live Surgeries

- **Lumbar spine:**
  Trans-/extraforaminal and interlaminar full-endoscopic approach for spine decompression.

  **Indications:**
  - Disc herniation
  - Spinal canal stenosis
  - Epidural cysts

- **Thoracic spine:**
  Surgery of thoracic disc herniations and stenosis in full-endoscopic techniques.

- **Cervical spine:**
  Full-endoscopic surgery of the cervical spine with anterior and posterior approach.

You are interested in full-endoscopic spine surgery?
Join one of our symposia to learn more about this most minimal invasive technique, the full concept of this surgery, scientific background and the individual RIWOspine education program. Live surgeries give you an impression of all possibilities in full-endoscopic spine techniques.

01st February
Bangkok, Thailand

22nd March
Herne, Germany

10th May
Vernon Hills, USA

13th September
Herne, Germany

11th October
Vernon Hills, USA
Basic Training Course
Full-endoscopic Surgery of the Lumbar Spine

One Day Lectures and Live Surgeries
Lectures are held by international surgeons with long-term experience in full-endoscopic spine surgery. Live surgeries either transmitted from the OR to the meeting room or watched in the OR directly.

One Day Cadaver Training
- Practical exercises for participants on cadaver and training models
- Live demonstrations of full-endoscopic lumbar surgeries
- Extraforaminal / Transforaminal / Interlaminar Approach

International experienced instructors teach participants in comprehensive hands-on trainings.

Course Target
The aim of this course is to get to know the scientific background and the possibilities in full-endoscopic spine surgery, to learn principles and techniques and to make initial practical experiences with the full-endoscopic technique on the lumbar spine in hands-on training. After the course, you will know the standardized endoscopic approaches to the lumbar spine and indication criteria.

01st + 02nd February
Bangkok, Thailand
09th + 10th May
Natal, Brazil
15th + 16th March
Sao Paulo, Brazil
13th + 14th September
Herne/Düsseldorf, Germany
22nd + 23rd March
Herne/Düsseldorf, Germany
16th + 17th November
Bangalore, India
22nd + 23rd November
Natal, Brazil

06th + 07th April
Pune, India
Intensive Training Course
Full-endoscopic Surgery of the Lumbar Spine

One Day Lectures and Live Surgeries
Lectures are held by international surgeons with long-term experience in full-endoscopic spine surgery. Live surgeries could be either clinical consultation or transmitted live from the OR to the meeting room.

One Day Cadaver Training
- Practical exercises for participants on cadaver and training models
- Live demonstrations of full-endoscopic lumbar surgeries
- Extrarforaminal / Transforaminal / Interlaminar Approach

International experienced instructors teach participants in comprehensive hands-on trainings.

Course Target
The aim of this course is to enable surgeons to start with full-endoscopic spine surgery in their hospitals. After the course you will be able to perform simple clinical cases, supported by our clinical specialists or instructors.

31st January + 01st February
Bangkok, Thailand

19th + 20th February
Munich, Germany

21st + 22nd March
Düsseldorf/Herne, Germany

25th + 26th March
Düsseldorf/Herne, Germany

09th + 10th May
Vernon Hills, USA

10th + 11th May
Vernon Hills, USA

06th + 07th June
Berlin, Germany

16th + 17th July
Düsseldorf/Herne, Germany

17th + 18th July
Herne/Düsseldorf, Germany

12th + 13th September
Düsseldorf/Herne, Germany

16th + 17th September
Düsseldorf/Herne, Germany

10th + 11th October
Vernon Hills, USA

11th + 12th October
Vernon Hills, USA

22nd + 23rd October
Munich, Germany
Master Class Course
Full-endoscopic Surgery of the Lumbar and Cervical Spine

One Day Lectures and Live Surgeries
Lectures are held by international surgeons with long-term experience in full-endoscopic spine surgery. Live surgeries could be either clinical consultation or transmitted live from the OR to the meeting room.

Course Target
In this course, experienced spine surgeons have the opportunity to expand their already existing knowledge and skills in full-endoscopic techniques and to learn the use of special instruments. Participants in this course should already have performed full-endoscopic surgery on several cases. Optionally, this course also allows you to train techniques on the cervical spine.

One Day Cadaver Training
- Practical exercises for participants on cadaver and training models
- Live demonstrations of full-endoscopic lumbar surgeries
- Extraforaminal / Transforaminal / Interlaminar Approach

International experienced instructors teach participants in comprehensive hands-on trainings.

22nd + 23rd March
Herne/Düsseldorf, Germany

26th + 27th March
Herne/Düsseldorf, Germany

25th + 26th July
Vernon Hills, USA

13th + 14th September
Herne/Düsseldorf, Germany

17th + 18th September
Herne/Düsseldorf, Germany
Pain Therapy Training Course
Interventional Percutaneous and Endoscopic Pain Therapy

One Day Intensive Course
- Scientific lecture
- Practical skills training on cadaver
- Percutaneous facet and sacroiliac joint denervation
- Percutaneous nucleoplasty
- Endoscopic facet and sacroiliac joint denervation

Course Target
Facet and sacroiliac joint denervation and nucleoplasty are important minimal-invasive techniques for treatment of low back pain. In this course you will learn all about the principles and techniques performed with 4MHz radiofrequency technologies PERCULINE and VERTEBRIS denervation system. After the course you will be able to perform those techniques in clinical cases.

20th March
Düsseldorf, Germany

05th June
Berlin, Germany

11th September
Düsseldorf, Germany
**RIWOspine Alliance**

Our professional network for spine surgeons worldwide

**A strong partnership**

RIWOspine Alliance connects innovative spine surgeons worldwide, facilitating cooperation and exchange of expertise in full-endoscopic surgery.

A network of partners enables minimally invasive surgical techniques and methods to be established and developed. The combined experience of many people collaborating together helps each surgeon to solve individual medical cases and challenges. RIWOspine Alliance is the professional platform combining knowledge and experience. It is an enabler for collaborative advances in spine surgery.

**RIWOspine Alliance – Education Program**

Within this alliance network we offer excellent possibilities to all members to improve their knowledge of full-endoscopic techniques in spine surgery.

All registered members of the RIWOspine Alliance get free access to all events – Special Case, Live Webcast, Live ORcast. Join the RIWOspine Alliance Forum for registration and detailed information.

**The Communication platform**

- **Do you have any questions about indications, special cases, or would you like to access another expert opinion?**

**Live online case presentation: The special Case**

Experts report on their experiences in full-endoscopic operations and highlight options and limitations.

**Live online Webcast**

Special presentations about topics in full-endoscopic surgery presented by experienced surgeons.

**Live online ORcast**

You are connected live with the operating room of one of our reference centers.

www.forum.riwospine.com
Clinical Consultations / Fellowships / Congresses

Clinical Consultations
St. Anna Hospital, Herne / Germany
Appointment on request
Schön Clinic, Munich / Germany
Appointment on request
Vivantes Humboldt Clinic, Berlin / Germany
Appointment on request
Bumrungrad Intern. Hosp., Bangkok / Thailand
Appointment on request

Fellowships
Appointment on request

Congress
Arab-Health, 28th – 31st January
Dubai, United Arab Emirates
ISASS, 03rd – 05th April
Anaheim, USA
AANS, 13th – 17th April
San Diego, USA
Global Spine Congress, 15th – 18th May
Toronto, Canada
ASEAN MISST, 26th – 29th June
Manila, Philippines
Nspine, 01st – 05th July
London, UK
NASS, 25th – 28th September
Chicago, USA
Eurospine, 16th – 18th October
Helsinki, Finland
CNS Annual Meeting, 19th – 23rd October
San Francisco, USA
DWG, 28th – 30th November
Munich, Germany
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<td>Pain Therapy</td>
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