



Richard Wolf Academy
Prima Vista

RIWOSPINE
A Richard Wolf Company



RIWOSPINE
Education

International Education Program 2020



pioneering
 endoscopic
 spine surgery

Dear Spine Surgeon,

With our training program, we enable surgeons to gain a comprehensive overview of the possibilities of the full-endoscopic technique and to learn this step by step. Our course moduls and services guarantee a fast and safe learning success which can be applied depending upon previous knowledge directly in the clinical practice. An essential feature of our training concept is the individual hands-on training in

small groups. Interested surgeons can very quickly gain and deepen their first practical experience and are thus very well prepared for implementation in the OR.

Your needs and wishes are important to us, contact us directly for an individual consultation.

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Meet the Experts



Sebastian Ruetten, MD
Associate Professor



Martin Komp, MD

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 occur 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.

During the training course we intend, in a reciprocal exchange with you, 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

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

Meet the Experts



V. Kuansongtham, MD
Bumrungrad Intern. Hosp.
Bangkok / Thailand



**C. Woiciechowsky, MD,
Professor**
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Berlin / Germany



Marko Marković, MD, PhD
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Belgrad / Serbia



J. M. Donoso Azagra, MD
End. Spine Surgery Center
Santiago de Chile / Chile



**Kim Jin-Sung, MD, PhD,
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Seoul / Republic of Korea



André Luiz Calderaro, MD
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Rio de Janeiro / Brazil



Arun Bhanot, MD
Paras Hospital, Gurgaon
Delhi NCR / India



Lorenzo Paoli, MD
Azienda Ospedaliero
Universitaria Careggi
Hospital of Florence / Italy



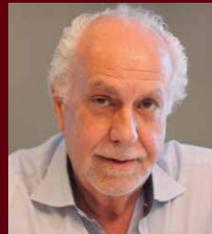
Alessandro Vagaggini, MD
Azienda Ospedaliero
Universitaria Careggi
Hospital of Florence / Italy



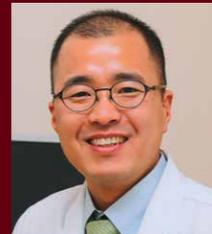
**Pramod Lokhande, MD,
Professor**
SKN Medical College and
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Pune / India



**Akira Dezawa, MD,
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Mizonokuchi Hospital,
Kawasaki / Japan



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Hospital Centro Médico
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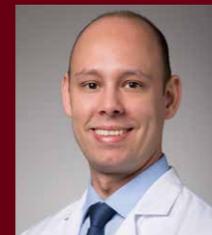
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Waregem / Belgium



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Professor**
Schön Klinik Harlaching
Munich / Germany



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neurolife clinic
Lagoa Nova, Natal/RN / Brasil



**Lee Jun Ho, MD, PhD,
Associate Prof.**
Kyung Hee University Hosp.
Seoul / Republic of Korea



G. Vastardis, MD
Endospine Hellas
Athens / Greece



B. Balain, MD
RJAH Orthopaedic Hospital
Oswestry / UK

RIWOspine Challenges

Target guided Education & Training



Requirements

1 Knowledge

- Study of literature & publications
- Joining full-endoscopic sessions and symposia

2 Experience

- Case observations & Fellowships with experienced surgeons

3 Skills

- Intensive training on cadavers:
 - needle placement
 - endoscopic orientation
 - instrument handling

Target



1st endoscopic Case

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www.riwospine.com/events

RIWOspine Education Program

Training Concept on Full-endoscopic Spine Surgery



Clinic & Science

- Symposium
- Clinical Consultation
- Clinical Fellowship



Surgical Skills Training

- Basic
- Intensive
- Master Class



Application Support

- By Application Specialists
- International instructors

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.

Contact us now for your individual training!

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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.

31st January

Bangkok, Thailand

20th March

Gothenburg, Sweden

27th March

Herne/Düsseldorf, Germany

19th June

Vernon Hills, IL, USA

18th September

Herne/Düsseldorf, Germany

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.



**31st January +
01st February**

Bangkok, Thailand

13th February

Madrid, Spain

13th + 14th March

Kuala Lumpur, Malaysia

27th + 28th March

Herne/Düsseldorf, Germany

18th + 19th September

Herne/Düsseldorf, Germany

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
- Extraforaminal / 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.



30th + 31st January

Bangkok, Thailand

14th February

Madrid, Spain

18th + 19th February

Munich, Germany

26th + 27th March

Herne/Düsseldorf, Germany

30th + 31st March

Herne/Düsseldorf, Germany

11th + 12th May

Gent, Belgium

12th + 13th May

Gent, Belgium

20th June

Vernon Hills, IL, USA

17th + 18th September

Herne/Düsseldorf, Germany

21st + 22nd September

Herne/Düsseldorf, Germany

13th + 14th 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.

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

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.



31st March + 01st April

Herne/Düsseldorf, Germany

17th + 18th July

Seoul, Korea

22nd + 23rd September

Herne/Düsseldorf, Germany

Pain Therapy Training Course

Interventional Percutaneous and Endoscopic Pain Therapy

PERCULINE



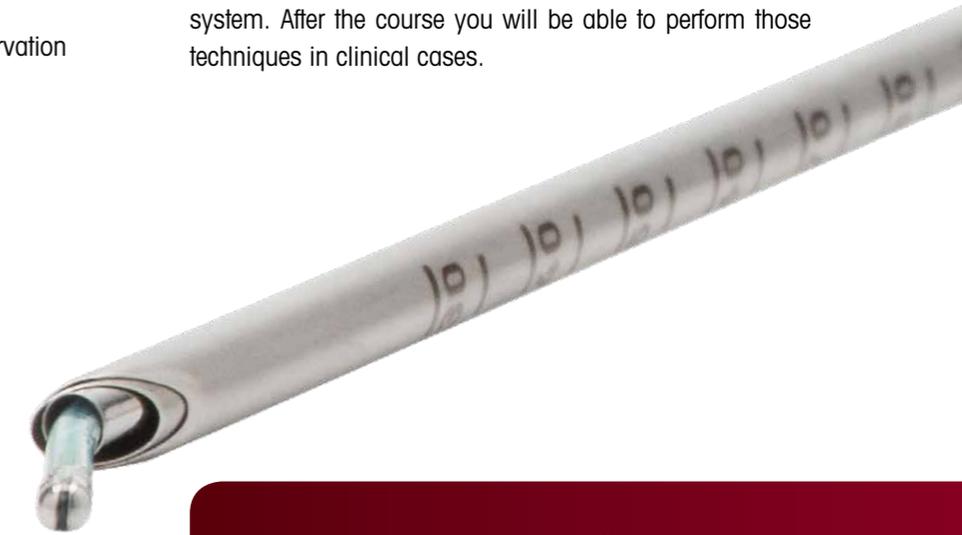
VERTEBRIS denervation

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.



03rd March
Knittlingen, Germany

06th July
Knittlingen, 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.

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

■ 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

Congresses

NASS - ETSS, 19th – 22nd February

Park City, USA

AANS/CNS Spine Section, 05th – 08th March

Las Vegas, USA

ISMIS, 02nd – 03rd April

Istanbul, Turkey

ASIPP, 02nd – 04th April

Dallas, USA

AANS, 26th – 28th April

Boston, USA

Spine Week Melbourne, 27th April – 01st May

Melbourne, Australia

Global Spine Congress, 20th – 23rd May

Rio de Janeiro, Brazil

ASEAN MISST, 24th – 26th June

Yogyakarta, Indonesia

CNS, 14th – 16th September

Miami, USA

WCMSST, 22nd – 25th September

Kobe, Japan

Eurospine Vienna, 07th – 09th October

Vienna, Austria

NASS, 07th – 09th October

San Diego, USA

RIWOspine USA

National training program

RIWOspine Japan

National training program



■ Basic Training Course

Vernon Hills, IL:

18th January

18th April

16th May

13th June

08th August

24th October

05th December

Las Vegas:

22nd February

■ Intensive Training Course

Vernon Hills, IL:

25th January

28th March

30th May

20th June

26th September

07th November

■ Pain Therapie Training Course

Vernon Hills, IL:

19th April

26th July

09th February

The 24th PED Seminar Workshop (WET course)

Tokyo Science Center

15th February

Minami Tohoku - Shin Yurigaoka Neuro Spine Winter Seminar

Shin Yurigaoka General Hospital

16th - 18th April

The 49th Annual Meeting of the Japanese Society for Spine Surgery and Related Research

Nagoya International Conference Center

TBD May

Japanese Society for Neuroendoscopy Workshop

Pacifico Yokohana

18th - 20th June

The 35th Annual Meeting of the Neurospinal Society of Japan

The 11th Annual Meeting of Asia Spine

Pacifico Yokohana

19th June

The 11th Wakanoura Seminar for the Study of Minimally Invasive Spine Surgery

Wakayama Medical University

03rd + 04th July

The 10th Annual Meeting of the Society for minimally-invasive and endoscopic techniques of spinal neurosurgery

JR Hakata City Hotel

24th - 26th September

MIS SPINE WEEK 2020

Kobe International Conference Center

04th November

Japanese Society for Neuroendoscopy Workshop (DRY course)

Wakayama

05th + 06th November

The 27th Annual Meeting of the Japanese Society for Neuroendoscopy

Wakayama

TBD November

JOA Endoscopic Spine Surgery Workshop (WET course)

MEDEC (Kobe)



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