4th Thoracolumbar Spine Course
Endoscopic and Minimally Invasive Techniques
Berlin, October 25th to 28th, 2017

CME points are requested
Dear colleagues,

For the 4th time I invite you to take part in our course on minimal invasive and endoscopic techniques in spine surgery. It is this field where most developments take place, where new thrilling techniques promise innovation as well as bushfires promise great news but disappear quickly. That is why a hands-on course in these techniques is perfect not only for the surgeon in training to learn what has proven to be of good use and successful, but also for the experienced surgeon to ponder on implementing new techniques by discussing and testing them for himself. Our team of faculty are experienced surgeons who are eager to share their experience with you and also to learn from your experience.

I am looking forward to another fruitful workshop and symposium for the time we will meet here in Berlin.

PD Dr. Hans Josef Erli
Speakers

PD Dr. med. Dr. phil. Alexander Disch
Department of Orthopaedic and Traumatology, University Carl Gustav Carus, Dresden

PD Dr. med. Hans Josef Erli
Department of Dorsal Medicine and Spine Surgery, Vivantes Humboldt University, Berlin

Dr. med. Thomas Hallbauer
Spine Center, Diakonie Hospital, Kirn

Dr. med. Gregor Auf
Department of Dorsal Medicine and Spine Surgery, Vivantes Humboldt University, Berlin

Dr. med. Carsten Neumann
Department of Traumatology, University Hospital, Regensburg

Prof. Dr. med. Andreas Prescher
Department of Anatomy, University Hospital, Aachen

Prof. Dr. med. Rolf Sobottke
Center of Orthopaedic and Trauma Surgery, Rhein Maas Klinikum GmbH, Würselen

Dr. med. Fridtjof Trommer
Department of Trauma Surgery, Luisenhospital, Aachen

Prof. Dr. med. Christian Woiciechowsky
Department of Dorsal Medicine and Spine Surgery, Vivantes Humboldt University, Berlin
# Program

## Wednesday, October 25\(^{th}\), 2017
Arrival day – Leisure time

## Thursday, October 26\(^{th}\), 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>09.20 a.m. – 09.30 a.m.</td>
<td>Welcome – organizational remarks, <em>Erli, Berlin</em></td>
</tr>
<tr>
<td>09.30 a.m. – 10.00 a.m.</td>
<td>Functional anatomy of thoracolumbar spine, <em>Prescher, Aachen</em></td>
</tr>
<tr>
<td>10.00 a.m. – 10.30 a.m.</td>
<td>Trauma algorithms, anterior and posterior instrumentation, <em>Disch, Dresden</em></td>
</tr>
<tr>
<td>10.30 a.m. – 11.00 a.m.</td>
<td>Spondylodiscitis – treatment options, <em>Auf, Berlin</em></td>
</tr>
<tr>
<td>11.00 a.m. – 11.15 a.m.</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11.15 a.m. – 11.40 a.m.</td>
<td>Concepts of tumor treatment of the spine, <em>Sobottke, Würselen</em></td>
</tr>
<tr>
<td>11.40 a.m. – 12.00 p.m.</td>
<td>Instrumentation of the osteoporotic spine, <em>Hallbauer, Kirn</em></td>
</tr>
<tr>
<td>12.00 p.m. – 12.45 p.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>12.45 p.m. – 01.10 p.m.</td>
<td>Sawbone instrumentation (anterior plate system/vertebral body replacement), <em>Neumann, Regensburg</em></td>
</tr>
<tr>
<td>01.10 p.m. – 04.00 p.m.</td>
<td>Thoracoscopic discectomie, vertebrectomy, cage, plate</td>
</tr>
<tr>
<td>04.00 p.m. – 04.15 p.m.</td>
<td>Coffee break</td>
</tr>
<tr>
<td>04.15 p.m. – 05.00 p.m.</td>
<td>Case discussions and summary</td>
</tr>
<tr>
<td>05.00 p.m.</td>
<td>Transport to the hotel</td>
</tr>
<tr>
<td>07.00 p.m.</td>
<td>Welcome at Novum Hotel Berlin Spiegelturm “Sky Tower restaurant”</td>
</tr>
</tbody>
</table>
### Friday, October 27th, 2017

**Scientific program / lectures | Meeting room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00 a.m. – 09.30 a.m.</td>
<td>Techniques for fusion and vertebral body replacement, Neumann, Regensburg</td>
</tr>
<tr>
<td>09.30 a.m. – 10.00 a.m.</td>
<td>When do we need navigation in spine surgery, Woiciechowsky, Berlin</td>
</tr>
<tr>
<td>10.00 a.m. – 10.30 a.m.</td>
<td>Intelligent pedicle finder - study, Hallbauer, Kirn</td>
</tr>
<tr>
<td>10.30 a.m. – 10.45 a.m.</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10.45 a.m. – 11.15 a.m.</td>
<td>Percutaneous posterior instrumentation, Erl, Berlin</td>
</tr>
<tr>
<td>11.15 a.m. – 11.45 a.m.</td>
<td>Endoscopic disc surgery, Woiciechowsky, Berlin</td>
</tr>
<tr>
<td>11.45 a.m. – 12.30 p.m.</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**Hands-on anatomy 2 | Endo-Lab**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.30 p.m. – 03.30 p.m.</td>
<td>Percutaneous and endoscopic posterior techniques</td>
</tr>
<tr>
<td>03.30 p.m. – 03.45 p.m.</td>
<td>Coffee break</td>
</tr>
<tr>
<td>03.45 p.m. – 04.15 p.m.</td>
<td>Case discussions and summary</td>
</tr>
<tr>
<td>04.15 p.m.</td>
<td>Transport to the hotel</td>
</tr>
<tr>
<td>05.30 p.m.</td>
<td>Meeting at hotel lobby – walk to Brauhaus Spandau</td>
</tr>
<tr>
<td>06.00 p.m.</td>
<td>Get-together at Brauhaus Spandau</td>
</tr>
</tbody>
</table>

### Saturday, October 28th, 2017

**Scientific program / lectures | Meeting room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00 a.m. – 09.20 a.m.</td>
<td>Patient positioning and anterior approaches, Trommer, Aachen</td>
</tr>
<tr>
<td>09.20 a.m. – 09.40 a.m.</td>
<td>Pitfalls, tricks and tips, Erl, Berlin</td>
</tr>
<tr>
<td>09.40 a.m. – 10.00 a.m.</td>
<td>Coffee break</td>
</tr>
</tbody>
</table>

**Hands-on anatomy 3 | Endo-Lab**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00 a.m. – 01.15 p.m.</td>
<td>Mini-open anterior techniques, vertebrectomy, cage, plate</td>
</tr>
<tr>
<td>01.15 p.m. – 01.45 p.m.</td>
<td>Final discussions – certificates</td>
</tr>
<tr>
<td>01.45 p.m.</td>
<td>End of the course – departure</td>
</tr>
</tbody>
</table>
Organization

Course Manager:
PD Dr. Hans Josef Erli, MD
Vivantes Humboldt Klinikum
Am Nordgraben 2
13509 Berlin/Germany

Course Secretary:
Brigitte Derer
ulrich GmbH & Co. KG
Buchbrunnenweg 12
89081 Ulm/Germany

Course Location:
Vivantes Klinikum Spandau
Endoscopic Training Center
Neue Bergstr. 6a (Building # 8) – separate entrance
13585 Berlin/Germany

Official Language: English

CME Credit: Continuing Medical Education (CME) credits are requested

Registration Fee:
4th Thoracolumbar Spine Course: 425,00 €, VAT included
The course fee includes:
- Participation during the complete course program
- Catering during the complete course program incl. welcome and get-together
- Shuttle service
- X-ray vest, available
- Max. 20 participants, each table 5 participants
- In case of cancellation of the course later than September 25th the course fee cannot be refunded.
Bank Account:
Account holder: ulrich GmbH & Co. KG
Bank: Baden-Württembergische Bank AG
Reason for payment 4th Thoracolumbar Spine Course, Berlin
IBAN: DE47600501017439503353
BIC (Swift Code): SOLADEST

Important Information:
ulrich medical® supports Vivantes Humboldt Klinikum Berlin in the 4th Thoracolumbar Spine Course.

The registration will be handled on the first come, first served principle. Kindly note that due to the limited number of participants your participation can only be confirmed after receipt of the registration fee.

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Thank you.
Accommodation

Novum Select Hotel Berlin Spiegelturm
Freiheit 5
13597 Berlin/Spandau
Phone: +49 (0) 30 330 98 - 0
Fax: +49 (0) 30 330 98 - 980
E-mail: k.garnis@select-hotels.de
www.select-hotels.de

Please arrange your booking directly until September 25th, 2017 at the latest. Special room rate has been arranged under booking code: “4th Thoracolumbar Spine Course”. Single room € 119,00, double room € 134,00 per night/breakfast
Shuttle service / transfer

**Thursday, October 26th**
08.30 a.m.  Novum Hotel Spiegelturm – Vivantes Training Center
05.00 p.m.  Vivantes Training Center – Novum Hotel Spiegelturm

**Friday, October 27th**
08.30 a.m.  Novum Hotel Spiegelturm – Vivantes Training Center
04.00 p.m.  Vivantes Training Center – Novum Hotel Spiegelturm

No shuttle to “Brauhaus Spandau” – walking distance to hotel

**Saturday, October 28th**
08.30 a.m.  Novum Hotel Spiegelturm – Vivantes Training Center
13.45 p.m.  Vivantes Training Center – Berlin train station – Airport/Tegel

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**Taxi Berlin**
Phone: +49 (0) 30 26 10 26
4th Thoracolumbar Spine Course Berlin

Title

First Name

Last Name

Department

Clinic

Street

Postcode, City

Phone

E-mail (necessary)

Date

Signature

If not already preregistered please fax to +49 (0) 731-9654-2801 or send to b.derer@ulrichmedical.com

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es-meditec, Eisenberg

Orthovative GmbH, Gmund am Tegernsee

Karl Storz GmbH & Co. KG, Tuttlingen

ulrich GmbH & Co. KG, Ulm

Richard Wolf GmbH, Knittlingen

Ziehm Imaging GmbH, Nuernberg